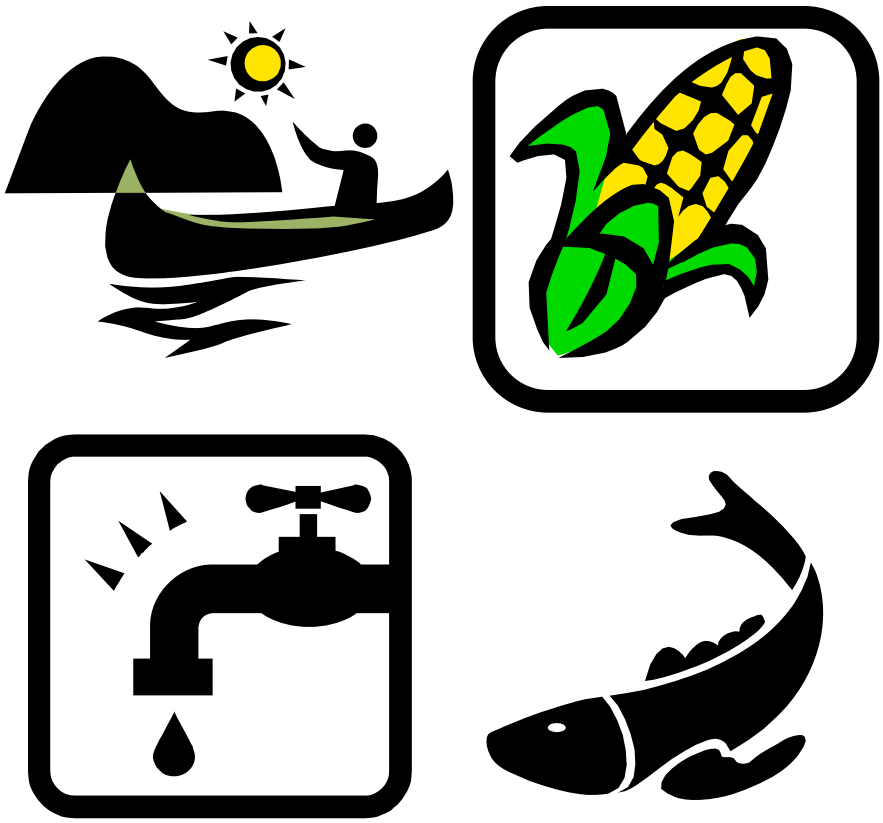
Status of Water Quality in Colorado - 2008

The Update to the 2002, 2004, and 2006 305(b) Reports



Prepared by the
Water Quality Control Division
April 2008

Colorado Department
of Public Health
and Environment

Executive Summary - 2008 305(b) Update

The following document, Status of Water Quality in Colorado - 2008 (The update to the 2002, 2004 and 2006 305(b) Reports), fulfills Clean Water Act Section 305(b)(1) which requires all states to assess and report on the quality of waters within their State. This report fulfills Colorado's obligation under the Clean Water Act, and covers the 2006-2007 two-year period.

This update provides the State's assessments of water quality that were conducted during the past five years. Specifically, it compares the classified uses of all surface waters within the State to the corresponding standards in order to assess the degree to which waters are in attainment of those standards. Additionally, it also reports the extent to which these waters provide protection for the propagation of aquatic life ("fishable") and primary contact recreation ("swimmable") in and on the water. This update also includes a summary of ground water quality assessments that were conducted during the 2006 and 2007 time frame.

Beginning with the 2004 305(b) Report, Colorado has elected to submit updates to the comprehensive 2002 submittal. These updates provide a more concise summary of the water quality assessments that have been conducted over the intervening two years. Colorado plans on submitting another comprehensive report in 2010. A number of the water pollution programs in Colorado report on their progress through other venues. Therefore, this update references other reports in an effort to conserve limited resources, yet still provide the interested reader with the resources to gain a thorough understanding of the status of water quality in Colorado.

Assessment Efforts during 2006 and 2007

Surface water quality assessments over the past two years have focused on basin rulemaking hearings for the San Juan Basin (Regulation No. 34) and the Gunnison Basin (regulation No. 35) which were held in June of 2006, and the Arkansas River Basin (Regulation No. 32) and the Rio Grande Basin (Regulation No. 26) which were held in June of 2007. Other water quality assessments were also conducted during the preparation of the 2008 303(d) List as well as those associated with Colorado Discharge Permit System (CDPS) permits.

Colorado continues to make improvements to the Assessment Database (ADB) through a long term effort to migrate all their water quality standards, and associated information, to a computerized Geographic Information System (GIS). Throughout this refinement process, a number of issues were discovered regarding the segmentation and segment sizes, and therefore the number of river miles and lake acres reported in this document will differ from previously reported values.

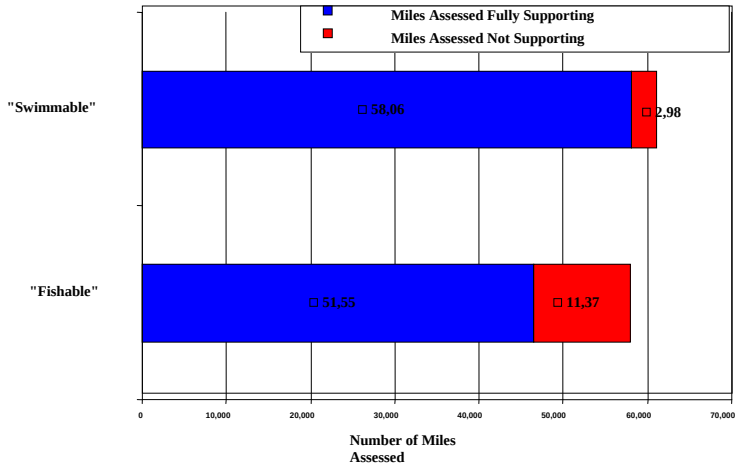
For the current cycle, over 230,000 river miles and over 313,000 lake acres were assessed. For Colorado streams and rivers, over 41,000 miles were supporting all classified uses. Approximately, 19,480 miles were supporting at least one classified use, but

approximately 12,800 miles were found to be impaired and require a Total Maximum Daily Load analysis (TMDL) to be developed.

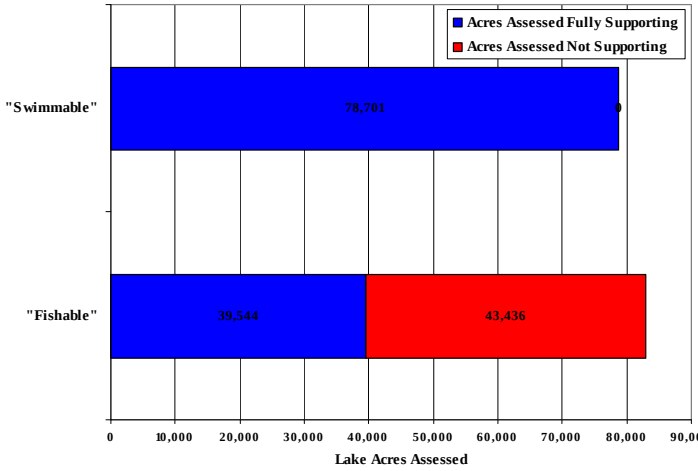
For Colorado lakes, approximately 35,270 acres were found to fully support all classified uses. An additional 15,268 acres were supporting at least one designated use. A total of approximately 43,400 lake acres were found to be impaired and require a TMDL. For both rivers and lakes, approximately 95% of the assessed waterbodies were in attainment of least one of the classified uses.

Surface Water Quality and Use Support

Surface water quality standards have been established to be protective of all uses. Waterbodies may be assigned any of the four following categories of use classifications: aquatic life, recreation, water supply, or agriculture. One goal of the Clean Water Act (CWA) is that all waters of the state are classified and fully supporting "fishable" and "swimmable" use classifications. This attainment is assessed against the recreation standards for swimmable and the aquatic life standards for fishable.



For rivers approximately 61,000 miles met the “swimmable” goal, and over 57,000 miles met the “fishable” goal. Of the river miles assessed, about 11,375 miles did not meet the “fishable” goal, and 2,986 miles did not meet the “swimmable” goal.



For lakes a total of 82,981 acres met the “fishable” goal, with 78,701 acres meeting the “swimmable” goal. Approximately 43,400 lake acres failed to achieve the “fishable” goal, but all lakes assessed during this assessment cycle met the “swimmable” goal. The number of lakes assessed increased from 2006 to 2008 by over 20,000 acres. An increase of impaired acres is due to increased monitoring in the past two years.

Miles/Acres Impaired - 303(d) List

Stream segments that are not fully supporting their designated uses are defined as impaired and placed on the state 303(d) List of Impaired Waters. The 2008 Section 303(d) List identified over 160 impaired waterbodies, with approximately 250 individual pollutants on those segments requiring the development of TMDLs. This was an increase in the number of listed segments on the 2006 list, due to changes in the 303(d) Listing Methodology, changes to table value standards in the Basic Standards, Regulation No. 31, and increased monitoring. The Monitoring and Evaluation List also grew in 2008 with over 130 segments, with approximately 180 individual pollutants.

The 2008 303(d) List is submitted to EPA in April, 2008. Efforts to integrate the 305(b) Report and the 303(d) List are reflected in the Designated Use Support Tables in Appendix B and Appendix C. The suspected causes and sources of the impairment have also been identified. For impaired waters, the leading cause of impairment is metals and more specifically, selenium in rivers and mercury in lakes. A natural source of selenium in Colorado is marine shales, while mercury airborne deposition is a global issue. The major source or contributor of these pollutants in Colorado is still unknown in most cases. Where the source of metals has been identified it is mostly resource extraction.

Water Quality Control Programs

This Report discusses only recent aspects of the State's water quality programs. For a more complete description of these programs, readers are referred to two other documents. First, the Colorado Water Quality Management and Drinking Water Protection Handbook (Handbook) explains the basis and goals of the various Water Quality Control Division (WQCD) programs. The Annual Reports to the Water Quality Control Commission (WQCC) for both 2006 and 2007 discuss the Division's activities over the last two years. These reports can be accessed through the Division's Website at: http://www.cdphe.state.co.us/wq/wqhom.asp. The direct links to these documents as well as other useful water quality documents for the State of Colorado are found in Section A of this Report.

Programs that are briefly discussed in this Update include the Nonpoint Source (NPS) Program, Colorado's Wastewater and Drinking Water Financial Assistance Program (FAP) and the Total Maximum Daily Load (TMDL) Program.

The goal of Colorado's Nonpoint Source Program is to restore water bodies impaired by nonpoint sources of pollution and to prevent future impairments. One means of accomplishing this goal is through the implementation of projects funded under the Clean Water Act Section 319 Grant Program. Federal guidelines direct grant money to Clean Water Act 303(d) listed segments that are significantly impacted by nonpoint sources and to specific action items identified in the "Colorado Nonpoint Source Management Program" document.

Another funding mechanism, managed by the Division's Financial Assistance Program (FAP) Program, is the State Revolving Funds. In 2006-2007 the Water Quality Control Division assisted with the planning and financing of 29 water quality improvement projects throughout the state. Funding was provided from the Small Community Domestic Wastewater Grant Fund and the Colorado Water Pollution Control Revolving Loan Fund. The total amount of funding in the form of grants and low interest loans was $95,983,961.

The TMDL Program identifies water quality limited segments for listing on the State's 303(d) List, prioritizes these waterbodies, and develops pollutant load allocations for the various contributing sources. The WQCD submitted 11 TMDLs during this biennium. Forty-four additional TMDLs are currently scheduled to be completed by June 30 of 2008.

The Clean Lakes Program assesses the water quality of Colorado's lakes. During the past two years approximately 30 lakes were sampled by the WQCD. Additionally, approximately 30 additional lakes were sampled as a part of EPA Survey of the Nation's Lakes. Fish tissue was sampled from over 60 lakes since 2002, resulting in eighteen fish consumption advisories being issued for elevated mercury levels in fish tissue.

In 2007, the Water Quality Control Commission (WQCC) conducted a hearing to address Colorado's Basic Standards for Ground Water (Regulation 41) and revised the numeric ground water standards for toluene, ethylene dibromide (1,2-dibromoethane), and fecal coliform. The WQCC also adopted new standards for four pesticides: acetochlor, dicamba, metribuzin, and prometon.

The Agricultural Chemicals and Groundwater Protection Program (Program), a cooperative program between the Colorado agencies, has been systematically monitoring for the presence of agricultural related chemicals in vulnerable aquifers throughout Colorado. The Program has actively monitored all the major aquifers in agricultural areas within the State.

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A. Introduction

Section 305(b)(1) of the Clean Water Act (CWA) requires that each state submit a biennial report to the United States Congress through the United States Environmental Protection Agency (EPA). The 305(b) Report is required to include the following:

- an assessment of water quality of the State
- an analysis of the extent to which the waters of the State provide protection for the propagation of aquatic life and recreation in and on the water
- a report of the water pollution control programs
- a description of the nonpoint source pollution control programs, ground water and drinking water programs

This 305(b) report is intended to comprehensively summarize the quality of State waters during 2006 and 2007. This characterization of water quality is the result of the ongoing assessment of all readily available data collected from governmental, municipal, and private entities working throughout Colorado. These assessments are instrumental in the indentification of pollution sources that are producing an impairment of State waters. Ultimatily, identification of the causes of impairments is utilized in the formulation of Total Maximum Daily Load (TMDLs) assessments that appropriate response strategies.

Beginning in 2004, the State of Colorado has elected to fulfill this reporting requirement by submitting comprehensive updates to earlier 305(b) reports. Additionally, other reports, regulations, and policies pertaining to Colorado water quality issues are utilized as reference material to these 305(b) updates. Consequently, the updates rely heavily on a vast array of background material that addresses the in-depth details of the current status of water quality in Colorado. These materials, along with available web links, are summarized in Table 1.

Table 1: Documents and Websites Pertaining to Water Quality in Colorado

Document Name	Website Address	Major Topics
Status of Water Quality in Colorado - 2006: The 2006 Update to the 2002 Section 305(b) Report	http://www.cdphe.state.co.us/op/wqcc/waterstatus_305_b/2006_305_b_Report.pdf	- Assessed Segments - Designated Use Support of Assessed Miles
Status of Water Quality in Colorado - 2002	http://www.cdphe.state.co.us/op/wqcc/waterstatus_305_b/waterstatus2002/305(b)tableofcontents.html	- Background Info of Water Quality Programs - Watershed Overviews - WQCD Monitoring Program - WQCD Assessment Methodology - Surface Water Quality Assessments - WQCD Groundwater Program - WQCD Public Water Supply

Table 1: Documents and Websites Pertaining to Water Quality in Colorado		
Document Name	**Website Address**	**Major Topics**
2008 Section 303(d) Listing Methodology	http://www.cdphe.state.co.us/op/wqcc/SpecialTopics/303(d)/303dLM2008.pdf	- 303(d) Listing Methodology
2006 Section 303(d) List Water-Quality-Limited Segments Requiring TMDLs	http://www.cdphe.state.co.us/regulations/wqccregs/100293wqlimitedsegtmdls.pdf	- 2006 303(d) list
2006 303(d) and Monitoring and Evaluation lists	http://www.cdphe.state.co.us/regulations/wqccregs/100294wqccmonitoringevaluationlist.pdf	- 2006 M&E list
Annual Report to the Water Quality Control Commission Fiscal Year 2006-07, Oct. 1, 2007	http://www.cdphe.state.co.us/op/wqcc/WQCD_reports/WQCDar07.pdf	- Colorado WQCD's activities and accomplishments in the various major areas of water quality management.
Annual Reports of the Agricultural Chemicals and Ground Water Protection Program	http://www.colorado.gov/cs/Satellite?c=Page&childpagename=Agriculture-Main%2FCDAGLayout&cid=1176829180745&p=1176829180745&pagename=CDAGWrapper	- Annual Reports describing results of Ground Water Monitoring and Program Activities
Colorado Water Quality Management and Drinking Water Protection Handbook, A Continuing Planning Process (Handbook), Commission Policy #98-2, Updated: October 15, 2002.	http://www.cdphe.state.co.us/op/wqcc/GeneralInfo/StatutesRegsPolicies/Policies/98-2-2006.pdf	- Concise, readable summary of the water quality management and drinking water protection system in Colorado, and the roles of the major participants in that system.
Colorado's Monitoring and Assessment Strategy, 2004-2014 (10 Elements)	Not Available online at this time. Please contact the Division.	- Discussion of the Division's current Monitoring and Assessment Program as well as its plans through 2014.
Link to Colorado Water Quality Resource Documents	http://www.cdphe.state.co.us/op/wqcc/wqresdoc.html	- Various Colorado Water Quality Reports including many of the reports listed above.
Link to the Colorado Water Quality Control Commission Website	http://www.cdphe.state.co.us/op/wqcc/index.html	- Colorado Water Quality Regulations
Link to the Colorado Water Quality Control Division Website	http://www.cdphe.state.co.us/wq/index.html	- Colorado Water Quality Programs

During 2005, Colorado began a process of systematically converting all of the State's stream segments to a GIS-based database system. This effort involved digitally mapping

over 680 surface water body segments within the State and then comparing those maps to their corresponding segment descriptions. During this process errors and inconsistencies were discovered where segment lengths either had gaps or overlapped. These problems were found in every basin of the State, and in December of 2005 a rulemaking hearing was conducted to rectify these errors and omissions. As a result of this process the total stream lengths for every basin within the State have changed from previously reported values. Additionally, the correct river mile results of this GIS effort have not yet been updated in the Assessment Database (ADB). In 2006, Colorado began working on and completed updating the ADB with the current, corrected stream segment lengths.

B1. Colorado Atlas

This section provides a statewide overview of Colorado's surface water and a summary of the status of water quality. Assessment information about individual basins is provided in Section C. The individual segment assessments are listed in Appendix B: Designated Use Support Summary.

Within Colorado's borders can be found over 95,000 river miles and more than 250,000 lake acres. The majority of Colorado's rivers originate in the pristine high alpine environment of the Rocky Mountains and flow downstream through the high desert or high plains regions before leaving the state. There are seven major river basins in Colorado: the Arkansas, Rio Grande, San Juan, Colorado, Green, Platte and Republican. The largest of these basins on a national level is the Colorado River Basin, which has its headwaters in Rocky Mountain National Park, flows from Colorado through Utah and the Grand Canyon in Arizona, and ultimately completes its journey at the Gulf of California. The following table summarizes statistics on Colorado's waters.

Table 2: Colorado Atlas

State Population[1]: 4,861,515
State Surface Area: 104,042 Square Miles
Number of Major River Basins: 7

River Basin	Surface Area (sq. mi.)	Stream Length (mi.)
Arkansas	28,258	22,095
Rio Grande	9,859	10,072
San Juan	7,540	5,773
Colorado	18,160	19,340
Green	10,499	13,448
Platte	20,897	18,959
Republican	8,829	5,846

Total Number of River Miles[2]: 95,533
Estimated Acreage of Lakes/Reservoirs/Ponds[2]: 252,261
Acreage of Freshwater Wetlands: unknown

Notes:
1 U.S. Bureau of the Census, 2007 Population Estimates Program (PEP)
2 Estimated from NHD, 1:100,000 GIS coverage

Summary of Classified Uses

The State of Colorado has adopted four different categories of classified waterbody uses: aquatic life, water supply, recreation and agriculture. Table 3, Summary of Classified Uses, breaks down the number of stream miles and lake acres in the state that have been assigned each of these classified uses. Many segments support multiple uses.

Summary of Degree of Use Support

Colorado's water quality is assessed periodically in conjunction with the triennial review of water quality standards, the development of discharge permits, 303(d) Lists, and Total Maximum Daily Loads (TMDLs), and the completion of special studies. The following table summarizes the number of assessed stream miles and lake acres that do or do not fully support "all" their assigned classified uses.

Table 3: Summary of Classified Uses
(estimates of river miles and lake acres)

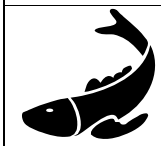
	Classified Use	River Miles	Lake Acres
	Aquatic Life Cold 1	***42,351***	***61,719***
	Aquatic Life Warm 1	***1,717***	***45,634***
	Aquatic Life Cold 2	***8,649***	***1,065***
	Aquatic Life Warm 2	***53,251***	***6,033***
	Recreation Primary Contact (Recreation Class E and P)	***65,090***	***112,001***
	Recreation Secondary Contact (Recreation Class U and N)	***42,838***	***2,449***
	Water Supply	***48,391***	***79,689***
	Agriculture	***107,894***	***114,451***

Table 4: Surface Water Quality Summary for Degree of Use Support[1]

Degree of Support	***Percentage of Assessed River Miles***	***Percentage of Assessed Lake Acres***
Supporting at Least One Use	***91.86%***	***86.16%***
Not Supporting at Least One Use	***8.14%***	***13.84%***
Total Miles or Acres Assessed[2]	***230,127***	***313,852***

Note: 1) Total assessed miles and acres include assessments conducted in the last five years.
2) Total miles or acres assessed includes multiple classified uses for the same segment, and therefore does not reflect the physical miles or acres present in Colorado.

Summary of Waterbodies Meeting EPA Fishable/Swimmable Criteria

The CWA at Section 101(a)(2) requires that all waters be suitable for the protection and propagation of fish, shellfish and wildlife and for recreation in and on the water unless it is demonstrated that the use is not attainable. This provision of the CWA is often referred to as EPA's "fishable/swimmable" goal. The following table summarizes the number of assessed stream miles and lake acres that have been assessed which do or do not support their aquatic life and recreation classified uses.

Table 5: Summary of Assessed Water Bodies in Attainment of the Fishable/Swimmable Criteria

	Fishable	***Swimmable***
River Miles		
Miles Assessed	***57,961***	***61,052***
Miles Assessed and Fully Supporting	***46,526***	***58,066***
Miles Assessed and Not Fully Supporting	***11,375***	***2,986***
Lake Acres		
Acres assessed	***82,981***	***78,701***
Acres assessed and fully supporting	***39,544***	***78,701***
Acres assessed and not fully supporting	***43,436***	***0***
Note: Total assessed miles and acres include assessments conducted in the last five years.		

B2. Water Pollution Control Programs

This Section provides an overview of the Water Quality Control Division's (WQCD's or the Division's) water quality assessment and pollution control programs, and directs the reader to other documents where more information can be found.

The Water Qualtiy Control Division

The WQCD is the agency responsible for maintaining, restoring and improving the quality of Colorado's waters, and for ensuring that safe drinking water is provided to the public from public water systems. The WQCD is organized into three programs: The Clean Water Facilities Program, the Drinking Water Program and the Watershed Program. The Watershed Program consists of four units: Environmental Data Unit, Standards Unit, Restoration and Protection Unit; and Outreach and Project Assistance Unit. The Clean Water Facilities Program consists of the Permits Section which includes a Industrial Permits Unit and a Domestic Permits Unit. The Drinking Water Program consists of a Compliance Assurance and Data Management Section and an Engineering Section. In addition, the Business Services Unit and the Fiscal Services Unit operate under the WQCD Director's Office.

Water Quality Monitoring, Assessment and Reporting

A discussion of the Division's water quality monitoring assessment and reporting can be found in Chapter IV of *Colorado Water Quality Management and Drinking Water*

Protection Handbook (*Handbook*). Division activities in the last two years are summarized in the Annual Reports to the Water Quality Control Commission (WQCC or Commision).

Monitoring Initiatives 2006/2007

Water Chemistry Monitoring – Rivers and Lakes: The Division conducts monitoring at a limited number of reservoirs and lakes around the state to determine their trophic status, develop TMDLs, and support changes to standards and classifications during triennial reviews. Resources for lake monitoring are limited, as funds for such monitoring originate from the overall surface water-monitoring program. The Division assesses the water quality of lakes and reservoirs by reviewing available data and comparing this data to the standards adopted for each waterbody. In addition, the trophic status of lakes and reservoirs is determined using the Carlson Trophic State Index. These water quality assessments are found in the basin rationale for standards review. A more detailed description of the lake and reservoir monitoring activities in 2006-2007 is found in section C3.9 of this report.

Increased monitoring of lakes and streams in Colorado was conducted in 2007. This was made possible through EPA funding and through the use of partnerships with other organizations that have been developed recently. Maximizing resources by increasing partnerships in monitoring is part of the Colorado Monitoring and Assessment Strategy. Additional lakes data is also expected from EPA's Survey of the Nation's Lakes that was conducted in 2007.

Monitoring and risk assessments for fish tissue: The Disease Control and Environmental Epidemiology Division of the CDPHE prepared a risk assessment for the exposure of humans to selenium through consumption of fish. This report was available to the WQCD in the fall of 2007. The next step will be to develop a Fish Consumption Advisory (FCA) policy for selenium in Colorado. Data has been collected over the last few years for selenium levels in fish tissue and that information can be evaluated against the FCA policy once it is completed. This risk assessment is in addition to the assessments done in the past five years for mercury in fish tissue. Over 15 fish consumption advisories have been posted for mercury in the past few years. State issuance of a FCA triggers a listing on the Colorado 303(d) List for that waterbody.

TMDL Development: Synoptic Monitoring is conducted to support TMDL development. The WQCD contracted with the USGS to conduct additional sampling and to do analyses for development of the TMDL for Sweitzer Lake and on selenium TMDL work in the Gunnison Basin.

Ambient groundwater monitoring: Ambient groundwater monitoring, in cooperation with the Colorado Department of Agriculture, was conducted utilizing EPA Monitoring Initiative Grant Funds. Increased groundwater monitoring is an identified goal in the Monitoring and Assessment Strategy.

Water Quality Standards

Water quality standards are dependent on the classified uses and are the regulatory basis for limits placed on discharges to waterbodies. A discussion of the water quality standards program can be found in Chapter IV of the Handbook. The surface water standards review schedule is presented in Table 6 below.

Table 6: Surface Water Standards Review Schedule

River Basins (and Regulation Number)	Issues Scoping Informational Hearing	Issues Formulation Informational Hearing	Rulemaking Hearing
Colorado Basin (#33 & #37)	October 2006	November 2007	June 2008
South Platte (#38)	October 2007	November 2008	June 2009
Basic Standards (#31)	October 2008	November 2009	June 2010
San Juan, Dolores & Gunnison (#34& #35)	October 2009	November 2010	June 2011
Arkansas & Rio Grande (#32 & #36)	October 2010	November 2011	June 2012

Regularly Scheduled Reviews: The Commission reviewed the water quality classifications and standards for the San Juan and Dolores River Basins (Regulation No. 34) and the Gunnison and Lower Dolores River Basins (Regulation No. 35) in June 2006. The Commission reviewed the Arkansas River Basin (Regulation No. 32) and the Rio Grande Basin (Regulation No. 36) in June 2007 and reviewed the statewide organic standards (Regulation Nos.31 and 41) and the Basic Standards for Groundwater (Regulation No. 41) in December 2007. Some of the major revisions are summarized below.

- San Juan and Dolores River Basins (Regulation No. 34): The Commission implemented the new table value ammonia criteria in these basins; however, six segments received new temporary modifications of the ammonia standard. The Commission updated temporary modifications for other standards on nine segments and removed temporary modification from 2 segments. The antidegradation designation was changed from "Use Protected" to "Reviewable" for 12 segments and two segments were designated "Outstanding Waters." (Changes were effective 12/31/06).
- Gunnison and Lower Dolores Basins (Regulation No. 35): The Commission implemented the new table value ammonia criteria in these basins; however, six segments received new temporary modifications of the ammonia standard. Seventeen other segments had new or extended temporary modifications and six segments had their temporary modification removed. Uranium standards were added to nine segments. Aquatic life numeric standards were added to one segment. The antidegradation designation was changed from "Use Protected" to "Reviewable" for

13 segments. The aquatic life use was removed from one segment. (Changes were effective 12/31/06).

- Arkansas River Basin (Regulation No. 32): Twenty-eight segments had new or extended temporary modifications and 17 segments had their temporary modification removed. Ambient-based standards were adopted for two segments. Recalculation-based standards were adopted for two segments. Attainability-based standards were adopted for four segments. The antidegradation designation was changed from "Use Protected" to "Reviewable" for nine segments and two segments were designated "Outstanding Waters." (Changes were effective 12/31/07)
- Rio Grande Basin (Regulation No. 36): Seventeen other segments had new or extended temporary modifications and six segments had their temporary modification removed. Uranium standards were added to nine segments. Aquatic life numeric standards were added to one segment. The antidegradation designation was changed from "Use Protected" to "Reviewable" for 13 segments. (Changes were effective 12/31/07)
- Statewide Organic Standards (Regulation Nos 31 and 41) and the Basic Standards for Groundwater (Regulation No 41) Organic chemical standards were updates to reflect published risk information that changed since the last review. New aquatic-life based criteria (for Regulation No 31) were adopted for diazinon and nonylphenol. The nonylphenol criteria will be effective July 1, 2010). A new human health-based criteria for molybdenum was adopted for ground water. (Changes are effective July 1, 2008)

Annual Review of Temporary Modifications: In December 2006, a new provision of the Basic Standards became effective, requiring the annual consideration of temporary modifications throughout the state that are due to expire in the next two years.

- In December 2006, the Commission reviewed the status of temporary modification on 46 segments. Twenty-seven of them were in the Arkansas and Rio Grande Basins. The Commission deferred the review of these until the regularly scheduled basin review (June 2007). Of the other 19, the Commission retained temporary modifications on 7 and deleted them for 12 segments.
- In December 2007, the Commission reviewed the status of temporary modifications on 46 segments. Twenty-three were deleted, 23 were retained. In addition, the Commission adopted an ambient-based standard to replace a temporary modification of the selenium standard on Big Dry Creek segment 1 in the South Platte Basin

Temperature Criteria: In January 2007, the Commission considered revised temperature provisions in the Basic Standards for Surface Water (Regulation No. 31) and implementation provisions in the basin regulations. The Commission adopted table values for two tiers of cold-water fish communities and four tiers of warm-water communities. The Commission also adopted interim temperature criteria for each basin (effective 7/1/2007) that will be in effect until each basin undergoes its regularly scheduled review.

Ammonia Standards, Statewide: In April 2007, the Commission adopted the new table value ammonia criteria as segment-specific standards in the five basins (Arkansas, Rio

Grande, So Platte, Upper Colorado and Lower Colorado). Ammonia standards for the San Juan and Dolores Basins and the Gunnison and Lower Dolores basins were addressed in the regularly scheduled review. In addition to adopting the criteria as segment specific standards, the Commission adopted temporary modifications to the new ammonia standards for warm water segments where there are permitted domestic dischargers. This was intended to provide flexibility for dischargers that are faced with the possibility of new, more stringent effluent limits. Temporary modifications were generally set to expire on 12/31/11.

Point Source Control Programs

The Permits Section of the Water Quality Control Division protects public health and the environment through issuance of discharge permits and other control mechanisms, as provided by the Colorado Water Quality Control Act. The permits program is multi-faceted and covers industrial, domestic and animal feeding operation wastewater discharges to surface waters and ground water, as well as stormwater discharges. The industrial pretreatment program[1], biosolids program[1] and reuse programs are also operated within the Permits Section. Permits are designed to limit the amount of pollutants entering streams, lakes and groundwater so as to protect the beneficial uses of the receiving water. Control mechanisms for discharges to privately owned treatment works and land application of biosolids are written to protect public health and the environment. A discussion of the point source control program can be found in Chapter VI of the Handbook. The Division's permitting activities, including the backlog reduction efforts of the last two years, are summarized in the Annual Reports to the WQCC.

Nonpoint Source Program

The goal of the Nonpoint Source Program is to restore water bodies impaired by nonpoint sources of pollution and to prevent future impairments. One means of accomplishing this goal is through the implementation of projects funded under the Clean Water Act Section 319 Grant Program. Federal guidelines direct grant money to Clean Water Act 303(d) listed segments that are significantly impacted by nonpoint sources and to specific action items identified in the "Colorado Nonpoint Source Management Program" document.

The management program was updated in 2005. The updated management program was approved by the Commission in August 2005, and a copy can be found at http://www.cdphe.state.co.us/wq/nps/2005MgtProg.html. Annual activities in the Nonpoint Source Program are described in the Division's Annual Reports. Table 7 lists the projects funded by Section 319 in 2006 and 2007.

Table 7: Nonpoint Source Projects Funded by Section 319 in 2006 and 2007

1 EPA can delegate the authority to administer these programs to a state. Colorado has not sought delegation for these two programs.

