

OPEN-FILE REPORT 99-9

# **DIRECTORY OF COLORADO WATER QUALITY DATA**

By

George R. Weber  
Center for Community Development and Design,  
University of Colorado at Colorado Springs

and

Matthew A. Sares  
Colorado Geological Survey



Colorado Geological Survey  
Department of Natural Resources  
Denver, Colorado  
1999

**Directory of Colorado Water Quality Data, Colorado Geological Survey**

## **Table of Contents**

<b>ACKNOWLEDGEMENTS</b>	<b>iv</b>
<b>ABBREVIATIONS</b>	<b>v</b>
<b>INTRODUCTION</b>	<b>2</b>
<b>QUESTIONNAIRE RESPONSES</b>	<b>5</b>
<b>CONTACT INFORMATION ONLY</b>	<b>126</b>
<b>APPENDIX</b>	<b>146</b>
<b>Questionnaire</b>	<b>147</b>
<b>INDEX</b>	<b>151</b>

## ACKNOWLEDGEMENTS

This project was completed through funds from severance taxes, which are derived from the production of oil, natural gas, coal, and minerals in the state of Colorado. The Colorado Department of Public Health and Environment (CDPHE), through its Groundwater Quality Action Team, contributed additional funding to make this directory possible.

The authors wish to thank the following individuals for their contributions to this directory:

Candace M. Thompson, of the Hazardous Materials and Waste Management Division, CDPHE, developed the database structure into which the data was entered.

Jonathan Zook of the Colorado Geological Survey (CGS) helped format the database report for final publication.

We gratefully acknowledge the direction and support of the following Water Quality Data Program Steering Group members: Dennis Anderson, Larry Cerrillo, John Hardaway, Jeannette Hillery, Holly Huyck, R.L. Jones, John Kaufman, and Jerry Raisch. Their time in volunteer service to CGS and the people of Colorado is greatly valued.

## Abbreviations

#	number
BLM	U.S. Bureau of Land Management
BMP	Best Management Practice
BOR	U.S. Bureau of Reclamation
CCDD	Center for Community Development and Design
CDNR	Colorado Department of Natural Resources
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CGS	Colorado Geological Survey
CMLRB	Colorado Mined Land Reclamation Board
CO or Colo.	Colorado
COGCC	Colorado Oil and Gas Conservation Commission
CSU	Colorado State University
CWA	Clean Water Act
DMG	Colorado Division of Minerals and Geology
DOW	Colorado Division of Wildlife
DRCOG	Denver Regional Council of Governments
EPA	U.S. Environmental Protection Agency
FS	U.S. Forest Service
FWS	U.S. Fish and Wildlife Service
GS	U.S. Geological Survey
HMWMD	Colorado Hazardous Materials and Waste Management Division
MWRD	Metropolitan Wastewater Reclamation District (Denver area)
NAWDEX	National Water Data Exchange
NEPA	National Environmental Policy Act
NFRWQPA	North Front Range Water Quality Planning Association
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NRCS	U.S. Natural Resources Conservation Service
PCS	Permit Compliance System (of U.S. Environmental Protection Agency)
PPACOG	Pikes Peak Area Council of Governments
QA/QC	Quality Assurance/Quality Control
QUALDAT	Colorado Water Quality Control Division's ground water quality database
RCRA	Resource Conservation and Recovery Act
RCRA	Resource Conservation and Recovery Act
St.	street
STORET	U.S. Environmental Protection Agency's <u>S</u> torage and <u>R</u> etrieval Database
UGRWCD	Upper Gunnison River Water Conservation District
UMTRA	Uranium Mill Tailings Remediation Act
USDA	U.S. Department of Agriculture
USDOD	U.S. Department of Defense
USDOI	U.S. Department of the Interior
USFS	U.S. Forest Service
USGS	U.S. Geological Survey
WQCD	Colorado Water Quality Control Division



# **SECTION I**

## **INTRODUCTION**

## INTRODUCTION

### BACKGROUND

In early 1997 the Colorado Geological Survey (CGS) started the Water Quality Data Program. In March and April of 1997, a steering group was convened for the program. The steering group agreed that one of the primary needs in the state and, therefore, main goals of the program was to provide readily accessible water quality data and information resources for the public, institutions, and businesses of Colorado. The “Directory of Colorado Water Quality Data” is a key step in achieving this goal and is a valuable resource to all that are interested in water quality in Colorado.

Through requests for water quality data, CGS has seen the need to compile information on sources of water quality data in Colorado. Many different entities in Colorado collect water quality data for their own purposes. Much of the data are kept in databases maintained by the collecting organization and are not “housed” in a large centralized database. This directory seeks to ameliorate some of the difficulty in obtaining water quality data by providing a quick reference for locating the organizations that possess this type of information. The directory is essentially a compendium of organizations that collect water quality data in Colorado with basic information about the type of data and how to obtain it. CGS hopes this directory will aid the people of Colorado, government agencies, and industry to locate and share needed water quality data.

### METHODS

A questionnaire was developed by CGS to collect information about organizations and their water quality databases. The Center for Community Development and Design (CCDD) at the University of Colorado at Colorado Springs administered the questionnaire, making contacts and collecting responses. Organizations provided the data on a voluntary basis through questionnaires or telephone interviews. A copy of the questionnaire is included in the appendix.

A plan was developed prioritizing potential contacts (from higher to lower importance):

- 1) Data Source – Primary data developers were given higher priority than secondary data developers. Primary data developers collect their own water samples. Secondary data developers maintain data obtained from other sources.
- 2) Database Size – Large databases incorporating smaller data sets had higher priority than the smaller data sets.
- 3) Geographic Coverage – Data sets covering large geographic areas had higher priority than those covering small areas.
- 4) Organization Size – Large organizations had higher priority than small organizations.

These priorities insured that organizations developing and maintaining the larger, more geographically widespread databases were contacted and their information included in the directory. Nevertheless, a significant effort was made to contact local entities throughout the state to include their work in the directory.



## **Directory of Colorado Water Quality Data, Colorado Geological Survey**

Contact information was obtained from several sources:

- 1) Organizational contacts of CGS and CCDD.
- 2) U.S. Geological Survey's National Water Data Exchange (NAWDEX) Water Data Sources Directory.
- 3) Colorado Department of Public Health and Environment, Water Quality Control Division's list of watershed associations.
- 4) Colorado Department of Local Affairs, Division of Local Government's list of water conservancy districts.

## **SCOPE**

The directory is *not* an exhaustive compilation of all entities that develop or maintain water quality data pertaining to Colorado. Many organizations potentially developing or maintaining data were not contacted due to time and funding constraints. In addition, not all the organizations contacted provided information. Our efforts did not emphasize contacting private-sector companies that maintain water quality databases. Appreciable data may be available from these sources that are not documented in this publication.

Most of the data in this directory were collected in 1998. Much of this information is time-sensitive and may become outdated.

## **ORGANIZATION OF THE DIRECTORY**

Section II, "Questionnaire Responses," reports the data obtained from those answering the questionnaire. These reports contain

- organizational contact information,
- data set geographic coverage,
- activities supported by the data,
- media type (ground water and/or surface water),
- data source,
- data types,
- data storage format,
- sampling frequency, and
- availability of the data.

The questionnaire responses are in alphabetical order, primarily by organization name and secondarily by data set name.

Section III, "Contact Information Only," consists only of confirmed organization contact data. Responses to the questionnaire were not obtained. This information is arranged in alphabetical order, primarily by organization name and secondarily by data set name.

**Directory of Colorado Water Quality Data, Colorado Geological Survey**

**FUTURE WORK**

CGS intends to update this directory in the future. Publication of the “Directory of Colorado Water Quality Data” may prompt organizations not documented in this publication to submit information about their databases for future inclusion. A copy of the questionnaire, found in the appendix, can be completed and returned to:

Matthew A. Sares  
Colorado Geological Survey  
1313 Sherman Street  
Denver, Colorado 80203  
Phone: (303) 866-2611  
Fax: (303) 866-2461

## **SECTION II**

# **QUESTIONNAIRE RESPONSES**

## ***Boulder County Health Department***

### ***CONTACT INFORMATION***

**DATA SET:** North Broadway Ground Water Plume

**CONTACT:** Ann Weise

**TITLE:** Acting Water Quality Coordinator

**ORGANIZATION:** Boulder County Health Department/Environmental Health Division

**PROGRAM:** Water Quality Program

**PHYSICAL ADDRESS:** 3450 Broadway,  
Boulder, CO 80304

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 221-1190      **EXT:**      **FAX:** (303) 441-1468

**EMAIL:** axlhe@co.boulder.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

North Boulder

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Water contamination from industrial septic system user. Likely ties back to RCRA due to EPA enforcement action.

***MEDIA TYPES:***      **SURFACE WATER:** No      **GROUND WATER:** Yes

***DATA SOURCE:***      **SAMPLING:** No      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Several private consultants for various stakeholders.

#### ***# SAMPLING EVENTS:***

**COMMENT:** Unknown.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** Unknown, but geographic extent of plume is within 1/2 mile radius.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Unknown. Several parameters developed in initial ground water characterization. Limited number now.

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** No    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** No  
**METADATA:** No

Beginning date not known.

**COMMENT:**

**COMMENT ON DIGITAL:**

### TIME FROM SAMPLING TO DATA ACCESSIBILITY:

**WORLD WIDE WEB METADATA ADDRESS:**

**ADDITIONAL NOTES:**

## ***Breckenridge Sanitation District***

### ***CONTACT INFORMATION***

**DATA SET:** Airpost Sludge Application Program: Blue River

**CONTACT:** Greg Brown

**TITLE:** Plant Manager

**ORGANIZATION:** Breckenridge Sanitation District/Wastewater Treatment Plant

**PROGRAM:**

**PHYSICAL ADDRESS:** 59 Swan Mountain Road,  
Breckenridge, CO 80424

**MAILING ADDRESS (if different):** PO Box 1216,  
Breckenridge, CO 80424

**PHONE:** (970) 453-6442      **EXT:**      **FAX:** (970) 453-1179

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Blue River at Cemetery Road and Highway 9, County Road 3 and Highway 9, Swan Mountain Road and Highway 9.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Monitor potential water quality impacts from sludge application. Point at Swan Mountain Road monitored to comply with waste water discharge permit (NPDES).

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 240

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 3

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 12

#### **COMMENT:**

***Breckenridge Sanitation District (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: Yes ORGANICS: No NUTRIENTS: Yes  
PHYSICAL: Yes BIOLOGICAL: No LOCATIONAL: No OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

Tests are contracted to private laboratory who does QA/QC work.

DATA SET BEGIN: 1987

DATA SET END: 1996

TO PRESENT: No

TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**

ELECTRONIC/DIGITAL: Yes

HARDCOPY: No

**HARDCOPY FORMAT:**

FILES: No REPORTS: No MAPS: No MICROFICHE: No OTHER: No

COMMENT:

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Software: Lotus 1-2-3 Hardware: IBM compatible PC.

COMMENT ON DIGITAL:

**SAMPLING FREQUENCY:**

ANNUAL: No

BIANNUALLY: No

SEASONAL: Yes

MONTHLY: Yes

>1X/MONTHLY: No

CONTINUOUS: No

VARIABLE: No

1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

2-3 weeks.

**AVAILABILITY OF DATA:**

PUBLIC: Yes

NOT PUBLIC: No

CONDITIONAL: No

HOW TO GET DATA, CONDITIONS, COST: Make request for data. No cost.

WORLD WIDE WEB MONITORING DATA ADDRESS:

WORLD WIDE WEB METADATA ADDRESS:

DATE OF SURVEY 03/16/1998

SURVEYED BY: George Weber

ADDITIONAL NOTES:

## *City of Arvada, Colorado*

### ***CONTACT INFORMATION***

**DATA SET:** Arvada Reservoir and feeder canals

**CONTACT:** James McCarthy

**TITLE:** Manager Water Quality and Environmental Services

**ORGANIZATION:** City of Arvada/Public Works Department/Utilities Division/Water Quality and Environmental Services Section

**PROGRAM:**

**PHYSICAL ADDRESS:** 8101 Ralston Road,  
Arvada, CO 80001

**MAILING ADDRESS (if different):** PO Box 8101,  
Arvada, CO 80001-8101

**PHONE:** (303) 431-3042      **EXT:** 3250      **FAX:** (303) 431-3969

**EMAIL:** jim-m@city.ci.arvada.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Arvada reservoir and feeder canals.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Colorado state surface water standards. Complying with upcoming Enhanced Surface Water Treatment Rule.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

#### **COMMENT:**

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Historically three sites were sampled in Arvada Reservoir, until one selected. Periodic short term sampling conducted at other sites.

#### **NUMBER OF PARAMETERS:**

#### **COMMENT:**



***City of Arvada, Colorado (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** Yes    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** No  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

1984 and 85 Secchi depth only. Beginning 1986 sampled for nutrients and metals and began adding additional elements over time.

**DATA SET BEGIN:** 1984

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

**HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Quattro Pro 1984-96. Access and Quattro Pro for 1997 and 1998 -- phyto and zooplankton in Quattro Pro, balance in Access. Hardware is desktop computer.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** Yes

**CONTINUOUS:** No

**VARIABLE:** Yes

**1TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

2 weeks to 3 months.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,** Contact Jim McCarthy. Cost depends on purpose, size, and media.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF**

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *City of Longmont, Colorado*

### ***CONTACT INFORMATION***

**DATA SET:** City of Longmont St. Vrain River Study Data

**CONTACT:** Robert Luna

**TITLE:** Water Quality Laboratory Supervisor

**ORGANIZATION:** City of Longmont/Wastewater Treatment Plant/Water Quality

**PROGRAM:**

**PHYSICAL ADDRESS:** 501 East 1st Avenue,  
Longmont, CO 80501

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 651-8666      **EXT:**      **FAX:** 303 6829543

**EMAIL:** Colwwtp@lanminds.net

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

North 7 South St. Vrain, CBT

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Planning: to insure capacity to adequately treat source water to meet regulatory standards.  
Monitoring: to maintain database of quality of source water. Regulation: to document adherence to regulatory standards. Public information: information released as requested.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 50

**COMMENT:** 50 is an approximate estimate.

**NUMBER OF SAMPLING SITES:** 10

**COMMENT:** 6 sites associated with above and below wastewater treatment plant discharge. 4 sites associated with source water monitoring far upstream.

**NUMBER OF PARAMETERS:** 25

**COMMENT:** Number of parameters analyzed for upstream source water are less than those monitored downstream associated with waste water treatment plant discharge.

***City of Longmont, Colorado (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

Metadata is not maintained now but is planned in the future.

**DATA SET BEGIN:** 1992

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No  
**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

D Base IV.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** Yes

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 week.