Title	Sponsor	Year	NPS Grant Funding	General Project Type	Project Category
Outreach Mini-Grants	Several Sponsors	2006	$25,000	Information/Education	Cross-cutting categories
Animas Watershed Plan	San Juan Resource Conservation and Development	2006	$25,000	Watershed Planning	Cross-cutting categories
Roaring Fork River Watershed Plan	Roaring Fork Conservancy	2006	$25,000	Watershed Planning	Cross-cutting categories
Purgatoire and Apishapa Rivers Watershed Plan	Culebra Range Community Coalition	2006	$25,000	Watershed Planning	Cross-cutting categories
Lower Arkansas River Watershed Plan	Southeast RC&D	2006	$25,000	Watershed Planning	Cross-cutting categories
Lower Gunnison Basin Watershed Plan Update	Colorado River Water Conservation District	2006	$17,345	Watershed Planning	Cross-cutting categories
Lower South Platte Watershed Planning Project	Colorado Department of Agriculture	2006	$250,000	Watershed Planning	Cross-cutting categories
NPS Newsletter Continuation	League of Women Voters	2006	$29,500	Education / Outreach	Cross-cutting categories
NPS Outreach Coordinator	Colorado State University	2006	$199,905	Education / Outreach	Cross-cutting categories
DRMS Technical Assistance	Division of Reclamation, Mining and Safety	2006	$150,000	Technical Support	Mining
Colorado Animal Feeding Operations Program	Colorado Livestock Association	2006	$105,100	Demonstration/Implementation	Agriculture
Lefthand OHV Area Restoration Phase I	James Creek Watershed Initiative	2006	$156,000	Restoration	Cross-cutting categories
BMP Implementation Program	Colorado Cattlemen's Association	2006	$150,000	Demonstration/Implementation	Agriculture
Minnequa Lake Stormwater Water Quality	City of Pueblo	2006	$143,000	Stormwater	Urban
Gilson Gulch Orphan Mine / Orphanage Remediation	Clear Creek Watershed Foundation	2006	$255,000	Restoration	Mining
Castleton Mine Dump	Division of Reclamation,	2006	$84,000	Restoration	Mining

Table 7: Nonpoint Source Projects Funded by Section 319 in 2006 and 2007

Title	Sponsor	Year	NPS Grant Funding	General Project Type	Project
Remediation	Mining and Safety				
Upper Animas Mine Drainage Control	San Juan Resource Conservation and Development	2006	$187,440	Restoration	Mining
Upper Animas Mine Waste Control	San Juan Resource Conservation and Development	2006	$142,650	Restoration	Mining
Palmetto Gulch TMDL Development	Hinsdale County	2006	$39,776	TMDL Related	Mining
Uncompahgre Canal	Uncompahgre Water Users Association	2006	$800,000	BMP Implementation	Agriculture
I-70 High Priority BMPs above Straight Creek	Colorado Department of Transportation	2006	$277,590	BMP Implementation	Cross-cutting categories
Lake Fork Watershed Plan Development	Colorado Mountain College Natural Resources Management Program	2007	$25,000	Watershed Planning	Cross-cutting categories
Snake River Watershed Plan Development	Blue River Watershed Group	2007	$25,000	Watershed Planning	Cross-cutting categories
Mancos Valley Watershed Project	Mancos Conservation District	2007	$25,000	Watershed Planning	Cross-cutting categories
Dolores River Watershed Plan	Dolores Water Conservancy District	2007	$25,000	Watershed Planning	Cross-cutting categories
Coal Creek Watershed Plan Implementation	Town of Crested Butte	2007	$68,932	BMP Implementation	Cross-cutting categories
Trail Creek Orphanage Remediation	Clear Creek Watershed Foundation	2007	$290,400	BMP Implementation	Mining
Porphyry Mountain Mine Waste Restoration	Lefthand Watershed Oversight Group	2007	$57,750	Restoration	Mining
Massey Draw Post-Construction	Chatfield Watershed	2007	$15,750	Assessment	Urban

Table 7: Nonpoint Source Projects Funded by Section 319 in 2006 and 2007

Title	Sponsor	Year	NPS Grant Funding	General Project Type	Project
BMP Effectiveness	Authority				
South Platte Habitat Restoration at Happy Meadows	Coalition for Upper South Platte	2007	$250,000	Restoration	Cross-cutting categories
E.coli BMPs for AFOs in the South Platte River Basin	Colorado State University	2007	$141,034	BMP Implementation	Agriculture
AWARE Colorado Continuation	League of Women Voters of Colorado	2007	$182,250	Information/Education	Cross-cutting categories
Understanding Polluted Runoff - School Program	Colorado Foundation for Agriculture	2007	$83,500	Information/Education	Cross-cutting categories
Alamosa River Restoration	San Luis Valley Resource Conservation and Development	2007	$396,000	Restoration	Cross-cutting categories
Dinero Tunnel Bulkhead	Division of Reclamation, Mining and Safety	2007	$141,034	BMP Implementation	Mining

Water Pollution Control Revolving Fund Financial Assistance

In 2006-2007 the Outreach and Project Assistance Unit - Water Quality Control Division assisted with the planning and financing of 29 water quality projects throughout the state (Table 8). Funding was provided from the Small Community Domestic Wastewater Grant Fund and the Colorado Water Pollution Control Revolving Loan Fund. These projects have improved water quality and restored and protected beneficial uses in the referenced segments (see figure 1) by reducing pollutant loadings through wastewater treatment facility upgrades, aging infrastructure replacement and consolidation with larger wastewater treatment systems. The total amount of funding in the form of grants and low interest loans was $95,983,961.

Table 8: Colorado Water Pollution Control Revolving Loan Fund and the Small Community Domestic Wastewater Grant Fund

Project	Grant Amount	Loan Amount	Project Description
Ault, Town of		$1,396,850	Upgrade and expansion of the existing wastewater treatment facility

Table 8: Colorado Water Pollution Control Revolving Loan Fund and the Small Community Domestic Wastewater Grant Fund			
Project	**Grant Amount**	**Loan Amount**	**Project Description**
Bayfield Sanitation District		$4,780,000	Construction of a new mechanical wastewater treatment facility.
Bennett, Town of		$161,000	Upgrades to the existing wastewater treatment lagoons. The project will include lining an existing pond and adding additional aerated capacity and biological treatment to bring the facility into compliance under its current discharge permits.
Boulder County - Eldorado Springs Limited Improvement District	$150,000.00	$1,651,808	New community wastewater system that will replace numerous onsite septic disposal systems that are in varying degrees of non compliance.
Cherokee Metro District		$15,249,690	Construction of a new mechanical wastewater treatment facility, two lift stations, an interceptor running approximately five miles to the proposed treatment facility and a groundwater recharge facility.
Clifton Sanitation District #2		$9,800,000	Construction of a mechanical wastewater treatment plant, consolidation with Clifton Sanitation District #1.
Clifton Sanitation District #1		$2,000,000	Rehabilitation of collection lines and consolidation with Clifton Sanitation District #2. Upon completion the District will decommission its existing lagoons.
Cortez Sanitation District		$2,000,000	Replacement of a portion of the District's clay tile collection lines and construction of a 1.6 mgd activated sludge wastewater treatment plant.
Cucharas Sanitation & Water District	$200,000.00	$768,000	Construction of collection lines and elimination of onsite septic disposal systems that are in varying degrees of non compliance.

Project	Grant Amount	Loan Amount	Project Description
Donala Water and Sanitation District		$6,906,910	Upgrade and expansion of the existing wastewater treatment facility.
Eagle Town of		$11,505,912	Upgrade and expansion of the existing wastewater treatment facility.
Elizabeth, Town of		$1,050,000	Construction of a lift stration and transmission lines.
Fairplay Sanitation District	$150,000.00		Upgrade and expansion of the existing wastewater treatment facility.
Granby Sanitation District		$4,810,728	Upgrade and expansion of the existing wastewater treatment facility
Haxtun, Town of	$50,000.00	$305,041	Upgrade and expansion of the existing wastewater treatment facility
Idalia School District	$180,000.00		Upgrade and expansion of the existing wastewater treatment facility
Kersey, Town of		$1,800,000	Replacement of the Town's existing wastewater treatment plant with a new mechanical treatment plant
La Jara, Town of		$750,000	Upgrades to the Town's original sewer collection system.
Mead, Town of		$2,985,000	Construction of a sequencing batch reactor wastewater treatment facility and interceptor sewer line.
Ordway, Town of	$127,000.00	$599,000	Replacement of failing sections of the sewer collection lines.
Pierce, Town of	$225,000.00	$895,000	Upgrade and expansion of the existing wastewater treatment facility
Ralston Valley Water and Sanitation District		$1,200,000	Replacement of failing sections of the sewer collection lines.
Red Cliff, Town of	$ 45,000.00		Upgrade and expansion of the existing wastewater treatment facility, Meter installation
Rifle, Town of		$17,852,112	Upgrade and expansion of the existing wastewater treatment facility
Romeo, Town of		$175,000	Upgrade and expansion of the existing wastewater treatment facility
Springfield, Town of	$ 26,000.00	$534,000	Upgrade and expansion of the existing wastewater treatment facility
Stratton, Town of		$442,000	Upgrade and expansion of the existing wastewater treatment facility

Sugar City, Town of		$306,000	Upgrade and expansion of the existing wastewater treatment facility and replace sections of failing sewer lines
Triview Metro District		$4,906,910	Upgrade and expansion of the existing wastewater treatment facility

Based on the annual survey of local governments across the state, the identified wastewater, stormwater and nonpoint source needs over the next 3-5 years total approximately $1.6 billion (2008 WPCRF Intended Use Plan.). Wastewater discharge permit requirements, aging infrastructure, and population growth are all factors in creating wastewater infrastructure needs. Through 2007 the Water Pollution Control Revolving Loan Fund has been able to fund all projects ready to proceed. However, with the continued reduction in federal funding for the Water Pollution Control Revolving Loan Fund limited loan capacity is anticipated beginning in 2008.

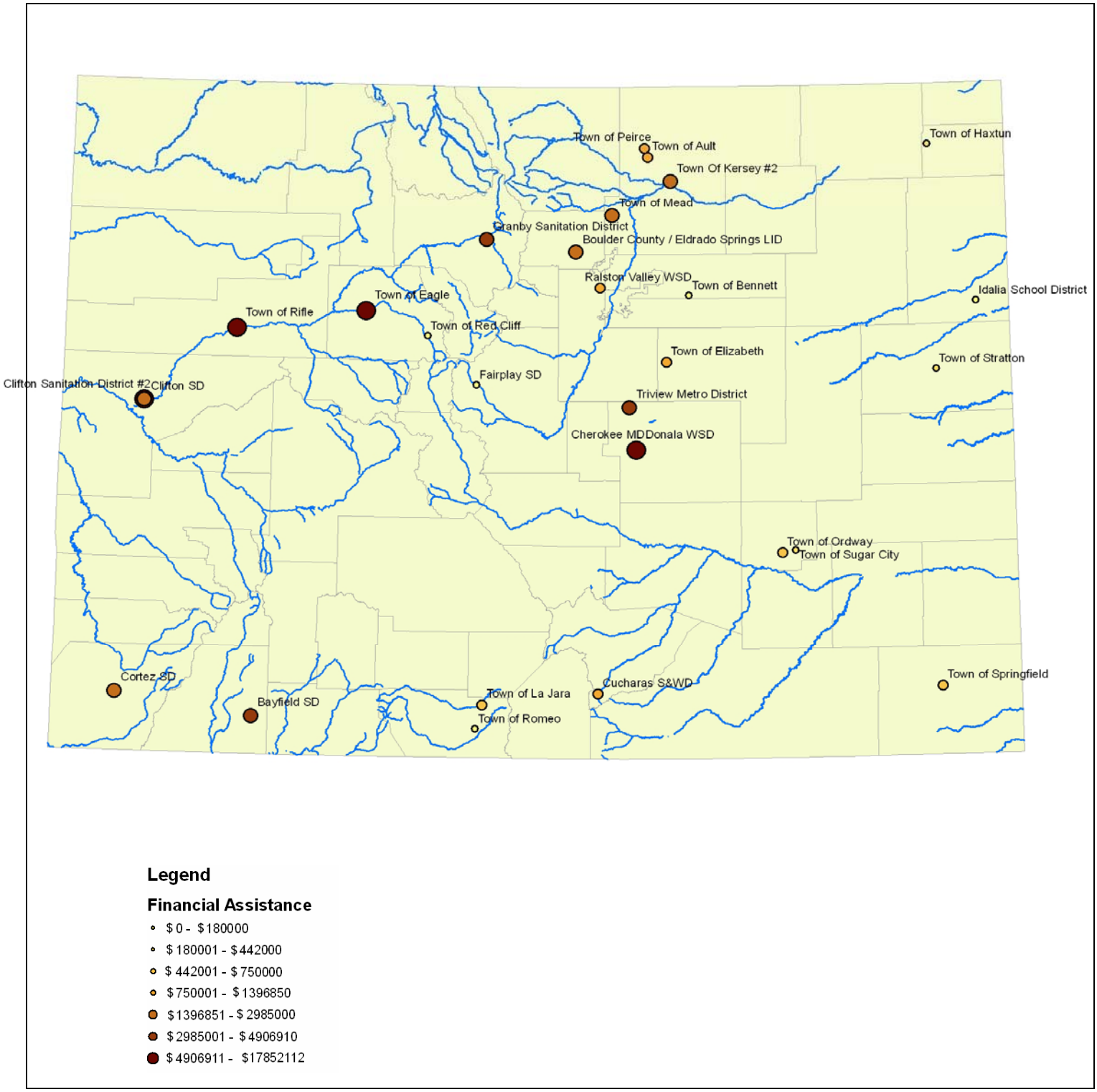


Figure 1: WPCRF Funded Projects for 2006-2007

Total Maximum Daily Load Program

The maximum pollutant load that a waterbody can assimilate and still attain standards is called the "Total Maximum Daily Load". The TMDL program is responsible for the development of the pollutant load allocations to address impaired waterbodies. The Colorado Water Quality Management and Drinking Water Protection Handbook describes the Division's program in Chapter V. Annual activities are described in the Division's Annual Reports. Colorado's 2006 Listing Methodology, Section 303(d) List (List of Impaired Waters Still Requiring TMDLs) and Monitoring and Evaluation List are included as Appendix D.

The State of Colorado, the Colorado Environmental Coalition and Biodiversity Legal Foundation, EPA, and other parties entered into a Settlement Agreement on August 24, 1999 concerning the pace of TMDL development. That settlement includes a schedule for the development of TMDLs for segments and pollutants included on the 1998 303(d) List. See Table 9.

Table 9. TMDL Completion Schedule for 1998 303(d) List

Biennium	*End Date*	*Number of TMDLs*	
		Commitment	*Completed*
1st	6/30/00	30	33
2nd	6/30/02	50	67
3rd	6/30/04	40	43
4th	6/30/06	40	11
5th	6/30/08	38	

There were 11 TMDLs completed during the third biennium (see Table 10, page II-29 of the 2002 305(b) Report and Table 10, page 11 of the 2004 305(b) Report and Table 10, page 18 of the 2006 305(b) Report for TMDLs completed during the first three bienniums).

Table 10. TMDL Actions Completed during 4th biennium (7/1/2004 – 6/30/2006)		
WBID	**Segment**	**Parameters**
CORGAL03a	Alamosa River, Alum Creek to Wightman Fork	Al, Cu
CORGAL03b	Alamosa River, Wightman Fork to Fern Creek	pH, Al, Cu
CORGAL08	Terrace Reservoir	Cu
CORGAL09	Alamosa River, Terrace Reservoir to Highway 15	Cu
COSPCL13	North Fork Clear Creek	Cu
COSPUS15	South Platte River, Burlington Ditch to Big Dry Creek	Cd
COUCBL02	Blue River below French Gulch	Cd, Zn

Table 11 lists those TMDLs that are currently scheduled to be completed by June 30, 2008, in accordance with the settlement agreement.

Table 11. TMDLs Remaining from 1998 303(d) List		
WBID	***Segment***	***Parameter(s)***
COUA02b	Arkansas River above Lake Fork	Cd, Zn
COARUA02c	Arkansas River, Lake Fork to Lake Creek	Zn
COARUA11	Sayres Gulch, & South Fork Lake Creek, Sayres Gulch to Lake Creek	Al, Cu
COARUA12a	Chalk Creek	Zn
COARUA14b	Teller Reservoir	Hg
COGULG02	Gunnison River	Se
COGUNF05	North Fork Gunnison tributaries	Se
COGUSM03a	San Miguel River below Idarado	Zn
COGUSM03b	San Miguel River, Marshall Creek to South Fork San Miguel River	Zn
COGUSM06b	Marshall Creek	Zn
COGUUN04	Uncompahgre River, Highway 550 to Gunnison River	Se
COGUUN14	Sweitzer Lake	Se
CORGCB09a	Kerber Creek, above Brewery Creek	Cd, Ag
CORGCB09b	Kerber Creek, Brewery Creek to San Luis Creek	Cd, Cu, Zn
CORGRG04	Willow Creek	Cd, Zn
CORGRG30	Sanchez Reservoir	Hg
COSJDO05	Silver Creek	Cd, Zn
COSJSJ03	Lower Rio Blanco River	sediment
COSPCL02	Clear Creek, Silver Plume to Argo Tunnel	Cu, Zn

Table 11. TMDLs Remaining from 1998 303(d) List		
WBID	***Segment***	***Parameter(s)***
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	Zn
COSPCL13	North Fork Clear Creek	Cd, Mn, Zn, Aq life
COSPUS03	Trout Creek & tributaries on NF land	sediment
COSPUS04	Hall Valley to Geneva Creek	Cu
COSPUS05b	Geneva Creek, Scott Gomer Creek to North Fork South Platte River	Zn
COSPUS14	South Platte River, Bowles Avenue to Burlington Ditch	E coli
COUCBL06	Snake River, source to Dillon Reservoir	Cd, Cu, Pb, Zn
COUCBL07	Peru Creek	Cd, Cu
COUCEA05	Eagle River, Belden to Gore Creek	Zn
COUCEA07	Cross Creek, source to Eagle River	Zn

C3. Use Support Summary by Basin

Colorado periodically evaluates the quality of its surface water to determine the degree to which it is suitable for its assigned designated uses. The designated uses in Colorado include four categories: aquatic life, recreation, water supply and agriculture use. Assessments of Colorado's streams, reservoirs, and lakes are conducted to identify chemical, physical, and biological attainment or impairment. The Division identifies the causes and sources of pollutants in water bodies and uses the state's water quality control programs (such as the Colorado Discharge Permits System (CDPS), and the Nonpoint Source Management Projects) to improve water quality where impairments are found to exist.

The following table, Table 12: Degree of Support for Colorado Rivers shows the degree of use support in Colorado Rivers.

Table 12: Degree of Support for Colorado Rivers (miles)			
Use	**Size Assessed**	**Size Assessed and Fully Supporting**	**Size Assessed and Not Supporting**
Aquatic Life Cold 1	26,081	22,423	3,658
Aquatic Life Warm 1	1,401	487	914
Aquatic Life Cold 2	5,770	4,793	977
Aquatic Life Warm 2	24,649	18,824	5,825
Primary Contact (Recreation, Class E and P)	44,784	41,971	2,812
Secondary Contact (Recreation, Class U and N)	16,268	16,094	174

Drinking Water Supply	41,217	39,767	1,451
Agriculture	69,957	67,037	2,920
Note: Total assessed miles and acres include assessments conducted in the last five years.			

The following table, Table 13: Degree of Support for Colorado Lakes, shows the degree of use support in Colorado Lakes.

Table 13: Degree of Support for Colorado Lakes (acres)

Use	Size Assessed	Size Assessed and Fully Supporting	Size Assessed and Not Supporting
Aquatic Life Cold 1	46,923	29,601	17,322
Aquatic Life Warm 1	31,231	9,647	21,583
Aquatic Life Cold 2	142	0	142
Aquatic Life Warm 2	4,685	296	4,389
Primary Contact (Recreation, Class E and P)	76,252	76,252	0
Secondary Contact (Recreation, Class U and N)	2,449	2,449	0
Drinking Water Supply	63,679	63,679	0
Agriculture	88,490	88,490	0
Note: Total assessed miles and acres include assessments conducted in the last five years.			

Causes and Sources Affecting Water Bodies that are not Supporting Classified Uses

In Colorado, when a narrative or numeric standard is exceeded, the associated use is determined to be in non-attainment, and the cause and source affecting the water body is determined. The cause is the pollutant that contributes to the non-attainment. For example, if the aquatic life standard for zinc is exceeded, then the aquatic life use would be in non-attainment and the cause would be zinc. The source is the activity or facility that contributes the pollutant. An example of a source is resource extraction if metal exceedances are found in a historic mining district.

The following tables summarize the causes and sources contributing to non-attainment of uses for Colorado's assessed waters. Those causes and sources yet to be determined are identified as "unknown."

Table 14: Summary of Causes Affecting Water Bodies Not Fully Supporting Classified Uses		
Cause Category	***Colorado Rivers*** **Miles Affected**	***Colorado Lakes*** **Acres Affected**
Unknown Biological Stressor	**100**	**17,148**
Harmful Algal Blooms – Chlorophyll-a	**0**	**916**
Toxic organics - Tetracholoroethylene	**0**	**78**
Sulfates - Mineralization	**6**	
Metals		
Aluminum	**91**	**0**
Arsenic	**0**	**0**
Cadmium	**522**	**0**
Copper	**723**	**142**
Iron (trec)	**1,454**	**672**
Lead	**186**	**0**
Manganese	**39**	**0**
Mercury	**0**	**17,148**
Selenium	**6,918**	**17,720**
Silver	**12**	**0**
Uranium	**80**	**0**
Zinc	**842**	**0**
Nutrients		
Nitrate	**11**	**0**
Unionized Ammonia	**67**	**530**
pH	**316**	**3,835**
Siltation	**2,447**	**0**
BOD, organic sediment load	**12**	**0**
Dissolved oxygen saturation	**177**	**6,204**
Thermal Impacts	**0**	**0**
Pathogens - e. coli	**2,976**	**0**

Notes:
"Cause" means the pollutants and other stressors that contribute to the non-attainment of classified uses in a water body.

Sum of the acres or miles affected does not equal the total non-attained acres or miles since non-attainment may have more than one cause.

Table 15: Summary of Sources Affecting Water Bodies Not Fully Supporting Classified Uses		
Source Category	***Colorado Rivers* (Miles Affected)**	***Colorado Lakes* (Acres Affected)**
Agriculture Related Sources	**2,626**	**0**
Contaminated Groundwater	**27**	**78**
Highway/Road/Bridge Runoff (Non-construction Related)	**17**	**0**
Mining Related Sources	**645**	**142**
Natural Sources	**828**	**142**
Sources Unknown	**7,327**	**38,475**
Upstream Sources	**68**	**0**

Notes:
"Source" means the activities, facilities, or conditions that contribute pollutants or stressors.

Sum of the acres or miles affected does not equal the total non-attained acres or miles since non-attainment may have more than one cause.

C3.1 Designated Use Tables

This section gives an explanation for the Designated Use Support Table included in Appendix B and Appendix C of this Report. These assessments are individually listed in this table according to stream segments. The following table provides an explanation of the Water Body Identification (WBID) System used in Colorado. The basins are separated by Regulation Numbers. The Designated Use Table lists the assessments according to this system.

Table 16: The Key to Colorado's WBIDs			
Regulation Number	***Letters 1-2 = Colorado***	***Letters 3-4 = Major River Basin***	***Letters 5-6 = Minor River Basin***
#32	**CO**	AR Arkansas Basin	UA Upper Arkansas River Basin MA Middle Arkansas River Basin FO Fountain Creek Basin LA Lower Arkansas River Basin CI Cimarron River Basin
#33	**CO**	UC Upper Colorado and North Platte Basin	UC Upper Colorado River Basin BL Blue River Basin EA Eagle River Basin RF Roaring Fork River Basin NP North Platte River Basin YA Yampa River Basin

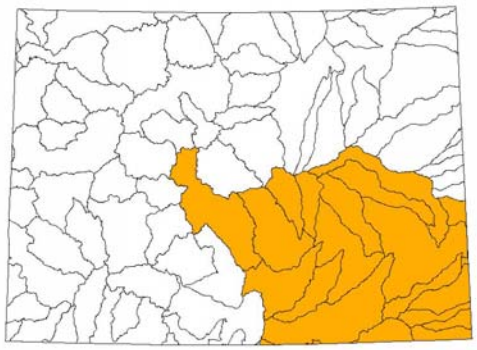
Table 16: The Key to Colorado's WBIDs			
Regulation Number	***Letters 1-2 = Colorado***	***Letters 3-4 = Major River Basin***	***Letters 5-6 = Minor River Basin***
#34	**CO**	SJ San Juan River and Dolores River Basins	SJ San Juan River Basin PI Piedra River Basin PN Los Pinos River Basin AF Animas and Florida Rivers Basin LP La Plata River, Mancos River, McElmo Creek and San Juan DO (Upper) Dolores River Basin
#35	**CO**	GU Gunnison and Lower Dolores River Basins	UG Upper Gunnison River Basin NF North Fork of the Gunnison River Basin UN Uncompahgre River Basin LG Lower Gunnison River Basin SM San Miguel River Basin LD Lower Dolores River Basin
#36	**CO**	RG Rio Grande Basin	RG Rio Grande River Basin AL Alamosa River/La Jara Creek/ Conejos Creek Basin CB Closed Basin/San Luis Valley Basin
#37	**CO**	LC Lower Colorado Basin	LY Lower Yampa/Green River Basin WH White River Basin LC Lower Colorado river Basin
#38	**CO**	SP South Platte Basin	US Upper South Platte River Basin CC Cherry Creek BE Bear Creek Basin CL Clear Creek Basin BD Big Dry Creek Basin BO Boulder Creek Basin SV St Vrain Creek Basin MS Middle South Platte River Basin BT Big Thompson River Basin CP Cache La Poudre River Basin LA Laramie River Basin LS Lower South Platte River Basin RE Republican River Basin

Appendices B and C tabulate, for each segment, the designated uses as well the corresponding attainment status for each use, the date of the most current assessment, identified sources and impairments, and the corresponding segment size. The methodology used in Colorado for assigning these categories system is explained in the following table as well as detailed in the schematic in Appendix A.

Table 17: Comparison of EPA IR Categories to Colorado 303(d) Listings		
EPA IR Category	**EPA Description**	**Colorado Description**
1	All designated uses are supported, no use is threatened.	Fully Supporting for all uses. All uses have been assessed and all uses are fully supporting the designated uses.
2	Available data and/or information indicate that some, but not all of the designated uses are supported.	Some uses have been assessed and all uses assessed are fully supporting the designated uses. Other uses have not been assessed.
3	There is insufficient available data and/or information to make a use support determination.	Not Assessed for any uses. Placed on Colorado's Monitoring and Evaluation List (M&E) because impairment is suspected
4a	A TMDL to address a specific segment/pollutant combination has been approved or established by EPA.	TMDL completed. May be supporting or not assessed and waiting for future monitoring to determine use support.
4b	A use impairment caused by a pollutant is being addressed by the State through other pollution control requirements.	Water is impaired but a TMDL is not needed because other mechanisms are expected to result in the attainment of Water Quality Standards in a reasonable period of time. (e.g. CERCLA Sites)
4c	A use is impaired, but the impairment is not caused by a pollutant.	A use is impaired, but the impairment is not caused by a pollutant.
5	Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.	Placed on Colorado's 303(d) List. No TMDL has been completed.

In Colorado, the majority of the assessed surface water bodies fall into IR Categories 1, 2, and 3. Colorado has elected to place segments where not all uses have been assessed in IR Category 2. In some cases, a complete assessment of all uses cannot be completed due to the lack of data, but the data that is available indicates that at least some of the uses that were assessed are fully supporting. An example would be instances where an aquatic life assessment has been completed, but analytical results to assess water supply uses were not available. Colorado places segments that lack topical and conclusive evidence regarding attainment of standards on the M&E list, which is equivalent to IR Category 3. Also included in IR category 3 are those water bodies that were not assessed during the current 305(b) assessment cycle. Segments for which an EPA approved TMDL has been completed are placed in IR Category 4a. In some cases, segments that previously were classified as IR Category 4a, have been re-assessed and placed in Category 1, as they are now are in attainment of all classified uses. Colorado currently does not have any surface water bodies classified as IR Categories 4b or 4c. Regulation #93, Colorado's section 303(d) list of impaired waters tabulates all those segments that require a TMDL, (Appendix D) and tabulates all those water bodies that are classified as IR Category 5.

C3.2 Arkansas River Basin



The Arkansas River Basin is the largest basin in Colorado (28,286 square miles), based on drainage area. Major tributaries within the basin include: Fountain Creek, Huerfano River, and the Purgatoire. The headwaters originate near Leadville, and then run through the southeastern part of Colorado, where it leaves the State near the town of Holly. The major population centers in the Arkansas River Basin are Leadville, Colorado Springs, Pueblo, Las Animas and Lamar. The sub-basins include: Upper Arkansas River, Middle Arkansas River, Fountain Creek, Lower Arkansas River and the Cimarron River.

Surface Water Quality Assessment:

The water quality in the Arkansas River Basin was comprehensively assessed in 2006-2007 in preparation for the review of water quality standards for the 2007 Rulemaking Hearing in Pueblo, Colorado. The Division operates routine water quality stations in the Arkansas Basin, but additional Division stations were monitored in preparation for the 2007 hearing. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed. Additional assessments were completed for the 2006 303(d) List in 2005.

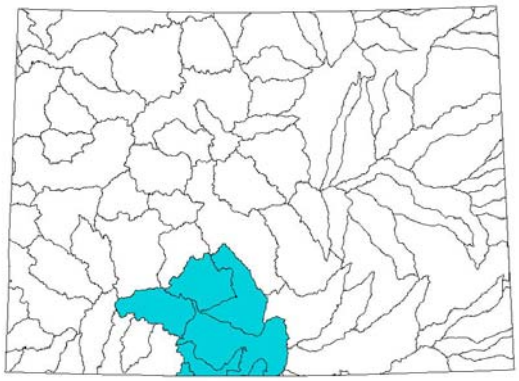
Assessment Results:

For the Arkansas River Basin 29.6% of the river miles and 32.4% of the lake acres are fully supporting all classsified uses. For lakes another 11.4% of acres are supporting at least some of the classified uses. The individual use support for the Arkansas Basin waterbodies is summarized in the following table (Table 18).

Table 18: Impairment Summary for the Arkansas River Basin

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	6,692	5,189
2 - Some Uses Supporting	816	4,376
3 - Insufficient Data, Placed on the M&E list	13,616	985
4a - TMDL Completed and Approved	9	0
4b - Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	3,067	20,634

C3.3 Rio Grande Basin



The Rio Grande Basin is located in south-central Colorado, and covers 7,500 square miles. The basin ranges from above 14,000 feet above sea level in the Sangre de Cristo Mountains to 7,400 feet above sea level where the Rio Grande crosses the Colorado/New Mexico border. The principal tributaries of the Rio Grande are the Alamosa and the Conejos River.

Surface Water Quality Assessment:

The water quality in the Rio Grande Basin was comprehensively assessed in 2006-2007 in preparation for the review of water quality standards for the 2007 Rulemaking Hearing in Pueblo, Colorado. The Division operates routine water quality stations in the Rio Grande Basin, but additional Division stations were monitored in preparation for the 2007 hearing. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed.

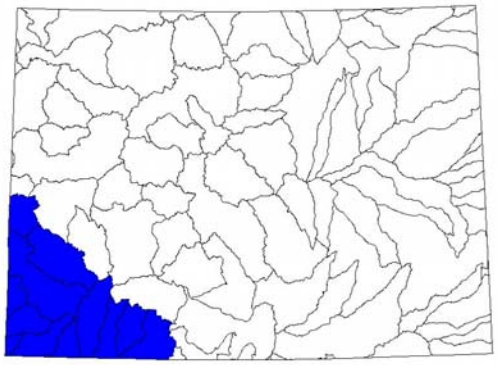
Assessment Results:

For the Rio Grande Basin 56.7% of the river miles are fully supporting all classified uses, with an additional 11% supporting at least one of the classified uses. For lakes within the Rio Grande Basin, 0% of the lake acres are fully supporting all classified uses, with an additional 29.4% supporting at least one of the classified uses. The individual use support for the Rio Grande Basin is summarized in the folowing table (Table 19).

Table 19: Impairment Summary for the Rio Grande Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	3,838	0
2 - Some Uses Supporting	1,073	1,621
3 - Insufficient Data, Placed on the M&E list	1,602	1,745
4a – TMDL Completed and Approved	27	0
4b – Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	294	2,147

C3.4 San Juan River Basin



The San Juan and Dolores Rivers in southwestern Colorado are both tributary to the Colorado River. The principal tributaries of the San Juan River are the Animas, Florida, La Plata, Los Pinos, Mancos, and Piedra Rivers. The main tributary of the Dolores River is the San Miguel River. The San Juan River and tributaries pass through the Ute Mountain Indian Reservation and the Southern Ute Indian Reservation before exiting the state. The major population areas are Cortez, Durango, and Pagosa Springs.

Surface Water Quality Assessment:

The water quality in the San Juan River Basin was comprehensively assessed in 2004-2005 in preparation for the triennial review of water quality standards scheduled for a July, 2006 Rulemaking Hearing. Water quality standards for the waters in the San Juan and Dolores Basin are contained in two regulations: Regulation No. 34, San Juan and Upper Dolores and Regulation No. 35, Gunnison and Lower Dolores.

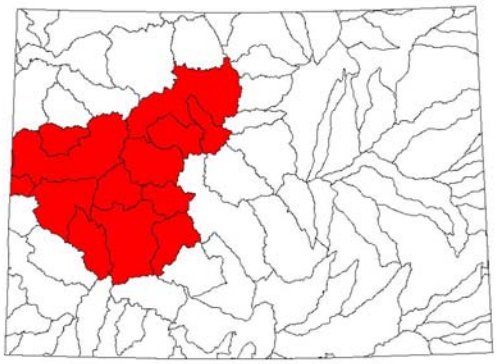
Assessment Results:

For the San Juan River Basin, 49.3% of the river miles are fully supporting all classified uses. An additioal 12.5% of the river miles are supporting at least one classified use. The individual use support for the San Juan Basin is summarized in the following table.

Table 20: Impairment Summary for the San Juan River Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	2,379	0
2 - Some Uses Supporting	1,441	0
3 - Insufficient Data, Placed on the M&E list	2,046	3.89
4a – TMDL Completed and Approved	136	0
4b – Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	208	8,080

C3.5 Colorado River Basin



The Colorado River Basin is the second largest basin in Colorado (18,140 square miles). The quantity of flows through the basin is greater than the combined flows of all the other basins in the state. Major tributaries to the Colorado River include: the Blue, Eagle, Roaring Fork, and Gunnison Rivers. The major population centers in this basin are: Grand Junction, Glenwood Springs, Gunnison, Montrose, Aspen, Delta, and Vail.

Surface Water Quality Assessment:

Water quality standards for the Colorado River Basin have been reviewed at various times as the segments are included in three regulations: Regulation No. 33 (North Platte and Upper Colorado River Basins) was reviewed in July 2007, Regulation No. 35 (Gunnison and Lower Dolores River Basins) was reviewed in 2006, and Regulation No. 37 (Lower Colorado River Basin) was reviewed in 2007. The Division operates routine water quality stations in the Colorado River Basin, but additional Division stations were monitored in preparation for the various hearings. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed.

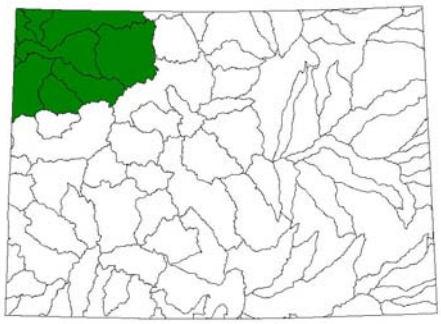
Assessment Results:

For the Colorado River basin 49.7% of the river miles and 59.9% of the lake acres are fully supporting all uses. An additional 23.4% of the river miles, and 13.7% of the lake acres, are supporting some of the classified uses. The individual use support for the Colorado Basin is summarized in the following table (Table 21).

Table 21: Impairment Summary for the Colorado River Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	13,995	23,019
2 - Some Uses Supporting	6,288	6,212
3 - Insufficient Data, Placed on the M&E list	2,710	3,706
4a – TMDL Completed and Approved	10	0
4b – Impaired no TMDL Necessary	4	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	4,143	2,330

C3.6 Green River Basin



The Green River Basin is comprised of the Yampa and the White River Basins, the principal Colorado tributaries to the Green River. The Yampa and the White Rivers are among the least developed rivers in Colorado. They originate in the high alpine forests of the Flat Tops Wilderness Area. This basin is sparsely populated and the largest city is Craig, Colorado.

Surface Water Quality Assessment:

The Green River Basin was assessed in 2002 and 2003 for the July 2003 rulemaking hearing for Regulation No. 37, Lower Colorado River. The Division operates routine water quality stations in this basin, but additional Division stations were monitored in preparation for this hearing. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed.

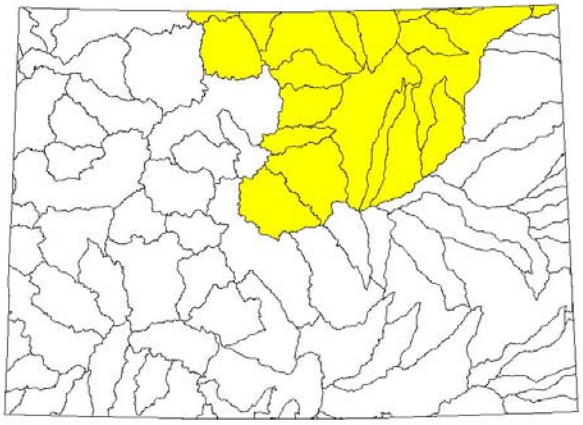
Assessment Results:

The Green River Basin has 30.5% of the river miles, and 55.4% of the lake acres fully supporting all designated uses. Additionally, 28.5% of the river miles, and 30.6% of the lake acres are supporting at some of the classified uses. The individual use support for the Green Basin is summarized in the following table (Table 22).

Table 22: Impairment Summary for the Green River Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	4,220	1,626
2 - Some Uses Supporting	4,334	897
3 - Insufficient Data, Placed on the M&E list	3,497	410
4a – TMDL Completed and Approved	0	0
4b – Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	2,280	0

C3.7 Platte River Basin



The Platte River Basin covers approximately 21,000 square miles in northeastern Colorado. The North and South Platte Rivers join in Nebraska to form the Platte River. The South Platte River has the largest population of any river basin in Colorado with almost 3 million people, or almost 70% of the state's population. The major tributaries of the South Platte are Bear Creek, Cherry Creek, Clear Creek, Boulder Creek, St. Vrain River, Big Thompson River and the Cache La Poudre River.

Surface Water Quality Assessment:

The Platte River Basin was assessed in 2003 and 2004 for the July 2004 rulemaking hearing for Regulation No. 38, South Platte River. The Division operates routine water quality stations in this basin, but additional Division stations were monitored in preparation for this hearing. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed.

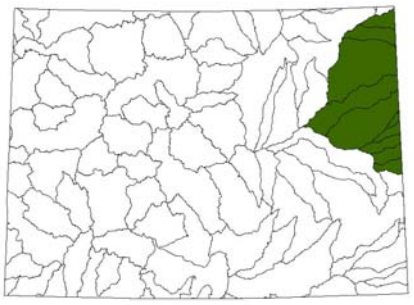
Assessment Results:

For the Platte River Basin 34.8% of the river miles are fully supporting, with an additional 17.4% supporting at least some of the uses. In terms of the precentage of river miles fully supporting, the South Platte River basin, with the largest population, is comparable to the Green River basin, one of the most sparsely populated basins in Colorado. For lakes within the Platte River Basin, 17.3% of the lake acres are fully supporting. Additionally, a further 6.9% of the lake acres are supporting at least some of the classified uses. The individual use support for the Platte Basin is summarized in the following table (Table 23).

Table 23: Individual Use Summary for the Platte River Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	9,632	5,439
2 - Some Uses Supporting	5,535	2,161
3 - Insufficient Data, Placed on the M&E list	5,523	11,792
4a – TMDL Completed and Approved	83	0
4b – Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	2,811	10,245

C3.8 Republican River Basin



The Republican River Basin covers the northeast High Plains of Colorado. Yuma, Holyoke, and Burlington are the largest cities in this sparsely populated basin, where the population represents less than 1% of the State's population. The Republican is the only large river basin in the state that does not have headwaters in the mountains. The area depends primarily on groundwater from the Ogallala Aquifer for irrigating cropland and providing domestic water for farm communities. In 2004, the Republican River Water Conservation District was formed to respond to Colorado's requirements under the recently revised interstate compact.

Surface Water Quality Assessment:

The Republican River Basin was assessed in 2003 and 2004 for the July 2004 rulemaking hearing for Regulation No. 38, South Platte River. The Division operates routine water quality stations in this basin, but additional Division stations were monitored in preparation for this hearing. Data from USGS, CDOW, and other public and private sources throughout the basin were also assessed.

Assessment Results:

For the Republican River Basin, 1.7% of the river miles are fully supporting 55.4% of all designated uses. The individual use support for the Republican Basin is summarized in the following table (Table 24).

Table 24: Individual Use Summary for the Republican River Basin.

EPA IR Category	River Miles	Lake Acres
1 - Fully Supporting	732	0
2 - Some Uses Supporting	0	0
3 - Insufficient Data, Placed on the M&E list	5,486	1,831
4a – TMDL Completed and Approved	0	0
4b – Impaired no TMDL Necessary	0	0
4c - Impaired Naturally, Placed on the M&E list	0	0
5 - Impaired and TMDL Necessary	37	0

C3.9 Clean Lakes Program – Section 314

Colorado has approximately 1,533 publicly owned lakes of greater than ten surface acres. The total surface acreage of these lakes has been estimated at 164,029. Significant publicly owned lakes are defined as those natural lakes, reservoirs, or ponds where the public has access to recreational activities, such as fishing and swimming, or where the beneficial uses, such as water supply, affect the public.

Section 314(a)(2) of the Clean Water Act requires states to report on the status of lake water quality as part of the 2008 305(b) report. Colorado conducted lake assessments under the Lake Water Quality Assessment assistance grant from EPA between 1989 to 1994. Since 1995, Colorado has not received separate funding for lake and reservoir monitoring.

1. Monitoring Current Biennium

During this biennium (2006-2007), the Division monitored 30 lakes and reservoirs. The lake and reservoir monitoring efforts provide data to evaluate the trophic status of Colorado lakes and reservoirs. The data also are used to assess attainment of water quality standards.

2. Trophic State Assessment

Trophic state is a classification of lakes based on the level of biological productivity (especially algae) and nutrient status. Commonly used indicators of nutrient status and productivity include the amount of algae as measured by chlorophyll-a , water transparency as measured by Secchi disc depth, and in-lake epilimnetic total phosphorus concentration. The trophic state is broadly defined as follows:

- Oligotrophic: lakes with few available nutrients and a low level of biological productivity
- Mesotrophic: lakes with nutrient levels and biological productivity between oligotrophic and eutrophic
- Eutrophic: lakes with high nutrient levels and a high level of productivity
- Hypereutrophic: lakes in an advanced eutrophic state

Trophic status is an index of water quality only to the extent that trophic condition limits the desired use of a lake (i.e., water supply or recreation). Generally, the effects of lake eutrophication are considered to be negative, especially if the eutrophication is accelerated by human activities. Negative effects include taste and odor problems for water supplies; reduction in water clarity, which is important for many recreational uses; and a reduction in the DO concentration in bottom waters to levels that are lethal to fish. Eutrophication often leads to increased fish production, but at the expense of desired species that inhabit cold deep areas, such as trout.

As part of the lake assessments, the Division also considers data collected by agencies other than the Division. Routine monitoring of publicly owned reservoirs is being, or has

been performed, by the USGS, Army Corps of Engineers, Denver Water, and various other entities including cities, regional council of governments, and river basin associations.

The Division uses the Trophic State Index (TSI) equations developed by Carlson (1977) to estimate trophic state. Data for the epilimnion (upper-most layer in a stratified lake) collected during the summer were used to calculate the mean chlorophyll-a for each lake monitored by the Division during 2006 and 2007. The mean chlorophyll-a values were used to calculate the chlorophyll TSI for each lake. Each lake's TSI was compared to the categories presented below (Table 25) to determine an overall trophic state (http://dipin.kent.edu/tsi.htm). A summary of the lake assessments can be found in Table 26.

Table 25: Trophic State Index (TSI) vs. Trophic State

TSI	Trophic State
0-40	Oligotrophic
40-50	Mesotrophic
51-70	Eutrophic
>70	Hypereutrophic

Table 26: Trophic Status of Colorado Lakes presents the estimated trophic status of individual lakes monitored by the WQCD during the period 2006-2007.

Lake	WBID	Elevation	Surface Acres	Chlorophyll a, µg/L	Chl-TSI	Estimated Trophic Status	Years monitored
Williams Fork	COUCUC08	7811	1810	2.8	41	Mesotrophic	2006-07
Lake John		8050	565	3.4	42	Mesotrophic	2006-07
Delaney Buttes North		8145	205	3.2	42	Mesotrophic	2007
Stagecoach	COUCYA02b	7250	780	55.4	70	Eutrophic	2006-07
Steamboat		8031	1053	11.8	55	Eutrophic	2006-07
Rio Blanco	COLCWH11	5760	383	1.9	37	Oligotrophic	2006-07
Kenney	COLCWH12	5350	600	2.4	39	Oligotrophic	2006-07
Highline	COLCLC19	4700	174	3.1	42	Mesotrophic	2006-07
Vega	COLCLC15	7984	900	26.9	63	Eutrophic	2006-07
Rifle Gap	COLCLC09b	5960	400	1.2	32	Oligotrophic	2006-07
Ruedi	COUCRF06	7766		1.0	31	Oligotrophic	2006-07
Taylor Park	COGUUG04	9330	2000	3.4	43	Mesotrophic	2007
DeWeese Reservoir	COARUA15	7665	240	3.6	43	Mesotrophic	2005-06

Table 26: Trophic Status of Colorado Lakes presents the estimated trophic status of individual lakes monitored by the WQCD during the period 2006-2007.

Lake	WBID	Elevation	Surface Acres	Chlorophyll a, µg/L	Chl-TSI	Estimated Trophic Status	Years monitored
Turquoise Lake	COARUA05	9869	1500	1.5	34	Oligotrophic	2005-06
Clear Creek Reservoir	COARUA05	8875	407	1.8	36	Oligotrophic	2005-06
Twin Lakes, Lower	COARUA10	9200	2440 combined	1.5	35	Oligotrophic	2005-06
Twin Lakes, Upper	COARUA10	9200		0.9	30	Oligotrophic	2005-06
Brush Hollow Reservoir	COARUA24	5500	200	13.3	56	Eutrophic	2005-06
John Martin Reservoir	COARUA11	3851	11647	30.9	64	Eutrophic	2005-06
Nee Gronda Reservoir	COARLA10	3876	3490	11.7	55	Eutrophic	2005-06
Adobe Creek Reservoir	COARLA10	4128	5147	23.7	62	Eutrophic	2005-06
Lake Meredith	COARLA12	4100	3700	44.4	68	Eutrophic	2005-06
Lake Henry	COARLA12	4312	1350	24.8	62	Eutrophic	2005-06
Trinidad Reservoir	COARLA05A	6172	1045	1.4	34	Oligotrophic	2005-06
Martin Lake	COARMA16	6410	206	3.6	43	Mesotrophic	2005-06
Beaver Creek Reservoir	CORGRG05	8850	115	23.5	62	Eutrophic	2005-06
La Jara Reservoir	CORGAL11	9698	635	104.8	76	Hypertrophic	2005-06
Sanchez Reservoir	CORGRG30	8272	2000	22.8	61	Eutrophic	2005-06
Smith Reservoir	CORGRG27	7721	700	19.4	60	Eutrophic	2005-06
Platoro Reservoir	CORGAL14	10034	700	8.1	51	Eutrophic	2005-06

Lakes Probabilistic Survey

The State of Colorado (State) received funding to participate in the EPA Survey of the Nation's Lakes (Survey). Colorado was assigned 30 lakes to sample for the Survey.

EPA provided the list of target lakes. The lakes were selected following a stratified random survey design. Thirty lakes were selected for primary sites; and an additional list of 29 lakes was provided for oversample sites.

Lakes from the lists were evaluated to determine if they were part of the target population for the Survey. The State conducted desk audits and field audits to determine which lakes were part of the target population and accessible to sample. The target population lake criteria were: surface area greater than 4 hectares, permanent waterbodies, greater than 1 meter deep, and 1000 square meters unvegetated open water. Lakes that met the criteria were identified as target lakes. Lakes that did not meet the criteria were considered non-target, and were replaced with a lake from the oversample list. The final selection requirement was to acquire permission to sample, if the lake was a private lake. For public lakes, permission was not a factor.

Table 27: EPA Survey of the Nation's Lakes in Colorado

Lake	County
Puett Reservoir	MONTEZUMA
Trout Lake	SAN MIGUEL
Trappers Lake	GARFIELD
Holbrook Reservoir	OTERO
McReynolds Reservoir	TELLER
Brush Hollow Reservoir	FREMONT
Jim Baker Reservoir	ADAMS
Eagle Lake	EAGLE
Morrow Point Reservoir	GUNNISON
Silver Jack Reservoir	GUNNISON
West Twin Lake	LAKE
Lonetree Reservoir	LARIMER
Big Battlement Lake	DELTA
Button Rock Reservoir	BOULDER
Waneka Reservoir	BOULDER
Neegronda Reservoir	KIOWA
Bonny Reservoir	YUMA
Cripple Creek Number 2 Reservoir	TELLER
Horse Creek Reservoir	WELD
Windsor Lake	WELD
Lake Thomas	WELD
Boyd Lake	LARIMER
Youngs Creek #3	DELTA
Sloans Lake	DENVER
Meadow Creek Reservoir	GRAND
Union	WELD
East Delaney	JACKSON
Barker Reservoir	BOULDER
Turquoise Lake	LAKE

Table 27: EPA Survey of the Nation's Lakes in Colorado	
Lake	**County**
Boulder Reservoir	BOULDER

The State contracted with the U.S. Geological Survey (USGS) to conduct the field sampling of the lakes. EPA provided training for the field sampling efforts in May of 2007. Staff from the USGS and the State participated in the training. The USGS sampled the 30 target population lakes during the period from June through September 2007, according to EPA's protocols for the Survey. The USGS also re-sampled 4 of these lakes during the same period. As part of an outreach education effort, the USGS also coordinated with the Colorado Lake and Reservoir Management Association (CLRMA) to take CLRMA-sponsored volunteer students on some of the sampling trips.

The USGS completed the sampling efforts and submitted most of the samples to the EPA contract laboratories. Analytical results for the samples are anticipated in 2008/2009.

D. Ground Water

Ground water protection in Colorado is diverse, with a number of State agencies providing varying roles in providing water quality protection and assessment. A number of these agencies, referred to as "implementing agencies", are charged with protecting ground water under separate Federal or State legislation. The various implementing agencies have developed program specific regulations, under their authority, to address ground water quality issues.

Ground Water Standards and Classifications

In 2007, the Water Quality Control Commission (WQCC) conducted a triennial review hearing to address Colorado's *Basic Standards for Ground Water* (Regulation 41). During the hearing the WQCC updated and revised the numeric ground water standards for toluene, ethylene dibromide (1,2-dibromoethane), and fecal coliform. The WQCC also adopted new standards for four pesticides; acetochlor, dicamba, metribuzin, and prometon. The WQCC also elected to implement the ground water narrative standards on a statewide basis.

During 2006 and 2007 there were no additional ground water classifications. Colorado currently has 53 site-specific ground water classifications. One ground water classification has been adopted as a surface water quality protection classification. Thirty-eight classifications were adopted as well head protection areas associated with municipal water supplies. An additional thirteen classifications have been adopted at existing oil fields, and are intended to work in conjunction with the Colorado Oil and Gas Conservation Commission (COGCC) regulation of Underground Injection Control (UIC) Class II wells. These oil field related ground water classifications are one example of Colorado's efforts to coordinate ground water quality protection efforts conducted by the various implementing agencies**.**

Ground Water Monitoring

The Agricultural Chemicals and Groundwater Protection Program (Program), a cooperative program between the Colorado Department of Agriculture (CDA), Colorado Sate University Extension Services (CSUCE), and the Water Quality Control Division (WQCD), has been systematically monitoring for the presence of agricultural related chemicals in vulnerable aquifers throughout Colorado. The program utilizes a combination of regulations, education, and ground water monitoring to assess and control potential ground water contamination that may result from improper use of agricultural chemicals. The Program, which has been actively pursuing ground water protection since 1992, has developed a number of tools including:
EPA approved Pesticide Management Plans (PMPs),
Several chemical specific ground water sensitivity and vulnerability investigations,
Numerous Best Management Practices (BMPs) and related educational material intended as pollution prevention measures.

Additionally, the Program has actively monitored all the major aquifers in agricultural areas within the State. These aquifers include:

- South Platte alluvial aquifer
- San Luis Valley unconfined aquifer
- Lower Arkansas alluvial aquifer
- Denver Basin Aquifer System and alluvial deposits on the Front Range
- High Plains / Ogallala aquifer
- Colorado River and Uncompahgre River alluvial aquifers
- N. Platte alluvial and terrace formations in Jackson County
- Alluvial and fractured bedrock aquifers in Custer County.

During 2006 the Program continued annual sampling of the South Platte alluvial aquifer between Brighton and Greeley (Weld County Long-Term Monitoring Network). The WQCD obtained some ground water split samples during this sampling effort, and analyzed these samples for metals and organic compounds. The monitoring network for the South Platte alluvial aquifer includes dedicated monitoring wells as well as privately owned irrigation wells. Additionally, the Program conducted a reconnaissance ground water quality investigation of eastern El Paso County.

Fiscal Year 2005/2006 Ground Water Monitoring - Weld County

There were 44 irrigation wells and 17 monitoring wells sampled in the Weld County Long-Term Network in 2006. The number of sampled irrigation wells decreased from previous years due to drought and water rights related decreases in irrigated acreage. In 2006, two of the monitoring wells were sampled twice for nitrate, once in the spring and then again in the fall.

Nitrogen analysis indicates that 80% of the irrigation wells and 70% of the monitoring wells tested above the nitrate drinking water standard of 10.0 mg/L (ppm). The mean nitrate concentration is 15.47 and 19.28 ppm for the irrigation wells and monitoring wells, respectively (Table 28). The area with the highest nitrate concentrations lies between Platteville and LaSalle where nine wells had a nitrate concentration above 20.0 ppm (Figure 2). The highest concentration of nitrate observed was 72.7 ppm, and was located in this area. Another area containing a number of wells with nitrate concentrations above the drinking water standard are a collection of irrigation wells east of HWY 85 between Greeley and Eaton.

Table 28. Summary Statistics for Weld County Long-Term Monitoring Network nitrate results.

2006 Weld County Nitrate Results[a]		
	Monitoring Wells	**Irrigation Wells**
Mean	19.28	15.47
Median	15.47	15.28
Standard Deviation	16.57	8.39
Minimum	3.3	BDL
Maximum	72.73	37.77
Sample Count	19	44

[a] Units for nitrate concentrations are mg/L or ppm.
BDL = Below Detection Limit of 0.04 ppm.

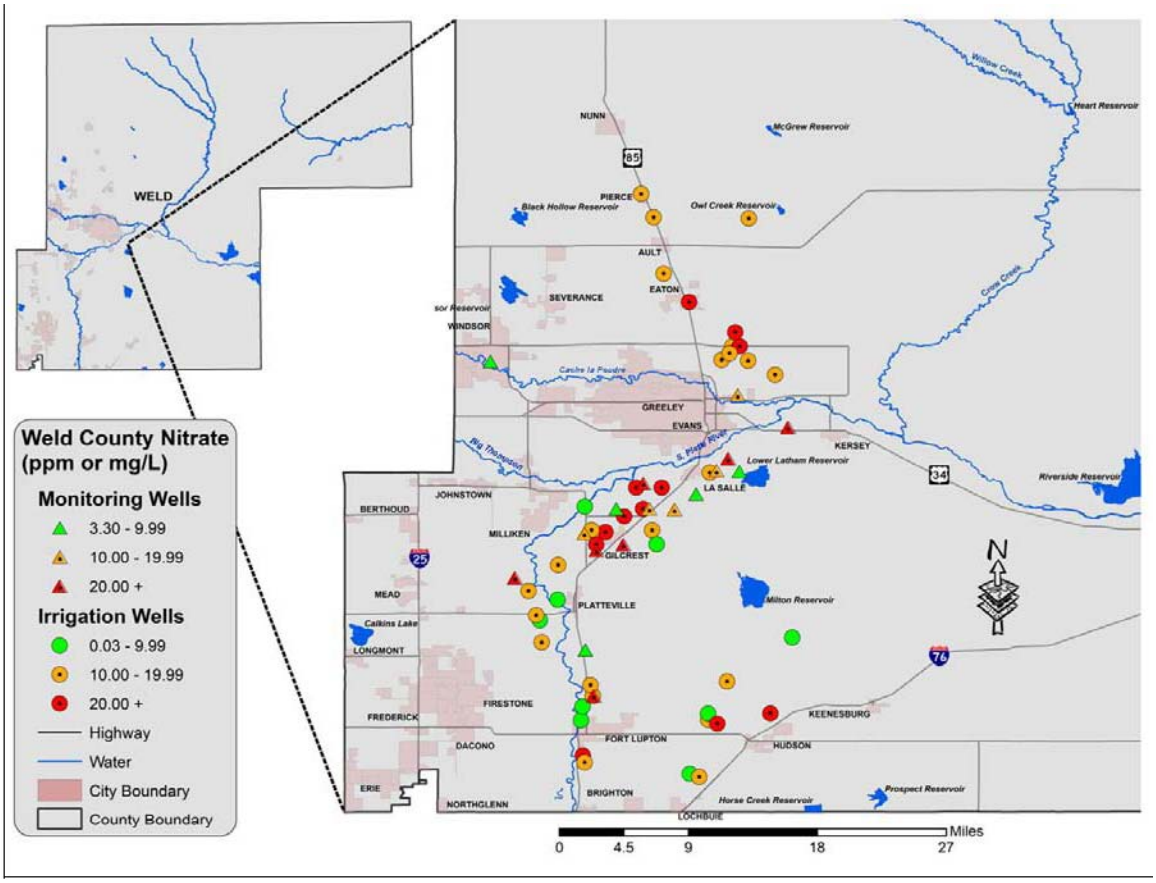


Figure 2 – Map showing the distribution of nitrate concentrations for 43 irrigation wells and 17 monitoring wells sampled from the Weld County Long-Term Network in 2006.

To compare the 2006 nitrate concentrations to historical concentrations, the 11-year (1996 to 2006) 95% confidence interval of nitrate concentration was calculated for 42 of irrigation wells and the 17 monitoring wells. A comparison of the irrigation well nitrate results (Figure 3) indicates that for 16 wells (38%) the 2006 nitrate concentrations were less than the associated 95% confidence interval of the historical concentrations, indicating that the 2006 nitrate concentrations were statistically lower than historical concentrations. Conversely, six wells (14%) had nitrate concentrations greater than the 95% confidence interval indicating that these wells had statistically higher nitrate concentrations. In total, 34 irrigation wells had nitrate concentrations that exceeded the associated drinking water standard of 10 ppm.

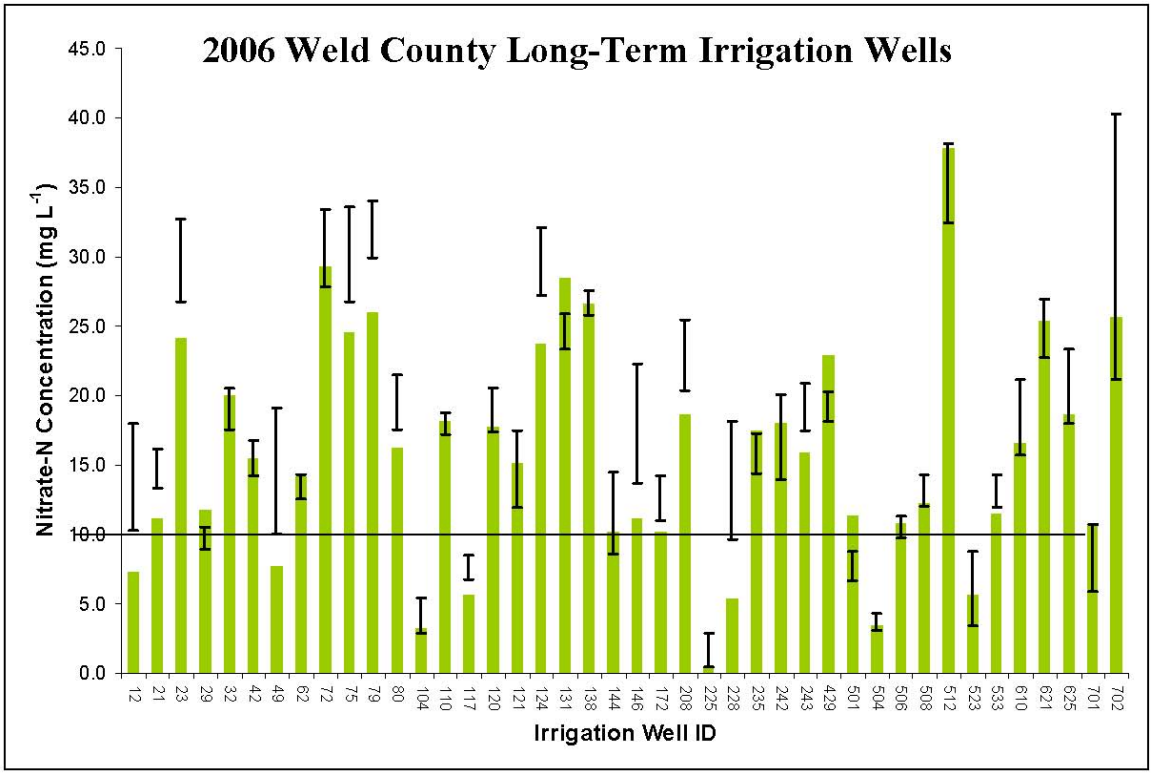


Figure 3 – 2006 Nitrate concentrations from 42 irrigation wells (green bars) compared to associated 95% confidence intervals from historical (1996 to 2006) results. The horizontal line is at the drinking water standard of 10.0 ppm.

The historical 95% confidence intervals on the nitrate concentrations were quite variable with approximately 70% of the wells having an interval greater the 5 ppm (Figure 4). Two monitoring wells (7 and 501) had quite large variations that were greater than approximately 30 ppm. Overall, the monitoring wells exhibit a much larger variation in observed concentrations of nitrate than the irrigation wells, which is likely due to the large screens typically installed on irrigation wells.

A comparison of the 2006 nitrate concentrations to the associated historical 95% confidence interval indicates that four monitoring wells had nitrate results greater than the historical range. One of these was from the fall sample collected at MW 10, and the nitrate concentration from the spring sample was within the historical range. Five monitoring wells had 2006 nitrate concentrations that fell below historical ranges. Twelve monitoring wells tested above the nitrate drinking water standard of 10 ppm.

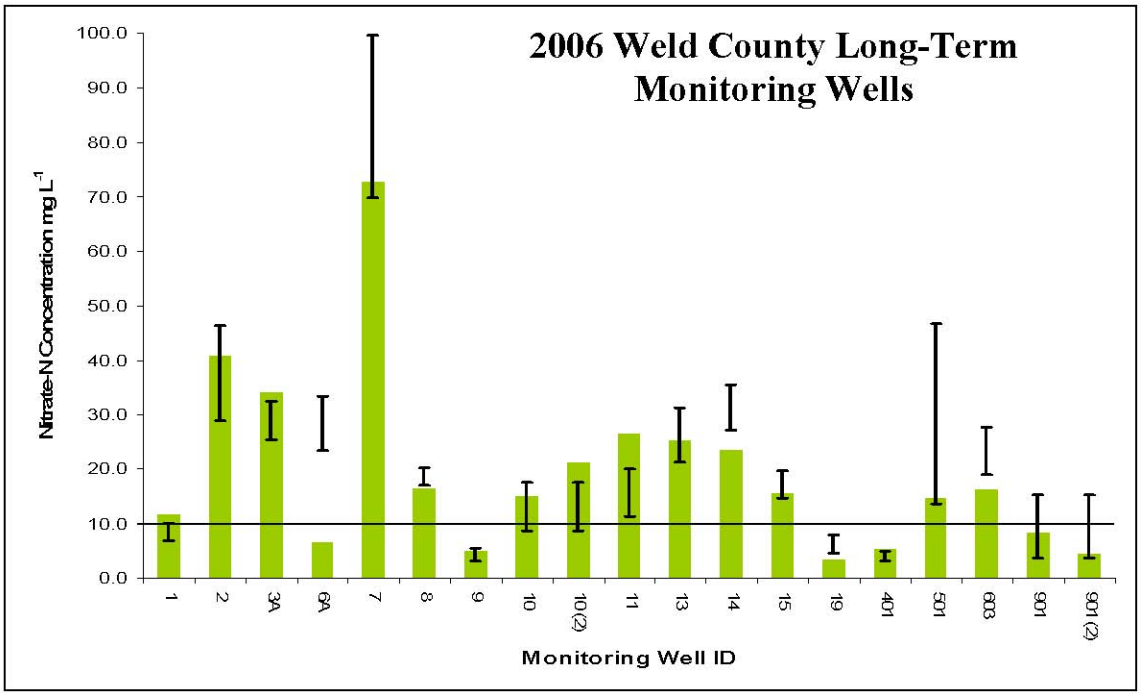


Figure 4 – Nitrate concentrations from 17 monitoring well (green bars) compared to associated 95% confidence intervals from historical (1996-2006) results. The horizontal line is at the drinking water standard of 10.0 ppm.

For pesticides, 13 of 17 wells had detections, and in aggregate at total of 24 pesticides were identified. Table 29 shows that the most commonly detected pesticide was deethyl Atrazine (DEA), a breakdown product of atrazine. Samples from seven of the monitoring wells had only one pesticide detected while the remaining six wells yielded a total of 17 pesticide detections. Compared to results from 2005, monitoring well pesticide detections increased in number; however, DEA remained the most commonly found pesticide.

Table 29 – Pesticide results from 17 Weld County Long-term monitoring wells sampled in 2006. Percent of wells is based on the total sample size of 17 monitoring wells.