**AVAILABILITY OF DATA:**

**PUBLIC:** No

**NOT PUBLIC:** No

**CONDITIONAL:** Yes

**HOW TO GET DATA, CONDITIONS, COST:** Request the information. Accessibility and cost a function of staff workload and size and difficulty of request. Cost may be incurred for copying or for diskettes.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 03/16/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***Clear Creek Watershed Advisory Group***

### ***CONTACT INFORMATION***

**DATA SET:** Clear Creek Watershed

**CONTACT:** R.L. Jones

**TITLE:** Consultant

**ORGANIZATION:** Clear Creek Watershed Advisory Group

**PROGRAM:**

**PHYSICAL ADDRESS:**

**MAILING ADDRESS** Box 847,  
(if different): Idaho Springs, CO 80452

**PHONE:** (303) 674324 **EXT:** **FAX:** (970) 567-4337

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

All of the Clear Creek watershed, canals between Clear Creek and Standley Lake, plus Standley Lake

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** Yes  
**REMEDATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** No **OTHER:** Yes

**COMMENT ON ACTIVITIES:**  
Education

**LEGAL BASIS:** Watershed research and management- Superfund and Section 208 CWA

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** Yes

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** EPA, CDPHE, Colo. Fish and Wildlife, Standley Lake cities, Coors

#### **# SAMPLING EVENTS:**

**COMMENT:**

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:**

**NUMBER OF PARAMETERS:** 28

**COMMENT:** 24 Metals, 4 Nutrient

***Clear Creek Watershed Advisory Group(continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: Yes NUTRIENTS: Yes  
PHYSICAL: No BIOLOGICAL: Yes LOCATIONAL: No OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1994 DATA SET END: 1998 TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:** ELECTRONIC/DIGITAL: Yes HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: Yes REPORTS: No MAPS: No MICROFICHE: No OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Own program

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:** ANNUAL: No BIANNUALLY: No SEASONAL: No

MONTHLY: No >1X/MONTHLY: No CONTINUOUS: No VARIABLE: Yes 1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 Week

**AVAILABILITY OF DATA:** PUBLIC: Yes NOT PUBLIC: No CONDITIONAL: No

**HOW TO GET DATA,  
CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 07/15/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:** Annual Hydrologic Assessment Reports

**CONTACT:** David Berry

**TITLE:** Senior Environmental Protection Specialist

**ORGANIZATION:** CDNR/DMG

**PROGRAM:** Coal Mine Permitting Program

**PHYSICAL ADDRESS:** 1313 Sherman, 215  
Denver, CO 80203

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-3567      **EXT:**      **FAX:** (303) 832-8106

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Coal mining areas of the State

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Colorado Surface Coal Mining Reclamation Act and Regulations of the Colorado Mined Land Reclamation Board (CMLRB) for Coal Mining. Function enables CMLRB to determine if coal mine operators are providing required data and operating within specified standards.

***MEDIA TYPES:***      ***SURFACE WATER:*** Yes      ***GROUND WATER:*** Yes

***DATA SOURCE:***      ***SAMPLING:*** No      ***SECONDARY SOURCE:*** Yes

**SECONDARY SOURCE(S):** Permitted mine operators

#### ***# SAMPLING EVENTS:***

**COMMENT:** Unknown. Each mine is unique and will have different location, frequency of sampling. Data developed throughout the life of all mines.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** 100's of sampling sites total for approximately 35 mines. The number and location of sampling sites varies over time.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Varies per mine. Thirty or less.

***Colorado Division of Minerals and Geology(continued)***

**DATA TYPES:**

MAJOR IONS: Yes    INORGANICS: Yes    ORGANICS: Yes    NUTRIENTS: Yes  
PHYSICAL: Yes    BIOLOGICAL: Yes    LOCATIONAL: Yes    OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

Some written documentation regarding how samples are taken. Metadata is rudimentary, and varies from mine to mine and permit to permit.

**DATA SET BEGIN:** 1980

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

1980 or beginning of mine operation to present.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes    **REPORTS:** Yes    **MAPS:** Yes    **MICROFICHE:** No    **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** Yes

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** Yes    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** No    **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Mine operators submit data annually

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Visit DMG. DMG charges only copying costs. Mine operators also required to maintain public viewing access near the mine site.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:** Hydrologic Data in Coal Mine permit Documents  
**CONTACT:** David Berry  
**TITLE:** Senior Environmental Protection Specialist  
**ORGANIZATION:** CDNR/DMG  
**PROGRAM:** Coal Program  
**PHYSICAL ADDRESS:** 1313 Sherman, 215  
Denver, CO 80203  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 866-3567 **EXT:** **FAX:** (303) 832-8106  
**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

State of Colorado

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** Yes  
**REMEDIATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** For each activity: Colorado Surface Coal Mining Reclamation Act and Regulations of the Colorado Mined Land Reclamation Board for coal mining.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** Yes

**DATA SOURCE:** **SAMPLING:** No **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Coal Mine Operators.

#### **# SAMPLING EVENTS:**

**COMMENT:** Hundreds

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Hundreds

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Hundreds



## *Colorado Division of Minerals and Geology (continued)*

### **DATA TYPES:**

MAJOR IONS: Yes    INORGANICS: Yes    ORGANICS: No    NUTRIENTS: No  
PHYSICAL: Yes    BIOLOGICAL: No    LOCATIONAL: Yes    OTHER DATA ELEMENT: No  
METADATA: Yes

### **COMMENT ON DATA TYPES:**

Very limited metadata is maintained.

DATA SET BEGIN: 1977

DATA SET END:

TO PRESENT: Yes

TIME COVERAGE COMMENT:

### **DATA STORAGE FORMAT:**

ELECTRONIC/DIGITAL: No

HARDCOPY: Yes

### **HARDCOPY FORMAT:**

FILES: Yes    REPORTS: Yes    MAPS: Yes    MICROFICHE: No    OTHER: No

COMMENT:

### **DIGITAL FORMAT:**

DIGITAL HARDWARE AND SOFTWARE USED:

COMMENT ON DIGITAL:

### **SAMPLING FREQUENCY:**

ANNUAL: No

BIANNUALLY: No

SEASONAL: No

MONTHLY: No

>1X/MONTHLY: No

CONTINUOUS: No

VARIABLE: Yes

1 TIME: No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Most data is historic and available immediately.

### **AVAILABILITY OF DATA:**

PUBLIC: Yes

NOT PUBLIC: No

CONDITIONAL: No

### **HOW TO GET DATA,**

Visit office to access data. Cost: copying.

CONDITIONS, COST:

WORLD WIDE WEB MONITORING DATA ADDRESS:

WORLD WIDE WEB METADATA ADDRESS:

DATE OF SURVEY    05/23/1998

SURVEYED BY: George Weber

ADDITIONAL NOTES:

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:** Coal Mine Inspector Data

**CONTACT:** David Berry

**TITLE:** Senior Environmental Protection Specialist

**ORGANIZATION:** CDNR/DMG

**PROGRAM:** Coal Mine Permitting Program

**PHYSICAL ADDRESS:** 1313 Sherman Street, 215  
Denver, CO 80203

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-3567      **EXT:**      **FAX:** (303) 866-8106

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Coal mining areas of the state.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** No      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Colorado Surface Coal Mining Reclamation Act and regulations of the Colorado Mined Land Reclamation Board (CMLRB) for Coal Mining. Function enables CMLRB to determine if coal mine operators are providing required data and operating within specified standards.

***MEDIA TYPES:***      ***SURFACE WATER:*** Yes      ***GROUND WATER:*** Yes

***DATA SOURCE:***      ***SAMPLING:*** Yes      ***SECONDARY SOURCE:*** No

#### ***SECONDARY SOURCE(S):***

#### ***# SAMPLING EVENTS:***

**COMMENT:** Unknown. Less than 300.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** Estimates 30 - 40.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Less than 20.

***Colorado Division of Minerals and Geology (continued)***

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

COMMENT ON DATA TYPES:

DATA SET BEGIN: 1981

DATA SET END:

TO PRESENT: Yes

TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**      ELECTRONIC/DIGITAL: No      HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: Yes   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No

COMMENT:

**DIGITAL FORMAT:**

DIGITAL HARDWARE AND SOFTWARE USED:

COMMENT ON DIGITAL:

**SAMPLING FREQUENCY:**      ANNUAL: No      BIANNUALLY: No      SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No   CONTINUOUS: No   VARIABLE: Yes   1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

When DMG conducts additional sampling, which is infrequent.

**AVAILABILITY OF DATA:**      PUBLIC: Yes   NOT PUBLIC: No   CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:**      Contact David Berry or go to DMG. DMG charges for the cost of copying.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   02/11/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:** Abandoned Mine Lands  
**CONTACT:** Jim Herron  
**TITLE:** Environmental Protection Specialist  
**ORGANIZATION:** CDNR/DMG  
**PROGRAM:** Coal Mine Permitting Program  
**PHYSICAL ADDRESS:** 1313 Sherman Street, 215  
Denver, CO 80203  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 866-3813 **EXT:** **FAX:** (303) 866-8106  
**EMAIL:** james.herron@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

State mineral belt.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes    **POLICY MAKING:** No    **PLANNING:** Yes    **REGULATION:** No  
**REMEDATION:** Yes    **MONITORING:** Yes    **PUBLIC INFORMATION:** Yes    **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Clean Water Act, Section 319., Non-point Source Program. The Abandoned Mine Land Program does investigatory work to determine if there are potential contamination problems arising from abandoned mines, and then, proposes and develops appropriate remediation projects.

**MEDIA TYPES:**                      **SURFACE WATER:** Yes                      **GROUND WATER:** No

**DATA SOURCE:**                      **SAMPLING:** Yes                      **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

**# SAMPLING EVENTS:** 1000

**COMMENT:** Number of sampling events is estimated.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** Estimates approximately 500 sites.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** 10 - 30.

## *Colorado Division of Minerals and Geology (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** No   **NUTRIENTS:** No  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** No  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1986                      **DATA SET END:**                      **TO PRESENT:** Yes

### **TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** Yes

### **HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Hardcopy sheets with notations by county.

### **DIGITAL FORMAT:**

### **DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:** Data in digital spreadsheet format sent to Water Quality Control Division,  
Colorado Department of Public Health and Environment.

**SAMPLING FREQUENCY:**              **ANNUAL:** No              **BIANNUALLY:** No              **SEASONAL:** Yes

**MONTHLY:** No   **>1X/MONTHLY:** No              **CONTINUOUS:** No              **VARIABLE:** Yes              **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Not applicable

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes              **NOT PUBLIC:** No              **CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact Jim Herron. Data is available free of charge except for reproduction at \$0.25 per page.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/03/1997

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:** Minerals Program permit files.

**CONTACT:** Bruce Humphries

**TITLE:** Minerals Program Supervisor

**ORGANIZATION:** CDNR/DMG

**PROGRAM:** Minerals Program

**PHYSICAL ADDRESS:** 1313 Sherman, Room 215  
Denver, CO 80203

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-3567      **EXT:**      **FAX:** (303) 866-8106

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Specific mining operations in Colorado.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** The Colorado Mined Land Reclamation Act for the extraction of construction materials. Senate Bill 89-181 concerning regulatory authority over water quality control.

***MEDIA TYPES:***      ***SURFACE WATER:*** Yes      ***GROUND WATER:*** Yes

***DATA SOURCE:***      ***SAMPLING:*** Yes      ***SECONDARY SOURCE:*** Yes

**SECONDARY SOURCE(S):** Mine operators, citizens, agencies.

#### ***# SAMPLING EVENTS:***

**COMMENT:** Not available

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** Not available

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Not available

## *Colorado Division of Minerals and Geology (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

### **COMMENT ON DATA TYPES:**

Other data elements comment: Not available

**DATA SET BEGIN:** 1977

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

### **HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** Yes   **OTHER:** No

**COMMENT:**

### **DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

### **SAMPLING FREQUENCY:**

**ANNUAL:** Yes

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** Yes

**>1X/MONTHLY:** Yes

**CONTINUOUS:** Yes

**VARIABLE:** Yes

**1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Available to public on receipt.

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Request a specific file. Costs: copying. Conditions may be imposed on public access to data that are part of a confidential file.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 05/15/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Division of Wildlife*

### ***CONTACT INFORMATION***

**DATA SET:** River Watch  
**CONTACT:** Barb Horn  
**TITLE:** Project Manager  
**ORGANIZATION:** CDNR/DOW  
**PROGRAM:** River Watch  
**PHYSICAL ADDRESS:** 6060 Broadway,  
Denver, CO 80126  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 291-7388 **EXT:** **FAX:** (303) 291-7456  
**EMAIL:** barb.horn@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** Yes  
**REMEDATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** DOW use and making data accessible to other organizations to use it. Mission is to provide wildlife opportunities for people. Clean Water Act requirement to make waters fishable.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** No

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

**# SAMPLING EVENTS:** 16000

**COMMENT:** Number of sampling events increases each month. 16,000 as of 5/12/98. 260 schools in program to sample 2 stations 24 times per year. Beginning in 1990. In reality, approximately 240 schools are active, and some sampling opportunities are missed.

**NUMBER OF SAMPLING SITES:** 550

**COMMENT:** 550 sites have at least some data.

**NUMBER OF PARAMETERS:** 42

**COMMENT:** H20 file has 32 parameters. These are developed for every site. Nutrient file has 10 parameters. These are developed for approximately 30 schools and 1 site.



***Colorado Division of Wildlife (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1989   DATA SET END:   TO PRESENT: Yes  
TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**   ELECTRONIC/DIGITAL: Yes   HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No

COMMENT: Produce annual watershed reports.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

dBASE on IBM clones.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**   ANNUAL: No   BIANNUALLY: No   SEASONAL: Yes

MONTHLY: No   >1X/MONTHLY: Yes   CONTINUOUS: No   VARIABLE: Yes   1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Historically, up to 2 years. Now, between 2 - 6 months.

**AVAILABILITY OF DATA:**   PUBLIC: Yes   NOT PUBLIC: No   CONDITIONAL: No

**HOW TO GET DATA,** Call Barb Horn or access through STORET or Internet page

**CONDITIONS, COST:** (<http://elbert.state.co.us/riverwatch>). No cost at present unless hardcopy requested.

**WORLD WIDE WEB MONITORING DATA ADDRESS:** (<http://elbert.state.co.us/riverwatch>)

**WORLD WIDE WEB METADATA ADDRESS:** (<http://elbert.state.co.us/riverwatch>)

**DATE OF SURVEY** 05/12/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Geological Survey*

### ***CONTACT INFORMATION***

**DATA SET:** Underground Storage Tank Water Quality Database

**CONTACT:** Ty Ortiz

**TITLE:** Geologist

**ORGANIZATION:** CDNR/Colorado Geological Survey

**PROGRAM:**

**PHYSICAL ADDRESS:** 1313 Sherman Street, 715  
Denver, CO 80202

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-2611      **EXT:**      **FAX:** (303) 866-2461

**EMAIL:** ty.ortiz@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Underground Storage Tank Regulations, CFR 40-280. Supports compliance activities.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 3000

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 160

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 100

**COMMENT:** 5 domains, each comprised of 8 - 30 fields.

***Colorado Geological Survey (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: Yes ORGANICS: Yes NUTRIENTS: No  
PHYSICAL: No BIOLOGICAL: No LOCATIONAL: Yes OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Other data elements are: test of characteristic leaching potential.

**DATA SET BEGIN:** 1989

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

**HARDCOPY FORMAT:**

**FILES:** No **REPORTS:** No **MAPS:** No **MICROFICHE:** No **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Hardware: desktop computer. Software: MicroSoft® Access.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Approximately 1 year.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact Ty Ortiz. CGS provides the data free of charge.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 05/29/1997

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## Colorado Geological Survey

### CONTACT INFORMATION

**DATA SET:** US Forest Service Abandoned Mine Land Inventory

**CONTACT:** Matt Sares

**TITLE:** Program Geologist

**ORGANIZATION:** CDNR/Colorado Geological Survey

**PROGRAM:** Water Quality Data Program

**PHYSICAL ADDRESS:** 1313 Sherman Street, 715  
Denver, CO 80203

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 894-2170      **EXT:**      **FAX:** (303) 894-2174

**EMAIL:** matt.sares@state.co.us

### DATABASE DESCRIPTION

#### GEOGRAPHIC COVERAGE:

U.S. Forest Service lands in Colorado.

#### ACTIVITIES SUPPORTED:

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** Yes      **MONITORING:** No      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### COMMENT ON ACTIVITIES:

**LEGAL BASIS:** The US Forest Service uses this data under authority of the Federal Facilities Compliance Program to bring federal facilities and lands into compliance with existing environmental laws. The CGS is an information gathering agency.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** USGS, WRD, Paul von Guerard (970/245-5257) and USGS, Geologic Division, Geoff Plumlee, (303/236-9224). 95% of data is from primary sampling, 5% from secondary sources.

**# SAMPLING EVENTS:** 180

**COMMENT:** Approximately 180.

**NUMBER OF SAMPLING SITES:** 170

**COMMENT:** Approximately 170.

**NUMBER OF PARAMETERS:** 214

**COMMENT:** 214 fields in data base, 120 parameters

## *Colorado Geological Survey (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** No    **NUTRIENTS:** No  
**PHYSICAL:** Yes    **BIOLOGICAL:** No    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

### **COMMENT ON DATA TYPES:**

Other data elements include: Site name, site code, basin, date/time sampled, date lab received, lab name, sampling agency, ranger district, latitude, longitude, sample type. metadata maintained, but not digitally yet. metadata includes sampling protocols. Since 1995 equipment/trip blanks, replicate samples (10-20%), laboratory QA/QC (duplicates, spikes, instrument check standards, reference % recovery).

**DATA SET BEGIN:** 1991                      **DATA SET END:**                      **TO PRESENT:** Yes  
**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** Yes

### **HARDCOPY FORMAT:**

**FILES:** Yes    **REPORTS:** Yes    **MAPS:** Yes    **MICROFICHE:** No    **OTHER:** No  
**COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

Microsoft Access 97 database, on desktop personal computer.

**COMMENT ON DIGITAL:** Data for entirety of USFS Abandoned Mine Land Inventory is currently being entered into the database. It will be available in July 1999 in digital form.

**SAMPLING FREQUENCY:**              **ANNUAL:** No    **BIANNUALLY:** No    **SEASONAL:** No

**MONTHLY:** No    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** Yes    **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Samples are generally one-time events at abandoned mines and potentially affected streams. Data for the USFS Abandoned Mine Land Inventory is currently being entered into the database. Thereafter, data entry time lag should be 6 months.

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes    **NOT PUBLIC:** No    **CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact Matt Sares of the Colorado Geological Survey. Currently, data is available at no cost.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/02/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:** Most of the data monitors point sources from abandoned mines, but there are some instream data also.

## *Colorado Oil and Gas Control Commission*

### **CONTACT INFORMATION**

**DATA SET:** Colorado Oil and Gas Conservation Commission Water Quality Data

**CONTACT:** Debbie Baldwin

**TITLE:** Environmental Protection Specialist

**ORGANIZATION:** CDNR/Oil and Gas Conservation Commission

**PROGRAM:**

**PHYSICAL ADDRESS:** 1120 Lincoln Street, 801  
Denver, CO 80202

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 894-2100      **EXT:** 111      **FAX:** (303) 894-2109

**EMAIL:** debbie.baldwin@state.co.us

### **DATABASE DESCRIPTION**

#### **GEOGRAPHIC COVERAGE:**

LaPlata County is digitized. spotty coverage for water wells of several areas in Weld County, Washington County, Cheyenne County, Baca County, Kiowa County. Produced water data for entire state.

#### **ACTIVITIES SUPPORTED:**

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

Other activity: Enforcement

**LEGAL BASIS:** COGCC is the implementing agency for Water Quality Control Division, Colorado Department of Public Health and Environment ground water standards and classification for oil and gas activities.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Miscellaneous analysis submitted by oil and gas operators produced water data and ground water remediation data. Bill Crick, Water Quality Control Division, Colorado Department of Public Health and Environment. Various County health departments.

**# SAMPLING EVENTS:** 3000

**COMMENT:** Approximate. Only one sample is taken generally from each site.

**NUMBER OF SAMPLING SITES:** 2000

**COMMENT:** Approximate

**NUMBER OF PARAMETERS:**

**COMMENT:** Variable, sample specific.

***Colorado Oil and Gas Control Commission (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: No   ORGANICS: Yes   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1971                      DATA SET END: 1996                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: Yes              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: Yes   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Access and dBase.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:** COGCC does not have a system in place enabling public access to the data other than looking at the hardcopy files. The purchase of a new computer system within the next 2 years should improve access to digital as well as hard copy data.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   06/05/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:** For produced water -- information about method and point of collection is not available. In some cases, identity of wells from which sample was collected is uncertain, therefore reliability of much of data is suspect -- hence would be relevant to make it easily available. LaPlata County water well data is the most complete and could be made available digitally.

## *Colorado Soil Conservation Board*

### ***CONTACT INFORMATION***

**DATA SET:** Southwest Colorado Clean Water Act, Section 208  
Data, 1979 - 80

**CONTACT:** Bob Zebroski

**TITLE:** Administrator

**ORGANIZATION:** CDNR/Soil Conservation Board

**PROGRAM:** Southwest Colorado CWA Sec. 208, 1979 - 80

**PHYSICAL ADDRESS:** 1313 Sherman Street, 219  
Denver, CO 80203

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-3351      **EXT:** 2100      **FAX:** (303) 832-8106

**EMAIL:** zebroski@soil@dnrsoil

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Arkansas River, Cherry Creek, Fountain Creek, Grandview, Mancos Valley, Tougue Creek

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Data was gathered as part of the Section 208 Clean Water Act Water Quality Program conducted by the Soil Conservation Board (SCB). The SCB had contracts with various municipalities and councils of governments.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Note to see attachment to completed survey. This does not specify number of events.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Note to see attachment to completed survey. This does not specify number of sites, but identifies streams or general locations (i.e., Mancos Valley, Grandview).

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Note to see attachment to completed survey. This does not specify number of parameters, but identifies tests performed.



***Colorado Soil Conservation Board (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

Note to see attachment to completed survey. Tests conducted varies for each location.

**DATA SET BEGIN:** 1980

**DATA SET END:** 1998

**TO PRESENT:** No

**TIME COVERAGE COMMENT:**

Varies for each location.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

All data for previous years. Time period of sampling given, but no indication of frequency.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,**   Contact Soil Conservation Board.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   06/16/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado State University*

### ***CONTACT INFORMATION***

**DATA SET:** Upper Arkansas River Water Quality

**CONTACT:** John Stednick

**TITLE:** Professor

**ORGANIZATION:** Colorado State University/Department of Earth Resources/Environmental Health GIS Laboratory

**PROGRAM:**

**PHYSICAL ADDRESS:** Colorado State University  
Fort Collins, CO 80523

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 491-7248      **EXT:**      **FAX:** (970) 491-6307

**EMAIL:** jds@cnr.colostate.edu

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Lake County, Upper Arkansas

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Monitoring to identify system water quality, effectiveness of remediation, support for ecotoxicology research.

***MEDIA TYPES:***      **SURFACE WATER:** Yes      **GROUND WATER:** No

***DATA SOURCE:***      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** 1-50 at each site.

**NUMBER OF SAMPLING SITES:** 250

**COMMENT:** Approximate

#### **NUMBER OF PARAMETERS:**

**COMMENT:** 15-25

***Colorado State University (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1992                      DATA SET END: 1996                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: Yes              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: Yes   REPORTS: No   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

ArcView/GIS

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: Yes

MONTHLY: No   >1X/MONTHLY: Yes              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Generally one year.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA,**    Visit website. No charge except for internet provider.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:** <http://palau.cvmb.colostate.edu/arkansas/datachar.htm>

**WORLD WIDE WEB METADATA ADDRESS:** <http://palau.cvmb.colostate.edu/arkansas/datachar.htm>

**DATE OF SURVEY**    05/08/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Water Quality Control Division*

### ***CONTACT INFORMATION***

**DATA SET:** QUALDAT  
**CONTACT:** Bill Crick  
**TITLE:** QUALDAT Manager  
**ORGANIZATION:** CDPHE/WQCD/Watershed Section/Assessment Unit  
**PROGRAM:** QUALDAT Program  
**PHYSICAL ADDRESS:** 4300 Cherry Creek Drive South,  
Denver, CO 80222-1530  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 692-3577 **EXT:** **FAX:** (303) 782-0390  
**EMAIL:** william.crick@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide. All aquifers located within state.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** Yes **PLANNING:** No **REGULATION:** Yes  
**REMEDATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Authorized by Colorado Water Quality Control Act. Supports basic standard setting for ground water, site specific water quality classifications and standards for ground water.

**MEDIA TYPES:** **SURFACE WATER:** No **GROUND WATER:** Yes

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Mechanism is in effect to ensure that other units within CDPHE/WQCD provide water quality data they develop. May contain data provided by other federal, state, and local agencies collecting ground water quality data. No mechanism is in effect to ensure that other agencies (including within CDPHE) to provide ground water quality data for input to QUALDAT.

**# SAMPLING EVENTS:** 18,500

#### ***COMMENT:***

**NUMBER OF SAMPLING SITES:**

**COMMENT:** Unknown.

**NUMBER OF PARAMETERS:** 391

**COMMENT:** 305 analytic parameters and 86 fields to describe well or sampling event

## ***Colorado Water Quality Control Division (continued)***

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** Yes    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

### **COMMENT ON DATA TYPES:**

'Other data elements' include for example well construction, depth, screen, sample date and time, agency collecting, agency reporting, laboratory information, quality assurance rating.

**DATA SET BEGIN:** 1950

**DATA SET END:**

**TO PRESENT:** Yes

### **TIME COVERAGE COMMENT:**

Most data is early 1970's to present. Some data is 1950's to present.

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No

### **COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

DBF Xbase format on Compaq Pentium 166. DBF Xbase can be accessed with many off the shelf database management software.

### **COMMENT ON DIGITAL:**

### **SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** Yes

**>1X/MONTHLY:** Yes

**CONTINUOUS:** Yes

**VARIABLE:** Yes

**1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Varies. Most approximately within 1 month of receipt. Maximum delay is 3 months.

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact QUALDAT manager Bill Crick, George Morevec, or other WQCD staff. WQCD does not charge to provide data.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/24/1998

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *Colorado Water Quality Control Division*

### ***CONTACT INFORMATION***

**DATA SET:** STORET

**CONTACT:** John Farrow

**TITLE:** Professional Engineer

**ORGANIZATION:** CDPHE/WQCD/Watershed Section/Assessment Unit

**PROGRAM:**

**PHYSICAL ADDRESS:** 4300 Cherry Creek Drive South,  
Denver, CO 802461530

**MAILING ADDRESS (if different):** 4300 Cherry Creek Drive South, WQCD - B2 - Assessment Unit  
Denver, CO 80246-1530

**PHONE:** (303) 692-3575      **EXT:**      **FAX:** (303) 782-0390

**EMAIL:** john.farrow@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Data documents and enables staff to assess water quality in various locations. Water Quality Control Division uses the data set to support development of classifications, standards, and control regulations for surface water for adoption by the Water Quality Control Commission as required by the Colorado Water Quality Control Act. STORET is a national database maintained by EPA for the storage and retrieval of parametric data pertaining to the quality of the waterways within and contiguous to the United States. The CDPHE is required to enter water quality data generated under EPA grants into STORET as a condition of receiving funding.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies by year.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Varies by year.

#### **NUMBER OF PARAMETERS:** 2000

**COMMENT:** The number depends on a variety of factors including the sampling method used and codes people request.

## ***Colorado Water Quality Control Division (continued)***

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** Yes    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** No  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1972                      **DATA SET END:**                      **TO PRESENT:** Yes  
**TIME COVERAGE COMMENT:**  
Some data is older.

**DATA STORAGE FORMAT:**            **ELECTRONIC/DIGITAL:** Yes            **HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No  
**COMMENT:** Hardcopy retrieval available on request from WQCD/CDPHE or EPA.

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

STORET software on a 390 mainframe.

#### **COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**            **ANNUAL:** No    **BIANNUALLY:** No    **SEASONAL:** Yes

**MONTHLY:** Yes    **>1X/MONTHLY:** Yes    **CONTINUOUS:** Yes    **VARIABLE:** Yes    **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Most, approximately within 1 month of receipt of data.

**AVAILABILITY OF DATA:**            **PUBLIC:** Yes    **NOT PUBLIC:** No    **CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact John Farrow, CDPHE STORET Manager. WQCD does not charge to provide data. STORET data is accessible from EPA. Telephone Louis Hoelman at 1-800/424-9067. EPA can place specific data retrievals on an FTP site.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:** STORET will be replaced by STORET-X in the year 2000. STORET data will be archived.

## *Colorado Water Quality Control Division*

### ***CONTACT INFORMATION***

**DATA SET:** SDMS (Scientific Data Management System)

**CONTACT:** Sandy Marek

**TITLE:** Environmental Protection Specialist

**ORGANIZATION:** CDPHE/Hazardous Materials and Waste Management Division

**PROGRAM:** Federal Facilities Program/Rocky Flats Unit

**PHYSICAL ADDRESS:** 4300 Cherry Creek Drive South,  
Denver, CO 802221530

**MAILING ADDRESS (if different):** 4300 Cherry Creek Drive South, HMWMD-B2  
Denver, CO 80222-1530

**PHONE:** (303) 692-3617      **EXT:**      **FAX:** (303) 782-4969

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

U.S. DOE Rocky Flats Environmental Technology Center and some areas immediately downstream of site.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Supports oversight of Rocky Flats clean-up by U.S. DOE under the Agreement In Principle (AIP) between the State of Colorado and U.S. DOE, within the framework of the Rocky Flats Clean-up Agreement among the State of Colorado, U.S. EPA, and U.S. DOE.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** U.S. DOE and its consultants.

#### ***# SAMPLING EVENTS:***

**COMMENT:** 100,000s.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** 35 to 40.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** More than 300.



***Colorado Water Quality Control Division (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

'Other elements' included are radiologic, flow, and well characteristics.