2006 Weld County Monitoring Well Pesticide Detections				
Pesticide	**# Detects**	**% Wells**	**Concentration ---------- ppb ----------**	
			Average	**Maximum**
Atrazine	3	15.8	0.09	0.17
DEA	7	36.8	0.17	0.64
Bromacil	2	10.5	1.19	1.30
Clopyralid	1	5.3	NA	4.70
Metalaxyl	2	10.5	0.15	0.17
Metolachlor	5	26.3	0.42	0.73
Prometon	4	21.1	0.20	0.33
Total	**24**			

Table 29 – Pesticide results from 17 Weld County Long-term monitoring wells sampled in 2006. Percent of wells is based on the total sample size of 17 monitoring wells.				
2006 Weld County Monitoring Well Pesticide Detections				
Pesticide	# Detects	% Wells	Concentration ---------- ppb ----------	
			Average	Maximum
NA = Not Applicable				

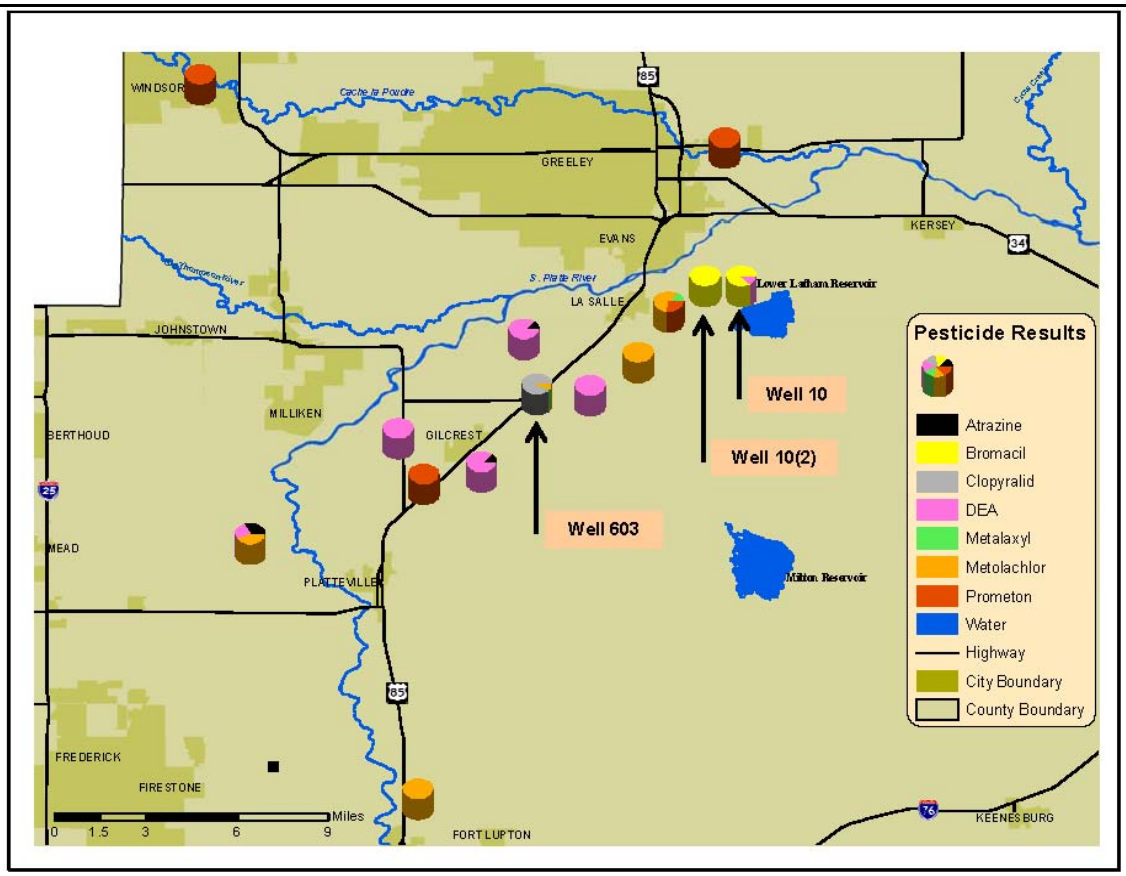


Figure 5 – Location of the 13 Weld County Long-Term Network monitoring wells with detectable levels of pesticides during 2006. Well 10 was sampled twice once in May and again in September. Well 603 had the most pesticide detections with four.

Of the six monitoring wells with multiple pesticide detections, five are located in the Platteville to La Salle section of the Weld County monitoring network, including Well 603 (Figure 5) which had detectable levels of DEA, Metalaxyl, Metolachlor, and Clopyralid. In all cases the concentrations of pesticides that were detected were below any applicable drinking water standard or health-advisory limits.

Split samples from the monitoring wells were collected and analyzed for metals and organics chemicals. All organic compounds were below the laboratory detection levels.

Fiscal Year 2005/2006 Ground Water Monitoring - El Paso County

The Program collaborated with the CSU Cooperative Extension in eastern El Paso County to conduct a reconnaissance investigation of ground water quality with respect to agricultural chemicals. Well selection for the investigation focused on alluvial aquifers, shallow bedrock aquifers of the Denver Basin. Additional consideration included areas of known agricultural production, as well as areas that were historically associated with agriculture but have recently undergone urban development. Based on the well selection criteria, 49 wells were located and sampled between September and November, 2006 (Figure 6). Most samples were collected from wells permitted for domestic use, but an irrigation well, several stock wells, and a few municipal wells were also sampled.

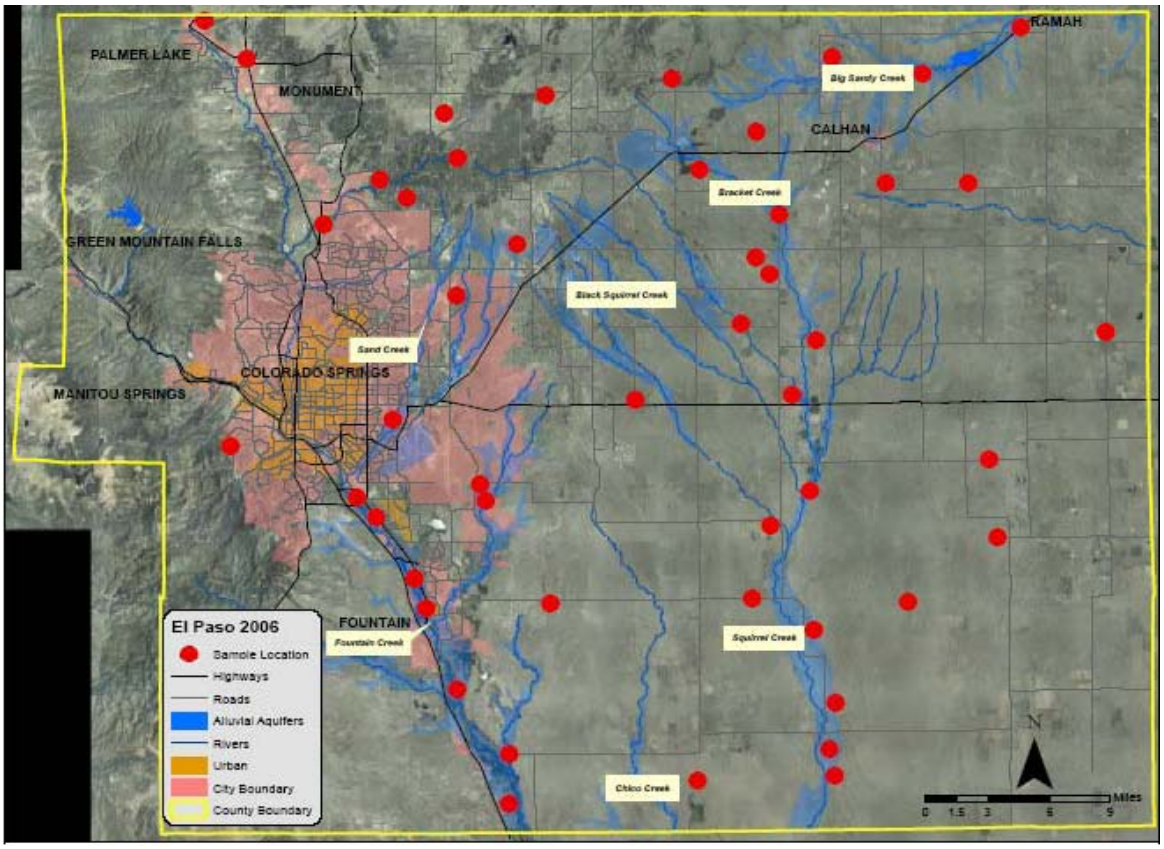


Figure 6 – Forty-nine wells were selected for sampling in the reconnaissance survey of El Paso County in 2006. Most samples were located in alluvial aquifers or in the shallow bedrock aquifers of the Denver Basin in the northern portion of the county.

2006 El Paso County Nitrate and Pesticide Results

Table 30 shows the summary statistics for nitrate results from the sampled wells in El Paso County. The average concentration was 2.74 ppm, and 50% of all samples had a nitrate concentration less than approximately 4 ppm. Seven wells had nitrate concentrations above 5.0 ppm, with only four of those exceeding 7.5 ppm (Figure 7). Six

samples were below detection limit. One sample had a nitrate concentration of 11.5 ppm, and was the only sample that greater than the ground water standard of 10 ppm. No pesticides were detected in any of the samples from El Paso county.

Table 30 –Summary Statistics of nitrate concentrations for groundwater samples collected in El Paso County between September to November 2006.

Mean	2.74
Median	2.07
Standard Deviation	2.84
Minimum	BDL
Maximum	11.54
25th %	0.23
75th %	4.09
Sample Count	49

Nitrate results are in ppm
BDL = Below Detection Limit of 0.04 ppm

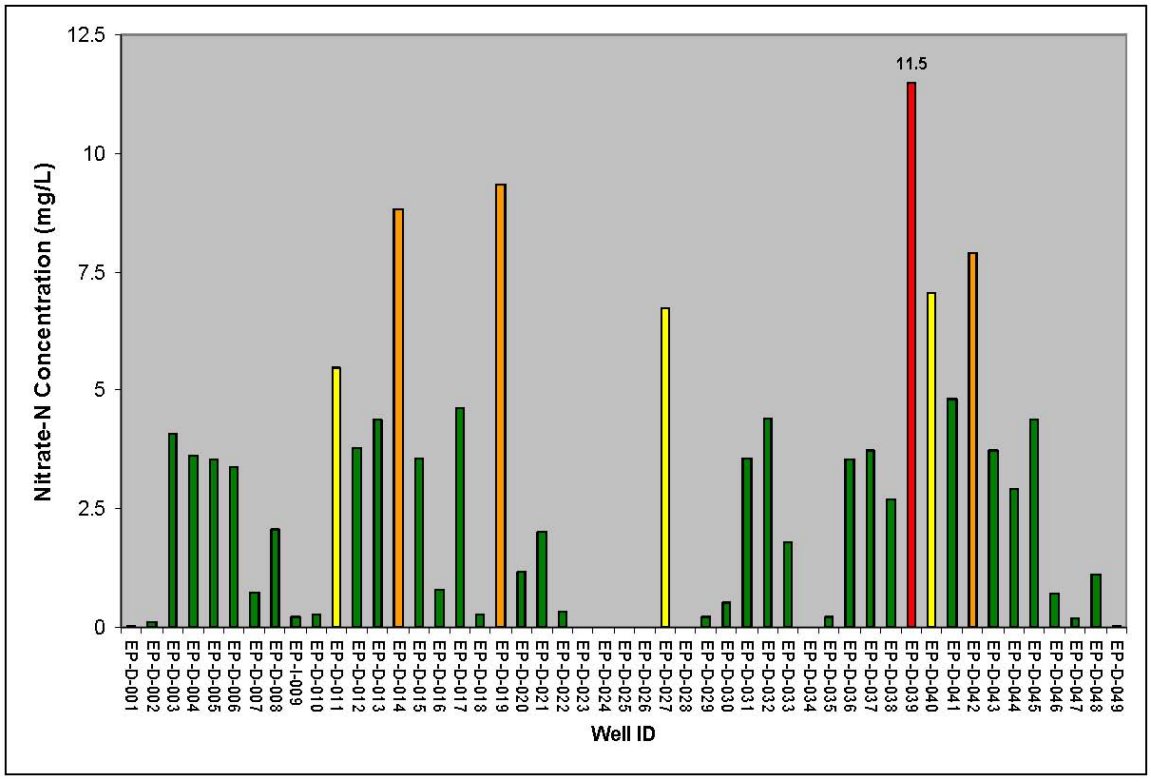
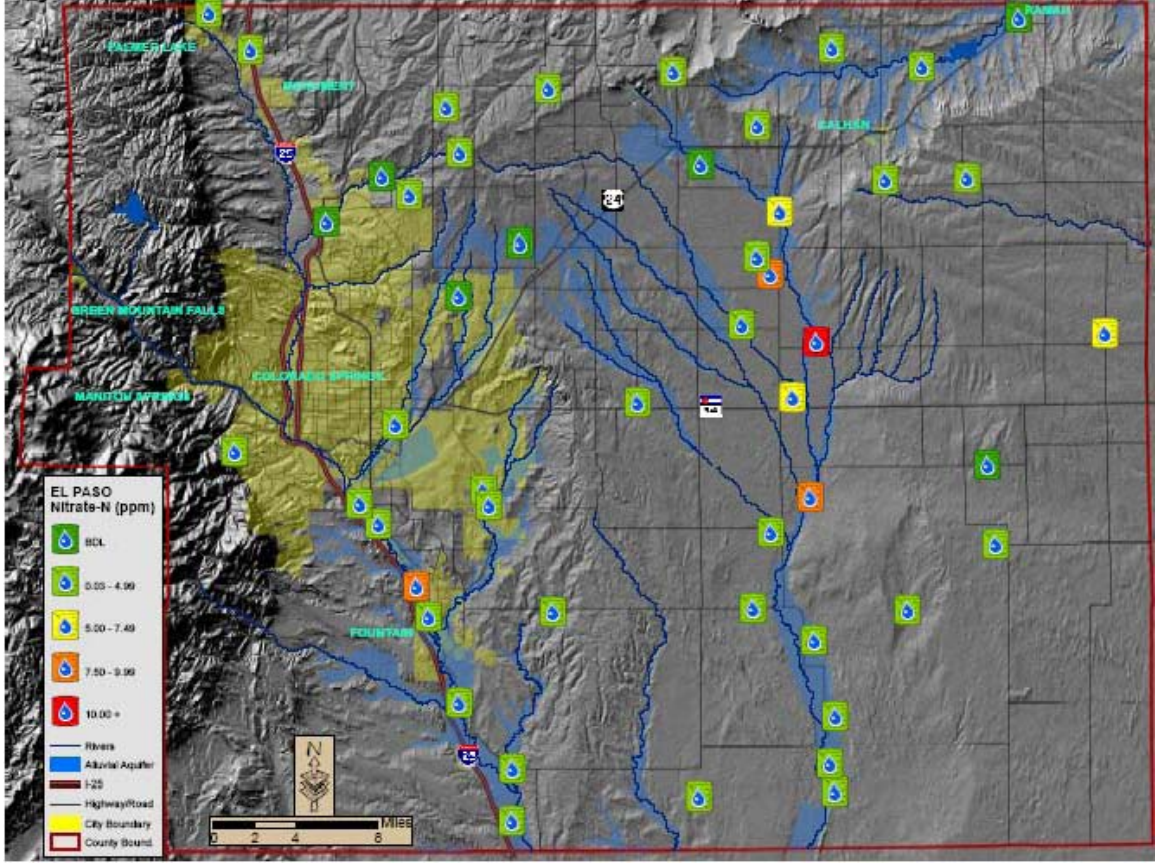


Figure 6 – Nitrate concentrations for 49 wells sampled in El Paso County in 2006.

The majority of the wells with nitrate concentrations greater than 5.0 ppm were located in alluvial aquifers. The one exception was one well on the eastern edge of the county

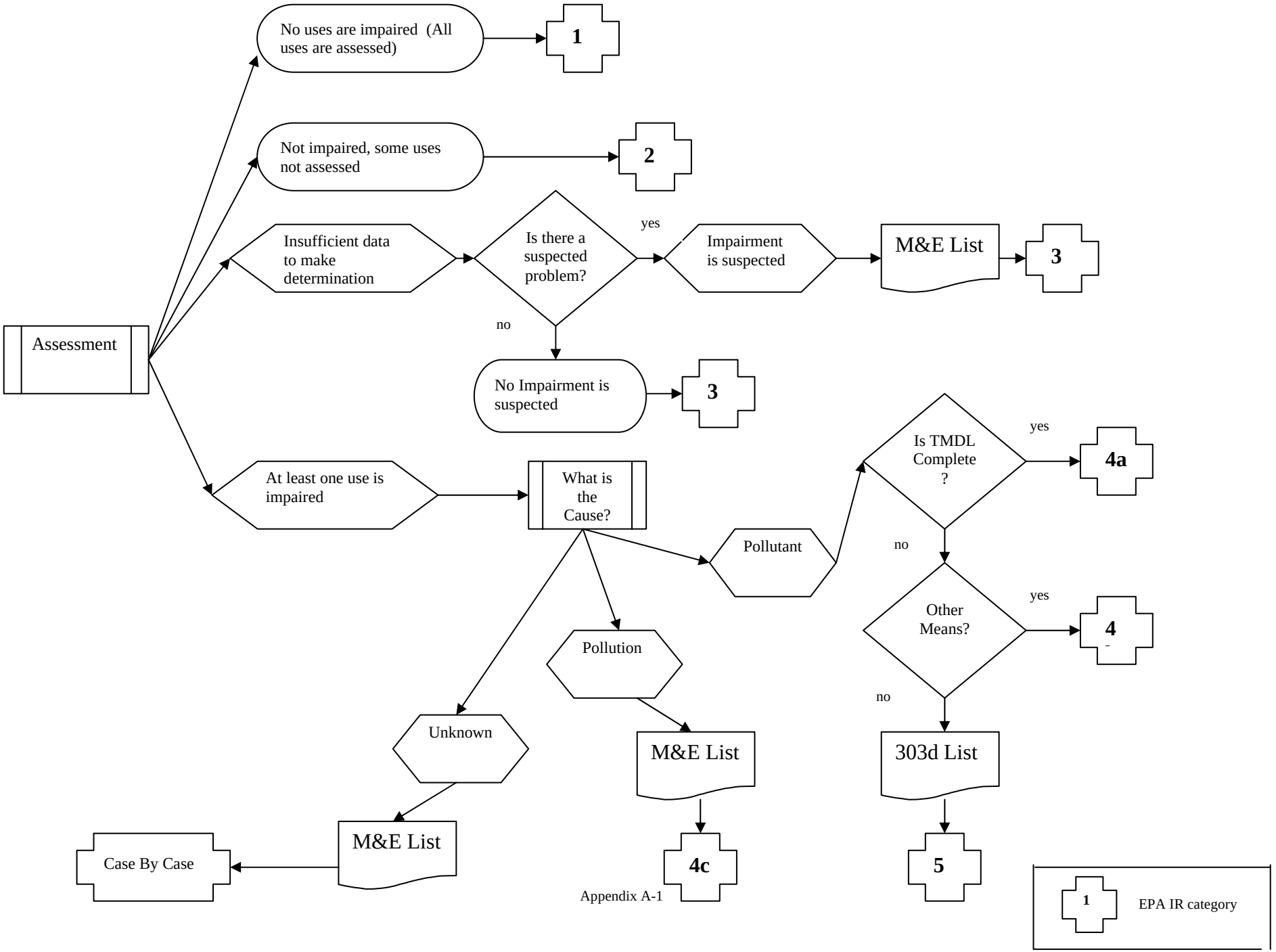


which was located in the Laramie-Fox Hills aquifer. Of the six wells located in alluvial aquifers, with concentrations greater than 5.0 ppm, all were located in areas that have numerous potential non-point sources for nitrate contamination including septic leach field discharge, agricultural runoff and leaching, or urban runoff.

Figure 7 – Distribution of nitrate results for 49 wells sampled in El Paso County in 2006. All wells with concentrations above 7.5 ppm are located in areas under the influence of various potential non-point sources for nitrate contamination.

Nitrate contamination does not appear to be a widespread problem based on the results of the reconnaissance investigation. However, as is the case with reconnaissance investigations, the relatively low-density distribution of samples cannot be utilized to draw site-specific conclusions. Further monitoring with a higher sampling density would be required to identify any site-specific nitrate contamination. Given the results of our sampling, the Program has not found anything that would necessitate a follow up investigation. El Paso County therefore, is a low priority, with respect to additional monitoring for potential agricultural chemical impacts to ground water. As always, the Program will continue to assess data concerning agricultural practices in the area and may increase future monitoring if future developments warrant increased monitoring.

Appendix A: Colorado's Decision Tree to EPA Integrated Reporting ("IR") Categories



Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARCI01_4800	Carrizo Creek Tributaries	465.21	MILES	FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Agriculture			1
COARCI01_4900	Cimarron River - Mainstem & Tributaries	470.60	MILES	FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Agriculture			1
COARCI01_5000	Cimarron River -North Fork	160.88	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation			1
COARCI02_4800	Carrizo Creek - Mainstem	98.42	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation			1
COARFO01_3500	Fountain Creek - Source to Monument Creek	165.42	MILES	NS - Secondary Contact Recreation, NS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture	E.coli, Selenium	Unknown, Mineralization	5
COARFO01b	Severy Creek	3.85	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply			3
COARFO02A_3500	Fountain Creek - Monument Creek to Hwy 47	40.28	MILES	NS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Water Supply, FS - Agriculture	E.coli, Selenium	Unknown, Mineralization	5
COARFO02B_3500	Fountain Creek -Hwy 47 to Arkansas River	14.45	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation, FS - Water Supply	Selenium	Mineralization	5
COARFO03_3500	Fountain Creek -all tribs on NF or Air Force Academy lands	179.59	MILES	NA - Primary Contact Recreation, FS - Water Supply, II - Aquatic Life Cold 1, FS - Agriculture			2
COARFO03b	Bear Creek	3.66	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation			3
COARFO04_3500	Fountain Creek -all tribs not on NF or AF Academy lands	859.94	MILES	NA - Aquatic Life Warm 2, NS - Primary Contact Recreation, NA - Agriculture	E.coli	Impairment Unknown	5
COARFO05_3500	Marshland, Jimmy Creek & unnamed tributary	5.77	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 1			3
COARFO06_3500	Monument Creek -NF boundry to Fountain Creek	27.20	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium	Impairment Unknown	5
COARLA01A_3400	Arkansas River -Fountain Creek to near Avondale	16.46	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COARLA01A_3700	Arkansas River - Avondale to Colorado Canal	5.93	MILES	NS - Water Supply, NA - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium, sulfate	Mineralization	5
COARLA01B_3700	Arkansas River - Colorado Canal to West of Las Animas	89.19	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, NA - Agriculture, FS - Water Supply	Selenium	Mineralization	5
COARLA01B_4100	Arkansas River - West of Las Animas to J. Martin Reservoir	11.55	MILES	NA - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Water Supply	Selenium	Mineralization	5
COARLA01C_4100	Arkansas River Below J. Martin Reservoir	62.49	MILES	NS - Aquatic Life Warm 2, NS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation	Uranium, Selenium	Mineralization	5
COARLA02_5200	Little Bear Creek	540.48	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARLA02a_3800	Huerfano River & Tributaries	1153.39	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COARLA02a_3900	Apishapa River Tributaries	734.18	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COARLA02a_4000	Horse Creek	740.47	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COARLA02a_4100	Arkansas River tributaries	1919.16	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2			3
COARLA02a_4200	Purgatoire River tributaries	1925.27	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COARLA02a_4300	Big Sandy Creek	1450.66	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COARLA02a_4400	Rush Creek	520.35	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2			3
COARLA02a_4500	Butte Creek	494.09	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COARLA02a_4700	White Woman Creek	114.14	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COARLA02a_5100	Unnamed tributary to Arkansas River	323.28	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COARLA02b_3700	Arkansas River Tributaries	1038.19	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COARLA03a_3900	Apishapa River - Source to Interstate 25	138.96	MILES	NA - Water Supply, NA - Agriculture, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COARLA03b_00	Apishapa Tribs	857.00	MILES	NA - Water Supply, NA - Agriculture, NA - Aquatic Life Warm 2, NA - Seconday Contact Recreation			3
COARLA03c_3900	Unnamed tributary of Jarosa Canyon Creek	8.40	MILES	NA - Aquatic Life Cold 2, NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation			3
COARLA04_3700	Timpas Creek	67.44	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Iron, Selenium	Mineralization	5
COARLA04_3900	Apishapa River -mainstem	101.71	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Selenium	Mineralization	5
COARLA04_4200	Unnamed tributary to the Apishapa River.	25.00	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COARLA05A_4200	Purgatoire River -North, South, Middle Forks of	202.54	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation	Selenium	Mineralization	5
COARLA06_4200	Purgatoire River tributaries above I-25	407.30	MILES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation, NA - Agriculture			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARLA07_4200	Purgatoire River - I-25 to Arkansas River	178.66	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium	Impairment Unknown	5
COARLA08_5300	Ricardo Creek	6.01	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation			3
COARLA08_5301	Vermejo Creek and tributaries	15.07	MILES	NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture			3
COARLA08_5302	Canadian River	3.14	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COARLA08_5303	Chicorica Creek	7.16	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Agriculture, NA - Water Supply			3
COARLA08_5304	Schwachheim and Segerstrom Creeks	11.95	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation			3
COARLA09A_4000	Horse Creek mainstem to Arkansas River	132.91	MILES	NS - Aquatic Life Warm 1, NA - Agriculture, NA - Primary Contact Recreation	Iron, Selenium	Mineralization	5
COARLA09A_4100	Adobe & Gageby Creeks, West May Valley drain, Willow Creek	112.10	MILES	FS - Agriculture, NS - Primary Contact Recreation, NS - Aquatic Life Warm 1	Selenium, E.coli	Impairment Unknown	5
COARLA09A_4300	Big Sandy Creek headwaters	25.01	MILES	NS - Aquatic Life Warm 1, NA - Primary Contact Recreation, NA - Agriculture	Selenium	Mineralization	5
COARLA09A_4400	Rush Creek upper tributaries	182.39	MILES	NS - Aquatic Life Warm 1, NA - Primary Contact Recreation, NA - Agriculture	Selenium	Mineralization	5
COARLA09B_3700	Bob Creek	25.19	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COARLA09B_4000	Breckenridge Creek & Little Horse Creek	83.80	MILES	NS - Aquatic Life Warm 2, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Mineralization	5
COARLA09B_4100	Wild Horse, Buffalo & Wolf Creeks	67.13	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Selenium	Mineralization	5
COARLA09b_4300	Unnamed tributary to the Lower Arkansas River.	13.47	MILES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COARLA09B_4400	Apache Creek	16.74	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium	Mineralization	5
COARLA09C_3700	Chicosa Creek	27.51	MILES	FS - Agriculture, NA - Primary Contact Recreation, NS - Aquatic Life Warm 2	Iron, Selenium	Mineralization	5
COARLA09C_3900	Mustang Creek & Smith Canyon	36.62	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3
COARLA09C_4100	Rule, Muddy, Caddoa, Clay & Cat Creeks	172.17	MILES	II - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
COARLA09C_4200	Trinchera Creek	24.08	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARLA09C_4500	Two Butte Creek	141.92	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COARMA02_3400	Arkansas River -mainstem	6.94	MILES	FS - Primary Contact Recreation, NA - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			2
COARMA03_3400	Arkansas River -mainstem	3.07	MILES	FS - Agriculture, FS - Aquatic Life Warm 1, FS - Water Supply, FS - Primary Contact Recreation			1
COARMA04a_3405	Wildhorse Creek	50.00	MILES	II - Agriculture, NS - Primary Contact Recreation, FS - Aquatic Life Cold 1	E.coli, nitrate/nitrite	Impairment Unknown	5
COARMA04b_00	Rock Creek, Salt Creek and Peck Creek	85.00	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COARMA04c_00	Chico Creek	56.00	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 1, NA - Agriculture			3
COARMA04d_3400	Tribs to Arkansas River, Pueblo Rsvr to CO canal	567.10	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COARMA04e	Golf Course Wash	2.20	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3
COARMA05_3400	St. Charles River	247.53	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COARMA06_3400	St. Charles River	30.44	MILES	FS - Primary Contact Recreation, FS - Water Supply, II - Agriculture, NS - Aquatic Life Warm 2	Selenium, Uranium	Mining	5
COARMA07_3400	Greenhorn Creek w/ tributaries	31.31	MILES	II - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply	Copper, Zinc		2
COARMA09_3400	Greenhorn Creek to confluence with St. Charles River	25.87	MILES	FS - Water Supply, FS - Secondary Contact Recreation, II - Aquatic Life Warm 2, FS - Agriculture	Selenium	Mineralization	2
COARMA10_3400	Sixmile Creek	42.60	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Iron, Selenium	Mineralization	5
COARMA11_3800	Huerfano River	135.58	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation			3
COARMA12_3800	Huerfano River -Muddy Crk to confluence	91.32	MILES	NS - Aquatic Life Warm 2, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Impairment Unknown	5
COARMA13_3800	Cucharas River -all tribs to WS diversion	277.69	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COARMA14_3800	Cucharas River -WS div past reservoir	36.09	MILES	FS - Agriculture, II - Primary Contact Recreation, NS - Aquatic Life Warm 1	Selenium, Ecoli	Impairment Unknown	5
COARMA15_3800	Cucharas River -reservior to confluence	18.03	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COARMA17_3800	Apache Creek -South	5.29	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARMA18a_00	Boggs Creek	18.00	MILES	NS - Aquatic Life Warm 1, NS - Agriculture, NS - Water Supply, FS - Primary Contact Recreation	Selenium, Uranium, Zinc	Mining	5
COARMA18b_3400	Turkey Creek & others	31.74	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Warm 1			3
COARUA01A_3300	Mount Massive and Collegiate Peaks Wilderness areas	84.87	MILES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COARUA01B_3300	East Fork of the Arkansas River source to Birdseye Gulch.	9.11	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation	Lead, Zinc	Mining	4A
COARUA02A_3300	Arkansas River, Main & East Fork - Birdseye to California	11.17	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, NA - Primary Contact Recreation, NS - Agriculture	nitrate/nitrite , Zinc	Mining	5
COARUA02B_3300	Arkansas River - California Gulch to Lake Fork	1.55	MILES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1	Zinc, Cadmium	Mining	5
COARUA02C_3300	Arkansas River -Lake Fork to Lake Creek	10.58	MILES	NA - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Zinc, Cadmium	Mining	5
COARUA03_3300	Arkansas River -blw Lake Creek	110.34	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1	Zinc, Cadmium	Mining	5
COARUA03_3400	Grape Creek: source to Pueblo Reservoir	33.13	MILES	FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply	Zinc, Cadmium	Mining	5
COARUA05_3300	Arkansas River upper tributaries	695.71	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation			1
COARUA05_3301	Halfmoon Creek	23.50	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation, FS - Water Supply	Lead, Cadmium	Mining	5
COARUA06_3300	Calififornia Gulch & St. Kevin's Gulch	10.84	MILES	FS - Secondary Contact Recreation, NA - Agriculture			2
COARUA07_3300	Evans Gulch	5.08	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply	Zinc	Mining	5
COARUA08A_3300	Iowa Gulch abv Asarco WS	4.61	MILES	NA - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2			2
COARUA08B_3300	Iowa Gulch blw Asarco WS	3.96	MILES	NS - Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Agriculture	Cadmium, Lead, Zinc	Mining	5
COARUA09_3300	Iowa Gulch -Paddock Ditch1 to Arkansas River	3.76	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COARUA10_0001	N Fk Lake Creek diversion tunnel to confluence	2.40	MILES	FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1, NS - Primary Contact Recreation	pH , Copper, Dissolved Oxygen	Mining	5
COARUA10_0002	Lake Creek below S Fk Lake Creek on USFS lands	6.40	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
COARUA10_3300	Lake Creek mainstem & some tributaries	75.92	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARUA11_3300	South Fork of Lake Creek & tribs	17.07	MILES	FS - Secondary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1	Zinc, Cadmium, Aluminum , Copper, pH	Mining	5
COARUA12A_00	Chalk Creek	25.56	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply	Zinc, Lead	Mining	5
COARUA12B_3300	Cottonwood Creek & S. Fork Arkansas tributaries	216.42	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COARUA13_3300	Arkansas River -NF tribs btw Browns Crk to Grape Crk	270.31	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COARUA13_3400	Arkansas River NF tribs Grape Crk to Pueblo Res.	132.58	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COARUA14a_00	Big Red, Little Red, Rush and Hardscrabble Crks	145.00	MILES	NA - Agriculture, NA- Aquatic Life War,m 2, NA - Primary Contact Recreation			3
COARUA14b_3300	Arkansas River -Non NF tribs btw Browns Crk & Grape Crk	1220.06	MILES	FS- Aquatic Life Cold 2, FS - Agriculture, FS - Secondary Contact Recreation			1
COARUA14b_3400	Arkansas River Non NF tribs Grape Crk to Pueblo Res.	763.93	MILES	FS - Agriculture, FS- Aquatic Life Cold 2, FS - Secondary Contact Recreation			1
COARUA15_3300	Grape, Texas, Badger, Hayden, Hamilton,Stout, & Big Cottonwo	503.75	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COARUA16A_3300	Middle Tallahassee Creek, upper	2.60	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply, FS - Aquatic Life Cold 1			2
COARUA16B_3300	Tallahassee Crk -N, S & Middle	31.10	MILES	NA - Agriculture, NA - Aquatic Life Cold 2, NA - Water Supply, NA - Primary Contact Recreation			3
COARUA16C_3300	Tallahasse Creek to confluence	8.80	MILES	FS - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			2
COARUA17A_3300	Cottonwood Creek abv N. Waugh Creek	44.36	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation			3
COARUA17B_3300	Cottonwood Creek blw N. Waugh Creek	60.20	MILES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation, NA - Agriculture			3
COARUA17C_3300	Cottonwood Creek abv Currant Creek	32.61	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply			3
COARUA18_3300	Currant Creek mainstem	157.29	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COARUA19_3400	Fourmile Creek abv Cripple Creek	293.05	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COARUA20_3400	Fourmile Creek blw Cripple Creek	170.52	MILES	FS - Agriculture, FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Water Supply			2
COARUA21_3400	Cripple Creek	4.93	MILES	FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Agriculture			1