**DATA SET BEGIN:** 1979

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

1979 to present for surface water. 1989 to present for ground water data.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Unix Informix system.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

30 to 60 days.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,  
CONDITIONS, COST:**

Contact Sandy Marek, Environmental Protection Specialist. Laboratory reports can be obtained at Rocky Flats Public Information Centers (call Kay Jurisek at 692-2037). In addition, CDPHE publishes the Environmental Surveillance Report on the U.S. Department of Energy Rocky Flats Environmental Technology Site quarterly and plans to make laboratory reports available on the Internet. CDPHE does not charge to provide hardcopy reports or to query the database.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Colorado Water Quality Control Division*

### ***CONTACT INFORMATION***

**DATA SET:** SDMS (Scientific Data Management System)  
upgrade

**CONTACT:** Candace Thompson

**TITLE:** GIS and Scientific Data Coordinator

**ORGANIZATION:** CDPHE/Hazardous Materials and Waste Management Division

**PROGRAM:** Administrative

**PHYSICAL ADDRESS:** 4300 Cherry Creek Drive South,  
Denver, CO 802221530

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 692-3399      **EXT:**      **FAX:** (303) 759-5355

**EMAIL:** candy.thompson@state.co.us

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Determine the extent of contamination at sites, select effective remediation methods, and evaluate results to ensure the protection of the surrounding area's health and environment. Will provide electronic access to scientific environmental monitoring data from groundwater wells, surface water modeling, and statistical software. This project will be ongoing as data collection is a statutory mandate to support ethical decision making for the remediation, enforcement, and monitoring of both new and existing sites. Legal basis includes Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); Resource Conservation and Recovery Act (RCRA) subtitles C and D; Voluntary Clean-up Program; Uranium Mill Tailings Remediation Act (UMTRA); Uranium Special Projects.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Numerous. Regulated facility manager, consultants, U.S. EPA, and laboratories.

#### **# SAMPLING EVENTS:**

**COMMENT:** Unknown. Estimated size of future database is 6 gigabytes.

**NUMBER OF SAMPLING SITES:** 208

**COMMENT:** Eventually estimated to be greater than 1,000.

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Estimated approximately 2,000.

## ***Colorado Water Quality Control Division (continued)***

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** Yes    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** Yes  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

Other elements included are radiologic, flow, and well characteristics.

**DATA SET BEGIN:** 1970

**DATA SET END:**

**TO PRESENT:** Yes

### **TIME COVERAGE COMMENT:**

Response for 'data set begin' was 1970s.

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** Yes    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No

### **COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

Software: client/server Informix. Hardware: Data General Unix platform.

**COMMENT ON DIGITAL:** Communication with the Unix is over the existing LAN infrastructure. ArcView and Arc INFO are linked currently to the database. A future scientific application that will be linked to the system includes Groundwater Modeling System (GMS) a graphical groundwater package that will model the movement and degradation of contaminants over time.

### **SAMPLING FREQUENCY:**

**ANNUAL:** Yes

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** Yes    **>1X/MONTHLY:** Yes    **CONTINUOUS:** Yes    **VARIABLE:** Yes    **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

New data is 2 weeks or less. Existing data that is requested, within 3-5 years. When HMWMD finalizes database structure, it will develop and provide the capability to laboratories to enter analytical results automatically and electronically.

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact Candace Thompson. HMWMD will charge \$70/hour for query and retrieval time plus media costs. HMWMD will provide data only in the format maintained.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/09/1998

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *Custer County, Colorado*

### ***CONTACT INFORMATION***

**DATA SET:** Custer County Landfill Monitoring Data

**CONTACT:** Rick Ferron

**TITLE:** County Administrator

**ORGANIZATION:** Custer County/Administrator's Office

**PROGRAM:**

**PHYSICAL ADDRESS:** 205 South 6th Street,  
Westcliffe, CO 81252

**MAILING ADDRESS (if different):** PO Box 150,  
Westcliffe, CO 81252

**PHONE:** (719) 783-9067      **EXT:**      **FAX:** (719) 783-2885

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Former Westcliffe Landfill, north of town. Closure plan called for 3 monitoring wells, only one 60 feet deep in bottom of gully has water.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

Regulatory compliance.

**LEGAL BASIS:** CDPHE regulations for landfill closure under RCRA, Subtitle D.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 12

**COMMENT:** Quarterly for 2 years then semi-annually.

**NUMBER OF SAMPLING SITES:** 1

**COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:**

***Custer County, Colorado (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: Yes   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Other elements: VOCs

**DATA SET BEGIN:** 1994

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

Four samples per year required for 2 years, then 2 per year.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** Yes

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,**   Contact County Administrator. Cost for reproduction of files is \$0.50/page.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   02/25/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Denver Regional Council of Governments*

### ***CONTACT INFORMATION***

**DATA SET:** DRCOG Water Quality Data

**CONTACT:** Russ Clayshulte

**TITLE:** Principal Water Resources Planner

**ORGANIZATION:** Denver Regional Council of Governments

**PROGRAM:**

**PHYSICAL ADDRESS:** 2480 West 26th Avenue, Suite 200B  
Denver, CO 80211

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 480-6766      **EXT:**      **FAX:** (303) 487-6790

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

DRCOG six counties, i.e., Denver, Boulder, Adams, Arapahoe, Jefferson, and Gilpin.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDIATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Section 208, Clean Water Act

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** No      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** DRCOG obtains data from many sources including member local government agencies, USGS, USEPA, CDPHE, CDNR/DOW, Colorado Nonpoint Source Task Force, U.S. Army Corps of Engineers, USDA/NRCS, BLM, Big Dry Creek and Tri Creek groups, and National Urban Runoff Program.

#### **# SAMPLING EVENTS:**

**COMMENT:** Tens of thousands. DRCOG has 30,000 megabytes of digital data and a large amount of hardcopy data.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** No DRCOG sampling sites. DRCOG is a repository for other Metro area primary data developers.

#### **NUMBER OF PARAMETERS:**

**COMMENT:** The same as contained in EPA's STORET system.

***Denver Regional Council of Governments (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** No  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

Maintains metadata only for samples developed by permitted facilities, including approximately 115 domestic wastewater and 250 industrial facilities.

**DATA SET BEGIN:** 1976

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

Data coverage fragmented 1976 to 1986. Better coverage begins in 1986.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** Yes

**COMMENT:** Data is in a variety of hardcopy formats.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:** Data is maintained in a variety of hardware and software.

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Data is entered when it is obtained.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,** Contact Russ Clayshulte, Principal Water Resources Planner. Cost varies. DRCOG

**CONDITIONS, COST:** attempts to serve requests of member governments at no charge. For others, a cost will be charged for large requests and will vary with its size.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/11/1997

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Denver Water*

### ***CONTACT INFORMATION***

**DATA SET:** Denver Water Quality Data

**CONTACT:** Steve Lohman

**TITLE:** Manager

**ORGANIZATION:** Denver Water/Division of Operations and Maintenance/Water Quality Section

**PROGRAM:**

**PHYSICAL ADDRESS:** 6100 West Quincy Avenue, Water Quality Laboratory  
Denver, CO 80235

**MAILING ADDRESS (if different):** 1600 12th Avenue,  
Denver, CO 80254

**PHONE:** (303) 628-5994      **EXT:**      **FAX:** (303) 795-2495

**EMAIL:** srl@water.denver.co.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Williams Fork, South Platte River, Blue River, Fraser River, South Boulder Creek, and Clear Creek basins. Limited data for areas outside the source area are contained in archives, e.g., Eagle River Basin.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

Other activity: process control.

**LEGAL BASIS:** Denver City Charter. Supports mission of ensuring that customers get the highest quality water for the cost. May study water to predict treatability, assess source water protection issues, determine how a specific reservoir is doing regarding existing and potential contamination.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Unknown. 100,000s.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Over 100.

#### **NUMBER OF PARAMETERS:**

**COMMENT:** 100s. Parameters vary depending on location.



## *Denver Water (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

### **COMMENT ON DATA TYPES:**

Other data elements: detection limits, reporting limits, quality control data. Extensive amount of quality control data. Limited amount of protocol, and other metadata.

**DATA SET BEGIN:** 1991

**DATA SET END:**

**TO PRESENT:** Yes

### **TIME COVERAGE COMMENT:**

Data from 1986 to 1991 is archived.

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

### **COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

Hardware: IBM clone desktop file server. Software: Revelation.

**COMMENT ON DIGITAL:** Upgrading in 1998 to a commercially available Windows environment.

### **SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Data is input daily. Lag depends on parameters, e.g., biological are updated daily, metals updated within 3-4 weeks.

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

### **HOW TO GET DATA, CONDITIONS, COST:**

Contact Steve Lohman. Denver Water will provide for no or minimal cost. Cost may be charged for large jobs and media.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/18/1997

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## ***Evergreen Metropolitan District/Water Plant***

### ***CONTACT INFORMATION***

**DATA SET:** Evergreen Metro Raw Water Data

**CONTACT:** Gary Jeffrey

**TITLE:** Water Plant Supervisor

**ORGANIZATION:** Evergreen Metropolitan District/Water Plant

**PROGRAM:**

**PHYSICAL ADDRESS:** 4671 Highway 73,  
Evergreen, CO 80439

**MAILING ADDRESS (if different):** PO Box 3819,  
Evergreen, CO 80437-3819

**PHONE:** (303) 674-2121      **EXT:**      **FAX:** (303) 674-7267

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Evergreen Lake

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Monitoring and operational control of chemicals for treatment of drinking water under the SDWA.

***MEDIA TYPES:***      **SURFACE WATER:** Yes      **GROUND WATER:** No

***DATA SOURCE:***      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 12,045

**COMMENT:** Sample daily since construction of plant in 1965.

**NUMBER OF SAMPLING SITES:** 1

**COMMENT:**

**NUMBER OF PARAMETERS:** 14

**COMMENT:**

***Evergreen Metropolitan District/Water Plant (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: No   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1965   DATA SET END:   TO PRESENT: Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**   ELECTRONIC/DIGITAL: No   HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**   ANNUAL: No   BIANNUALLY: No   SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No   CONTINUOUS: Yes   VARIABLE: No   1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 to 5 minutes.

**AVAILABILITY OF DATA:**   PUBLIC: Yes   NOT PUBLIC: No   CONDITIONAL: No

**HOW TO GET DATA,**   Call Gary Jeffrey, make request, and they will fax, mail, or set aside for pick-up. No  
**CONDITIONS, COST:**   costs.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   03/17/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***HRS Water Consultants***

### ***CONTACT INFORMATION***

**DATA SET:** Various Clients

**CONTACT:** Bob Tafelski

**TITLE:** President

**ORGANIZATION:** HRS Water Consultants

**PROGRAM:**

**PHYSICAL** 200 Union Blvd, 200

**ADDRESS:** Lakewood, CO 80228

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 989-2837 **EXT:** **FAX:** (303) 989-9425

**EMAIL:** HRSWater@AOL.com

### ***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

Denver Metro

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** No **PLANNING:** Yes **REGULATION:** No

**REMEDIATION:** No **MONITORING:** Yes **PUBLIC INFORMATION:** No **OTHER:** No

**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Water supply

***MEDIA TYPES:*** **SURFACE WATER:** No **GROUND WATER:** Yes

***DATA SOURCE:*** **SAMPLING:** Yes **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Same

**# SAMPLING EVENTS:**

**COMMENT:** 1-15 yrs, depending upon client

**NUMBER OF SAMPLING SITES:**

**COMMENT:** 5-40 depending upon client

**NUMBER OF PARAMETERS:**

**COMMENT:** Varies

## *HRS Water Consultants (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** No  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

Some have all of the above, some have various combinations of the above.

**DATA SET BEGIN:** 1981

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

### **HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

### **DIGITAL FORMAT:**

### **DIGITAL HARDWARE AND SOFTWARE USED:**

dBase, Quattro Pro spreadsheets, PCs

**COMMENT ON DIGITAL:**

### **SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 month

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** Yes

**HOW TO GET DATA,** Explain use to clients. Costs: minimal for copying, etc. Conditional data: May need to  
**CONDITIONS, COST:** wait on some if in litigation or part of a purchase.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/30/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***Lower South Platte Water Conservancy District***

### **CONTACT INFORMATION**

**DATA SET:** Irrigation Wells  
**CONTACT:** Bob Schott  
**TITLE:** Manager  
**ORGANIZATION:** Lower South Platte Water Conservancy District  
**PROGRAM:** Water Conservation  
**PHYSICAL ADDRESS:** 100 Broadway Plaza, 12  
Sterling, CO 80751  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (970) 522-1378      **EXT:**      **FAX:** (970) 522-0848  
**EMAIL:** h2odist@henge.com

### **DATABASE DESCRIPTION**

#### ***GEOGRAPHIC COVERAGE:***

South Platte Valley starting northwest of Fort Morgan and extending to the state line near Julesburg, CO.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

Farmer/land owner information

#### **LEGAL BASIS:**

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1,050

**COMMENT:** Approximate

**NUMBER OF SAMPLING SITES:** 91

**COMMENT:**

**NUMBER OF PARAMETERS:** 6

**COMMENT:**

***Lower South Platte Water Conservancy District (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: No NUTRIENTS: Yes  
PHYSICAL: Yes BIOLOGICAL: No LOCATIONAL: No OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Electric conductivity, total dissolved solids, pH, and Nitrate-N

DATA SET BEGIN: 1991

DATA SET END: 1996

TO PRESENT: No

TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**

ELECTRONIC/DIGITAL: Yes

HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No REPORTS: Yes MAPS: No MICROFICHE: No OTHER: No

COMMENT:

**DIGITAL FORMAT:**

DIGITAL HARDWARE AND SOFTWARE USED:

COMMENT ON DIGITAL:

**SAMPLING FREQUENCY:**

ANNUAL: No

BIANNUALLY: No

SEASONAL: Yes

MONTHLY: No

>1X/MONTHLY: No

CONTINUOUS: No

VARIABLE: No

1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

One week, then project was completed.

**AVAILABILITY OF DATA:**

PUBLIC: No

NOT PUBLIC: No

CONDITIONAL: Yes

HOW TO GET DATA, Authorization is required from the landowner and/or well owner to release data.

CONDITIONS, COST:

WORLD WIDE WEB MONITORING DATA ADDRESS:

WORLD WIDE WEB METADATA ADDRESS:

DATE OF SURVEY 05/11/1999

SURVEYED BY: George Weber

ADDITIONAL NOTES:

## ***Lower South Platte Water Conservancy District***

### **CONTACT INFORMATION**

**DATA SET:** Dedicated Monitoring Wells

**CONTACT:** Bob Schott

**TITLE:** Manager

**ORGANIZATION:** Lower South Platte Water Conservancy District

**PROGRAM:** Water Conservation

**PHYSICAL ADDRESS:** 100 Broadway Plaza, 12  
Sterling, CO 80751

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 522-1378      **EXT:**      **FAX:** (970) 522-0848

**EMAIL:** h2odist@hengo.com

### **DATABASE DESCRIPTION**

#### ***GEOGRAPHIC COVERAGE:***

South Platte River Valley starting northwest of Fort Morgan and extending to the state line near Julesburg.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** To establish a credible baseline for nitrate-N and salinity for area sampling.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 525

**COMMENT:** 525 is approximate

**NUMBER OF SAMPLING SITES:** 15

**COMMENT:**

**NUMBER OF PARAMETERS:** 6

**COMMENT:**



***Lower South Platte Water Conservancy District (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: No NUTRIENTS: Yes  
PHYSICAL: Yes BIOLOGICAL: No LOCATIONAL: No OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Other data element: electric conductivity, total dissolved solids, pH, and Nitrate-N.

DATA SET BEGIN: 1994

DATA SET END: 1996

TO PRESENT: No

TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**

ELECTRONIC/DIGITAL: Yes

HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No REPORTS: Yes MAPS: No MICROFICHE: No OTHER: No

COMMENT:

**DIGITAL FORMAT:**

DIGITAL HARDWARE AND SOFTWARE USED:

COMMENT ON DIGITAL:

**SAMPLING FREQUENCY:**

ANNUAL: No

BIANNUALLY: No

SEASONAL: No

MONTHLY: Yes

>1X/MONTHLY: No

CONTINUOUS: No

VARIABLE: No

1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

It took approximately 1 week to complete the project.

**AVAILABILITY OF DATA:**

PUBLIC: Yes

NOT PUBLIC: No

CONDITIONAL: No

HOW TO GET DATA, Contact Lower South Platte Water Conservancy District. No cost for one copy.

CONDITIONS, COST:

WORLD WIDE WEB MONITORING DATA ADDRESS:

WORLD WIDE WEB METADATA ADDRESS:

DATE OF SURVEY 05/06/1998

SURVEYED BY: George Weber

ADDITIONAL NOTES:

## ***Metropolitan Wastewater Reclamation District***

### ***CONTACT INFORMATION***

**DATA SET:** Metro Wastewater Reclamation District

**CONTACT:** Joni R. Nuttle

**TITLE:** Water Quality Specialist

**ORGANIZATION:** Metropolitan Wastewater Reclamation District/Water Quality Division

**PROGRAM:** Laboratory Services

**PHYSICAL ADDRESS:** 6450 York Street,  
Denver, CO 802297499

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 286-3368      **EXT:**      **FAX:** (303) 286-3029

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Metro Denver area. Counties: Denver, Arapahoe, Douglas, etc.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** No      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Compliance with NPDES.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 330,700

#### **COMMENT:**

#### **NUMBER OF SAMPLING SITES:**

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 400

**COMMENT:** Not all analyses for each sample

## ***Metropolitan Wastewater Reclamation District (continued)***

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** Yes    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** Yes  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

Other data elements are 'intermediate tests'.

**DATA SET BEGIN:** 1987

**DATA SET END:**

**TO PRESENT:** Yes

### **TIME COVERAGE COMMENT:**

1/19/87 to present (on LIMS). Older data is hardcopy and archived.

### **DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

### **HARDCOPY FORMAT:**

**FILES:** Yes    **REPORTS:** Yes    **MAPS:** Yes    **MICROFICHE:** No    **OTHER:** Yes

**COMMENT:** Reports filed with CDPHE and EPA.

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

Software: proprietary Perkin-Elmer LIMS 2000. Hardware: proprietary Concurrent Computer Corp.

#### **COMMENT ON DIGITAL:**

### **SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** Yes

**>1X/MONTHLY:** Yes

**CONTINUOUS:** Yes

**VARIABLE:** No

**1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Depends on date, samples, and analyses.

### **AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact MWRD Laboratory Services. Cost is function of request and time to process.

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/19/1997

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *National Resource Conservation Service*

### ***CONTACT INFORMATION***

**DATA SET:** Distribution of Nitrates in the Unconfined Aquifer of the San Luis Valley

**CONTACT:** Randal Ristau

**TITLE:** Water Quality/Agronomy Specialist

**ORGANIZATION:** USDA/NRCS&CSU CES

**PROGRAM:** San Luis Valley Water Quality Demonstration Program

**PHYSICAL ADDRESS:** 0881 N. Highway 295,  
Monte Vista, CO 81144

**MAILING ADDRESS (if different):** PO Box 230,  
Monte Vista, CO 81144

**PHONE:** (719) 852-0960      **EXT:**      **FAX:** (719) 852-2990

**EMAIL:** slvwdp@coop.ext.colstate.edu

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

San Luis Valley of Colorado

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** Yes

#### ***COMMENT ON ACTIVITIES:***

Other activity: Impact of Best Management Practices (BMPs)

**LEGAL BASIS:** Monitoring: Monitor the concentration of nitrates in the unconfined aquifer of the San Luis Valley.  
Public information: Let the public know what the concentrations of nitrates are and also if the problem is being helped by best management practices (BMPs). Impact of BMPs: Show if BMPs are having an effect on the nitrate levels in the aquifer.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

#### ***# SAMPLING EVENTS:***

**COMMENT:** 1 for each site with a subset of 3.

**NUMBER OF SAMPLING SITES:** 120

**COMMENT:** 60 in year one. 120 in year two.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** No response given.

**MAJOR IONS:** No    **INORGANICS:** No    **ORGANICS:** No    **NUTRIENTS:** Yes  
**PHYSICAL:** No    **BIOLOGICAL:** No    **LOCATIONAL:** No    **OTHER DATA ELEMENT:** Yes  
**METADATA:** No

## Nitrates

**TIME COVERAGE COMMENT:**

**HARDCOPY FORMAT:**

**COMMENT:**

**DIGITAL FORMAT:**

### DIGITAL HARDWARE AND SOFTWARE USED:

MicroSoft® Excel and Arcview.

**COMMENT ON DIGITAL:**

**MONTHLY:** Yes    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** No    **1 TIME:**No

### TIME FROM SAMPLING TO DATA ACCESSIBILITY:

3 months

**AVAILABILITY OF DATA:** PUBLIC: No NOT PUBLIC: No CONDITIONAL: Yes

**HOW TO GET DATA, CONDITIONS, COST:** Request a copy from project contact. Costs: none. Conditions: samples are analyzed by USGS and they have protocols to follow before the results can be released.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

DATE OF SURVEY 06/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***North Front Range Water Quality Planning Association***

### ***CONTACT INFORMATION***

**DATA SET:** Groundwater Quality: Larimer and Weld Counties  
**CONTACT:** David DuBois  
**TITLE:** Manager  
**ORGANIZATION:** North Front Range Water Quality Planning Association  
**PROGRAM:** CWA Sec. 208 Program  
**PHYSICAL ADDRESS:** 545 N. Cleveland,  
Loveland, CO 80537  
**MAILING ADDRESS (if different):** 500 E. 3rd Street, NFRWQPA  
Loveland, CO 80537  
**PHONE:** (970) 962-2491      **EXT:**      **FAX:** (970) 962-2913  
**EMAIL:** nfrwqpa@frii.com

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Larimer and Weld Counties

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** To provide information to other agencies and individuals for water quality management activities under Section 208, Clean Water Act.

***MEDIA TYPES:***      ***SURFACE WATER:*** No      ***GROUND WATER:*** Yes

***DATA SOURCE:***      ***SAMPLING:*** Yes      ***SECONDARY SOURCE:*** No

#### ***SECONDARY SOURCE(S):***

**# SAMPLING EVENTS:** 2,450

**COMMENT:** Respondent answered 5 sampling events, and 490 sampling sites. Assumed 5 events per each of 490 sites for 2,450 total sampling events in data set.

**NUMBER OF SAMPLING SITES:** 490

**COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:** Varies.

***North Front Range Water Quality Planning Association  
(continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** No  
**METADATA:** No

**COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1989                      **DATA SET END:** 1993                      **TO PRESENT:** No  
**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** No              **HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** Yes   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No  
**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              **ANNUAL:** No              **BIANNUALLY:** No              **SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** Yes   **1 TIME:** Yes

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Not applicable as this is not an on-going program. Generally one time sampling except for seasonally in 1991.

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes   **NOT PUBLIC:** No   **CONDITIONAL:** No

**HOW TO GET DATA,**    Contact NFRWQPA. Data available for minimal cost.  
**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    04/22/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***Pikes Peak Area Council of Governments***

### ***CONTACT INFORMATION***

**DATA SET:** PPACOG Water Quality Data

**CONTACT:** Ken Prather

**TITLE:** Environmental Coordinator (Vacant at time of interview)

**ORGANIZATION:** Pikes Peak Area Council of Governments

**PROGRAM:**

**PHYSICAL ADDRESS:** 15 South 7th Street,  
Colorado Springs, CO 80905

**MAILING ADDRESS**  
(if different):

**PHONE:** (719) 471-7080      **EXT:**      **FAX:** (719) 471-1226

**EMAIL:**

### ***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

Park, El Paso, and Teller Counties.

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Developing a Section 208 Plan under the Clean Water Act.

***MEDIA TYPES:***      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

***DATA SOURCE:***      **SAMPLING:** No      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** USGS, CDPHE/WQCD, EPA.

**# SAMPLING EVENTS:**

**COMMENT:** Unknown, under development at time survey was developed.

**NUMBER OF SAMPLING SITES:**

**COMMENT:** Unknown, under development at time survey was developed.

**NUMBER OF PARAMETERS:**

**COMMENT:** Unknown, under development at time survey was developed.



***Pikes Peak Area Council of Governments (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** No  
**METADATA:** No

**COMMENT ON DATA TYPES:**

Data under development at time survey was developed. Data types contained will be what is available from USGS, EPA, CDPHE sources.

**DATA SET BEGIN:** 1990

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

Data search limited to 1990 to present.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:** Software unknown at time survey developed. Hardware will be desktop.

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** Yes   **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Contractor scheduled to deliver data 4/98. 208 plan required to be developed annually.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,**   Contact Environmental Coordinator. Hardcopy costs \$0.50/page. Digital costs for time  
**CONDITIONS, COST:**   and materials to be determined.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   02/24/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Pine Brook Water District*

### ***CONTACT INFORMATION***

**DATA SET:** Four Mile Creek Data

**CONTACT:** Bob Dehaas

**TITLE:** District Manager

**ORGANIZATION:** Pine Brook Water District

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

1903 Linden Drive,  
(if different): Boulder, CO 80304-0426

**PHONE:** (303) 443-5394

**EXT:**

**FAX:** (303) 415-0621

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Just below intersection of Poorman and Four Mile Road.. SE corner of Section 21, T1N, R71W.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No

**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Developed data to plan and assess effectiveness of proposed treatment under SDWA.

#### ***MEDIA TYPES:***

**SURFACE WATER:** Yes

**GROUND WATER:** No

#### ***DATA SOURCE:***

**SAMPLING:** Yes

**SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 3

#### **COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:** 20 to 30

***Pine Brook Water District (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: Yes   NUTRIENTS: No  
PHYSICAL: No   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1995                      DATA SET END: 1995                      TO PRESENT: Yes

**TIME COVERAGE COMMENT:**

Biological data is developed annually. Others 1995 only.

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: No              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No  
COMMENT:

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: Yes              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Function of how backed up the laboratory is. Not more than 6 weeks.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA,**              Contact District. No policy for charging costs at this point in time.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    03/12/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Saint Charles Mesa Water District*

### ***CONTACT INFORMATION***

**DATA SET:** St. Charles Mesa Water District

**CONTACT:** David K. Simpson

**TITLE:** Assistant Manager

**ORGANIZATION:** Saint Charles Mesa Water District Water Treatment/Laboratory

**PROGRAM:**

**PHYSICAL ADDRESS:** 1397 Aspen Road,  
Pueblo, CO 81006

**MAILING ADDRESS**  
(if different):

**PHONE:** (719) 542-4380      **EXT:**      **FAX:** (719) 542-4862

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

At inlet to storage reservoir and at water treatment plant intake. Reservoir draws from Arkansas River downstream of Pueblo Reservoir.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Planning: Use the analysis to plan for any future change in treatment method. Regulation: To fulfill requirement of the Safe Drinking Water Act. Monitoring: To maintain a high quality water, and help for any possible problems in that goal. Public information: To give the public the information needed to keep them aware of the quality of water provided and to inform them of any possible problems.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes  
**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** USGS, Pueblo District Office.

**# SAMPLING EVENTS:** 9750

**COMMENT:** Number of sampling events is estimation calculated by assuming 5 sites sampled 2.5 times per week for 15 years. District may have additional data going back to 1996.

**NUMBER OF SAMPLING SITES:** 5

**COMMENT:**

**NUMBER OF PARAMETERS:** 5

**COMMENT:**

***Saint Charles Mesa Water District (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: Yes   NUTRIENTS: No  
PHYSICAL: No   BIOLOGICAL: No   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

Water quality data varies over time period due to changes in Safe Drinking Water Act.

**DATA SET BEGIN:** 1966

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

Water quality data varies over time period due to changes in Safe Drinking Water Act.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** Yes   **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

One month.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Request it. There has never been any cost. But in the event the request of an unusual nature that may have to be evaluated.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/27/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Upper Gunnison River Water Conservation District*

### **CONTACT INFORMATION**

**DATA SET:** Various data sets

**CONTACT:** Kathleen Klein

**TITLE:** Manager

**ORGANIZATION:** Upper Gunnison River Water Conservation District

**PROGRAM:** USGS Cooperative Program

**PHYSICAL ADDRESS:** 275 South Spruce Street,  
Gunnison, CO 81230

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 641-6065      **EXT:**      **FAX:** (970) 641-6727

**EMAIL:** ugrwcd@rmi.net

### **DATABASE DESCRIPTION**

#### **GEOGRAPHIC COVERAGE:**

Gunnison River/East River

#### **ACTIVITIES SUPPORTED:**

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDiation:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Survey respondent was not employed by UGRWCD when the cooperative agreement was developed with USGS. She assumes the objective was to address existing and future water quality concerns and develop data to support policy decisions.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Contact USGS in Grand Junction to determine number of sampling events. (970/245-5257)

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** 16 to 18

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Contact USGS in Grand Junction to determine number of parameters (970/245-5257).

***Upper Gunnison River Water Conservation District  
(continued)***

**DATA TYPES:**

**MAJOR IONS:** No   **INORGANICS:** No   **ORGANICS:** No   **NUTRIENTS:** No  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** No  
**METADATA:** No

**COMMENT ON DATA TYPES:**

Contact USGS in Grand Junction to determine data types (970/245-5257)

**DATA SET BEGIN:** 1995

**DATA SET END:** 1998

**TO PRESENT:** No

**TIME COVERAGE COMMENT:**

It is time to analyze the data in order to either modify the program, draw conclusions, or determine where water quality monitoring needs are.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Ask USGS in Grand Junction (970/245-5257)

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Ask USGS in Gunnison (970/245-5257).

**AVAILABILITY OF DATA:**

**PUBLIC:** No

**NOT PUBLIC:** No

**CONDITIONAL:** Yes

**HOW TO GET DATA,** Data has not been analyzed at this time. Contact UGRWCD or USGS in Grand Junction  
**CONDITIONS, COST:** (970/245-5257). Potential costs for obtaining the data are unknown.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/01/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## ***URS Operating Services, Inc.***

### ***CONTACT INFORMATION***

**DATA SET:** Sites and Watersheds throughout Colorado

**CONTACT:** Chuck Baker

**TITLE:** Deputy START Team Leader

**ORGANIZATION:** URS Operating Services, Inc.

**PROGRAM:** Superfund Technical Assessment and Response Team

**PHYSICAL ADDRESS:** 1099 18th Street, 710  
Denver, CO 80202

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 296-9700      **EXT:**      **FAX:** (303) 291-8296

**EMAIL:** cbaler@ursgreomer/cp,

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Colorado (See attachment to paper survey)

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDiation:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### ***COMMENT ON ACTIVITIES:***

Site assessment work in Colorado supports the EPA Superfund Program. Data generated aids in NPL site listing, removal and clean-up planning, and brownfields redevelopment efforts.