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COARUA21_343D	Cripple Crk -Arequa to Fourmile Creek	4.76	MILES	FS - Primary Contact Recreation, FS- Aquatic Life Cold 2, FS - Agriculture			1
COARUA22A_3400	Arequa Gulch -source to Cripple Creek	1.36	MILES	NA - Secondary Contact Recreation, FS- Aquatic Life Cold 2, FS - Agriculture			2
COARUA22B_3400	Squaw Gulch	1.38	MILES	NA - Aquatic Life Cold 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COARUA23_3400	Wilson Creek	9.34	MILES	FS - Water Supply, NA - Primary Contact Recreation, FS- Aquatic Life Cold 2, FS - Agriculture			2
COARUA24_1000	Middle Beaver Creek	7.20	MILES	NA - Water Supply, NA - Agriculture, II - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COARUA24_3400	Beaver Creek, East, West & mainstem to diversion point	145.27	MILES	NA - Primary Contact Recreation, FS - Aquatic Life Cold 1, NA - Water Supply, FS - Agriculture			2
COARUA25_3300	Cottonwood Creek (Custer County)	3.72	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COARUA26_3400	Beaver Creek blw diversion	10.90	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, NA - Primary Contact Recreation			2
COARUA27_3400	Eightmile Creek	75.14	MILES	NA - Primary Contact Recreation, NA - Agriculture, FS - Aquatic Life Cold 1, NA - Water Supply			2
COGULD01_7400	Dolores River	61.76	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			5
COGULD02_7400	Dolores River	48.35	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 1			5
COGULD02_7600	Dolores River	43.01	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 1, FS - Agriculture			5
COGULD03_7400	Dolores River, tributaries	893.60	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGULD03_7600	Dolores River tributaries	695.65	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COGULD03a_7400	Unnnamed tributary to Gunnison River	915.70	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply			3
COGULD03a_7600	Unnamed tributary to the Gunnison River	557.69	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COGULD03b_7600	Unnamed tributary to the Gunnison River	29.14	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COGULD04_7400	West Paradox Creek	12.48	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COGULD04_7600	Unnamed tributary to the West Paradox Creek	116.50	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGULD05_7400	West Creek, La Sal Creek and Mesa Creek	11.29	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COGULD05_7600	West Creek, La Sal Creek and Mesa Creek	40.73	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COGULG01_6800	Gunnison River	30.71	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGULG01_7100	Gunnison River	20.12	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COGULG02_7100	Gunnison River -Uncompaghre to Colorado	58.66	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Selenium	Agriculture	5
COGULG03_7100	Gunnison River tributaries	617.14	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COGULG04a_6800	Gunnison River Tributaries	103.45	MILES	NS - Water Supply, NS - Aquatic Life Warm 2, NS - Agriculture, FS - Secondary Contact Recreation	Selenium	Agriculture	5
COGULG04a_7100	Gunnison River Tributaries	1242.57	MILES	NS - Aquatic Life Warm 2, NS - Water Supply, FS - Secondary Contact Recreation, NS - Agriculture	Selenium	Agriculture	5
COGULG04b_00	Gunnison River Tributaries	7.50	MILES	FS - Water Supply, NS - Aquatic Life Warm 2, NS - Agriculture, FS - Primary Contact Recreation	Selenium	Agriculture	5
COGULG04c_6800	Tributary to Red Rock Creek	3.82	MILES	NS - Agriculture, NA - Primary Contact Recreation, NS - Aquatic Life Warm 2, NS - Water Supply	Selenium	Agriculture	5
COGULG05_7100	Roubideau, Monitor, and North Fork Escalante Creeks	25.08	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COGULG06_7100	Roubideau, Escalante, Little Dominguez, Big Dominguez, and E	76.66	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COGULG07_7001	Tongue Creek	10.00	MILES	NA - Primary Contact Recreation, II - Aquatic Life Cold 2, NA - Agriculture	Selenium	Mineralization	3
COGULG07_7100	Surface, Ward, Youngs, Kiser creeks	32.98	MILES	II - Aquatic Life Cold 2, FS - Agriculture, FS - Primary Contact Recreation	Iron, Selenium	Mineralization	2
COGULG08_7100	Surface Creek and Kannah Creek, Fruita Water Supply Reservoi	15.98	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COGULG08_7300	Surface Creek and Kannah Creek, Fruita Water Supply Reservoi	0.59	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COGULG10_6800	Smith Fork	23.99	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COGULG11_1000	Lunch Creek	2.00	MILES	II - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture	Sediment	Mining	3
COGULG11_6800	Smith Fork tributaries	49.28	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGULG12_6800	Smith Fork tributaries	145.76	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COGUNF01_7000	Gunnison River, North Fork tributaries	133.58	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGUNF02_7000	Gunnison River, North Fork	17.17	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COGUNF03_7000	Gunnison River - North Fork, Black Bridge to confluence	18.59	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Unknown	5
COGUNF04_7000	Gunnison River, North Fork tributaries	516.83	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COGUNF05_7000	Hubbard, Terror, Minnesota & Leroux Creeks	13.98	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Selenium	Unknown	5
COGUNF05_703D	Hubbard, Terror, Minnesota & Leroux Creeks	29.92	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Selenium	Unknown	5
COGUNF06a_7000	Gunnison River, North Fork tributaries	228.22	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Selenium	Unknown	5
COGUNF06b_70001	Cottonwood Creek	12.00	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Selenium	Unknown	5
COGUSM01_7500	Lizzard Head & Mt. Sneffels Wilderness -streams, lakes & tri	27.05	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COGUSM02_7500	San Miguel River tributaries	161.28	MILES	FS - Water Supply, FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Agriculture	Cadmium	Mining	2
COGUSM03A_7500	San Miguel River -Bridal Vail/Ingram Creeks to Marshall Crk	0.41	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Zinc	Mining	5
COGUSM03B_7500	San Miguel River -Marshall Crk to S. Fork San Miguel River	7.51	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Sediment, Zinc, Cadmium	Mining	5
COGUSM04_7500	San Miguel River	65.94	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COGUSM05_7500	San Miguel River	22.74	MILES	FS - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture			1
COGUSM06A_7500	Ingram Creek	3.21	MILES	NA - Primary Contact Recreation, NS - Aquatic Life Cold 2, NA - Agriculture	Zinc	Mining	5
COGUSM06B_7500	Marshall Creek	1.52	MILES	NS - Agriculture, NS - Aquatic Life Cold 2, FS - Primary Contact Recreation	Zinc	Mining	5
COGUSM07A_7500	Howard Fork	9.16	MILES	II - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation	Iron	Mining	2
COGUSM07B_7500	Waterfall Creek	2.78	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGUSM08_7500	South Fork	6.49	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COGUSM09_7500	San Miguel River tributaries	457.81	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGUSM10_7500	Naturita Creek and Tabeguache Creek	52.79	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COGUSM11_7500	Naturita Creek, west fork and Beaver, Horsefly and Saltado C	37.57	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COGUSM12_7500	San Miguel River tributaries	970.14	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2			1
COGUUG01_6800	Tributaries in LaGarita Wilderness Area	49.99	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COGUUG01_6900	Tributaries in LaGarita Wilderness Area	31.74	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COGUUG02_6700	Gunnison River tributaries	75.33	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COGUUG02_6800	Gunnison River tributaries	80.88	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGUUG03_6800	Gunnison River tributaries	60.86	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COGUUG04_6700	Taylor River	453.85	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COGUUG05_6700	East River	89.93	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COGUUG06A_6700	East River trubutaries	41.74	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS- Aquatic Life Cold 2			1
COGUUG06B_6700	Cement Creek	36.60	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COGUUG07_6700	Slate River	16.24	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1	Zinc	Mining	5
COGUUG08_6700	Slate River -u/s Coal Creek to confluence with East River	5.58	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Cadmium, Zinc	Mining	5
COGUUG09_6700	Slate River tributaries	37.68	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COGUUG10_6700	Oh-Be-Joyful Creek	1.92	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Copper, Lead, Zinc, Cadmium	Mining	5
COGUUG11_6700	Coal Creek	5.73	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1	Lead, Zinc, Cadmium	Mining	5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGUUG12_6700	Coal Creek	5.32	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1	Zinc, Cadmium	Mining	5
COGUUG13a_00	Woods Creek	0.40	MILES	FS - Agriculture, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Water Supply			1
COGUUG13b_00	Woods Creek	0.70	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 2, NA - Water Supply			1
COGUUG14_6800	Gunnison River	24.28	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COGUUG15_6800	Gunnison River	153.00	MILES	FS- Aquatic Life Cold 2, FS - Water Supply, FS - Agriculture, FS - Secondary Contact Recreation			1
COGUUG15_6900	Gunnison River	148.60	MILES	FS- Aquatic Life Cold 2, FS - Water Supply, FS - Secondary Contact Recreation, FS - Agriculture			1
COGUUG16_6800	Ohio Creek	156.97	MILES	FS - Agriculture, FS - Water Supply, II - Aquatic Life Cold 1, FS - Primary Contact Recreation	Zinc	Mining	2
COGUUG17_6800	Antelope Creek	31.40	MILES	FS - Primary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 2, FS - Water Supply	Dissolved Oxygen	Impairment Unkown	2
COGUUG18_6900	Tomichi Creek	66.86	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, II - Primary Contact Recreation	E.coli	Impairment Unkown	2
COGUUG19_6900	Tomichi Creek tributaries	314.99	MILES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COGUUG20_6900	Indian Creek	2.99	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COGUUG21_6900	Marshall Creek	39.83	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGUUG22_6900	Gold Creek	3.65	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COGUUG23_6900	Cochetopa Creek	237.70	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COGUUG24_6900	Cochetopa Creek	66.54	MILES	NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture			3
COGUUG26_6800	Blue Mesa, Morrow Point and Crystal Reservoir tributaries	1015.20	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COGUUG26_6801	Red Rock Canyon	4.00	MILES	II - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture			3
COGUUG26_6802	Camp Creek	12.80	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COGUUG29_6800	Gunnison, Lake Fork	215.65	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGUUG29a_6800	Unnamed tributary to the Lake Fork of the Gunnison.	185.24	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, II - Aquatic Life Cold 1	Copper, Cadmium, Manganese, Zinc	Mining	2
COGUUG30_6800	Henson Creek	40.09	MILES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Water Supply	Zinc, Cadmium	Mining	2
COGUUG31_00	Palmetto Gulch	0.50	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 2, FS Agriculture	Cadmium, Zinc	Mining	5
COGUUG32_6800	Henson Creek, North Fork	6.91	MILES	NA - Agriculture, II - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Water Supply	Zinc, Lead	Mining	3
COGUUN01_7200	Uncompahgre River Tributaries	40.18	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COGUUN02_7200	Uncompahgre River	5.52	MILES	NS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Agriculture, FS - Water Supply	Copper, Zinc, Cadmium	Mining	5
COGUUN03_7200	Uncompahgre River -Ridgway Reseroir to Hwy 550	24.92	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Water Supply	Cadmium, Copper	Highway, road, bridge runoff	5
COGUUN03_7201	Uncompahgre River -Red Mtn Creek to Ridgway Reservoir	15.00	MILES	FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Iron Copper, Cadmium	Mining	5
COGUUN04A_7200	Uncompahgre River -below Hwy 550	3.00	MILES	FS - Agriculture, II - Aquatic Life Warm 2, FS - Secondary Contact Recreation			2
COGUUN04B_00	Uncompahgre River - La Salle Road to Confluence Park	27.50	MILES	NS - Aquatic Life Warm 2, FS - Secondary Contact Recreation, FS - Agriculture	Selenium	Agriculture	5
COGUUN04C_00	Uncompahgre River from Confluence Park to Gunnison River	1.00	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Agriculture	5
COGUUN05_7200	Uncompahgre River tributaries	41.05	MILES	FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation			1
COGUUN06A_7200	Red Mountain Creek	7.51	MILES	NS - Aquatic Life Cold 2, FS - Agriculture, FS - Secondary Contact Recreation	Zinc	Mining	5
COGUUN06B_00	Lower Red Mountain Creek	4.00	MILES	NA - Agriculture, NA - Secondary Contact Recreation			3
COGUUN07_7200	Gray Copper Gulch	2.32	MILES	FS - Water Supply, FS - Secondary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 2	Iron	Mining	2
COGUUN08_7200	Mineral Creek	3.13	MILES	NA - Water Supply, NA - Agriculture, II - Aquatic Life Cold 2, NA - Secondary Contact Recreation			3
COGUUN09_7200	Canyon, Imogene & Sneffels Creeks	9.21	MILES	FS - Agriculture, II - Aquatic Life Cold 2, FS - Primary Contact Recreation	Zinc	Mining	2
COGUUN10_7200	Uncompahgre River tributaries	128.04	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, II - Aquatic Life Cold 2	Selenium	Mineralization	3
COGUUN11_7200	Coal Creek and others	164.47	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, II - Aquatic Life Cold 1	Selenium	Mineralization	2

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COGUUN12_7200	Uncompahgre River tributaries	653.84	MILES	FS - Secondary Contact Recreation, NS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Agriculture	5
COGUUN13_7200	Dry Creek, east and west forks	51.96	MILES	FS- Aquatic Life Cold 2, FS - Secondary Contact Recreation, FS - Agriculture			1
COGUUN15A_7200	Happy Canyon, Horsefly Creek, Dry Creek	23.30	MILES	FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Agriculture			1
COGUUN15B_00	Dry Creek	8.00	MILES	NA - Primary Contact Recreation, NA - Agriculture, II - Aquatic Life Warm 2	Sediment	Mineralization	3
COLCLC01_6500	Colorado River -Roaring Fork to Parachute Creek	50.53	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLC02_6500	Colorado River -Parachute Creek to Gunnison River	53.76	MILES	FS - Agriculture, FS - Water Supply, NS - Aquatic Life Warm 1, FS - Primary Contact Recreation	Selenium	Mineralization	5
COLCLC03_6500	Colorado River	41.32	MILES	NS - Aquatic Life Warm 1, FS - Agriculture, FS - Primary Contact Recreation	Selenium, Iron	Mineralization	5
COLCLC04a_6500	Colorado River tributaries	808.82	MILES	FS - Secondary Contact Recreation, NA - Agriculture, NS - Aquatic Life Cold 2, FS - Water Supply	Ecoli, Iron, Selenium		5
COLCLC04_6501	Alkali Creek	7.60	MILES	NS - Aquatic Life Cold 2, NA - Agriculture, FS - Secondary Contact Recreation, FS - Water Supply	Selenium	Mineralization	5
COLCLC04b_6500	Unnamed tributary to South Canyon Hot Springs.	9.96	MILES	FS - Primary Contact Recreation, II - Aquatic Life Warm 2	Dissolved Oxygen, Selenium	Mineralization	2
COLCLC05_6500	Colorado River tributaries	371.53	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COLCLC06_6500	Oasis Creek	2.49	MILES	NA - Secondary Contact Recreation, NA - Water Supply, NA - Agriculture, NA - Aquatic Life Cold 2			3
COLCLC07_6500	Mitchell, Canyon, Elk, Garfield, Divide, Beaver, Cache, and	269.35	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COLCLC08_6600	Northwater and Trapper Creeks	22.23	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, NA - Secondary Contact Recreation			2
COLCLC09_6500	Rifle Creek	117.81	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COLCLC09a_6500	Unnamed tributary to Rifle Creek.	143.96	MILES	FS - Agriculture, II - Aquatic Life Cold 1, FS - Secondary Contact Recreation	Iron	Mining	2
COLCLC10_00	Rifle Creek	5.00	MILES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Agriculture, II - Primary Contact Recreation	E.coli, Selenium	Mineralization	5
COLCLC11A_6600	Parachute Creek, West Fork	28.59	MILES	NA - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			2
COLCLC11B_6600	Parachute Creek, West Fork	5.39	MILES	FS - Secondary Contact Recreation, FS - Agriculture, FS- Aquatic Life Cold 2			1

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COLCLC11C_6600	Parachute Creek, Middle Fork	18.14	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 2			3
COLCLC11D_6600	Parachute Creek, East Middle Fork	21.40	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation			1
COLCLC11E_6600	Parachute Creek, East Fork	3.74	MILES	NA - Agriculture, NA - Water Supply, NA - Secondary Contact Recreation, NA - Aquatic Life Cold 2			3
COLCLC11F_6600	Parachute Creek, East Fork	1.11	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Secondary Contact Recreation			1
COLCLC11g_00	Parachute Creek tributaries	10.00	MILES	NA - Agriculture, NA - Aquatic Life Cold 2, NA - Secondary Contact Recreation			3
COLCLC11h_00	Parachute Creek	11.00	MILES	FS - Agriculture, II - Aquatic Life Cold 2, FS - Primary Contact Recreation	Iron	Mining	2
COLCLC12_6600	Parachute Creek, East Fork tributaries	18.08	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Secondary Contact Recreation			3
COLCLC13a_6500	Colorado River -all tribs blw Parachute Creek	1480.00	MILES	FS - Aquatic Life Cold 1, NA - Primary Contact Recreation, FS - Agriculture			2
COLCLC13a_6501	Salt Creek	1.00	MILES	NS - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation	Sediment	Mining	5
COLCLC13a_6600	Roan Creek & tribs blw Clear Creek	459.97	MILES	NA - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			2
COLCLC13a_7300	Little Dolores and tributaries	430.97	MILES	NA - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			2
COLCLC13b_00	Colorado River Tributaries	464.00	MILES	NS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium, E.coli, Iron	Mining	5
COLCLC14a_6600	Roan Creek	138.37	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLC14B_00	Roan Creek	43.00	MILES	II - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, II - Aquatic Life Warm 1	E.coli, Iron	Impairment Unkown	2
COLCLC14B_01	Dry Fork	27.00	MILES	NS - Aquatic Life Warm 1, II - Primary Contact Recreation, FS - Agriculture, FS - Water Supply	Selenium	Mineralization	5
COLCLC15_6500	Plateau & Buzzard Creeks with tributaries	479.11	MILES	FS - Agriculture, II - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation	Selenium, iron	Mineralization	2
COLCLC17_6500	Rapid Creek	31.01	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COLCLC18_7300	Little Dolores River	17.37	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply			3
COLCLY01_8000	Yampa River	24.20	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COLCLY01_8100	Yampa River	46.38	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COLCLY02_7800	Yampa River	1.38	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 1, FS - Water Supply	Iron	Mining	5
COLCLY02_8100	Yampa River	91.00	MILES	NS - Aquatic Life Warm 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation	Iron	Mining	5
COLCLY02_8600	Yampa River	3.36	MILES	FS - Agriculture, NS - Aquatic Life Warm 1, FS - Water Supply, FS - Primary Contact Recreation	Iron	Mining	5
COLCLY03A_8000	Yampa River Tributaries	458.14	MILES	FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLY03A_8100	Yampa River Tributaries	585.61	MILES	FS - Agriculture, FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1			1
COLCLY03B_8000	Johnson Gultch, Pyeatt Gulch, Ute Gulch, Castor Gulch, No Na	17.62	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COLCLY03b_8100	Unnamed tributary to the Lower Yampa River.	96.05	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COLCLY03c_00	Milk Creek and all tributaries	80.00	MILES	II - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply	Selenium, Iron Copper, Zinc	Mining	2
COLCLY03d_00	Temple and Morgan Gulches, Lay Creek	55.00	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COLCLY03e_00	Good Spring and Wilson Creeks	100.00	MILES	FS - Water Supply, II - Aquatic Life Warm 2, FS - Agriculture, FS - Primary Contact Recreation	Selenium	Mineralization	2
COLCLY03f_00	Big Gulch	7.00	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
COLCLY04_8000	Fortification Creek, south fork	9.73	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Agriculture, NA - Water Supply			3
COLCLY05_8000	Fortification Creek	41.40	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 1, FS - Agriculture	Selenium	Mineralization	5
COLCLY06a_8000	Fortification Creek Tributaries	280.12	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLY07_8000	Little Bear Creek	40.11	MILES	FS - Agriculture, II - Aquatic Life Cold 1, FS - Primary Contact Recreation	Copper, Zinc	Mining	2
COLCLY08_00	East Fork of the Williams Fork River in Flat Tops Wilderness	22.00	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COLCLY09_8000	Williams Fork River, East Fork	88.10	MILES	NA - Water Supply, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Agriculture			3
COLCLY10_8000	Williams Fork River, East Fork	31.61	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COLCLY11_8000	Williams Fork River,South Fork	68.73	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COLCLY12a_8000	Williams Fork River,South Fork	21.34	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COLCLY12a_8100	Williams Fork River,South Fork	73.09	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COLCLY13A_8000	Williams Fork River	80.45	MILES	FS- Aquatic Life Cold 2, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COLCLY13B_8000	Williams Fork River and Morapos Creek	28.62	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLY14_8100	Yampa River tributaries	1204.16	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation			1
COLCLY14_8600	Yampa River tributaries	38.34	MILES	FS - Secondary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COLCLY15_5600	Little Snake River	39.18	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLY16_8100	Little Snake River	2.33	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Iron	Mining	5
COLCLY16_5600	Little Snake River	67.49	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Iron	Mining	5
COLCLY17a_8200	Little Snake River tributaries	1171.70	MILES	II - Aquatic Life Cold 1, II - Primary Contact Recreation, FS - Agriculture	Iron E.coli	Mining	2
colcly17B_00	Ltlle Snake Tributaries	366.60	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Cold 2			3
COLCLY18_8200	Slater Creek	101.79	MILES	II - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply	Selenium	Mineralization	2
COLCLY19_7800	Green River	38.52	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCLY19_8600	Green River	11.92	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COLCLY20_7800	Green River and Yampa River Tributaries	334.35	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COLCLY20_8100	Unnamed tributary to the Green River.	527.78	MILES	NA - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
COLCLY20_8600	Green River and Yampa River Tributaries	35.21	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COLCLY21_7800	Beaver Creek	62.69	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COLCLY22a_7900	Vermillion Creek	48.36	MILES	FS - Aquatic Life Cold 1, NA - Secondary Contact Recreation, FS - Agriculture			2
COLCLY22b_00	Lower Vermillion Creek	9.00	MILES	II - Aquatic Life Warm 2, FS - Agriculture, II - Primary Contact Recreation	E.coli, Iron	Mining	2
COLCWH01_8300	White River tributaries	329.31	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COLCWH03_8300	White River	38.48	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COLCWH04_8300	White River tributaries	256.12	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COLCWH04_8300LC	White River tributaries - Lost Creek	13.22	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COLCWH06_8300	White River, South Fork	78.39	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COLCWH07_8300	White River -u/s Miller Creek to Piceance Creek	45.18	MILES	FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture	Copper	Mining	2
COLCWH08_8300	White River tributaries	272.25	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture			3
COLCWH09a_8300	White River tributaries	710.55	MILES	FS - Agriculture, II - Aquatic Life Cold 2, FS - Water Supply, FS - Secondary Contact Recreation	Zinc, Copper	Mining	2
COLCWH09b_00	Sulphur Creek	22.50	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 2, FS - Agriculture	Selenium	Mineralization	5
COLCWH09b_01	Flag Creek	12.50	MILES	NS - Aquatic Life Cold 2, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation	Selenium	Mineralization	5
COLCWH10b_8300	Big Beaver Creek, Miller Creek and North Elk Creek	40.50	MILES	FS - Agriculture, II - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply	Selenium	Mineralization	2
COLCWH12_8300	White River	14.73	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Warm 1, FS - Water Supply			1
COLCWH12_8500	White River	36.75	MILES	FS - Aquatic Life Warm 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COLCWH13A_8300	White River tributaries	286.96	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COLCWH13A_8500	White River tributaries	761.07	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COLCWH13B_8400	Yellow Creek	302.15	MILES	FS - Secondary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COLCWH14_8400	Piceance Creek	31.41	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, NA - Primary Contact Recreation			2

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COLCWH15_8400	Piceance Creek	26.90	MILES	FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COLCWH16_8400	Piceance Creek tributaries	512.28	MILES	FS - Aquatic Life Cold 1, II - Secondary Contact Recreation, FS - Agriculture	E.coli	Mining	2
COLCWH17_8400	Stewart Gulch, Willow, Fawn and Dry Fork Creeks	81.87	MILES	FS - Agriculture, FS - Secondary Contact Recreation, FS- Aquatic Life Cold 2			1
COLCWH19_8400	Fawn Creek	7.57	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 2, NA - Agriculture			3
COLCWH20_8400	Black Sulphur and Hunter Creeks	29.03	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, NA - Secondary Contact Recreation			2
COLCWH21_8500	White River -Douglas Creek to Colorado / Utah border	30.67	MILES	FS - Agriculture, FS - Aquatic Life Warm 1, FS - Water Supply, FS - Primary Contact Recreation			1
COLCWH22_8500	White River tributaries	959.30	MILES	NS - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture	Sediment	Mining	5
COLCWH23_8500	East and West Douglas Creeks	58.61	MILES	II - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture	Iron	Mining	2
CORGAL01_5500	Alamosa River tributaries in S. San Juan Wilderness	7.54	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
CORGAL01_5800	Conejos River tribs in S. San Juan Wilderness	129.26	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
CORGAL01_6000	Rio Chama & tribs in S. San Juan Wilderness	4.73	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
CORGAL02_5500	Alamosa River abv Alum Creek	19.08	MILES	FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1, NA - Primary Contact Recreation	Zinc, Other, pH , Copper	Mining	5
CORGAL03A_5500	Alamosa River -Alum Creek to Wightman Fork	3.27	MILES	NA - Primary Contact Recreation, NA - Agriculture, NS - Aquatic Life Cold 2	Lead, Zinc, Copper, Aluminum	Mining	5
CORGAL03B_5500	Alamosa River -Wightman Fork to Fern Creek	4.77	MILES	NS - Aquatic Life Cold 2, NA - Agriculture, NA - Primary Contact Recreation	Cadmium, Copper, pH , Aluminum , Zinc	Mining	5
CORGAL03C_5500	Alamosa River -Fern Creek to Terrace Reservoir	10.51	MILES	NA - Agriculture, NS - Aquatic Life Cold 1, NA - Primary Contact Recreation	Zinc, Aluminum , Copper, pH	Mining	5
CORGAL03d_3500	Mainstem to the Alamosa River	5.08	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation	Copper, pH , Aluminum , Zinc	Runoff	5
CORGAL04A_5500	Alum, Bitter, Burnt & Iron Creeks	16.20	MILES	FS - Agriculture, NA - Primary Contact Recreation			2
CORGAL04B_5500	Iron Creek above South Mountain Creek	4.51	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, NA - Primary Contact Recreation			2
CORGAL05_5500	Wightman Fork -upper	2.20	MILES	FS - Agriculture, NA - Primary Contact Recreation, NS - Aquatic Life Cold 1	pH	Mining	5

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
CORGAL06_5500	Wrightman Fork -lower	20.62	MILES	NA - Primary Contact Recreation, NA - Agriculture			3
CORGAL07_5500	Jasper Creek	3.19	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS-Aquatic Life Cold 2			1
CORGAL09_5500	Alamosa River -Terrace Res. To CO Hwy 15	10.62	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, NS - Agriculture	Copper	Mining	5
CORGAL10_5500	Alamosa River -below CO Hwy 15	5.40	MILES	FS- Aquatic Life Cold 2, FS - Agriculture, NA - Primary Contact Recreation			2
CORGAL11_5500	La Jara Creek -upper	132.25	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
CORGAL12_5500	La Jara Creek -lower	42.84	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
CORGAL13_5500	Hot Creek	13.80	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Cold 1	Iron	Runoff	5
CORGAL14_5800	Conejos River -abv Fox Creek	146.52	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
CORGAL15_5800	Conejos River -Fox Crk to Rio San Antonio	24.34	MILES	FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
CORGAL16_5800	Conejos River -blw Rio San Antonio	17.84	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
CORGAL17_5800	Rio de Los Pinos	60.03	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
CORGAL18_5800	Rio San Antonio -blw Hwy 285	16.72	MILES	NA - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
CORGAL19_6000	Rio Chama	83.83	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
CORGAL20_5500	Rio Grande -NF tributaries	67.98	MILES	II - Aquatic Life Cold 1, FS - Agriculture, II - Primary Contact Recreation, FS - Water Supply	Zinc, Manganese, Iron, Copper, pH	Mining	2
CORGAL20_5800	Rio Grande -NF tributaries	38.36	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
CORGAL21_5500	Rio Grande -all tribs	358.90	MILES	NA - Agriculture, NA - Secondary Contact Recreation			3
CORGAL21_5800	Rio Grande -all tributaries	90.29	MILES	NA - Secondary Contact Recreation, NA - Agriculture			3
CORGCB01_5700	Closed Basin tributaries in the La Garita Wilderness Area	28.62	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, NA - Aquatic Life Cold 1			3
CORGCB02_5700	La Garita & Carnero Creeks	168.11	MILES	FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply	Iron	Mining	2

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
CORGCB03_5600	Closed Basin tributaries	447.35	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
CORGCB03_5700	Closed Basin tributaries	320.95	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
CORGCB04_5600	San Luis Creek to Piney Creek	235.98	MILES	NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 1			3
CORGCB05_5600	San Luis Creek -Piney Creek to San Luis Lake	54.76	MILES	II - Aquatic Life Cold 2, FS - Agriculture, FS - Primary Contact Recreation	Dissolved Oxygen	Mining	2
CORGCB08_5600	Kerber, Squirrel & Brewery Creeks & Elkhorn Gulch	16.40	MILES	FS - Agriculture, NA - Primary Contact Recreation, II - Aquatic Life Cold 1	Copper, Zinc, Cadmium, Iron	Mining	2
CORGCB09A_5600	Kerber Creek -source to above Brewery Creek	11.95	MILES	NA - Agriculture, NS - Water Supply, NA - Primary Contact Recreation	Lead, Silver , Cadmium, pH	Mining	5
CORGCB09B_5600	Kerber Creek -Brewery Creek to San Luis Creek	16.17	MILES	NA - Primary Contact Recreation, NS - Aquatic Life Cold 1, NA - Water Supply, FS - Agriculture	Copper	Mining	5
CORGCB10_5600	Sand & Medano Creeks	89.40	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
CORGCB11_5600	Closed Basin tributaries on NF lands	146.32	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
CORGCB11_5700	Closed Basin tributaries on NF lands	36.89	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
CORGCB12_5700	Saguache Creek & tribs to below Ford Creek	434.10	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
CORGCB12_573D	Hot Springs Creek	4.76	MILES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
CORGCB13_5700a	Saguache & Russel creeks	38.60	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
CORGCB13_5700b	North Branch Saguache Creek	12.10	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, NA - Aquatic Life Warm 2			3
CORGCB14_5700	Closed Basin tributaries	5.73	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
CORGRG01_5400	Rio Grande tributaries in the Weminuche Wilderness Area	176.18	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
CORGRG02_5400	Rio Grande above Willow Creek	380.68	MILES	FS - Agriculture, II - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation	Iron	Mining	2
CORGRG04_5400	Rio Grande -blw Willow Creek to Old Woman Creek	28.78	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture	Zinc, Cadmium	Mining	5
CORGRG04_543D	Rio Grande -below Willow Creek	8.15	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Cold 1	Copper, Cadmium, Zinc	Mining	5

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
CORGRG04_5500	Rio Grande -Old Woman Creek to RG/Alamosa County line	46.32	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
CORGRG05_5400	Rio Grande -all tribs from Willow Creek to Old Woman Creek	315.46	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Zinc, Lead, pH , Cadmium, Copper	Mining	5
CORGRG05_5500	Rio Grande -all tribs from Old Woman Creek to CO Hwy 112	17.05	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
CORGRG06_5400	Willow Creek, West -Deerhorn Creek to Park Regent Mine Dump	2.29	MILES	FS - Aquatic Life Cold 1, NA - Primary Contact Recreation			2
CORGRG07_5400	Willow Creek, West, East & main blw mine dumps & WS intake	8.10	MILES	NS - Primary Contact Recreation, FS - Agriculture	pH	Mining	5
CORGRG08_5400	Goose Creek	30.08	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture			3
CORGRG09_5400	Rio Grande, South Fork	164.65	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS Water Supply, FS - Agriculture	Dissolved Oxygen	Mining	5
CORGRG10_5500	Pinos Creek	101.68	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
CORGRG11_5500	San Francisco Creek (Rio Grande County)	32.20	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, NA - Primary Contact Recreation, FS - Agriculture			2
CORGRG12_5500	Rio Grande -RG/Alamosa County line to bridge east of Lobatos	52.89	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Warm 1			1
CORGRG13_5500	Rio Grande -from bridge east of Lobatos to Colo/NM state lin	9.40	MILES	FS - Agriculture, FS - Primary Contact Recreation, II - Aquatic Life Cold 1			2
CORGRG14_5500	Rio Grande tribs on NF blw Del Norte to Rock Creek confl.	70.89	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
CORGRG15_5500	Rio Grande -all tributaries from Del Norte to NM state line	624.53	MILES	FS - Agriculture, FS - Secondary Contact Recreation			1
CORGRG15_5501	Rio Grande tributaries	629.28	MILES	FS - Agriculture, FS - Secondary Contact Recreation			1
CORGRG15_5800	Rio Grande -all tribs from Del Norte to the NM state line	57.49	MILES	FS - Secondary Contact Recreation, FS - Agriculture			1
CORGRG15_5900	Rio Grande -all tribs from Del Norte to the NM state line	81.08	MILES	FS - Secondary Contact Recreation, FS - Agriculture			1
CORGRG16_5500	Alamosa National Wildlife Refuge, Waters with in the	8.65	MILES	NA - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
CORGRG17_5500	Monte Vista National Wildlife Refuge, Waters within the	33.63	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
CORGRG18_5500	Rio Grande wetland tribs from Del Norte to NM state line	32.56	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
CORGRG18_5900	Rio Grande wetland tribs from Del Norte to the NM state line	1.13	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
CORGRG19_5500	Rock Creek from source to Monte Vista canal	49.86	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation			3
CORGRG20_5500	Cat Creek -source to Terrace Main canal	12.74	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3
CORGRG21_5500	Ute Creek -source to Hwy 160	33.54	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
CORGRG22_5500	Ute Creek -Hwy 160 to Sange de Cristo Creek	3.84	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 2			3
CORGRG23_5500	Sangre de Cristo Creek -source to Hwy 159	136.28	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1			3
CORGRG24_5500	Sangre de Cristo Creek -Hwy 159 to Smith Reservoir	5.52	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 2			3
CORGRG25_5500	Trinchera Creek -source to outlet of Mtn. Home Reservoir	37.80	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
CORGRG26_5500	Trinchera Creek -from Mtn. Home Reservoir to Rio Grande	26.00	MILES	NA - Agriculture, NA - Aquatic Life Cold 2, NA - Primary Contact Recreation			3
CORGRG28_5500	Rito Seco -source to Salzar Reservoir	13.67	MILES	FS - Aquatic Life Cold 1, NS - Primary Contact Recreation, FS Water Supply, FS - Agriculture	E.coli	Unknown	5
CORGRG29_5500	Rito Seca -Salzar Reservoir to Culebra Creek	1.34	MILES	FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation			1
CORGRG30_5500	Culebra Creek	191.66	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSJAF01_8900	Animas River and Florida River tributaries	87.73	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSJAF02_8900	Animas River -Denver Lake to Maggie Gulch	24.83	MILES	FS - Primary Contact Recreation, NS - Agriculture	Lead, Other, Cadmium, Aluminum, Copper	Mining	4A
COSJAF03A_8900	Animas River	11.10	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSJAF03C_00	Arrastra Gulch	2.50	MILES	NA - Agriculture, NA - Aquatic Life Cold 2, NA - Primary Contact Recreation			3
COSJAF04A_8900	Animas River -Mineral Creek to Elk Creek	11.27	MILES	FS - Primary Contact Recreation, NA - Agriculture, NS - Aquatic Life Cold 2	Copper, Zinc, Iron pH	Mining	4A
COSJAF04B_8900	Animas River -Elk Creek to Junction Creek	44.50	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation	Zinc	Mining	4A
COSJAF05A_8900	Animas River -Junction Creek to the Southern Ute Indian Res.	6.21	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COSJAF05B_8900	Animas River	20.64	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COSJAF06_8900	Cinnamon Creek, Grouse Creek, Picayne Gultch, Minnie Gultch,	28.81	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation			3
COSJAF07_8900	Cement Creek	12.54	MILES	FS - Primary Contact Recreation, NS - Agriculture	Cadmium, Aluminum , Copper, Lead, Iron	`	4A
COSJAF08_8900	Mineral Creek -source to S. Mineral Creek confluence	12.93	MILES	FS - Primary Contact Recreation, NS - Agriculture		Impairment Unkown	4A
COSJAF09_8900	Mineral Creek (Upper Animas Basin)	23.80	MILES	FS - Primary Contact Recreation, NA - Agriculture, NS - Aquatic Life Cold 2	Cadmium, Zinc, Iron pH	Impairment Unkown	4A
COSJAF10_8900	Florida River	14.59	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSJAF11A_8900	Florida River	14.11	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture			3
COSJAF11B_00	Florida River within the SUIR	16.20	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply			3
COSJAF12A_8900	Animas River tributaries	310.26	MILES	FS - Primary Contact Recreation, NA - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			2
COSJAF12B_8900	Animas River tributaries	3.77	MILES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply			3
COSJAF13A_8900	Junction Creek	10.48	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 2			3
COSJAF13B_8900	Animas River	133.60	MILES	FS - Primary Contact Recreation, FS- Aquatic Life Cold 2, NA - Water Supply, FS - Agriculture			2
COSJAF13C_8900	Animas River tributaries	164.72	MILES	NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSJAF14_8900	Lightner Creek	15.06	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture			3
COSJAF15_8900	Purgatory Creek	17.48	MILES	NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3
COSJDO01_7400	Dolores River tributaries	16.79	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COSJDO02_7400	Dolores River	13.74	MILES	NA - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			2
COSJDO03_7400	Dolores River - Horse Creek to Bear Creek	15.90	MILES	NA - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			2
COSJDO04_7400	Dolores River	96.18	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Agriculture, NA - Water Supply			3
COSJDO05_7400	Dolores & West Dolores River all tribs	368.12	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSJDO05_743D	Silver Creek above Rico drinking water supply	2.35	MILES	NA - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			2
COSJDO06_7400	Slate Creek and Coke Oven Creek	3.28	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSJDO07_7400	Coal Creek	2.98	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSJDO08_7400	Horse Creek	2.84	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COSJDO09_743D	Silver Creek below Rico's WS diversion	1.33	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 2, FS - Agriculture	Zinc, Cadmium	Mining	5
COSJDO10_7400	Dolores River, West	27.33	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			1
COSJDO11_7400	Dolores River tributaries	420.19	MILES	FS- Aquatic Life Cold 2, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COSJAF03b_8900	Animas River, Cement Creek to Mineral Creek	0.83	MILES	FS - Primary Contact Recreation			1
COSJLP01_9000	La Plata River -source to Hay Gulch diversion	33.89	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COSJLP02A_9000	La Plata River	5.08	MILES	FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Agriculture			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSJLP02B_9000	La Plata River	22.15	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
COSJLP03A_9000	La Plata River tributaries	98.54	MILES	NS - Aquatic Life Warm 2, FS - Agriculture, FS - Secondary Contact Recreation	Iron	Mining	5
COSJLP03B_9000	La Plata River tributaries	281.81	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3
COSJLP04_9100	Mancos River -source to Hwy 160	98.50	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Zinc	Mining	5
COSJLP04_9101	East Fork Mancos River	10.00	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Zinc, Copper	Unknown	5
COSJLP04_9100	Mancos River -Box Canyon	5.76	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS Water Supply, FS - Agriculture	Sediment	Mining	4A
COSJLP05A_9100	Mancos River	23.03	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSJLP05B_9100	Mancos River	58.15	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3
COSJLP06A_9100	Mancos River	136.54	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSJLP06B_9100	Mancos River	596.66	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
COSJLP07A_9300	McElmo Creek -source to Colo./Utah border	38.92	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture			1
COSJLP07B_00	Mainstem of McElmo Creek	5.60	MILES	NA - Aquatic Life Warm 1, NA - Agriculture, NA - Primary Contact Recreation			3
COSJLP08A_9300	McElmo Creek tributaries	577.60	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSJLP08B_00	McElmo Creek within UMIR	43.75	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3
COSJLP09_9200	San Juan River	3.96	MILES	NA - Aquatic Life Warm 1, NA - Primary Contact Recreation, NA - Agriculture			3
COSJLP10A_9300	McElmo Creek and San Juan River	0.50	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSJLP10B_00	San Juan River tribs within UMIR	200.00	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSJPI01_8800	Piedra River -all tribs within the Weminuche Wilderness Area	67.84	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSJPI02_8800	Piedra River	26.13	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COSJPI03_8800	Piedra River	4.64	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COSJPI04A_8800	Piedra River -Indian Creek to Southern Ute Indian Res.	14.46	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSJPI04B_8800	Piedra River	7.83	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation			3
COSJPI05_8800	Piedra River	94.00	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COSJPI06A_8800	Piedra River tributaries	107.81	MILES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSJPI06B_8800	Piedra River	39.91	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Warm 2			3
COSJPN01_8700	Los Pinos River tributaries	176.53	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSJPN02A_8700	Los Pinos River -from wilderness bdry to S. Ute Indian Res.	23.08	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSJPN02B_8700	Los Pinos River	19.59	MILES	NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture			3
COSJPN04A_8700	Los Pinos River tributaries	90.66	MILES	NA - Water Supply, NA - Agriculture, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COSJPN04B_8700	Beaver Creek, Ute Creek and Spring Creek	30.88	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture			3
COSJPN05_8700	Vallecito Creek -wilderness boundary to Vallecito Res.	3.36	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COSJPN06A_8700	Los Pinos River tributaries	56.41	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS- Aquatic Life Cold 2			1
COSJPN06B_8700	Los Pinos River tributaries	108.16	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3
COSJPN07B_00	San Juan River tribs in La Plata County and SUIR	5.00	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2			3

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSJSJ01_8700	Navajo River	186.18	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COSJSJ02_8700	Navajo River	4.88	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
COSJSJ03_8700	Ltl Navajo River blw diversion & Tribs	5.50	MILES	II - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture	E.coli	Impairment Unkown	2
COSJSJ04_8700	San Juan River tributaries	110.00	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, NA - Agriculture			2
COSJSJ05_8700	San Juan River	171.13	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSJSJ06A_8700	San Juan River	33.12	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSJSJ06B_8700	San Juan River	29.38	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture			3
COSJSJ09A_8700	Rio Blanco River	163.27	MILES	FS - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture			2
COSJSJ09A_8700	Rio Blanco River	1.50	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture			3
COSJSJ09B_8700	Rio Blanco River	2.52	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture			3
COSJSJ10_8700	Rio Blanco River	8.65	MILES	FS - Primary Contact Recreation, FS- Aquatic Life Cold 2, FS - Agriculture			1
COSJSJ11a_8700	Rio Blanco River	157.98	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Warm 1			1
COSJSJ11b_00	Tributaries to the San Juan River with the SUIR	89.76	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 1			3
COSJSJ12a_A8700	Rio Blanco River	1.00	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COSJSJ12b_00	Tributaries to the San Juan River within the SUIR	1.00	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPBD01_0600	Dig Bry Creek and tributaires from source to S. Platte River	201.32	MILES	NS - Aquatic Life Warm 2, NS - Primary Contact Recreation, FS - Agriculture	Selenium, E.coli	Unknown	5
COSPBD04A_0600	Woman and Walnut Creeks and tributaries	8.40	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPBD04b_00	North and South Walnut Creek, Walnut Creek	0.90	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, NA - Secondary Contact Recreation, NA - Water Supply			2
COSPBD05_00	N. and S. Walnut Creeks and tribs	2.50	MILES	FS - Secondary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, NA - Water Supply			2
COSPBD06_0600	Upper and South Upper Big Dry Creeks	6.52	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Water Supply, NA - Aquatic Life Warm 2			3
COSPBE01A_0500	Bear Creek	33.61	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSPBE01B_0500	Bear Creek	1.88	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 2, NA - Water Supply			3
COSPBE02_0500	Bear Creek	7.96	MILES	FS - Aquatic Life Warm 1, FS - Water Supply, NS - Primary Contact Recreation, FS - Agriculture	E.coli	Mining	5
COSPBE03_0500	Bear Creek tributaries	60.15	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			1
COSPBE04A_0500	All tributaries to Bear Creek	73.65	MILES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSPBE04B_0500	Swede Gulch from source to Kerr Gulch	2.19	MILES	FS- Aquatic Life Cold 2, NA - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			2
COSPBE04C_0500	Swede Gulch below Kerr Gulch to Bear Creek	1.38	MILES	FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation			1
COSPBE05_0500	Sawmill, Troublesome, & Cold Springs Gulches, and Turkey Crk	18.21	MILES	FS- Aquatic Life Cold 2, NA - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			2
COSPBE06_0500	Turkey Creek	12.00	MILES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
COSPBE07_0500	Bear Creek and tributaries within Mt. Evans Wilderness Area	12.87	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COSPBO01_0800	Boulder Creek & Tribs - Wilderness	17.38	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSPBO02_0800	Boulder Creek	135.00	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPBO02_0801	Boulder Creek - 13th Street in Boulder to S. Platte River.	5.00	MILES	FS - Agriculture, NS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1	E.coli	Impairment Unkown	5
COSPBO03_0800	Boulder Creek	20.33	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPBO04A_0800	South Boulder Creek, source to outlet Gross Reservoir.	89.12	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, NA - Primary Contact Recreation, FS - Water Supply			2
COSPBO04A_0801	Gamble Gulch	3.60	MILES	NA - Primary Contact Recreation, NA - Agriculture, NS - Aquatic Life Cold 1, NA - Water Supply	pH , Copper, Zinc	Mining	5
COSPBO04B_0800	South Boulder Creek & tribs	43.29	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Primary Contact Recreation			3
COSPBO04c_00	Cowdrey Drainage	1.00	MILES	NA - Water Supply, NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COSPBO04d_00	Cowdrey Drainage below Davidson Ditch	1.00	MILES	NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COSPBO05_0800	South Boulder Creek	4.64	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Warm 1			1
COSPBO06_0800	Coal Creek	27.31	MILES	FS - Agriculture, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Water Supply			1
COSPBO07A_0800	Coal Creek - HWY 93 to HWY 36	4.90	MILES	FS - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture			1
COSPBO07B_0800	Coal Creek from Highway 36 to Boulder Creek	11.39	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, NS - Primary Contact Recreation	E.coli	Impairment Unkown	5
COSPBO08_0800	Tribs to S. Boulder Creek and Coal Creek	130.20	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPBO08_0801	Rock Creek	11.50	MILES	NA - Water Supply, II - Primary Contact Recreation, NA - Agriculture, II - Aquatic Life Warm 2	Iron Selenium, E.coli	Impairment Unkown	3
COSPBO09_0800	Boulder Creek -S. Boulder Creek to Coal Creek	11.53	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Warm 1	Ammonia	Impairment Unkown	4A
COSPBO10_0800	Boulder Creek from Coal Creek to St. Vrain confluence	6.84	MILES	NS - Primary Contact Recreation, NS - Aquatic Life Warm 1, FS - Agriculture, FS - Water Supply	Ammonia, E.coli	Impairment Unkown	5
COSPBO11_0800	Tributaries to Boulder Creek	148.75	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPBT01_0900	Tributaries to the Big Thompson River in RMNP	150.81	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPBT02_0900	Big Thompson River	111.00	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, I42	Sulphur Hydrogen Sulfide, Copper, pH	Mining	5
COSPBT02_0901	Big Thompson River	0.75	MILES	FS - Primary Contact Recreation, I42, II - Aquatic Life Cold 1, FS - Agriculture	Silver , Sulphur Hydrogen Sulfide	Mining	2

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPBT03_0900	Big Thompson Review	5.43	MILES	FS - Agriculture, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Water Supply			1
COSPBT04a_0900	Big Thompson River	2.10	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, FS- Aquatic Life Cold 2			1
COSPBT04b_0900	Big Thompson River	4.50	MILES	FS - Agriculture, II - Aquatic Life Warm 2, NA - Primary Contact Recreation			2
COSPBT04c_0900	Big Thompson River	4.00	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSPBT05_0900	Big Thompson River I-25 to S. Platte River confluence	20.87	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium	Mineralization	5
COSPBT06_0900	Tributaries to Big Thompson River	221.80	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
COSPBT07_0900	Big Thompson River, North Fork & Buckhorn Creek	258.63	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSPBT08_0900	Tributaries to Little Thompson River	103.93	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COSPBT09_0900	Little Thompson -Culver ditch to Big Thompson River	23.39	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, NS - Primary Contact Recreation	E.coli, Selenium, Copper	Impairment Unknown, Mining	5
COSPBT10_0900	Little Thompson tributaries - Culver ditch to Big Thompson	77.35	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COSPBT10_0901	Big Hollow	5.00	MILES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COSPCH01_0600	Cherry Creek	72.88	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPCH03_0600	Cherry Creek below the dam	11.79	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPCH04_0600	Cherry Creek tributaries	288.20	MILES	NA - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
COSPCL01_0700	Clear Creek	30.30	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPCL02_0700	Clear Creek, I-70 at Silver Plume to Argo Tunnel	31.45	MILES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture	Copper, Zinc	Mining	5
COSPCL03A_0700	Mainstem of South Clear Creek, including all tributaries	11.94	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, NA - Primary Contact Recreation, FS - Agriculture	Zinc	Mining	5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPCL03B_0700	Leavenworth Creek	6.63	MILES	NS - Aquatic Life Cold 2, FS - Agriculture, NA - Primary Contact Recreation, FS - Water Supply	Zinc, Lead	Mining	5
COSPCL04_0700	Clear Creek, west	4.17	MILES	NA - Agriculture, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation			3
COSPCL05_0700	Clear Creek, west	9.20	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, NA - Primary Contact Recreation			2
COSPCL06_0700	Clear Creek, west tributaries	21.50	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COSPCL06_0701	Mad Creek	2.00	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS Agriculture, FS - Water Supply	Zinc	Mining	5
COSPCL07_0700	Woods Creek	3.11	MILES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation			3
COSPCL08_0700	Lion Creek	1.93	MILES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation			3
COSPCL09a_0700	Fall River -source to Clear Creek confluence	25.88	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture	Copper, Zinc	N/A	5
COSPCL09b_0700	Unnamed tributary to Trail Creek	4.00	MILES	NA - Agriculture, NA - Water Supply, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1	Cadmium, Copper, Lead, Zinc		5
COSPCL10_0700	Chicago Creek	28.08	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COSPCL11_0700	Clear Creek - Argo Tunnel to Farmers Highline Canal	21.87	MILES	FS - Agriculture, NS - Aquatic Life Cold 1, NA - Primary Contact Recreation, FS - Water Supply	Zinc, Lead	Mining	5
COSPCL12_0700	Clear Creek tributaries	59.94	MILES	FS- Aquatic Life Cold 2, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COSPCL13a_00	North Clear Creek	32.70	MILES	NA - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			2
COSPCL13b_0700	North Clear Creek - source to Clear Creek confluence	25.80	MILES	NS - Aquatic Life Cold 2, FS - Agriculture, FS - Primary Contact Recreation	Manganese, Iron, Cadmium, Zinc, Aquatic Life Use	Mining	5
COSPCL14a_0700	Clear Creek -Farmers Highline Canal to Youngfield St.	4.00	MILES	FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPCL14b_00	Clear Creek - Denver Water Conduit to Youngfield St.	0.60	MILES	NS - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture	Aquatic Life Use , BOD	Unknown	5
COSPCL15_0700	Clear Creek -Youngfield St. to S. Platte confluence	11.88	MILES	NS - Primary Contact Recreation, NS - Aquatic Life Warm 1, FS - Water Supply, FS - Agriculture	Aquatic Life Use, E.coli, BOD	Unknown	5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPCL16a_00	Lena Gulch	2.30	MILES	NA - Agriculture, NA - Water Supply, NA - Aquatic Life Warm 2, NA - Primary Contact Recreation			3
COSPCL16b_0700	Clear Creek tributaries	168.70	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2			3
COSPCL17b_0700	Ralston Creek	18.96	MILES	FS- Aquatic Life Cold 2, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COSPCL18A_0700	Ralston Creek	8.65	MILES	FS - Aquatic Life Cold 1, NS - Secondary Contact Recreation, FS - Agriculture, FS - Water Supply	E.coli	Unknown	5
COSPCL18B_0700	Ralston Creek	8.45	MILES	FS - Agriculture, FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPCL19_0700	Clear Creek tributaries	6.19	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSPCP01_1000	Cache La Poudre River and tributaries in wilderness	204.20	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSPCP02_1000	Cache La Poudre River	87.01	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COSPCP02_1001	Cache La Poudre River	250.10	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			1
COSPCP06_1000	North Fork Cache La Poudre and Tributaries	317.27	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPCP07_1000	N. Fork Cache La Poudre River	23.83	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Agriculture			1
COSPCP07_103D	N. Fork Cache La Poudre River below Halligan Reservoir	3.20	MILES	FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Primary Contact Recreation			1
COSPCP08_1000	Cache La Poudre River, North Fork tributaries	350.66	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS- Aquatic Life Cold 2			1
COSPCP09_1000	Rabbit and Lone Pine Creeks	17.07	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COSPCP10_1000	Cache La Poudre River	17.19	MILES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 2, FS - Agriculture	Copper, pH	Mining	5
COSPCP11_1000	Cache La Poudre River	6.99	MILES	NA - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			2
COSPCP12_1000	Cache La Poudre above Eaton Draw	30.47	MILES	NS - Aquatic Life Warm 2, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Mineralization	5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPCP12_1001	Cache La Poudre River below Eaton Draw	5.00	MILES	FS - Agriculture, NS - Primary Contact Recreation, NS - Aquatic Life Warm 2	E.coli, Selenium	Impairment Unkown	5
COSPCP13a_1000	Cache La Poudre River and Tributaries	1489.40	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COSPCP13a_1001	Fossil Creek	1.00	MILES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Warm 2	Selenium	Mineralization	5
COSPCP13b_1000	Boxelder Creek	41.60	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 2, NA - Agriculture	Selenium	Mineralization	5
COSPLA01_0300	Laramie River Tributaries	52.70	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPLA02_0300	Laramie River	523.38	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COSPLS01_0600	South Platte River	22.67	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPLS01_1500	South Platte River	57.18	MILES	II - Aquatic Life Warm 2, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture	Aquatic Life Use	Mining	2
COSPLS01_2100	South Platte River below Ovid	87.01	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPLS02a_0600	South Platte River, tributaries	230.89	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPLS02a_1300	Kiowa, Comanche, Mule & Rock Creeks with tributaries	602.83	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPLS02a_Mining0	South Platte River, tributaries	412.50	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPLS02a_1500	South Platte River, tributaries	2359.73	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Secondary Contact Recreation			1
COSPLS02a_1600	South Platte River, tributaries	4.15	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2			3
COSPLS02a_1700	South Platte River, tributaries	649.83	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COSPLS02a_1900	Unnamed tributary to the South Platte River.	28.92	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COSPLS02a_2000	South Platte River, tributaries	86.70	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Secondary Contact Recreation			3

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPLS02a_2100	South Platte River, tributaries	102.09	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPLS02B_00	Tributaries to South Platte	1028.00	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSPLS02B_01	Tributaries to South Platte, Beaver Creek	11.00	MILES	NS - Aquatic Life Warm 2, NS - Primary Contact Recreation, NA - Agriculture	E.coli, Selenium	Impairment Unkown	5
COSPMS01a_0600	South Platte River - Big Dry to St Vrain	22.00	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, I42			2
COSPMS01a_601	Unnamed tributary to the mainstem of the South Platte River.	38.51	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply			3
COSPMS01b_0600	South Platte River - St. Vrain to Morgan County	60.27	MILES	FS - Aquatic Life Cold 1, I42, FS - Agriculture, FS - Primary Contact Recreation			2
COSPMS01b_601	Unnamed tributary to the South Platte River.	42.06	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2, NA - Water Supply			3
COSPMS03a_0600	Tributaries to South Platte River	1303.05	MILES	FS - Agriculture, NA - Primary Contact Recreation, FS - Aquatic Life Cold 1			2
COSPMS03a_1100	Tributaries to South Platte River	420.33	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, NA - Secondary Contact Recreation			2
COSPMS03a_1200	Tributaries to South Platte River	670.03	MILES	NA - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			2
COSPMS03b_0600	Unnamed Hayesmount Tributary	25.97	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COSPMS05_00	Lone Tree, Crow, and Boxelder Creeks	214.20	MILES	FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Agriculture			1
COSPMS05a_00	Unnamed tributary to South Platte River.	243.30	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COSPMS05b_00	Unnamed tributary to Boxelder Creek	14.62	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COSPMS06_0600	Unnamed tributary to Lost Creek	35.98	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPRE01_2400	Republican River, South Fork	16.95	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Warm 1, FS - Primary Contact Recreation			1
COSPRE03_2300	Republican River -North Fork	36.68	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1			5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPRE04_2200	Arikaree River	66.79	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture			1
COSPRE05_2200	Black Wolf Creek	11.54	MILES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSPRE06_2200	Republican River tributaries	1094.50	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPRE06_2300	Republican River tributaries	1288.37	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPRE06_2400	Republican River tributaries	1414.07	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPRE06_Other0	Republican River tributaries	505.20	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COSPRE06_2700	Republican River tributaries	210.84	MILES	NA - Secondary Contact Recreation, NA - Agriculture, NA - Aquatic Life Warm 2			3
COSPRE06_2800	Republican River tributaries	136.27	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COSPRE06_2900	Republican River tributaries	54.42	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPRE07_3000	Smoky Hill River and tributaries	273.54	MILES	NA - Agriculture, NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation			3
COSPRE07_3100	Smoky Hill River and tributaries	321.97	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Aquatic Life Warm 2			3
COSPRE07_3200	Smoky Hill River and tributaries	186.86	MILES	NA - Aquatic Life Warm 2, NA - Secondary Contact Recreation, NA - Agriculture			3
COSPSV01_0800	Tributaries to St. Vrain Creek in Wilderness and RMNP	60.56	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPSV02_0800	St. Vrain Creek	172.56	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1	Copper	Mining	5
COSPSV03_0800	St. Vrain Creek -Hygiene Rd to S. Platte confluence	27.10	MILES	FS - Agriculture, NS - Aquatic Life Warm 1, II - Primary Contact Recreation	Aquatic Life Use, Ammonia	N/A	4a
COSPSV04a_0800	Left Hand Creek	49.18	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS Agriculture, FS - Water Supply	pH , Zinc, Copper	Mining	5
COSPSV04b_0000	James Creek from source to Lefthand Creek	15.50	MILES	FS - Agriculture, NS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1	Copper, Lead	Mining	5

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPSV04b_0001	Little James Creek	4.50	MILES	FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Cold 1, FS - Agriculture	Lead, pH , Zinc, Manganese, Copper	Mining	5
COSPSV05_0800	Left Hand Creek	12.69	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COSPSV06_0800	Tributaries to St. Vrain Creek	284.60	MILES	NS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	E.coli, Selenium	Mining	5
COSPSV06_0801	Dry Creek	21.14	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NS - Primary Contact Recreation	E.coli, Selenium	N/A	5
COSPUS01A_0400	South Platte River -source to North Fork	123.04	MILES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSPUS01A_043D	S. Platte River -11 Mile dam to Cheesman Res.	20.94	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture	Sediment	Mining	4A
COSPUS01A_0500	South Platte River -source to North Fork	36.56	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COSPUS01B_0400	South Platte River Tributaries	21.45	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture			3
COSPUS01B_0500	South Platte River tributaries	0.60	MILES	NA - Agriculture, NA - Secondary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1			3
COSPUS02A_0400	South Platte River Tribs-headwaters to Tarryall	1413.79	MILES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation	Sediment	N/A	5
COSPUS02B_0400	Mosquito Creek -S. Mosquito Crk to Middle Fork confl	4.98	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1, FS - Water Supply	Lead, Cadmium, Zinc	N/A	4A
COSPUS02C_0400	South Mosquito Creek	2.42	MILES	FS - Primary Contact Recreation, NS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1	Cadmium, Manganese, Zinc, Iron	N/A	4A
COSPUS03_0500	South Platte River -all tribs blw Terryall Crk to N. Fork SP	278.91	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1			1
COSPUS03_053D	Tribs on National Forest land	127.47	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSPUS03_053E	Trout Creek	22.00	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1	Sediment	Unknown	5
COSPUS04_0500	North Fork South Platte River - source to S. Platte River	292.20	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COSPUS04_053D	Hall Valley Area to Geneva Creek	8.38	MILES	FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1, NA - Primary Contact Recreation	Copper	Mining	5

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPUS05A_0500	Geneva Creek	9.06	MILES	NA - Primary Contact Recreation, II - Aquatic Life Cold 1, NA - Agriculture			3
COSPUS05B_0500	Geneva Crk -Scott Gomer Ck to N. Fork South Platte River	28.79	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1	Zinc	Mining	5
COSPUS05C_0500	Gooseberry Gulch	3.08	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, FS- Aquatic Life Cold 2			1
COSPUS06a_0500	South Platte River - North Fork to Chatfield	12.80	MILES	II - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			2
COSPUS06c_00	South Platte - Chatfield to Bowles Ave.	0.60	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPUS07_0500	South Platte River tributaries	154.17	MILES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation, NA - Agriculture			3
COSPUS08_0500	Plum Creeks	50.36	MILES	NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply, NA - Aquatic Life Cold 1			3
COSPUS09_0500	Bear Creek	8.80	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COSPUS10A_0500	Plum Creek	54.20	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COSPUS10B_0500	Plum Creek	23.53	MILES	NA - Aquatic Life Cold 1, NA - Water Supply, NA - Primary Contact Recreation, NA - Agriculture			3
COSPUS11A_0500	Plem Creek - east tributaries	57.40	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COSPUS11B_0500	Plum Creek -west tributaries	44.97	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPUS12_0500	Garber Creek and Jackson Creek	12.13	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COSPUS13_0500	Deer Creek	20.88	MILES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COSPUS14_0500	S. Platte River -Bowles Ave. to Cherry Creek confluence	12.25	MILES	FS - Aquatic Life Warm 1, FS - Water Supply, NS - Primary Contact Recreation, FS - Agriculture	E.coli	unknown	4A
COSPUS14_0600	S. Platte River -Cherry Creek confl to the Burlington ditch	15.40	MILES	FS - Water Supply, NS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture	E.coli	unknown	4A
COSPUS15_0600	S. Platte River -Burlington ditch to Big Dry Creek	26.71	MILES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Water Supply, NS - Primary Contact Recreation	Cadmium, E.coli	Mining	5

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Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COSPUS16a_00	Sand Creek	14.20	MILES	FS - Agriculture, NS - Primary Contact Recreation, NS - Aquatic Life Warm 2	Selenium, E.coli	Mining	5
COSPUS16c_0500	South Platte River tributaries	229.60	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COSPUS16c_0600	So. Platte River tributaries below 19th Street in Denver	470.30	MILES	NS - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
COSPUS16c_0601	East and West Toll Gate Creek	21.00	MILES	NA - Agriculture, NA - Primary Contact Recreation, NS - Aquatic Life Warm 2	Selenium	Impairment Unkown	5
COSPUS16d_0600	Unnamed tributary to Second Creek	18.33	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2			3
COSPUS16e_0600	Unnamed tributary to Third Creek	21.66	MILES	NA - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			3
COSPUS16f_0600	Unnamed tributary to Barr Lake	7.71	MILES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COSPUS16g_0500	Unnamed tributary to Marcy Gulch	5.90	MILES	NA - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Agriculture			3
COUCBL01_6200	Blue River	10.89	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCBL02A_6200	Blue River -French Gulch to Summit County road 3	2.54	MILES	FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Cold 1, FS - Agriculture	Copper, Cadmium, Zinc	Impairment Unkown	4B
COUCBL02b_00	Blue River	1.50	MILES	NA - Water Supply, NS - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation	Copper	Impairment Unkown	4B
COUCBL05_6200	Soda Creek	6.49	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COUCBL06_6200	Snake River -source to Peru Creek	16.65	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COUCBL06_623D	Snake River -below Peru Creek to Dillon Reservoir	8.41	MILES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, NS - Agriculture, FS - Water Supply	Copper, Zinc, Lead, pH , Cadmium	Mining	5
COUCBL07_6200	Peru Creek	5.94	MILES	NS - Aquatic Life Cold 1, FS - Secondary Contact Recreation	Zinc, Copper, Cadmium, pH , Manganese	Mining	5
COUCBL08_6200	Keystone Creek, Chicuahua Creek	16.60	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COUCBL08_6201	Keystone Creek, Mozart Creek	6.50	MILES	FS - Agriculture, FS - Water Supply, NA - Primary Contact Recreation, II - Aquatic Life Cold 1			2