**LEGAL BASIS:** Data collected by URS is for the EPA Superfund Program (Site Assessment), Emergency Response Branch, and prevention and Preparedness Team. All reports generated and data may be obtained through EPA Region VIII in Denver, Colorado. The work completed by URS is for the START contract for EPA Region VIII. URS is subsidiary of URS Greiner, created solely for the START contract. Please contact Chris Stotler, URS Greiner Program Manager for information.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Please refer to attached pages for a listing of the sites in Colorado URS works on for EPA Region VIII. If specific information is needed for a site, the site can be tracked by its unique TDD number provided.

#### ***# SAMPLING EVENTS:***

**COMMENT:** Depends on site.

#### ***NUMBER OF SAMPLING SITES:***

**COMMENT:** Depends on site.

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Various





## ***US Bureau Of Land Management***

### ***CONTACT INFORMATION***

**DATA SET:** Abandoned Mine Program Water Quality Data  
**CONTACT:** William Carey  
**TITLE:** State Hydrologist  
**ORGANIZATION:** USDO/BLM/Colorado State Office  
**PROGRAM:** Abandoned Mine Program  
**PHYSICAL ADDRESS:** 2850 Youngfield Street,  
Lakewood, CO 80215  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 239-3722 **EXT:** **FAX:** (303) 239-3933  
**EMAIL:** bcarey@co.blm.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Upper Animas River Basin above Silverton. Will expand in future, e.g., this year just south of Gunnison.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** No  
**REMEDATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Clean Water Act, Federal Lands Policy and Management Act, CERCLA, RCRA

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** No

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

#### ***# SAMPLING EVENTS:***

**COMMENT:** Varies from one time to multiple times for different sites.

**NUMBER OF SAMPLING SITES:** 24

#### ***COMMENT:***

**NUMBER OF PARAMETERS:** 77

#### ***COMMENT:***

***US Bureau Of Land Management (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** No   **NUTRIENTS:** No  
**PHYSICAL:** Yes   **BIOLOGICAL:** No   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** Yes  
**METADATA:** No

**COMMENT ON DATA TYPES:**

Other data elements: Time, date, BLM identifier, and comment field. Metadata is available from Bill Carey.

**DATA SET BEGIN:** 1994                      **DATA SET END:**                      **TO PRESENT:** Yes  
**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** No  
**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Software: dBase IV. Hardware: DOS based desktop.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              **ANNUAL:** Yes   **BIANNUALLY:** No   **SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** No   **1 TIME:** No  
**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes   **NOT PUBLIC:** No   **CONDITIONAL:** No

**HOW TO GET DATA,**    Contact Bill Carey. No cost.  
**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    02/17/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Bureau Of Land Management*

### ***CONTACT INFORMATION***

**DATA SET:** Water Quality Benchmark Inventory  
**CONTACT:** Jim Scheidt  
**TITLE:** Hydrologist  
**ORGANIZATION:** USDOJ/BLM/Resources  
**PROGRAM:** Soil, Water, and Air  
**PHYSICAL ADDRESS:** 2815 H. Road, CO-071  
Grand Junction, CO 81506  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (970) 244-3076 **EXT:** **FAX:** (970) 244-3083  
**EMAIL:** jscheidt@co.blm.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Grand Junction and Glenwood Springs Resource Areas

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** Yes  
**REMEDATION:** No **MONITORING:** Yes **PUBLIC INFORMATION:** No **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Compliance with Clean Water Act, Colorado Basin Salinity Control Act, National Environmental Protection Act. Determine trends in water quality from land management actions.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** No

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

**# SAMPLING EVENTS:** 82

**COMMENT:** Grand Junction = 30+, Glenwood Springs = 2 some data, 50 for other data

**NUMBER OF SAMPLING SITES:** 151

**COMMENT:** Grand Junction = up to 46, Glenwood Springs = up to 105

#### ***NUMBER OF PARAMETERS:***

**COMMENT:** Glenwood approximately 8, Grand Junction approximately 37

***US Bureau Of Land Management (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1980                      DATA SET END: 1995                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: Yes              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: Yes   REPORTS: Yes   MAPS: Yes   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Much in dBase III+

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

3 months lag. Variable frequency: typically during a high and low flow period.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA,**    Contact Jim Scheidt. Costs for photocopying.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    04/21/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Bureau Of Land Management*

### ***CONTACT INFORMATION***

**DATA SET:** Surface Water Streams / Springs

**CONTACT:** Carol Hollowed

**TITLE:** Hydrologist

**ORGANIZATION:** USDOI/BLM/White River Resource Area/Renewable Resources

**PROGRAM:** Soil, Water, Air

**PHYSICAL ADDRESS:** 73544 Highway 64,  
Meeker, CO 81691

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 878-3601      **EXT:** 5536      **FAX:** (970) 878-5717

**EMAIL:** Chollowe@co.blm.gov

### ***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

White River Resource Area Public Land

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

**COMMENT ON ACTIVITIES:**

Range, wildlife, riparian, oil and gas, mining

**LEGAL BASIS:** ?

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

**SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1800

**COMMENT:** Surface Water streams: 18 stations, roughly 300 samples. Springs: 839.

**NUMBER OF SAMPLING SITES:**

**COMMENT:** See comment regarding sampling events.

**NUMBER OF PARAMETERS:**

**COMMENT:** Surface Water Colorado streams: varies, some are more detailed. Springs: 3.

***U.S. Bureau of Land Management (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: No   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: No   BIOLOGICAL: No   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

Data elements for Surface Water streams only.

**DATA SET BEGIN:** 1980

**DATA SET END:** 1986

**TO PRESENT:** No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

No response.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Make request in person or by mail. Costs: research time, \$ 0.13/copy, and postage.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/22/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *U.S. Bureau of Land Management*

### ***CONTACT INFORMATION***

**DATA SET:** Kremmling Resource Area

**CONTACT:** Paula Ledford

**TITLE:** Hydrologist

**ORGANIZATION:** USDO/BLM/Kremmling Resource Area

**PROGRAM:**

**PHYSICAL ADDRESS:** 1116 Park Avenue,  
Kremmling, CO 80459

**MAILING ADDRESS (if different):** P.O. Box 68,  
Kremmling, CO 80459

**PHONE:** (970) 724-3437      **EXT:**      **FAX:** (970) 724-9590

**EMAIL:** pledford@co.blm.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Middle Park, North Park, selected public waters

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Generally monitoring has been done to provide baseline information on water quality and flows in the area. In 1980, a spring and fall sample was taken on most BLM managed springs, streams, and wells for major anions/cations. Monitoring is part of overall mandate of management of public lands and specific NEPA compliance to monitor land actions. Subsequent monitoring varies in frequency, constituents tested, and stream segments sampled.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Variable

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:**

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Variable



***U.S. Bureau of Land Management (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** Yes    **ORGANICS:** Yes    **NUTRIENTS:** Yes  
**PHYSICAL:** Yes    **BIOLOGICAL:** No    **LOCATIONAL:** Yes    **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

Some data sets (subsets) have broad chemistry data. Most, however, are limited to a few specifics. One subset is a sediment study, for example. Regarding metadata, only one subset is complete.

**DATA SET BEGIN:** 1980

**DATA SET END:** 1997

**TO PRESENT:** No

**TIME COVERAGE COMMENT:**

Some stations only have 1 year of data. Others are for limited time periods.

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:** dBase IV initially used to enter some parameters. We are now purchasing and installing Access to be compatible with State Engineer's Office. We would enter data if a database was to be used by state for water quality.

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Approximately 1 month. Almost all of the sampling is between April and October. Some streams have periods of monthly sampling for limited years budgets, project dependent.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,** Call or write requesting the data. Costs: mailing, and \$ 0.15 copy . Charge will be

**CONDITIONS, COST:** made for staff time if the request is large. A requestor can visit on site and access the files.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/24/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *U.S. Bureau of Land Management*

### ***CONTACT INFORMATION***

**DATA SET:** BLM Montrose District Water Quality Data

**CONTACT:** Dennis Murphy

**TITLE:** Hydrologist

**ORGANIZATION:** USDO/BLM/Montrose District Office/Gunnison Resource Area

**PROGRAM:** Soil, Water, Air Resource Program

**PHYSICAL ADDRESS:** 2465 S. Townsend Ave.,  
Montrose, CO 81401

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 240-5342      **EXT:**      **FAX:** (970) 240-5368

**EMAIL:** d1murphy@co.blm.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Montrose District, Southwest Colorado

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Clean Water Act and BLM policy

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 400

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 80

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 31

#### **COMMENT:**

***U.S. Bureau of Land Management (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

Very cursory metadata.

**DATA SET BEGIN:** 1976

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 month. Sampling is completed usually during snowmelt and again during base flow.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,**   Contact BLM Montrose District. Costs charged for copying.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   04/22/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Fruit Grower's Reservoir

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOI/BOR/Western Colorado Area Office/Northern Division

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Fruitgrowers' Reservoir, Colorado

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Monitoring of reservoir water quality to check suitability for contact recreation. Data was used in making decision to close reservoir to contact recreation due to high coliform levels.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 11

**COMMENT:** Response unclear – could mean 11 events for each of 5 sites, making for 55 events (?).

**NUMBER OF SAMPLING SITES:** 5

**COMMENT:**

**NUMBER OF PARAMETERS:** 5

**COMMENT:**

***US Bureau of Reclamation (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: No NUTRIENTS: No  
PHYSICAL: Yes BIOLOGICAL: Yes LOCATIONAL: No OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Other: fecal and total coliform.

DATA SET BEGIN: 1988

DATA SET END: 1988

TO PRESENT: No

TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**

ELECTRONIC/DIGITAL: No

HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No REPORTS: Yes MAPS: No MICROFICHE: No OTHER: No

COMMENT:

**DIGITAL FORMAT:**

DIGITAL HARDWARE AND SOFTWARE USED:

COMMENT ON DIGITAL:

**SAMPLING FREQUENCY:**

ANNUAL: No

BIANNUALLY: No

SEASONAL: No

MONTHLY: No

>1X/MONTHLY: Yes

CONTINUOUS: No

VARIABLE: No

1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Sampling is complete: all results are in the report.

**AVAILABILITY OF DATA:**

PUBLIC: Yes

NOT PUBLIC: No

CONDITIONAL: No

HOW TO GET DATA, Call contact person. Cost: copying and postage.

CONDITIONS, COST:

WORLD WIDE WEB MONITORING DATA ADDRESS:

WORLD WIDE WEB METADATA ADDRESS:

DATE OF SURVEY 04/13/1998

SURVEYED BY: George Weber

ADDITIONAL NOTES:

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Glenwood-Dotsero Springs

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOJ/BOR/Western Colorado Area Office/Northern Division

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Glenwood Springs and Dotsero, Colorado.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Data was collected as part of salinity control project planning studies.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies by spring.

#### **NUMBER OF SAMPLING SITES:** 20

**COMMENT:** 8 Dotsero Springs, 12 Glenwood Springs

#### **NUMBER OF PARAMETERS:** 10

**COMMENT:**

***US Bureau of Reclamation (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: No   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1972                      DATA SET END: 1980                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: No              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:**      Request from contact person. Costs: copying, search (varies by nature of the request).

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**      04/28/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Grand Valley Surface Water

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOJ/BOR/Western Colorado Area Office

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Grand Valley Area (Palisade to Mack).

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Sampling done as part of salinity control project planning studies.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies from site to site.

**NUMBER OF SAMPLING SITES:** 139

**COMMENT:** Approximate

**NUMBER OF PARAMETERS:** 15

**COMMENT:**



## *US Bureau of Reclamation (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** No    **ORGANICS:** No    **NUTRIENTS:** No  
**PHYSICAL:** Yes    **BIOLOGICAL:** No    **LOCATIONAL:** No    **OTHER DATA ELEMENT:** No  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1973                      **DATA SET END:** 1986                      **TO PRESENT:** No

### **TIME COVERAGE COMMENT:**

Historical sampling coverage varies by site; all sampling appears to be bounded approximately between 1973 to 1986; frequency of sampling varies within and between sites (monthly-quarterly).

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No

### **COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

dBase III, pc

### **COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              **ANNUAL:** No    **BIANNUALLY:** No    **SEASONAL:** Yes

**MONTHLY:** Yes    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** No    **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Sampling program complete -- all results in file. Sampling frequency varies from site to site as well as within a site's sampling history.

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes    **NOT PUBLIC:** No    **CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Request from contact person. Costs: copying, diskette, search (varies by nature of request).

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/13/1998

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Grand Valley Wells

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOJ/BOR/Western Colorado Area Office/Northern Division

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@us.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Grand Valley (Palisade to Mack).

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Samples were collected as part of salinity control project planning studies.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies from well to well.

**NUMBER OF SAMPLING SITES:** 273

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 15

#### **COMMENT:**

## *US Bureau of Reclamation (continued)*

### **DATA TYPES:**

**MAJOR IONS:** Yes    **INORGANICS:** No    **ORGANICS:** No    **NUTRIENTS:** No  
**PHYSICAL:** Yes    **BIOLOGICAL:** No    **LOCATIONAL:** No    **OTHER DATA ELEMENT:** No  
**METADATA:** No

### **COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1974                      **DATA SET END:** 1986                      **TO PRESENT:** No

### **TIME COVERAGE COMMENT:**

Varies from well to well; maximum period coverage appears to run from 1974 to 1986.

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** No

### **HARDCOPY FORMAT:**

**FILES:** No    **REPORTS:** No    **MAPS:** No    **MICROFICHE:** No    **OTHER:** No  
**COMMENT:**

### **DIGITAL FORMAT:**

#### **DIGITAL HARDWARE AND SOFTWARE USED:**

Text file.

**COMMENT ON DIGITAL:** Must be read in specified format.

**SAMPLING FREQUENCY:**              **ANNUAL:** No    **BIANNUALLY:** No    **SEASONAL:** Yes

**MONTHLY:** Yes    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** Yes    **1 TIME:** No

### **TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Sampling program has been completed -- all results have been entered. Sampling frequency varies from well to well as well as within the sampling history of a particular well.

**AVAILABILITY OF DATA:**              **PUBLIC:** Yes    **NOT PUBLIC:** No    **CONDITIONAL:** No

**HOW TO GET DATA,** Request from contact person. Costs: copying, diskette, search costs (varies by nature of  
**CONDITIONS, COST:** request).

### **WORLD WIDE WEB MONITORING DATA ADDRESS:**

### **WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/13/1998

**SURVEYED BY:** George Weber

### **ADDITIONAL NOTES:**

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Lower Gunnison Surface Water

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOI/BOR/Western Colorado Area Office/Northern Division

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Lower Gunnison River basin.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Data was collected as part of salinity control project studies.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies from site to site.

**NUMBER OF SAMPLING SITES:** 103

**COMMENT:** Approximate

**NUMBER OF PARAMETERS:** 15

**COMMENT:**



## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Lower Gunnison Wells

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOl/BOR/Upper Colorado Region/Western Colorado Area  
Office/Northern Division/Water Resources Group

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60208,  
Grand Junction, CO 81506-

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Lower Gunnison River basin.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Data collected as part of salinity control project planning studies.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies by well.

**NUMBER OF SAMPLING SITES:** 70

**COMMENT:** Approximate

**NUMBER OF PARAMETERS:** 15

**COMMENT:**

***US Bureau of Reclamation (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: No   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: No   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1978                                      DATA SET END: 1983                                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

Coverage varies from well to well; maximum period appears to span July 78 to October 83.

**DATA STORAGE FORMAT:**                      ELECTRONIC/DIGITAL: Yes                      HARDCOPY: No

**HARDCOPY FORMAT:**

FILES: No   REPORTS: No   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Text file.

**COMMENT ON DIGITAL:** Must be read in specified format.

**SAMPLING FREQUENCY:**                      ANNUAL: No                      BIANNUALLY: No                      SEASONAL: Yes

MONTHLY: Yes   >1X/MONTHLY: Yes                      CONTINUOUS: Yes                      VARIABLE: Yes                      1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**                      PUBLIC: Yes                      NOT PUBLIC: No                      CONDITIONAL: No

**HOW TO GET DATA,** Request from contact person. Costs: copying, diskette, search costs (varies by nature of  
**CONDITIONS, COST:** request).

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/13/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Bureau of Reclamation*

### ***CONTACT INFORMATION***

**DATA SET:** Meeker Dome

**CONTACT:** John Ozga

**TITLE:** Hydraulic Engineer

**ORGANIZATION:** USDOI/BOR/Western Colorado Area Office/Northern Division

**PROGRAM:**

**PHYSICAL ADDRESS:** 2764 Compass Drive,  
Grand Junction, CO 81506

**MAILING ADDRESS (if different):** P.O. Box 60340,  
Grand Junction, CO 81506

**PHONE:** (970) 248-0640      **EXT:**      **FAX:** (970) 248-0601

**EMAIL:** jozga@uc.usbr.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Meeker Dome vicinity

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Planning studies for salinity control project. Water quality monitoring following implementation of salinity control work (well plugging).

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** USGS

#### **# SAMPLING EVENTS:**

**COMMENT:** Varies by site.

**NUMBER OF SAMPLING SITES:** 29

**COMMENT:** 12 surface, 17 ground water

#### **NUMBER OF PARAMETERS:**

**COMMENT:** surface water 13, springs & seep: 12, observation wells: 12



***US Bureau of Reclamation (continued)***

**DATA TYPES:**

MAJOR IONS: Yes    INORGANICS: No    ORGANICS: No    NUTRIENTS: No  
PHYSICAL: Yes    BIOLOGICAL: No    LOCATIONAL: No    OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1964                      DATA SET END: 1983                      TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: No              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No    REPORTS: Yes    MAPS: No    MICROFICHE: No    OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: Yes    >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes    1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Sampling program is complete -- all results are available. Sampling frequency varies by sampling site.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:**    Request from contact person. Costs: copying, search costs (varies by nature of request).

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    04/28/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Department of Defense*

### ***CONTACT INFORMATION***

**DATA SET:** Rocky Mountain Arsenal Environmental Database

**CONTACT:** Dan Barchers, Ph.D.

**TITLE:** Remediation Venture Office Information Systems Coordinator

**ORGANIZATION:** USDOD/Rocky Mountain Arsenal/Remediation Venture Office

**PROGRAM:**

**PHYSICAL ADDRESS:** 72nd and Quebec Street,  
Commerce City, CO 80022

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 853-3990      **EXT:**      **FAX:** (303) 853-3946

**EMAIL:** dan\_barchers@mk.com

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Rocky Mountain Arsenal and adjacent off-post areas in Adams County.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDIATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** Yes

#### **COMMENT ON ACTIVITIES:**

'Other activity': Not identified.

**LEGAL BASIS:** Remedial Investigation and Remediation of Superfund Site.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Tri-County Health Department is source. Dan Collins is the contact for this source at 288-6816.

#### **# SAMPLING EVENTS:**

**COMMENT:** 10s of thousands.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Approximately 2,500.

#### **NUMBER OF PARAMETERS:** 45

**COMMENT:** 45 fields per record, one record per analyte.

***US Department of Defense (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: Yes   NUTRIENTS: No  
PHYSICAL: Yes   BIOLOGICAL: No   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1984                      DATA SET END:                      TO PRESENT: Yes  
TIME COVERAGE COMMENT:

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: Yes              HARDCOPY: No

**HARDCOPY FORMAT:**

FILES: No   REPORTS: No   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Ingress, UDMS, DEC Alpha

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

90 days.

**AVAILABILITY OF DATA:**              PUBLIC: No              NOT PUBLIC: Yes              CONDITIONAL: Yes

**HOW TO GET DATA,**    Contact Remediation Venture Office, Public Affairs Office at Rocky Mountain Arsenal.

**CONDITIONS, COST:**    You must identify the use and purpose of the data. Data is available at no cost.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    03/06/1998

**SURVEYED BY:**    George Weber

**ADDITIONAL NOTES:** Some sampling events are periodic, for example quarterly. Others are project specific, e.g., one time.

## ***US Environmental Protection Agency***

### ***CONTACT INFORMATION***

**DATA SET:** PCS (Permit Compliance System)

**CONTACT:** Brenda Cazier

**TITLE:** Acting PCS Database Coordinator

**ORGANIZATION:** USEPA Enforcement, Compliance, and Environmental Justice  
Program/Planning and Targeting

**PROGRAM:**

**PHYSICAL ADDRESS:** 999 18th Street, Suite 500  
Denver, CO 802022466

**MAILING ADDRESS (if different):** 999 18th Street, Suite 500, 8ENF-PT  
Denver, CO 80202-2466

**PHONE:** (303) 312-6986 **EXT:** **FAX:** (303) 312-6826

**EMAIL:** cazier.brenda@epamail.epa.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** Yes **PLANNING:** Yes **REGULATION:** Yes  
**REMEDIATION:** Yes **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Supports EPA and CDPHE in conducting National Pollutant Discharge Elimination System Program compliance and enforcement activities under the Clean Water Act.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** No

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Primary data developed and reported to PCS by permitted discharges. EPA conducts a limited amount of sampling (develops primary data) to validate sampling and reporting of permittees.

#### **# SAMPLING EVENTS:**

**COMMENT:** EPA does not know. Very large.

**NUMBER OF SAMPLING SITES:** 1,340

#### **COMMENT:**

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Not known by EPA, but extremely large and changing constantly. PCS data dictionary is approximately 600 pages in length.

<b>MAJOR IONS:</b>	No	<b>INORGANICS:</b>	Yes	<b>ORGANICS:</b>	Yes	<b>NUTRIENTS:</b>	Yes
<b>PHYSICAL:</b>	Yes	<b>BIOLOGICAL:</b>	Yes	<b>LOCATIONAL:</b>	Yes	<b>OTHER DATA ELEMENT:</b>	No
<b>METADATA:</b>	No						

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:** ELECTRONIC/DIGITAL: Yes      HARDCOPY: No

**DIGITAL FORMAT:**

Hardware: IBM mainframe. Software: ADABAS

**SAMPLING FREQUENCY:** ANNUAL: No BIANNUALLY: No SEASONAL: No

**MONTHLY:** No    **>1X/MONTHLY:** No    **CONTINUOUS:** No    **VARIABLE:** Yes    **1 TIME:**No

### TIME FROM SAMPLING TO DATA ACCESSIBILITY:

Maximum of 58 days from end of monthly reporting period.

**AVAILABILITY OF DATA:** PUBLIC: Yes NOT PUBLIC: No CONDITIONAL: No

<b>HOW TO GET DATA, CONDITIONS, COST:</b>	Obtain through the Internet at no cost. Or contact Brenda Cazier, Acting PCS Database Administrator under the Freedom of Information Act (FOIA). For FOIA requests EPA charge is variable depending on the size of request, type of requestor, and grade of staff preparing the response.
---	---

**WORLD WIDE WEB MONITORING DATA ADDRESS:** [www.epa.gov/epahriis/letter](http://www.epa.gov/epahriis/letter)

**WORLD WIDE WEB METADATA ADDRESS:**

DATE OF SURVEY 02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Fish and Wildlife Service*

### **CONTACT INFORMATION**

**DATA SET:** Westwide Irrigation Drainwater Assessment,  
Colorado, 1996

**CONTACT:** Andrew Archuleta

**TITLE:** Environmental Contaminants Specialist

**ORGANIZATION:** USDOI/FWS/Colorado Field Office

**PROGRAM:**

**PHYSICAL ADDRESS:** P.O. Box 25486- Denver Federal Center,  
Lakewood, CO 80250-0207

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 275-2370      **EXT:**      **FAX:** (303) 275-2371

**EMAIL:** Andrew\_Archuleta@fws.gov

### **DATABASE DESCRIPTION**

#### **GEOGRAPHIC COVERAGE:**

Colorado, Arkansas, and Purgatoire Rivers

#### **ACTIVITIES SUPPORTED:**

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No  
**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Water samples that we have collected are associated with specific research studies.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

**SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1 per site.

**COMMENT:**

**NUMBER OF SAMPLING SITES:** 11

**COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:** No answer given.

***US Fish and Wildlife Service (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** Yes   **NUTRIENTS:** No  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

Dissolved (total) metals. Regarding metadata: samples are sent to FWS laboratory (Patuxent Analytical Control Facility) who maintains protocols.

**DATA SET BEGIN:** 1996                      **DATA SET END:** 1996                      **TO PRESENT:** No  
**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Report is being developed.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Quattro Pro, Excel, or Access

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              **ANNUAL:** No   **BIANNUALLY:** No   **SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** No   **1 TIME:** Yes

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Variable depending on PACE.

**AVAILABILITY OF DATA:**              **PUBLIC:** No   **NOT PUBLIC:** No   **CONDITIONAL:** Yes

**HOW TO GET DATA,**   Data will be available when report is published.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   04/14/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Fish and Wildlife Service*

### ***CONTACT INFORMATION***

**DATA SET:** 1995 Middle Arkansas River DOI Drainwater

**CONTACT:** Andrew Archuleta

**TITLE:** Environmental Contaminants Specialist

**ORGANIZATION:** USDOI/FWS/Colorado Field Office

**PROGRAM:**

**PHYSICAL ADDRESS:** P.O. Box 25486, Denver Federal Center,  
Lakewood, CO 80225-0207

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 275-2370      **EXT:**      **FAX:** (303) 275-2371

**EMAIL:** Andrew\_Archuleta@fws.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Arkansas River, Colorado

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Water samples that we have collected are associated with specific research studies.

***MEDIA TYPES:***      **SURFACE WATER:** Yes      **GROUND WATER:** No

***DATA SOURCE:***      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1 per site

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 13

#### **COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:** no response



***US Fish and Wildlife Service (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** No   **NUTRIENTS:** No  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

Other data elements: Total metals (dissolved). Regarding metadata: samples are sent to Patuxent Analytical Control Facility Laboratory who maintains protocols.

**DATA SET BEGIN:** 1995                      **DATA SET END:** 1995                      **TO PRESENT:** No

**TIME COVERAGE COMMENT:**

One time sampling event.

**DATA STORAGE FORMAT:**                      **ELECTRONIC/DIGITAL:** Yes                      **HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Hard copy report is in progress.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Quattro Pro, Excel, or Access.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**                      **ANNUAL:** No   **BIANNUALLY:** No   **SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** Yes   **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Variable, depending on PACE. 1 time sampling event.

**AVAILABILITY OF DATA:**                      **PUBLIC:** No   **NOT PUBLIC:** No   **CONDITIONAL:** Yes

**HOW TO GET DATA,**   Must wait for report in progress to be completed.  
**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   04/13/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Fish and Wildlife Service*

### ***CONTACT INFORMATION***

**DATA SET:** Arkansas River Literature Database

**CONTACT:** Andrew Archuleta

**TITLE:** Environmental Contaminants Specialist

**ORGANIZATION:** USDOJ/FWS/Colorado Field Office

**PROGRAM:**

**PHYSICAL ADDRESS:** 755 Parfet, Suite 361  
Lakewood, CO 80215

**MAILING ADDRESS (if different):** 25486-Denver Federal Center,  
Denver, CO 80227-0207

**PHONE:** (303) 275-2353      **EXT:**      **FAX:** (303) 275-2371

**EMAIL:** Andrew\_Archuleta@fws.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Upper Arkansas River Basin (Colorado)

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** Yes      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Bibliographic database: 1) contain scientific literature with emphasis on environmental contaminants, especially mining-related, 2) much of the research was conducted in the Upper Arkansas River Basin.

**MEDIA TYPES:**      **SURFACE WATER:** No      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** No      **SECONDARY SOURCE:** No

**SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:**

**COMMENT:**

**NUMBER OF SAMPLING SITES:**

**COMMENT:**

**NUMBER OF PARAMETERS:**

**COMMENT:**

***US Fish and Wildlife Service (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: No NUTRIENTS: No  
PHYSICAL: No BIOLOGICAL: No LOCATIONAL: No OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: DATA SET END: TO PRESENT: No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:** ELECTRONIC/DIGITAL: Yes HARDCOPY: No

**HARDCOPY FORMAT:**

FILES: No REPORTS: No MAPS: No MICROFICHE: No OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Access database

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:** ANNUAL: No BIANNUALLY: No SEASONAL: No

MONTHLY: No >1X/MONTHLY: No CONTINUOUS: No VARIABLE: No 1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:** PUBLIC: Yes NOT PUBLIC: No CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:** Most of the publications listed are available in the respective journal at libraries, etc.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/29/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:** Many of the survey questions are not relevant for the Arkansas River Literature database. This literature database is included to alert the user of the potential water quality data contained in the literature cited by this database.

## *US Fish and Wildlife Service*

### ***CONTACT INFORMATION***

**DATA SET:** American Dipper Water, 1996

**CONTACT:** Andrew Archuleta

**TITLE:** Environmental Contaminants Specialist

**ORGANIZATION:** USDOJ/FWS/Colorado Field Office

**PROGRAM:**

**PHYSICAL ADDRESS:** P.O. Box 25486-Denver Federal Center,  
Lakewood, CO 802250207

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 275-2370      **EXT:**      **FAX:** (303) 275-2371

**EMAIL:** Andrew\_Archuleta@fws.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Colorado River, Arkansas River, and Poudre River.

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** No      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Water samples that we have collected are associated with specific research studies.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:** 1 per site

#### **COMMENT:**

**NUMBER OF SAMPLING SITES:** 27

#### **COMMENT:**

#### **NUMBER OF PARAMETERS:**

**COMMENT:** No response given.

***US Fish and Wildlife Service (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** No   **NUTRIENTS:** No  
**PHYSICAL:** No   **BIOLOGICAL:** No   **LOCATIONAL:** No   **OTHER DATA ELEMENT:** Yes  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

Other data elements: dissolved metals. Regarding metadata: samples are sent to FWS laboratory (Patuxent Analytical Control Facility) they maintain protocols.