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COUCBL09_6200	Deer Creek and Tribs	5.51	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COUCBL10_6200	French Gulch	3.45	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply			3
COUCBL11_6200	French Gulch -below Lincoln to Blue River	4.29	MILES	FS - Secondary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COUCBL12_6200	Illinois Gulch and Fredonia Gulch	3.88	MILES	FS - Primary Contact Recreation, NS - Aquatic Life Cold 2, FS - Water Supply, FS - Agriculture	Zinc	Mining	5
COUCBL13_6200	Tenmile Creek	17.40	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COUCBL14_6200	Tenmile Creek	46.32	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COUCBL15_6200	Clinton Creek	4.59	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COUCBL16_6200	Blue River tributaries	135.46	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COUCBL17_6200	Blue River -below Dillon Res to confluence w/ Colorado River	48.65	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply			1
COUCBL18_6200	Straight Creek	9.32	MILES	FS - Agriculture, FS - Water Supply, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation	Sediment	Highway Runoff	4A
COUCBL18_6201	Blue River -tribs from Dillon Res. to Green Mtn. Res.	221.88	MILES	NA - Agriculture, II - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1	E.coli	Unknown	3
COUCBL19_6200	Blue River tributaries	139.85	MILES	FS - Aquatic Life Cold 1, FS - Secondary Contact Recreation, FS - Water Supply, FS - Agriculture			1
COUCBL20_00	Elliot Creek and tribs	30.60	MILES	FS - Agriculture, FS - Water Supply, FS - Secondary Contact Recreation, II - Aquatic Life Cold 1	Iron	Mining	2
COUCEA01_6300	Eagle River -tribs w/in Gore Range-Eagles Nest & Holy X Wild	149.84	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCEA02_6300	Eagle River -source to bridge @ Belden	10.74	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COUCEA03_6300	Eagle River -all tribs source to bridge @ Belden	81.41	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCEA04_6300	Homestake Creek -East Fork to Eagle River	10.66	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COUCEA05_6300	Eagle River -bridge @ Belden to Gore Creek	7.05	MILES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture	Zinc, Copper	Mining	5
COUCEA06_6300	Eagle River -all tribs bridge @ Belden to Lake Creek	198.10	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1			1
COUCEA06_6301	Black Gore Creek	7.50	MILES	NS - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture, NA - Primary Contact Recreation	Sediment	Highway Runoff	5
COUCEA07_6300	Cross Creek -source to Eagle River confluence	1.81	MILES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation	Copper, Zinc	Mining	5
COUCEA08_6300	Gore Creek -Black Gore Creek to Eagle River	10.84	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCEA09_6300	Eagle River -Gore Creek to Colorado River confluence	42.09	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COUCEA10_6300	Eagle River -all tribs from Lake Creek to Colorado River	513.50	MILES	FS - Water Supply, FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Agriculture	Selenium	Mining	2
COUCEA11_6300	Alkali and Milk Creeks	22.71	MILES	FS- Aquatic Life Cold 2, FS - Primary Contact Recreation, FS - Agriculture			1
COUCEA12_6300	Brush Creek -source to Eagle River	29.02	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture			1
COUCNP01_0100	North Platte Tributaries	70.35	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COUCNP01_0200	North Platte Tributaries	11.00	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COUCNP01_0201	South Fork Big Creek	7.00	MILES	II - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation	E.coli, Copper	Mining	2
COUCNP02_0200	Encampment River	44.45	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply			1
COUCNP03_0100	North Platte River -Grizzly Creek to Camp Creek	37.75	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COUCNP03_0200	North Platte River -Camp Creek to Colo/Wyo border	6.42	MILES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			1
COUCNP04_0100	North Platte River -all tribs above Camp Creek	2208.43	MILES	II - Primary Contact Recreation, FS - Water Supply, II - Aquatic Life Cold 1, FS - Agriculture	Aquatic Life Use, Other, E.coli, pH	Mining	2
COUCNP04_0101	Illinois River	70.00	MILES	NS - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply	Iron	Mining	5

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COUCNP04_0200	North Platte River -all tribs Camp Creek to Colo/Wyo border	154.09	MILES	FS - Water Supply, FS - Agriculture, II - Aquatic Life Cold 1, FS - Primary Contact Recreation	Sediment	Unknown	2
COUCNP05a_0100	Michigan River	12.80	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COUCNP05b_00	Lower Michigan River	48.64	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Secondary Contact Recreation			1
COUCNP06_0100	Pinkham Creek	14.24	MILES	FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture			1
COUCNP07_0100	Government Creek	11.85	MILES	FS - Agriculture, FS - Secondary Contact Recreation, FS- Aquatic Life Cold 2			1
COUCNP07_0101	Spring Creek	10.00	MILES	FS - Agriculture, NS - Aquatic Life Cold 2, FS - Secondary Contact Recreation	Dissolved Oxygen	Unknown	5
COUCRF01_6400	Roaring Fork River	264.28	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COUCRF02_6400	Roaring Fork River	57.18	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCRF03a_6400	Roaring Fork River	454.05	MILES	II - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply	Selenium	Mining	2
COUCRF03b_00	Red Canyon and tribs, except Landis Creek	20.00	MILES	FS - Agriculture, FS - Water Supply, FS- Aquatic Life Cold 2, FS - Secondary Contact Recreation			1
COUCRF04_6400	Brush Creek	7.09	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COUCRF05_6400	Fryingpan River	7.22	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COUCRF06_6400	Fryingpan River	23.73	MILES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COUCRF07_6400	Fryingpan River tributaries	164.25	MILES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply			1
COUCRF08_6400	Crystal River	155.44	MILES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COUCRF09_6400	Coal Creek -source to Crystal River	22.33	MILES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COUCRF10_6400	North Thompson Creek	55.72	MILES	FS - Primary Contact Recreation, FS - Water Supply, II - Aquatic Life Cold 1, FS - Agriculture	Iron	Mining	2

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COUCUC01_6100	Colorado River and Tribs in RMNP	139.42	MILES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCUC02_6100	Colorado River and tribs into Arapahoe Ntl. Recreation Area	67.03	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COUCUC03_6100	Colorado River -Lake Granby to confluence w/ Roaring Fork	134.39	MILES	NA - Water Supply, NA - Aquatic Life Cold 1, FS - Primary Contact Recreation, NA - Agriculture			2
COUCUC04_6100	Colorado River tributaries below Lk. Grandby to Roaring Fork	2079.60	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COUCUC06A_6100	Colorado River -all tribs not NF from RMNP/ANRA to Blue Rvr	824.41	MILES	FS - Water Supply, FS - Secondary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 1	Selenium	Unknown	2
COUCUC06B_6100	Un-named tributary	3.44	MILES	FS - Agriculture, FS - Secondary Contact Recreation, II - Aquatic Life Cold 2	Dissolved Oxygen	Unknown	2
COUCUC06C_6100	Willow Creek, Un-named tributary to	1.01	MILES	FS - Agriculture, NS - Aquatic Life Cold 2, FS - Secondary Contact Recreation	Ammonia	N/A	4A
COUCUC07a_0101	Alkali Slough	5.00	MILES	NA - Water Supply, NA - Agriculture, NA - Primary Contact Recreation, NS - Aquatic Life Cold 1	Selenium, Iron	Unknown	5
COUCUC07a_6100	Colorado River tributaries	557.30	MILES	FS - Secondary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply			1
COUCUC07b_00	Muddy Creek	345.31	MILES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1
COUCUC08_6100	Williams Fork River -source to Colorado River confluence	348.88	MILES	FS - Water Supply, FS - Agriculture, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation			1
COUCUC09_6100	Colorado River tributaries	53.95	MILES	NA - Secondary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
COUCUC10_6100	Fraser River	313.70	MILES	II - Aquatic Life Cold 1, FS - Water Supply, FS - Secondary Contact Recreation, FS - Agriculture	Copper	Mining	2
COUCYA01_8000	Yampa River tributaries	47.24	MILES	NA - Agriculture, NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1			3
COUCYA02A_8000	Yampa River -from Bear & Wheeler Creeks to Elkhead Creek	86.40	MILES	FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture, NS - Aquatic Life Cold 1	Temperature	Mining	5
COUCYA03_8000	Yampa River -tribs source to Elk River & Bear River	708.05	MILES	FS - Primary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 1, FS - Water Supply	Sediment, Zinc	Mining	2
COUCYA04A_8000	Yampa River tributaries	314.07	MILES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 1	Dissolved Oxygen	Mining	2

Appendix B: Use Attainment Table, StreamsAppendix B: Use Attainment Table, Streams

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name		Unit	Designated Uses	Causes	Sources	IR Category
COUCYA04B_8000	Little White Snake Creek	3.67	MILES	FS - Secondary Contact Recreation, FS - Water Supply, FS - Agriculture, FS- Aquatic Life Cold 2			1
COUCYA05_8000	Chimney Creek	52.26	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COUCYA06_8000	Oak Creek	31.16	MILES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COUCYA07_8000	Oak Creek	21.44	MILES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COUCYA08_8000	Elk River -mainstem & tributaries	527.41	MILES	II - Aquatic Life Cold 1, FS - Water Supply, NS - Primary Contact Recreation, FS - Agriculture	E.coli, Mercury	Impairment Unkown	5
COUCYA12_8000	Yampa River tributaries	420.61	MILES	NA - Secondary Contact Recreation, NA - Aquatic Life Cold 2, NA - Agriculture			3
COUCYA13A_8000	Trout Creek	19.02	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COUCYA13B_8000	Foidel and Fish Creek	60.69	MILES	FS - Agriculture, II - Primary Contact Recreation, FS - Aquatic Life Cold 1	E.coli	Impairment Unkown	2
COUCYA13B_8001	Middle Creek	17.00	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COUCYA13C_8000	Trout Creek	30.65	MILES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COUCYA13d_00	Dry Creek	108.75	MILES	FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	Iron, Selenium	Impairment Unkown	5
COUCYA13e_00	Sage Creek and Grassy Creek	63.75	MILES	FS - Secondary Contact Recreation, NS - Aquatic Life Warm 2, FS - Agriculture	Selenium, Iron	Mining	5
COUCYA14_8000	Elkhead Creek	190.06	MILES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1
COUCYA18_5600	Little Snake River	28.72	MILES	FS - Agriculture, FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Water Supply	Copper	Mining	2
COUCYA19_5600	Little Snake River tributaries	154.28	MILES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COUCYa20_8000	First Creek below Second Creek, Elkhead Creek Below First Ck	76.21	MILES	NA - Water Supply, NS - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 1	E.coli	Impairment Unkown	5

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COARFO07a_3500	Willow Springs Ponds #1 & #2	78.4	ACRES	NS - Aquatic Life Warm 2, NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture	PCE	Contaminated Groundwater	5
COARFO07b_00	Colorado Springs Urban Lakes	210	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
COARLA05B_4200	Trinidad Reservoir	2,018	ACRES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation	FCA - mercury	Source Unkown	5
COARLA08L_5301	Lake Maloya	6.03	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
COARLA08L_5302	Lake Dorothey	11.77	ACRES	NA - Water Supply, NA - Agriculture, NA Primary Contact Recreation, NA - Aquatic Life Cold 1			3
COARLA10_4000	Holbrook Reservoir	507.24	ACRES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Warm 1			1
COARLA10_4101	Neenoshe, Neeskah & Neespah Reservoirs	734.4297	ACRES	FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture			1
COARLA10_4102	Nee Gronda Reservoir	3,490	ACRES	FS - Primary Contact Recreation, FS - Water Supply, NS - Aquatic Life Warm 1, FS - Agriculture	Selenium	Mineralization	5
COARLA10_4103	Adobe Creek Reservoir	4,105	ACRES	FS - Water Supply, NS - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Mineralization	5

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COARLA10_4500	Two Buttes Reservoir and Ponds	733.81	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 1, NA - Water Supply, NA - Agriculture			3
COARLA10_5100	Burchfield Reservoir	22.87	ACRES	NA - Agriculture, NA - Aquatic Life Warm 1, NA - Primary Contact Recreation, NA - Water Supply			3
COARLA11_4100	John Martin Reservoir	3,112.52	ACRES	FS - Water Supply, NS - Aquatic Life Warm 1, FS - Agriculture, FS - Primary Contact Recreation	Selenium	Mineralization	5
COARLA12_3701	Lake Meredith	5,508.92	ACRES	NS - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture	Selenium	Mineralization	5
COARLA12_3702	Lake Henry	1,200	ACRES	NS - Aquatic Life Warm 1, FS - Agriculture, FS - Primary Contact Recreation	Selenium	Mineralization	5
COARLA13_4000	Horse Creek Reservoir	2,194.52	ACRES	FS - Agriculture, FS - Aquatic Life Warm 1, NA - Primary Contact Recreation			2
COARLA13_4100	Thurston Res, Karvel Lake, Las Animas Kid's Pond	239.81	ACRES	FS - Agriculture, NA - Primary Contact Recreation, FS - Aquatic Life Warm 1			2
COARLA13_4400	Hugo Ponds, Kinney Lake	57.08	ACRES	FS - Aquatic Life Warm 1, FS - Agriculture, NA - Primary Contact Recreation			2
COARMA01_3400	Pueblo Reservoir	1,245.52	ACRES	FS - Water Supply, FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture			1

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COARMA08_3400	Beckwith Reservoir	0.65	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture			3
COARMA16_3800	Huajolota, Diagre, Walsenburg Lower Town Lake, Horse sLake…	420.25	ACRES	NS - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply	FCA - mercury	Source Unkown	5
COARUA05L_3300	Clear Creek Reservoir	425	ACRES	FS - Agriculture, FS - Secondary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply			1
COARUA05L_3301	Turquoise Lake	1,788	ACRES	FS - Agriculture, FS - Secondary Contact Recreation, FS - Water Supply, II - Aquatic Life Cold 1	Dissolved Oxygen	Mineralization	2
COARUA10L_3300	Twin Lakes Reservoir	2,277	ACRES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture			1
COARUA14bL_3400	Teller Reservoir	96.79	ACRES	FS - Agriculture, FS - Secondary Contact Recreation, I41	FCA - mercury	Source Unkown	2
COARUA15L_3300	DeWeese Reservoir	240	ACRES	FS - Water Supply, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1, FS - Agriculture	Dissolved Oxygen	Mineralization	5
COARUA27L_3400	Brush Hollow Reservoir	461	ACRES	NS - Aquatic Life Cold 1, II - Primary Contact Recreation, NA - Agriculture, NA - Water Supply	FCA - mercury, pH	Source Unkown	5
COGULG03L_7100	Island Lake	179	ACRES	FS - Primary Contact Recreation, FS - Water Supply, FS - Aquatic Life Cold 1, FS - Agriculture			1

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COGULG09_7100	Fruitgrowers Reservoir	476	ACRES	FS - Agriculture, NS - Aquatic Life Warm 2, FS - Primary Contact Recreation	Dissolved Oxygen	Mineralization	5
COGULG13_6800	Crawford Reservoir	364.25	ACRES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COGUNF07_7000	Paonia Reservoir	317.89	ACRES	FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COGUSM11L_7500	Miramonte Reservoir	410	ACRES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COGUUG04L_6700	Taylor Park Reservoir	2,040	ACRES	FS - Agriculture, FS - Aquatic Life Cold 1, FS - Water Supply, FS - Primary Contact Recreation			1
COGUUG25_6800	Blue Mesa, Morrow Point and Crystal Reservoirs	10,127.64	ACRES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Cold 1			1
COGUUG29b_6800	Lake San Cristobal	312.172	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, NA - Aquatic Life Cold 1			3
COGUUN03L_7200	Ridgeway Reservoir	1,030	ACRES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation			1
COGUUN14_7200	Sweitzer Lake	125.6	ACRES	FS - Agriculture, NS - Aquatic Life Warm 1, FS - Primary Contact Recreation	Selenium, Dissolved Oxygen	Mineralization	5

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COLCLC09b_6500	Unnamed reservoir tributary to the Colorado River.	537	ACRES	NA - Water Supply, NA - Agriculture, NA Aquatic Life Cold 1, NA - Primary Contact Recreation			3
colclc13c_00	Walker Ponds	160	ACRES	FS - Agriculture, NS - Aquatic Life Warm 1, II - Primary Contact Recreation	Selenium	Mineralization	5
COLCLC19_6500	Corn, Island Acre, West Lakes & Walker Wildlife Area	17.93	ACRES	FS - Primary Contact Recreation, NS - Aquatic Life Warm 1, FS - Agriculture	Selenium	Mineralization	5
COLCLC19_6501	Highline Lake	160	ACRES	NA - Aquatic Life Warm 1, NA - Agriculture, NA - Primary Contact Recreation			3
COLCLY06b_00	Freeman Reservoir	31.2	ACRES	NA - Primary Contact Recreation, NA - Agriculture, NA - Aquatic Life Cold 1			3
COLCLY12b_00	Aldrich Lakes	56.6	ACRES	NA - Aquatic Life Cold 1, NA - Agriculture, NA - Primary Contact Recreation			3
COLCWH01L_8300	Trappers Lake	22.11	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Cold 1, NA - Agriculture			3
COLCWH10a_00	Lake Avery	300	ACRES	NA - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture, NA - Primary Contact Recreation			3
COLCWH11_8300	Rio Blanco Lake	117.08	ACRES	II - Aquatic Life Warm 1, FS - Agriculture, II - Primary Contact Recreation	pH	Mineralization	2

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COLCWH12L_8500	Taylor Draw Reservoir (Kenney Reservoir)	615	ACRES	FS - Agriculture, FS - Water Supply, FS - Aquatic Life Warm 1, FS - Primary Contact Recreation			1
CORGAL08_5500	Terrace Reservoir	141.98	ACRES	NA - Primary Contact Recreation, NS - Aquatic Life Cold 2, NA - Agriculture	Iron, Copper	Mining, Highway, road, bridge runoff	5
CORGAL11L_5600	La Jara Reservoir	800	ACRES	NS - Aquatic Life Cold 1, II - Primary Contact Recreation, FS - Agriculture	Dissolved Oxygen, Selenium, Copper,Zinc, pH	Mineralization	5
CORGAL14L_5800	Platoro Reservoir	947	ACRES	FS - Agriculture, II - Primary Contact Recreation, II - Water Supply, II - Aquatic Life Cold 1	pH	Mineralization	2
CORGAL22_00	Lakes and Reservoirs tributary to the Rio Grande - not in se	1,000	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Agriculture			3
CORGCB06_5600	San Luis Lake	530.48	ACRES	FS - Agriculture, FS - Primary Contact Recreation, NS - Aquatic Life Cold 1	Iron, Dissolved Oxygen, Ammonia	Mineralization	5
CORGCB07_5600	Head Lake	203.75	ACRES	NA - Aquatic Life Cold 2, NA - Agriculture, NA - Primary Contact Recreation			3
CORGRG03_5400	Rio Grande & Santa Maria Reservoirs	541	ACRES	NA - Aquatic Life Cold 2, NA - Primary Contact Recreation, NA - Agriculture			3
CORGRG27_5500	Smith Reservoir	674.46	ACRES	II - Aquatic Life Cold 1, II - Primary Contact Recreation, FS - Agriculture, II - Water Supply	pH	Mineralization	2

Appendix C: Use Attainment Table, Lakes and Reservoirs

Legend: FS - Fully Supporting, NS - Not Supporting, NA - Not Assessed, II - Insufficient Information

Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
CORGRG30L1_553D	Sanchez Reservoir	674.73	ACRES	NA - Water Supply, NA - Primary Contact Recreation, NS - Aquatic Life Cold 1, NA - Agriculture	FCA - mercury, Dissolved Oxygen	Source Unknown, Mineralization	5
COSJDO04L_743D	McPhee Reservoir	4,470	ACRES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Primary Contact Recreation, FS - Water Supply	FCA - mercury	Source Unknown, Mineralization	5
COSJLP11_9300	Puett and Totten Reservoirs	378.14	ACRES	NA - Agriculture, NS - Aquatic Life Warm 1, NA - Water Supply, NA - Primary Contact Recreation	FCA - mercury	Source Unkown	5
COSJLP11_933D	Narraguinnep Reservoir	577.5	ACRES	NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Water Supply, FS - Agriculture	FCA - mercury	Source Unkown	5
COSJPI07_8800	Hatcher Lake, Stevens Lake, Pagosa Lake, Village Lake and Fo	2.89	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Warm 1, NA - Agriculture			3
COSJPN03_8700	Vallecito Reservoir	2,654.58	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, NS - Aquatic Life Cold 1	FCA - mercury	Source Unkown	5
COSJSJ07_8700	Navajo Reservoir	2,600	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Agriculture, II - Aquatic Life Warm 1	FCA - mercury	Source Unkown	5
COSPBD02_0600	Standley Lake	1,188.79	ACRES	FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Water Supply, FS - Agriculture			1
COSPBD03_0600	Great Western Reservoir	139.68	ACRES	FS - Secondary Contact Recreation, FS - Agriculture, FS - Aquatic Life Warm 2, FS - Water Supply			1

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Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COSPBE01C_0500	Bear Creek Reservoir	116.78	ACRES	FS - Water Supply, FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Agriculture	Dissolved Oxygen	Source Unkown	2
COSPBT11_0900	Carter Lake	1,118.09	ACRES	NS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation	FCA - mercury	Source Unkown	5
COSPBT12_0900	Lake Loveland, Horseshoe Lake, Boyd Lake.	2,519.62	ACRES	NS - Aquatic Life Warm 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply	FCA - mercury	Source Unkown	5
COSPBT13_0900	Berthoud Reservoir, Johnstown Reservoir.	40.9	ACRES	NA - Agriculture, NA - Primary Contact Recreation, NA - Aquatic Life Warm 2, NA - Water Supply			3
COSPBT14_0900	Welch, Lonetree, and Lon Hagler Reservoirs; Boedecker Lake	597.25	ACRES	NA - Agriculture, NA - Aquatic Life Warm 1, NA - Primary Contact Recreation, NA - Water Supply			3
COSPCH02_0600	Cherry Creek Reservoir	916.22	ACRES	FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply, NS - Aquatic Life Warm 1			5
COSPCL17a_00	Arvada Reservoir	178	ACRES	NA - Aquatic Life Cold 2, NA - Water Supply, NA - Agriculture, NA - Primary Contact Recreation			3
COSPCP14_1000	Horsetooth Reservoir	1,807.08	ACRES	NS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation	Dissolved Oxygen, FCA - mercury	Source Unkown	5
COSPCP15_1000	Watson Lake	39.03	ACRES	NA - Agriculture, NA - Water Supply, NA Aquatic Life Cold 1, NA - Primary Contact Recreation			3

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Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COSPCP16_1000	Reservoir #4, Water Supply Reservoir #3, Claymore Lake, Coll	932.3	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 1, NA - Agriculture			3
COSPLS03_0600	Jackson, Riverside and Empire Reservoirs	8,628.82	ACRES	NA - Aquatic Life Warm 1, NA - Agriculture, NA - Primary Contact Recreation			3
COSPLS03_1500	Prewitt and Julelsburg Reservoirs	1,376.99	ACRES	NA - Agriculture, NA - Primary Contact Recreation, II - Aquatic Life Warm 1			3
COSPLS03_1501	North Sterling Reservoir	3,080	ACRES	FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture			1
COSPMS03a_0500	Horse Creek Reservoir	10	ACRES	NA - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Warm 2	pH	Mineralization	5
COSPMS04_0600	Barr Lake	1,724.85	ACRES	NS - Aquatic Life Warm 2, NA - Primary Contact Recreation, FS - Agriculture	pH	Unknown	5
COSPMS04L_00	Milton Reservoir	2,100	ACRES	FS - Agriculture, NS - Aquatic Life Warm 2, NA - Primary Contact Recreation	pH	Unknown	5
COSPRE02_2300	Stalker Lake	0.5	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Warm 1, NA - Agriculture, NA - Water Supply			3
COSPRE02_2400	Bonny Reservoir	1,830	ACRES	NA - Primary Contact Recreation, NA - Water Supply, NA - Aquatic Life Warm 1, NA - Agriculture			3

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Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COSPUS06B_0500	Chatfield Reservoir	1,124	ACRES	FS - Primary Contact Recreation, FS - Aquatic Life Cold 1, FS - Agriculture, NA - Water Supply			2
COSPUS16b_00	Aurora Reservoir	775	ACRES	FS - Primary Contact Recreation, FS - Aquatic Life Warm 1, FS - Agriculture			1
COSPUS16L1_063D	Mary Lake	9	ACRES	NA - Agriculture, NA - Primary Contact Recreation, FS - Aquatic Life Warm 2			2
COSPUS16L2_063D	Ladora Lake	49.32	ACRES	NA - Primary Contact Recreation, NA - Agriculture, FS - Aquatic Life Warm 2			2
COSPUS16L3_063D	Lower Derby Lake	97.88	ACRES	FS - Aquatic Life Warm 2, NA - Agriculture, NA - Primary Contact Recreation			2
COSPUS17A_0500	Washington Park, City Park, and Rocky Mnt. Lakes	27.66	ACRES	FS - Agriculture, NS - Aquatic Life Warm 1, FS - Primary Contact Recreation	FCA - mercury	Source Unkown	5
COSPUS17A_0600	Berkely Lake	21.69	ACRES	NA - Agriculture, NS - Aquatic Life Warm 1, NA - Primary Contact Recreation	FCA - mercury	Source Unkown	5
COSPUS17B_0500	Sloan Lake	167.84	ACRES	FS - Agriculture, FS - Primary Contact Recreation, FS - Aquatic Life Warm 1			1
COSPUS17C_0500	Bowles, a.k.a. Patrick Resv. or Bow Mar Lake	87.54	ACRES	FS - Primary Contact Recreation, FS - Agriculture, FS - Aquatic Life Warm 1			1

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Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COUCBL03_6200	Dillon Reservoir	3,345.34	ACRES	FS - Primary Contact Recreation, II - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply	Zinc, Cadmium	Mineralization	2
COUCBL17L_00	Green Mountain Reservoir	2,125	ACRES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COUCNP04L_0100	Lake John	612	ACRES	II - Primary Contact Recreation, II - Water Supply, II - Aquatic Life Cold 1, FS - Agriculture	pH	Mineralization	2
COUCNP04L_0101	South Delaney Lake	152	ACRES	II - Water Supply, II - Primary Contact Recreation, FS - Agriculture, II - Aquatic Life Cold 1	pH	Mineralization	2
COUCRF06L_00	Ruedi Reservoir	997	ACRES	NA - Aquatic Life Cold 1, NA - Primary Contact Recreation, NA - Agriculture, NA - Water Supply			3
COUCRF08L_6400	Beaver Lake	29	ACRES	FS - Aquatic Life Cold 1, FS - Water Supply, FS - Agriculture, FS - Primary Contact Recreation			1
COUCUC02L_6101	Grand Lake	500	ACRES	NA - Water Supply, NA - Agriculture, FS - Aquatic Life Cold 1, NA - Primary Contact Recreation			2
COUCUC02L_6102	Monarch Lake	170	ACRES	FS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture, FS - Water Supply			1
COUCUC02L_6103	Shadow Mtn Res.	1,337	ACRES	FS - Water Supply, NS - Aquatic Life Cold 1, FS - Primary Contact Recreation, FS - Agriculture	Dissolved Oxygen	Mineralization	5

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Waterbody ID	Assessment Unit Name	Total Size	Unit	Designated Uses	Causes	Sources	IR Category
COUCUC02L_6104	Lake Granby	7,256	ACRES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, FS - Aquatic Life Cold 1			1
COUCUC05_6100	Wolford Mountain Reservoir	1,550	ACRES	FS - Water Supply, FS - Primary Contact Recreation, FS - Agriculture, NS - Aquatic Life Cold 1	Dissolved Oxygen	Mineralization	5
COUCUC05L_6100	Williams Fork Reservoir	1,700	ACRES	NA - Primary Contact Recreation, NA - Aquatic Life Cold 1, NA - Water Supply, NA - Agriculture			3
COUCYA02BL_8100	Stagecoach Reservoir	780	ACRES	FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation, II - Aquatic Life Cold 1			2
COUCYA02BL2_8000	Steamboat Lake	1,011	ACRES	FS - Aquatic Life Cold 1, FS - Agriculture, FS - Water Supply, FS - Primary Contact Recreation			1

Appendix D: 2008 303(d) List and Monitoring and Evaluation List

2008 303(d) List **Note: This List is Contingent upon Final Adoption by the WQCC at its February 11, 2008 hearing.**				
WBID	**Segment Description**	**Portion**	**Impairment**	**Priority**
COAR	**Arkansas River Basin**			
COARFO01a	Fountain Creek and tributaries above Monument Creek	all	*E. coli*, Se	H/L
COARFO02a	Fountain Creek, Monument Creek to Hwy 47	all	**E. coli**	H
COARFO02b	Fountain Creek from Hwy 47 to the Arkansas River	all	Se	L
COARFO04	All tribs to Fountain Creek, which are not on National Forest or Air Force Academy Land	all	*E.coli*	H
COARFO06	Monument Creek from National Forest to Fountain Creek	~~all~~ Below Mesa Road	Se	L
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	~~Fe(trec),~~ 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	~~Fe(trec),~~ Se	L
COARLA04	Apishapa River, Timpas Creek, Lorencito Canyon	Timpas Creek	Fe(Trec)	H

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WBID	Segment Description	Portion	Impairment	Priority
COARLA05a	Purgatoire River from source to I-25	all	Se	L
COARLA05b	Trinidad Resrvoir, Long Canyon Reservoir, and Lake Dorothey	Trinidad Lake	Aquatic Life Use (Hg FCA)	H
COARLA07	Purgatoire River, I-25 to Arkansas River	all	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	*E. coli*	H
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…	Chicosa Creek	Fe(Ttrec), Se	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
~~COARMA02~~	~~Arkansas River, Pueblo Reservoir to Wildhorse Creek~~	~~all~~	~~Se~~	~~L~~

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WBID	Segment Description	Portion	Impairment	Priority
~~COARMA03~~	~~Arkansas River, Wildhorse Creek to Fountain Creek~~	~~all~~	~~Se~~	~~L~~
COARMA04a	Wildhorse Creek	all	~~Se,~~ *E. coli*	~~L/~~H
~~COARMA05~~	~~St. Charles River and tributaries, source to CF&I diversion~~	~~all~~	~~Se~~	~~L~~
COARMA06	St. Charles River and tributaries, CF&I diversion to Arkansas River	all	~~Fe(trec),~~ Se	L
COARMA10	Sixmile Creek	all	Fe(T~~t~~rec), Se	L
COARMA12	Huerfano River, from Muddy Creek to the Arkansas River	all	Se	L
~~COARMA13~~	~~Cucharas River, source to Walsenburg PWS diversion~~	~~all~~	~~Se, f. coliform~~	~~L/H~~
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)	H
COARMA18a	Boggs Creek	all	Se, Zn, U	H
COARUA02a	Arkansas River, Birdseye Gulch to California Gulch	all	Zn, NO_5	M
COARUA02b	Arkansas River, California Gulch to Lake Fork	all	Cd*, Zn*	H
COARUA02c	Arkansas River, Lake Fork to Lake Creek	all	Zn*,Cd	H
COARUA03	Arkansas River, Lake Creek to Pueblo Reservoir	~~Lake Creek to Badger Creek~~ all	Zn, Cd	H

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WBID	Segment Description	Portion	Impairment	Priority
COARUA05	Arkansas River tributaries from source to Brown's Creek	Halfmoon Creek	Pb, Cd	H
COARUA07	Evans Gulch from source to Arkansas River	all	Zn	M
CAORUA08b	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	pH, DO, Cu	H
COARUA11	South Fork Lake Creek, source to Lake Creek	all	pH, Al, Cu*, Zn, Cd	H
COARUA12a	Chalk Ck.	below Mary Murphy Mine	Zn, Pb	M
~~COARUA14b~~	~~Tributaries to the Arkansas River, from Pueblo Reservoir to Colorado Canal headgate~~	~~Teller Reservoir~~	~~Hg*~~	~~H~~
COARUA15	Grape Creek including De Weese Res., Texas, Badger, Hayden, Hamilton, Stout and Big Cottonwood Creeks, Newland Creek	De Weese Reservoir	D.O.	H
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	Aquatic Life Use (Hg FCA), D.O.	H
COGU	**Gunnison River Basin**			
COGULG02	Gunnison River, Uncompaghre River to Colorado River	all	Se*~~, temperature~~	H~~/L~~

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WBID	Segment Description	Portion	Impairment	Priority
COGULG04a	Tributaries to Gunnison River, Crystal Reservoir to Colorado River	all	Se	H
COGULG04b	Tributaries to Gunnison River, Kannah Creek	Kannah Creek below USGS station 09152000	Se	H
COGULG04c	Red Rock Creek within Black Canyon of the Gunnison National Park	all	Se	H
COGULG09	Fruitgrowers Reservoir	all	D.O.	H
COGUNF03	North Fork of the Gunnison from Black Bridge above Paonia to the confluence within the Gunnison	all	Se	H
COGUNF05	~~Tributaries to N. Fork Gunnison River, USFS boundary to N. Fork~~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, ~~Big Creek, Short Draw~~	Se*	H
COGUNF06a	Tributaries to N. Fork of Gunnison River not on USFS property	~~Cottonwood Creek~~ Big Creek, Short Draw	Se	~~L~~H
COGUNF06b	Bear, Reynolds, Bell, McDonald, Cottonwood, Love, Cow, Dever, German and Miller Creeks, Stevens, Big, Stingley and Alum gulch not on USFS property	Cottonwood Creek, Big Gulch	Se	H
COGUSM03a	San Miguel River, Bridal Veil & Ingram Creek to Marshall Creek	below Idarado Mine	Zn*	H
COGUSM03b	San Miguel River, Marshall Creek to S. Fork San Miguel	below Idarado Mine	Cd, Zn*	H
COGUSM06a	Ingram Creek, source to San Miguel River	all	Zn	H

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WBID	Segment Description	Portion	Impairment	Priority
COGUSM06b	Marshall Creek, source to San Miguel River	all	Zn*	H
COGUUG07	Slate River from source to Coal Creek	Below Oh-Be-Joyful Creek	Zn(sculpin)	H
COGUUG08	Slate River, Coal Creek to East River	all	Cd, Zn	H
COGUUG10	Oh-Be-Joyful Creek and tributaries from wilderness to Slate River	all	Cd, Cu, Pb, Zn	H
COGUUG11	Coal Creek from Elk Creek to Crested Butte water supply intake, plus Elk Creek	all	Cd, Pb, Zn	H
COGUUG12	Coal Creek and tributaries from Crested Butte water supply intake to Slate River	Coal Creek	Cd, Zn	H
COGUUG30	Henson Creek mainstem and tribs	all	Cd, Zn(sculpin)	H
COGUUG31	Palmetto Gulch	all	Cd, Zn	M
COGUUN02	Uncompahgre River, source to Red Mountain Creek	all	Cd, Cu, Zn	H
COGUUN03a	Uncompahgre River, Red Mountain Creek to Montrose	all	Cd, Cu, Fe(Ttrec)	H
COGUUN04b	Uncompaghre River, La Salle Road to Confluence Park	all	Se*	H
COGUUN04c	Uncompaghre River, Confluence Park to Gunnison River	all	Se*	H
COGUUN06a	Red Mountain Creek, source to East Fork Red Mountain Creek	all	Zn(sculpin)	H
~~COGUUN09~~	~~Canyon Creek, Imogene Creek, Sneffles Creek~~	~~all~~	~~Zn~~	~~M~~

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COGUUN12	Tributaries to Uncompahgre River, South Canal to Gunnison River	all	Se	H
COGUUN14	Sweitzer Lake	all	Se*, D.O.	H
COGULD01	Dolores River from Bradfield Ranch to Little Gypsum Valley bridge	all	Fe(Trec)	H
COGULD02	Dolores River from Little Gypsum Valley bridge to Colorado/Utah border	all	Fe(Trec)	H
COLC	**Lower Colorado River Basin**			
COLCLC02	Colorado River, Parachute Creek to Gunnison River	all	Se	M
COLCLC03	Colorado River, Gunnison River to state line	all	Se, Fe(Trec)	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	Mamm Creek	Se	L
COLCLC10	Rifle Creek, including tributaries from County Road 251 to Colorado River	all	Se	L
COLCLC13a	Tributaries to Colorado River blw Parachute Creek, except named segments	Salt Creek	sediment	L
COLCLC13b	Tributaries to Colorado River from Government Highline Canal Diversion to Salt Creek	~~tributaries on the north side of the river~~all	Se	M

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COLCLC13b	Tributaries to Colorado River from Government Highline Canal Diversion to Salt Creek	Adobe Creek	*E.coli*, Fe(Trec)	H
COLCLC13c	Walker Wildlife Area Ponds	all	Se	M
COLCLC14b	Roan Creek & tribs, Clear Creek to the Colorado River	Dry Fork	Se	L
COLCLC19	Lakes and reservoirs tributary to the Colorado River, Parachute Creek to the border	West Pond Orchard Mesa Wildlife Area	Se	H
COLCLY02	Yampa River, Lay Creek to Green River	all	Fe(Trec)	H
COLCLY05	Fortification Creek from North and South Fork to the Yampa River	all	Se	L
COLCLY16	Little Snake River from Power Wash to the Yampa River	all	Fe(Trec)	L
COLCWH09b	Flag Creek and Sulphur Creek	~~Flag Creek~~all	Se	L
COLCWH13b	Mainstem of Yellow Creek, including all tributaries from the source to the confluence with the White River	Corral Creek, Duck Creek	Se	L
COLCWH22	Tributaries to White River, Douglas Creek to Colorado/Utah border	West Evacuation Wash, Douglas Creek	sediment	L
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
CORGAL03b	Alamosa River, from Wightman Fork to Fern Creek	Above Jasper Creek	Cd	H

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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	D.O.	H
CORGAL13	Hot Creek from source to La Jara Creek	all	Fe(Trec)	H
CORGCB06	San Luis Lake	all	D.O., NH_3, Fe(Ttrec)	H
CORGCB09a	Kerber Creek above Brewery Creek and tributaries, except those in segment 8	all	~~Ag*~~, Cd*, ~~Pb, pH~~	H
CORGCB09b	Kerber Creek, Brewery Creek to San Luis Creek	all	~~Cd*~~, Cu*, ~~Zn*~~	H
CORGRG04	Rio Grande River, Willow Creek to Alamosa County line	Cd Willow Creek to Wagon Wheel Gap, Zn Willow Creek to Del Norte, Cu Del Norte to county line	Cd*, Zn*, Cu	H
CORGRG07	West Willow Creek ~~from Park Regent Mine to confluence with Rio Grande~~, East Willow Creek, Willow Creek and tributaries	~~Willow Creek from confluence of E and W Willow Creek~~ 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

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CORGRG28	Rito Seco, from source to Salazar Reservoir	Upper Rito Seco blw Battle Mtn	*E.coli*	H
CORGRG30	Culebra Creek, including all tributaries, lakes, and reservoirs from HWY 159 to the Colorado/New Mexico border	Sanchez Reservoir	Aquatic Life Use(Hg* FCA), D.O.	H
COSJ	**San Juan River Basin**			
COSJDO04	Dolores River, Bear Creek to Bradfield Ranch Bridge	McPhee Reservoir	Aquatic Life Use(Hg* FCA)	H
COSJDO09	Silver Creek from Rico DW diversion to Dolores River	all	Zn, Cd	H
COSJLP03a	All Tributaries to the La Plata River from Hay Gulch to the Southern Ute Indian reservation boundary	Cherry Creek	Fe(Trec)	L
COSJLP04a	Mancos River and tributaries above HWY 160	E. Mancos River	Cu	H
COSJLP04a	Mancos River and tributaries above HWY 160	all	Zn	L
COSJLP11	Narraguinnep, Puett, and Totten Reservoir	Narraguinnep Reservoir Totten Reservoir	Aquatic Life Use(Hg* FCA)	H
COSJPN03	Vallecito Reservoir	Vallecito Reservoir	Aquatic Life Use (Hg FCA)	H
COSP	**South Platte River Basin**			
COSPBE02	Bear Creek below Bear Creek Reservoir to South Platte River	all	*E.coli*	H

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WBID	Segment Description	Portion	Impairment	Priority
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	*E. coli*, Se	H/L
COSPBO02	Boulder Creek, Indian Peaks Wilderness to South Boulder Creek	below 13th Street in Boulder	**E. coli**	H
COSPBO04a	South Boulder Creek and tributaries from source to outlet of Gross Reservoir	Gamble Gulch	Cu, Zn, pH	H
COSPBO07b	Coal Creek, HWY 36 to Boulder Creek	all	**E. coli**	H
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	all	**E. coli**	H
COSPBT02	Big Thompson River and tribs, RMNP to Home Supply Canal diversion	Fish Creek below Marys Lake	pH, Cu	H
COSPBT05	Big Thompson River, I-25 to S. Platte River	all	Se, NH_3	L
COSPBT09	Little Thompson River, Culver Ditch to Big Thompson River	all	Cu Se, *E. coli*, Aquatic Life Use	M/L/H/M
COSPBT10	Tributaries To the Little Thompson River	Big Hollow	Se	L
COSPBT11	Carter Lake	Carter Lake	Aquatic Life Use (Hg FCA)	H
COSPBT12	Lake Loveland, Horseshoe Lake, Boyd Lake	Boyd Lake	Aquatic Life Use (Hg FCA)	H
COSPCH02	Cherry Creek Reservoir	all	chlorophyll a	M
COSPCL02	Mainstem of Clear Creek, I-70 Bridge above Silver Plume to Argo Tunnel	mainstem	Cu*, ~~Pb,~~ Zn*	H
COSPCL03a	Mainstem of S. Clear Creek	all	Zn	M
COSPCL03b	Leavenworth Creek	all	Pb, Zn	M

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WBID	Segment Description	Portion	Impairment	Priority
COSPCL06	West Clear Creek tributaries	Mad Creek	Zn	M
COSPCL09a	Fall River & tributaries, source to Clear Creek	Fall River	Cu	M
COSPCL09b	Trail Creek & tributaries, source to Clear Creek	all	Cd, Cu, Pb, Zn	M
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	all	~~Cd,~~ Pb, Zn*	H
COSPCL13b	N. Clear Creek & tributaries, lowest water supply intake to Clear Creek	Mainstem of N. Clear Creek	Cd*, Fe(trec), Mn*, Zn*, Aquatic Life Use*	M
COSPCL14b	Clear Creek, Denver Water conduit #16 to Youngfield St	all	*Aquatic Life* Use, organic sediment	L
COSPCL15	Clear Creek, Youngfield St. to S. Platte River	all	*E. coli*, Aquatic Life Use, organic sediment	H/L
COSPCL18a	Ralston Creek and tributaries below Arvada Reservoir	Ralston Creek	**E. coli**	H
COSPCP10	Cache la Poudre River, Monroe Canal to Shields Street	below confluence with North Fork	***pH, Cu, Aquatic Life Use***	M
COSPCP12	Cache la Poudre River, Box Elder Creek to S. Platte River	all	***Se***	L
COSPCP12	Cache la Poudre River, Box Elder Creek to S. Platte River	below Eaton Draw	**E. coli**	H
COSPCP13a	All tributaries to the Cache La Poudre River, including all lakes reservoirs and wetlands, from the North Fork of the Cache La Poudre River to the confluence with the South Platte River	Fossil Creek	Se	L
COSPCP13b	Boxelder Creek from source to the Cache la Poudre River	all	Se	L

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COSPCP14	Horsetooth Reservoir	all	D.O., Aquatic Life Use (Hg FCA)	L/H
COSPLS02b	Tributaries to S Platte River, Beaver Creek, Bijou Creek and Kiowa Creek	Beaver Creek	Se, *E. coli*	L
COSPMS03a	Tributaries to S. Platte River, Big Dry Creek to Weld/Morgan county line	Horse Creek Reservoir	pH	L
COSPMS04	Barr Lake and Milton Reservoir	all	pH	M
COSPSV02	St. Vrain Creek, RMNP to Hygiene Road	all	Cu	H
COSPSV04a	Left Hand Creek, source to Hwy 36	pH, Cu, Zn (Hwy 72 to James Ck); Cu blw James Ck	pH, Cu, Zn	M
COSPSV04b	James Creek, Little James Creek	Little James Creek	Cu, Pb	M
COSPSV06	Tributaries to the St Vrain River	Dry Creek	**E. coli**	H
COSPSV06	Tributaries to the St Vrain River	all	Se	L
COSPUS02a	Tributaries to S. Platte R, source of S. & M. Forks to Tarryall Creek	Twin Creek	sediment	L
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Trout Creek and tributaries on USFS property	sediment*	M
COSPUS04	N. Fk. S. Platte River & Tributaries, source to S.Platte R	Hall Valley area to Geneva Ck	Cu*	H
COSPUS05b	Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	all	~~Cu,~~ Zn*	H
~~COSPUS14~~	~~S. Platte River, Bowles Ave. to Burlington Ditch~~	~~all~~	~~E. coli*~~	~~H~~

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COSPUS15	S. Platte River, Burlington Ditch to Big Dry Creek	~~Clear Creek to Fulton Canal diversion and Burlington canal headgate to MWRD.~~all	**E. coli**	H
COSPUS16a	Sand Creek	all	Se, *E. coli*	L/H
COSPUS16c	Tributaries to S. Platte River, Chatfield Reservoir to Big Dry Creek except specific listings	East Toll Gate Creek, West Toll Gate Creek, Toll Gate Creek	Se	L
~~COSPUS17a~~	~~Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkley Lake~~	~~Berkley Lake~~	~~As~~	~~H~~
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkley Lake	Berkley Lake, Rocky Mountain Lake	Aquatic Life Use (Hg FCA)	H
COUC	**Upper Colorado River Basin**			
COUCBL06	Snake River and tributaries, source to Dillon Reservoir	Snake R. mainstem, Sts. John Creek	pH, Cd*, Cu*, Pb*, Zn*	H
COUCBL07	Peru Creek, source to Snake River	all	Cd*, Cu*, Pb, Mn, Zn, pH	H
COUCBL12	Illinois Gulch and Fredonia Gulch	Illinois Gulch	Zn	M
~~COUCEA05~~	~~Eagle River, Belden to Gore Creek~~	~~all~~	~~Cu, Zn*~~	~~H~~
COUCEA05a	Eagle River, Belden to Hwy 24 Bridge	all	Cu, Zn*	H
COUCEA05b	Eagle River, Hwy 24 Bridge to Martin Creek	all	Zn*	H

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WBID	Segment Description	Portion	Impairment	Priority
COUCEA05c	Eagle River, Martin Creek to Gore Creek	all	Zn*	H
COUCEA06	Tributaries to Eagle River, Belden to Lake Creek, except specific segments	Black Gore Creek, adjacent to I-70	sediment	H
COUCEA07b	Cross Creek, ~~source to Eagle River except segment 1~~Minturn Middle School to Eagle River	~~lower portion~~all	Cu, Zn*	H
COUCNP04	Tribs to the N Platte exc Segs 1, 5, 6, & 7	Illinois River	Fe (T~~t~~rec)	M
COUCNP07	Government Creek, Spring Creek	Spring Creek	D.O.	M
COUCUC02	Colorado River and tributaries, wetlands, lakes and reservoirs within Arapahoe National Recreation Area	Shadow Mountain Lake	D.O.	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.	H
COUCUC07~~b~~a	~~Muddy Creek and tribs~~ 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 (T~~t~~rec), Se	L
COUCYA08	Elk River source to Yampa River	Elk River below Morin Ditch	*E.coli*	H
COUCYA13d	Dry Creek and tribs	Hubberson Gulch	Fe(Trec)	M
COUCYA13e	Sage Creek, Grassy Creek and tribs	Sage Creek below Routt County Road 51D	Se	M

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COUCYA13e	Sage Creek, Grassy Creek and tribs	Grassy Creek below Routt County Road 27A	Se	M
COUCYA13d	Dry Creek	Below Seneca sample location 8 (WSD5)	Se	L*
COUCYA20	Tributaries to the Yampa River above Elkhead Creek within National Forest	First Creek below Second Creek, Elkhead Creek below First Creek	*E. coli*	*H*

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WBID	**Segment Description**	**Portion**	**Parameter**
COAR	**Arkansas River Basin**		
COARFO02a	Fountain Creek, Monument Creek to Hwy 47	all	Se
COARFO03	Tributaries to Fountain Creek on USFS or AFA lands, Monument Creek to Arkansas River	Fourmile Creek, on USFS Land	sediment
COARFO03	Tributaries to Fountain Creek on USFS or AFA lands, Monument Creek to Arkansas River	Bear Creek on USFS Land	sediment

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WBID	**Segment Description**	**Portion**	**Parameter**
COARFO03	Tributaries to Fountain Creek on USFS or AFA lands, Monument Creek to Arkansas River	Cheyenne Creek, on USFS Land	sediment
COARLA05b	Trinidad Reservoir, Long Canyon Reservoir, and Lake Dorothey	Trinidad Lake	D.O.
COARLA07	Purgatoire River, I-25 to Arkansas River	all	sediment
~~COARLA09a~~	~~Mainstem of Adobe Creek and Gageby Creek…~~	~~Horse Creek~~	~~Cu~~
COARLA09c	Rule Creek, Muddy Creek, Caddoa Creek, Clay Creek, Cat Creek…	Rule Creek	Zn
~~COARLA11~~	~~John Martin Reservoir~~	~~all~~	~~Se~~
COARMA04a	Wildhorse Creek	all	NO_2~~,NO$_3$~~
COARMA06	St Charles River from CF&I diversion canal to the Arkansas River	all	U
COARMA07	Greenhorn Creek, including all tributiaries, from source to Greenhorn Highline Diversion Dam; Graneros Creek; North Muddy Creek	Below Greenhorn Creek trailhead	Cu, Zn
COARMA09	Greenhorn Creek, including tributaries, from Greenhorn Highline Diversion Dam to the St. Charles River	all	Se
COARMA14	Cucharas River from the Walsenburg public water supply to the outlet of Cucharas Reservoir	all	*E.coli*
~~COARMA18a~~a	~~Boggs Creek~~	~~all~~	~~NO_2,NO$_3$, D.O.~~

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COARUA05	All tributaries to the Arkansas river including wetlands, lakes and reservoirs from the source to Browns Creek	Turquoise Lake	D.O.
COARUA13	Tributaries of Arkansas River on USFS Land, Browns Creek to Pueblo Reservoir	E. Beaver Creek on USFS Land, below Penrose-Rosemont Reservoir, Middle Beaver Creek	sediment
COARUA14b	Tributaries to the Arkansas River, from Pueblo Reservoir to Colorado Canal headgate	Teller Reservoir	Hg*
COARUA20	Fourmile Creek and tributaries, Cripple Creek to Arkansas River	North Fork Wilson Creek below Independence Mine	As, Cu
COARUA27	Mainstem of Eightmile Creek, including all tributaries, wetlands, lakes and reservoirs, from the source to the mouth of Phantom Canyon; Brush Hollow Reservoir	Brush Hollow Reservoir	pH
COGU	**Gunnison River Basin**		
~~COGULD03~~	~~Tributaries to Dolores River from Bradfield Ranch to Utah border~~	~~Salt Creek~~	~~Se~~
COGULG02	Gunnison River, Uncompaghre River to Colorado River	all	sediment
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
COGULG07	Surface, Ward, Tongue, Youngs, and Kiser Creeks not on USFS land	Tongue Creek, Ward Creek	Se
COGULG07	Surface, Ward, Tongue, Youngs, and Kiser Creeks not on USFS land	Surface Creek	Fe (Trec)

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WBID	**Segment Description**	**Portion**	**Parameter**
COGULG11a	Tributaries to the Smith Fork	Lunch Creek	sediment
COGUNF06a	Tributaries to the North Fork of the Gunnison not on USFS lands	Coal Gulch, Hawksnest Creek, Gribble Gulch	Fe(Trec)
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)
COGUSM02	Tributaries to the San Miguel River from the source to Leopard Creek	Bilk Creek	Cd
COGUSM03a	San Miguel River from Bridal Veil and Ingram Creeks to Marshall Creek	all	Cd
COGUSM06a	Ingram Creek, source to San Miguel River	all	Cd, Mn
COGUSM06b	Marshall Creek and tributaries from source to San Miguel River	all	Cd, Cu, Pb
COGUSM07a	Howard Fork and tribs	all	Fe(Trec)
~~COGUSM07b~~	~~Waterfall Creek and tributaries, source to Howard Fork~~	~~all~~	~~Pb~~
COGUUG07	Slate River from Source to Coal Creek	Below Oh-Be-Joyful Creek	Cd
~~COGUUG09~~	~~Tributaries to Slate River exc in wilderness areas~~	~~Redwell Basin~~	~~Cd, Cu, Pb, Zn~~

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WBID	**Segment Description**	**Portion**	**Parameter**
COGUUG16	Ohio Creek and tributaries source to Gunnison River	all	Zn(sculpin)
COGUUG17	Antelope Creek and tributaries source to Gunnison River	all	D.O.
COGUUG18	Tomichi Creek source to Gunnison River	all	*E. coli*
~~COGUUG26~~	~~Tributaries to Gunnison River between Blue Mesa & Crystal Reservoir on USFS Land~~	~~Camp Creek~~	~~Cu, Pb~~
COGUUG29a	Lake Fork of the Gunnison River and tributaries from source to Blue Mesa Reservoir	Deadman Gulch	Cd, Cu, Mn, Zn
COGUUG31	Palmetto Gulch Creek and tributaries	all	Cu
COGUUG32	North Fork of Henson Creek and tributaries from source to Henson Creek	all	Pb, Zn(sculpin)
~~COGUUN03~~	~~Uncompahgre River, Red Mountain Creek to Montrose~~	~~all~~	~~Zn~~
COGUUN03b	Ridgway Reservoir	Ridgway Reservoir	D.O (temperature).
COGUUN04a	Uncompaghre River, HWY 90 to La Salle Road	all	sediment
COGUUN04b	Uncompaghre River, La Salle Road to Confluence Park	all	sediment
COGUUN04c	Uncompaghre River, Confluence Park to Gunnison River	all	sediment
~~COGUUN05~~	~~Tributaries of Uncompahgre River, source to Dexter Creek~~	~~Corkscrew Gulch~~	~~Cd, Cu, Pb, Zn~~

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WBID	**Segment Description**	**Portion**	**Parameter**
COGUUN06a	Red Mountain Creek from source to East Fork Red Mountain Creek	all	Cu
COGUUN07	Gray Copper Gulch from source to Red Mountain Creek	all	Fe(Trec)
COGUUN08	Mineral Creek, source to Uncompahgre River	all	Cd, Cu, Zn
COGUUN09	Canyon Creek, Imogene Creek, Sneffles Creek	all	Zn
COGUUN09	Canyon Creek, Imogene Creek, Sneffles Creek	Canyon Creek	Pb
COGUUN10	All tributaries to the Uncompahgre River from Dexter Creek to the South Canal	Alkali Creek	Se
COGUUN11	Coal, Dallas, Cow, Billy, Onion, Beaton, Beaver and Pleasant Valley Creeks	Billy Creek, Onion Creek	Se
COGUUN15b	~~Portions of Happy Canyon, Hoprsefly Creek, and Dry Creek~~ Dry Creek from East and West Forks to Coalbank Canyon Creek	Dry Creek Watershed	sediment
COLC	**Lower Colorado River Basin**		
COLCLC01	Colorado River, Roaring Fork River to Parachute Creek	all	sediment
COLCLC02	Colorado River, Parachute Creek to Gunnison River	all	sediment
COLCLC04a	Tributaries to Colorado River, Roaring Fork to Parachute Creek Exc. specific segments	~~Mamm Creek,~~ S. Canyon Creek	Fe (Trec)

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WBID	**Segment Description**	**Portion**	**Parameter**
COLCLC04a	Tributaries to Colorado River, Roaring Fork to Parachute Creek Exc. specific segments	Alkali Creek	*E.coli*, Cu, Fe(Trec), Pb, Zn
COLCLC04a	Tributaries to Colorado River, Roaring Fork to Parachute Creek Exc. specific segments	Indian Wash	D.O., *E.coli*, Fe(Trec), Se
COLCLC04b	South Canyon Hot Springs	all	D.O., Se
COLCLC09a	Rifle Creek, including tributaries from source to County Road 251	West Rifle Creek	Fe(Trec)
COLCLC10	Rifle Creek, including tributaries from County Road 251 to Colorado River	all	*E.coli*
COLCLC11h	Parachute Creek from West and East Forks to the confluence with Colorado River	all	Fe(Trec)
COLCLC14b	Roan Creek, including tributaries from Clear Creek to the confluence with the Colorado River	all	*E.coli*, Fe(Trec)
COLCLC15	Plateau Creek, including tributaries from source to Colorado River	all	Fe(Trec), Se
COLCLC19	Lakes and reservoirs tributary to the Colorado River from Parachute Creek to the Utah border	Maggio Pond, Peters Ponds 1, 2, 3, & 4	Se
COLCLY02	Yampa River, Lay Creek to Green River	all	sediment

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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
COLCLY07	Little Bear Creek, including all tributaries from source to Dry Creek	all	Cu, Zn
COLCLY16	Little Snake River, Powder Wash to Yampa	all	sediment, ~~f. coliform~~
COLCLY17a	Tributaries to the Little Snake River	all	*E.coli*, Fe(Trec)
COLCLY18	Slater Creek, including tributaries from source to Little Snake Creek	all	Se
COLCLY22b	Vermillion Creek from Hwy 318 to Green River	all	*E.coli*, Fe(Trec)

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WBID	**Segment Description**	**Portion**	**Parameter**
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
~~COLCWH09~~	~~Tributaries to White River, confluence of N. & S. Forks to Piceance Creek~~	~~Flag Creek~~	~~pH~~
COLCWH09a	Tributaries to the White River from North and South Forks to Peceance Creek not within the boundary of National Forest lands except segments 9b and 10b.	Strawberry Creek	Cu, Zn
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
COLCWH16	All tributaries to Piceance Creek, including all wetlands, lakes and reservoirs, from the source to the confluence with the White River	Ryan Gulch	*E.coli*, ~~Fe(Trec)~~
COLCWH22	Tributaries to White River, Douglas Creek to Colorado/Utah border	Soldier Creek	sediment
COLCWH23	Mainstem of East Douglas Creek and West Douglas Creek including all tributaries from their sources to the confluence	East Douglas Creek	Fe(Trec)
CORG	**Rio Grande River Basin**		

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CORGAL02	Alamosa River, from source to confluence with Alum Creek	All	pH, Fe(Trec)
CORGAL03b	Alamosa River, from Wightman Fork to Fern Creek	Above Jasper Creek	Se
CORGAL11	La Jara Creek from source to Hot Creek	La Jara Reservoir	pH, Cu, Se, Zn
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	~~Bitter Creek, Wightman Fork Tribs – pH, Mn~~ All	pH, Cu,Cd Fe(Trec), Mn, Zn
CORGCB02	La Garita Creek, source to 38 Rd, Carnero Creek, source to 42 Rd	La Garita Creek	Fe(Trec)
CORGCB05	San Luis Creek, from Piney Creek to San Luis Lake	Lower San Luis Creek	D.O.
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	S Clear Creek	Fe(Trec)
CORGRG04	Rio Grande River, Willow Creek to Alamosa County line	abv Willow Creek to Wagon Wheel Gap	pH
CORGRG05	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	Cd, Cu, Pb, Zn,

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CORGRG13	Rio Grande River, Conejos County Road G to Colorado/New Mexico border	all	sediment
CORGRG27	Smith Reservoir	Smith Reservoir	pH
COSJ	**San Juan River Basin**		
~~COSJLP04~~	~~Mancos River and tributaries above HWY 160~~	~~E. Mancos River~~	~~pH, Zn~~
~~COSJLP08a~~	~~Tributaries to McElmo Creek~~	~~Mud Creek~~, Crow Canyon	~~Fe(Trec), Se, NO_3~~
~~COSJLP08a~~	~~Tributaries to McElmo Creek~~	~~Crow Canyon~~	~~Fe(Trec), NO_3~~
COSJLP08a	Tributaries to McElmo Creek	~~Hartmann Draw, Ritter Draw~~all	Fe(Trec),
COSJPI06a	Tributaries to the Piedra River	Stollsteimer Creek above Southern Ute Boundary	sediment
COSJSJ03	Little Navajo River, including tributaries from the San Juan-Chama diversion to the San Juan River	all	*E.coli*
COSJSJ08	Navajo Reservoir	Navajo Reservoir	Aquatic Life Use (Hg FCA)
~~COSJSJ09a~~	~~Mainstem Rio Blanco River, wilderness area to Southern Ute Reservation~~	~~Lower Rio Blanco R blw Hwy 84~~	~~sediment~~
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.~~	~~Big Dry Creek below York Street~~	~~Fe(Trec)~~

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~~COSPBE01a~~	~~Mainstem of Bear Creek, Source to Harriman Ditch~~	~~below Evergreen Lake~~	~~Aquatic Life Use, temperature~~
COSPBE01c	Bear Creek Reservoir and Soda Lakes	Bear Creek Reservoir	D.O.
COSPBO08	All tributaries to South Boulder Creek, including all lakes, reservoirs and wetlands from South Boulder Road to the confluence with Boulder Creek and all tributaries to Coal Creek, including all lakes, reservoirs and wetlands from Highway 93 to the confluence with Boulder Creek	Rock Creek	*E. coli*, Fe (trec), Se
COSPBO09	Boulder Creek, S. Boulder Creek to Coal Creek	all	Aquatic Life
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	all	Aquatic Life
COSPBT02	Big Thompson River and tribs, RMNP to Home Supply Canal diversion	all	Ag, Sulfide
COSPBT04b	Big Thompson River, Greeley-Loveland Canal diversion to CR11H	all	Se
~~COSPBT09~~	~~Little Thompson River, Culver Ditch to Big Thompson River~~	~~all~~	~~Aquatic Life Use~~
COSPCH02	Cherry Creek Reservoir	all	D.O.
~~COSPCP10~~	~~Cache La Poudre River, Monroe Canal to Shields St.~~	~~below the confluence with the North Fork~~	~~Aquatic Life Use~~
COSPLS01	S. Platte River, Weld/Morgan Co. line to CO/NE line	All	Aquatic Life Use
~~COSPRE03~~	~~N. Fork Republican River source to stateline~~	~~all~~	~~sediment~~

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COSPSV02	St. Vrain Creek, RMNP to Hygiene Rd.	below Button Rock Reservoir	sediment
COSPSV03	St. Vrain Creek, Hygiene Rd. to S. Platte River	all	Aquatic Life Use, *E. coli*
COSPUS02a	Tributaries to S. Platte River, source to Tarryall Creek	Salt Creek d/s of N. Fork, on USFS Land	sediment, temperature
COSPUS02a	Tributaries to S. Platte River, source to Tarryall Creek	Twin Creek, on USFS Land	temperature
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	Sugar Creek, on USFS Land	sediment
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Trail Creek, on USFS Land	sediment, temperature
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Wigwam Creek, Flying G Ranch to S. Platte River	sediment
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Spring Creek and tributaries, on USFS Land	sediment
COSPUS03	Tributaries to S.Platte River, Tarryall Creek to N.Fk.S.Platte R	Horse Creek, on USFS Land	sediment, temperature
COSPUS04	N. Fk. S. Platte River & Tributaries, source to S.Platte R	N Fk S Platte R, Buffalo Cr to S Platte R	sediment
COSPUS04	N. Fk. S. Platte River & Tributaries, source to S.Platte R	Buffalo Ck, Indian Ck to S Platte R	sediment
COSPUS04	N. Fk. S. Platte River & Tributaries, source to S. Platte R	Kenosha Creek	sediment

Appendix D: 2008 303(d) List and Monitoring and Evaluation List

2008 Monitoring and Evaluation List **Note: This List is Contingent upon Final Adoption by the WQCC at its February 11, 2008 hearing.**			
WBID	**Segment Description**	**Portion**	**Parameter**
COSPUS05a	Geneva Creek above Scott Gomer Creek	all	Cd, Cu, Zn
COSPUS05b	Mainstem Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	all	sediment
COSPUS06a	S. Platte River, N. Fk. S. Platte River to Chatfield Reservoir	S Platte R, N Fk S Platte to Strontia Spg. Res	sediment
COSPUS11b	Tributaries to W. Plum Creek, not on USFS Land	Spring Creek, Bear Creek	Aquatic Life Use
COSPUS17a	Washington Park Lakes, City Park Lake, Rocky Mountain Lake, Berkley Lake	Berkley Lake	As
COUC	**Upper Colorado River Basin**		
~~COUCBL03~~	~~Dillon Reservoir and tribs~~	~~Dillon Reservoir~~	~~PO_4~~
COUCBL03	Dillon Reservoir and tribs	Gold Run Gulch below Jessie Mine	Cd, Zn
COUCBL03	Dillon Reservoir and tribs	South Branch Swan Rive below Royal Tiger Mine	Zn
~~COUCBL06~~	~~Snake River and tributaries, source to Dillon Reservoir~~	~~Camp Creek, Jones Gulch~~	~~pH~~
COUCBL08	Keystone Ck, Chihuahua Ck, N Fk Snake R and all tribs	Keystone Creek, Mozart Creek	pH
COUCBL18	All tributaries to the Blue River, including wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir	Slate Creek	*E.coli*
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)

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WBID	**Segment Description**	**Portion**	**Parameter**
COUCEA10	All tributaries to the Eagle River from Lake Creek to the Colorado River	Eby Creek	Se
COUCNP01	Tribs to the N Platte & Encampment Rivers w/in Wilderness Areas	South Fork Big Creek	Cu, *E.coli*
COUCNP04	Aall tributaries to N. Platte River except segments 1, 5, 6, 7	Grizzly Creek, Little Grizzly Creek	Aquatic Life Use
COUCNP04	All tributaries to N. Platte River except segments 1, 5, 6, 7	Little Grizzly Creek	*E.coli*, Fe(Trec)
COUCNP04	Aall tributaries to N. Platte River except segments 1, 5, 6, 7	Snyder Creek, Parkview Creek Watershed	sediment
COUCNP04	All tributaries to N. Platte River except segments 1, 5, 6, 7	Lake John, North Delaney Lake	pH
COUCNP04	All tributaries to N. Platte River except segments 1, 5, 6, 7	Lake Creek	pH, Fe(Trec)
COUCRF03a	Roaring Fork including all tributaries and wetlands from Hunter Creek to the Colorado River except segments 3b through 10	Capitol Creek	Se
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)
COUCRF10	Thompson Creek including all tributaries and wetlands from the source to the Crystal River	Thompson Creek	Fe(Trec)
~~COUCUC05~~	~~Lakes and reservoirs tributary to the Colorado River, RMNP to Roaring Fork River~~	~~Wolford Mountain Reservoir~~	~~D.O.~~

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WBID	**Segment Description**	**Portion**	**Parameter**
~~COUCUC04~~	~~A~~all tributaries to the Yampa River above Elkhead Creek within National Forest	~~Big Rock Creek, Little Rock Creek~~	~~*E. coli*~~
COUCUC06b	Mainstem of unnamed tributary from the headwaters to Willow Creek Reservoir Road	all	D.O.
COUCUC07~~b~~a	Muddy Creek and tribs	all	temperature
COUCUC10	Mainstem of the Fraser River, including tributaries and wetlands from the source to the confluence with the Colorado River, except for tribs included in segment 9	all	Cu
COUCYA02a	Yampa River, Bear River and Wheeler Creek to Elkhead Creek	all	temperature
COUCYA2b	Stagecoach Reservoir	all	D.O. (temperature)
COUCYA03	all tributaries to Yampa River except for specific listings, on USFS land	First Creek in Elkhead Watershed	sediment
COUCYA03	all tributaries to Yampa River except for specific listings, on USFS land	Bushy Creek, Morrison Creek Watershed	sediment

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WBID	**Segment Description**	**Portion**	**Parameter**
COUCYA03	all tributaries to Yampa River except for specific listings, on USFS land	Little Morrison Creek	Zn
COUCYA04	Little White Snake Creek, source to Yampa River	all	D.O.
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	*E.coli*
~~COUCYA13b~~	~~Foidel Creek and tributaries, Fish Creek, Middle Creek and tributaries~~	~~Foidel Creek~~	~~E. coli~~
~~COUCYA13b~~	~~Foidel Creek and tributaries, Fish Creek, Middle Creek and tributaries~~	~~Middle Creek~~	~~E. coli~~
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
COUCYA18	Little Snake River including all tributaries and wetlands from forest boundary to Wyoming border	all	Cu
COUCYA19	all tributaries to Little Snake River on USFS lands in Routt County	Oliver Creek	sediment