**DATA SET BEGIN:** 1996                      **DATA SET END:** 1996                      **TO PRESENT:** No  
**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              **ELECTRONIC/DIGITAL:** Yes              **HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Report due in 1999. This is an on-going research study.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Quattro Pro, Excel, or Access.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              **ANNUAL:** No              **BIANNUALLY:** No              **SEASONAL:** No

**MONTHLY:** No   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** No   **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

1 time sample only. Entry is variable depending on PACE.

**AVAILABILITY OF DATA:**              **PUBLIC:** No   **NOT PUBLIC:** No   **CONDITIONAL:** Yes

**HOW TO GET DATA,**   Data will be available when report is published.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   04/14/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Forest Service*

### ***CONTACT INFORMATION***

**DATA SET:** IRI Common Water Layer

**CONTACT:** Jim Maxwell

**TITLE:**

**ORGANIZATION:** USDA/FS/Rocky Mountain Regional Office

**PROGRAM:**

**PHYSICAL ADDRESS:** 740 Simms Street,  
Golden, CO 80401

**MAILING ADDRESS**  
(if different): P.O. Box 25127,  
Lakewood, CO 80225

**PHONE:** (303) 275-5096      **EXT:**      **FAX:** (303) 275-5122

**EMAIL:** jmaxwell/r2@fs.fed.us

### ***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

All National Forests and Grasslands in Colorado.

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No      **POLICY MAKING:** Yes      **PLANNING:** Yes      **REGULATION:** No  
**REMEDATION:** Yes      **MONITORING:** No      **PUBLIC INFORMATION:** Yes      **OTHER:** No

**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** National Forest Management Act, to develop a Forest Resource Management Plan. Also, National Environmental Protection Act.

***MEDIA TYPES:***      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

***DATA SOURCE:***      **SAMPLING:** Yes      **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Colorado Water Quality Control Division 305b and 303d reports.

**# SAMPLING EVENTS:**

**COMMENT:** Generally one sampling event per site from aerial photo interpretation. In some cases, the photo interpretation will be field checked, in which case there will be 2 sampling events for that site.

**NUMBER OF SAMPLING SITES:**

**COMMENT:** Unknown.

**NUMBER OF PARAMETERS:**

**COMMENT:** Estimates 12.

***US Forest Service (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1906                      DATA SET END:                      TO PRESENT: Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: Yes              HARDCOPY: No

**HARDCOPY FORMAT:**

FILES: No   REPORTS: No   MAPS: No   MICROFICHE: No   OTHER: No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Hardware differs for each data center (Unix, IBM, HP, Aplex, Data General). ARCInfo software.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: No   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: Yes              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

As needed and as new data is acquired.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA,**    Make request to Jim Maxwell. Cost is minimal.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    06/13/1997

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Forest Service*

### ***CONTACT INFORMATION***

**DATA SET:** U.S. Forest Service Project Specific Data

**CONTACT:**

**TITLE:** Hydrologist at Supervisor's Office, Specific National Forest or Grassland

**ORGANIZATION:** USDA/FS/Supervisor's Office/Specific National Forest or Grassland

**PROGRAM:**

**PHYSICAL ADDRESS:** Address for specific National Forest or Grassland Supervisor's Office.

**MAILING ADDRESS**  
(if different):

**PHONE:** **EXT:** **FAX:**

**EMAIL:**

### ***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

All National Forests and Grasslands in Colorado.

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No    **POLICY MAKING:** Yes    **PLANNING:** Yes    **REGULATION:** No  
**REMEDATION:** Yes    **MONITORING:** Yes    **PUBLIC INFORMATION:** Yes    **OTHER:** Yes

**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Organic Administration Act of 1897, establishes purposes of national forest to maintain stream flow and sediment transport. Data is used to quantify in-stream flows for channel maintenance purposes. Also, National Environmental Protection Act, National Forest Management Act, Clean Water Act, and Endangered Species Act.

***MEDIA TYPES:***            **SURFACE WATER:** Yes            **GROUND WATER:** Yes

***DATA SOURCE:***            **SAMPLING:** Yes            **SECONDARY SOURCE:** Yes

**SECONDARY SOURCE(S):** Includes map and aerial photo interpretation of morphometry of streams and watershed, and assessments of watershed, vegetation, roads, etc. Also, other field surveys, e.g., pebble counts.

**# SAMPLING EVENTS:**

**COMMENT:** Unknown, 1,000s. Episodic sampling occurs from every few months to 5 years apart.

**NUMBER OF SAMPLING SITES:**

**COMMENT:** USFS maintains few baseline stations.

**NUMBER OF PARAMETERS:**

**COMMENT:**



***US Forest Service (continued)***

**DATA TYPES:**

**MAJOR IONS:** Yes   **INORGANICS:** Yes   **ORGANICS:** No   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** Yes  
**METADATA:** No

**COMMENT ON DATA TYPES:**

Other data elements are physical data including morphologic, substrate, and bank stability.

**DATA SET BEGIN:** 1970

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** No

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** Yes   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** Yes

**COMMENT:** Other hardcopy formats are Tables.

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:** All data will be digitized and entered into CSDMS within 3 to 5 years.

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** Yes

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA, CONDITIONS, COST:** Contact local forest hydrologist. Generally no cost is charged except for large amounts of reproductions.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 06/13/1997

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Geological Survey*

### ***CONTACT INFORMATION***

**DATA SET:** QWDATA  
**CONTACT:** George Ritz  
**TITLE:** Water Quality Specialist  
**ORGANIZATION:** USDOI/GS/Water Resources Division/Colorado District Office  
**PROGRAM:**  
**PHYSICAL ADDRESS:** Denver Federal Center, Building 53, Room H2106  
Lakewood, CO 80225  
**MAILING ADDRESS**  
(if different): USGS P.O. Box 25046, Denver Federal Center, MS415  
Lakewood, CO 80225  
**PHONE:** (303) 236-4882 **EXT:** 290 **FAX:** (303) 236-4912  
**EMAIL:** gfritz@usgs.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes **POLICY MAKING:** No **PLANNING:** No **REGULATION:** No  
**REMEDATION:** No **MONITORING:** Yes **PUBLIC INFORMATION:** Yes **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

USGS is an information agency. They do not regulate. Other agencies use USGS data for regulatory purposes.

**LEGAL BASIS:** Organic Act of Congress.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** Yes

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Unknown. 1,000s.

#### **NUMBER OF SAMPLING SITES:**

**COMMENT:** Varies from year to year.

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Unknown. 100s.

<b>MAJOR IONS:</b> Yes	<b>INORGANICS:</b> Yes	<b>ORGANICS:</b> Yes	<b>NUTRIENTS:</b> Yes
<b>PHYSICAL:</b> Yes	<b>BIOLOGICAL:</b> Yes	<b>LOCATIONAL:</b> Yes	<b>OTHER DATA ELEMENT:</b> No
<b>METADATA:</b> Yes			

**TIME COVERAGE COMMENT:**

***DATA STORAGE FORMAT:*** ELECTRONIC/DIGITAL: Yes      HARDCOPY: No

**FILES:** No      **REPORTS:** No      **MAPS:** No      **MICROFICHE:** No      **OTHER:** No  
**COMMENT:**

#### DIGITAL HARDWARE AND SOFTWARE USED:

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**      ANNUAL: No      BIANNUALLY: No      SEASONAL: No

**MONTHLY:** No **>1X/MONTHLY:** No **CONTINUOUS:** No **VARIABLE:** Yes **1 TIME:** No

### TIME FROM SAMPLING TO DATA ACCESSIBILITY:

**AVAILABILITY OF DATA:** PUBLIC: Yes NOT PUBLIC: No CONDITIONAL: No

**HOW TO GET DATA, CONDITIONS, COST:** USGS subjects data to a quality assurance process before making it available to the public. Data is given a preliminary provisional status first. At the end of each year the USGS conducts a quality assurance review, then publishes the data which is no longer designated as provisional. Contact Kathy Wilke and USGS will provide the data free of charge if it is not extensive. USGS will charge for time and expenses for large requests on a case by case basis.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

DATE OF SURVEY 02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US Geological Survey*

### ***CONTACT INFORMATION***

**DATA SET:** ADAPS (Automated Data Processing System)

**CONTACT:** George Ritz

**TITLE:** Water Quality Specialist

**ORGANIZATION:** USDOI/GS/Water Resources Division, Colorado District Office

**PROGRAM:**

**PHYSICAL ADDRESS:** Denver Federal Center, Building 53, Room H2106  
Lakewood, CO 80225

**MAILING ADDRESS (if different):** PO Box 25046, Denver Federal Center, Mail Stop 415  
Lakewood, CO 80225

**PHONE:** (303) 236-4882      **EXT:** 290      **FAX:** (303) 236-4912

**EMAIL:** gfritz@usgs.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Statewide

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** No      **REGULATION:** No  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** No      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

USGS is an information agency. They do not regulate. Other agencies use USGS data for this purpose.

**LEGAL BASIS:** Organic Act of Congress

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** Yes

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Continuous. Better defined by number of monitoring sites.

**NUMBER OF SAMPLING SITES:** 50

**COMMENT:** 50 operating currently. More if consider historical record.

#### **NUMBER OF PARAMETERS:**

**COMMENT:** Not determined. Four or less water quality parameters

***US Geological Survey (continued)***

**DATA TYPES:**

MAJOR IONS: No INORGANICS: No ORGANICS: No NUTRIENTS: No  
PHYSICAL: Yes BIOLOGICAL: No LOCATIONAL: No OTHER DATA ELEMENT: Yes  
METADATA: No

**COMMENT ON DATA TYPES:**

Other data element: dissolved oxygen, site characteristics.

**DATA SET BEGIN:** 1980

**DATA SET END:**

**TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** No

**HARDCOPY FORMAT:**

**FILES:** No **REPORTS:** No **MAPS:** No **MICROFICHE:** No **OTHER:** No

**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

USGS software on PRIME computer

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** No

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** Yes

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Weekly to monthly. For real time data stations, every 4 hours.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,  
CONDITIONS, COST:**

Real time, i.e., current condition data is provided on Internet in provisional state at <http://webserver.cr.usgs.gov>. No historical data provided at website. Published data beginning with water year 1995 (i.e., beginning October 1994) is put on the web.

**WORLD WIDE WEB MONITORING DATA ADDRESS:** <http://webserver.cr.usgs.gov>

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 02/09/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

***US Geological Survey/US National Park Service***

***CONTACT INFORMATION***

**DATA SET:** Medano Creek, Upper Rio Grande NAWQA  
**CONTACT:** Fred Bunch  
**TITLE:** Hydrologist  
**ORGANIZATION:** USDOI/GS for USDOI/NPS/Great Sand Dunes Unit  
**PROGRAM:** Upper Rio Grande NAWQA  
**PHYSICAL ADDRESS:** 11500 Highway 150,  
Mosca, CO 81146  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (719) 378-2312 **EXT:** 202 **FAX:** (719) 378-2594  
**EMAIL:** fred-bunch@nps.gov

***DATABASE DESCRIPTION***

***GEOGRAPHIC COVERAGE:***

Medano Creek near Great Sand Dunes National Park and USFS boundary

***ACTIVITIES SUPPORTED:***

**RESEARCH:** No **POLICY MAKING:** No **PLANNING:** No **REGULATION:** No  
**REMEDATION:** No **MONITORING:** Yes **PUBLIC INFORMATION:** No **OTHER:** No

**COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** The USGS NAWQA program is intended to establish baseline water quality data on a basin wide level. This project was part of the Upper Rio Grande study.

**MEDIA TYPES:** **SURFACE WATER:** Yes **GROUND WATER:** No

**DATA SOURCE:** **SAMPLING:** Yes **SECONDARY SOURCE:** No

**SECONDARY SOURCE(S):**

**# SAMPLING EVENTS:**

**COMMENT:** 38 collected monthly

**NUMBER OF SAMPLING SITES:** 1

**COMMENT:**

**NUMBER OF PARAMETERS:** 56

**COMMENT:**

***US Geological Survey/US National Park Service (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: Yes   NUTRIENTS: Yes  
PHYSICAL: Yes   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: Yes

**COMMENT ON DATA TYPES:**

USGS maintains metadata.

**DATA SET BEGIN:** 1992

**DATA SET END:** 1996

**TO PRESENT:** No

**TIME COVERAGE COMMENT:**

**DATA STORAGE FORMAT:**

**ELECTRONIC/DIGITAL:** Yes

**HARDCOPY:** Yes

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** Yes   **MAPS:** Yes   **MICROFICHE:** No   **OTHER:** No

**COMMENT:** Obtain NAWQA report from USGS

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

See USGS national databases.

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**

**ANNUAL:** No

**BIANNUALLY:** No

**SEASONAL:** Yes

**MONTHLY:** No

**>1X/MONTHLY:** No

**CONTINUOUS:** No

**VARIABLE:** No

**1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Sampling has been completed and all data should be accessible.

**AVAILABILITY OF DATA:**

**PUBLIC:** Yes

**NOT PUBLIC:** No

**CONDITIONAL:** No

**HOW TO GET DATA,**   Contact USGS. See USGS national database listings.

**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**   06/10/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *US National Park Service*

### ***CONTACT INFORMATION***

**DATA SET:** CURE Water Quality  
**CONTACT:** Matt Malick  
**TITLE:** Biologist  
**ORGANIZATION:** USDOJ/NPS/Curecanti-Black Canyon Natural Resource Area  
**PROGRAM:** Resource Stewardship and Science Program  
**PHYSICAL ADDRESS:** 102 Elk Creek,  
Gunnison, CO 81236  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (970) 641-2337 **EXT:** 248 **FAX:** (970) 641-3127  
**EMAIL:** matt-malick@nps.gov

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Aspinall Unit and most major tributaries of Curecanti NRA and Black Canyon

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes    **POLICY MAKING:** No    **PLANNING:** No    **REGULATION:** No  
**REMEDATION:** No    **MONITORING:** Yes    **PUBLIC INFORMATION:** No    **OTHER:** No

#### ***COMMENT ON ACTIVITIES:***

**LEGAL BASIS:** Research: Data is shared with cooperating state and federal agencies and research institutions to promote research of water resources in the Gunnison Valley. Monitoring: Water resources are monitored every 3 weeks to assess the overall health of the aquatic ecosystem of the Park. Explosive development of the Gunnison Valley has prompted this monitoring effort.

**MEDIA TYPES:**    **SURFACE WATER:** Yes    **GROUND WATER:** No

**DATA SOURCE:**    **SAMPLING:** Yes    **SECONDARY SOURCE:** No

#### ***SECONDARY SOURCE(S):***

**# SAMPLING EVENTS:** 1,238

**COMMENT:** Current at time of survey.

**NUMBER OF SAMPLING SITES:** 33

**COMMENT:**

**NUMBER OF PARAMETERS:** 26

**COMMENT:**



***US National Park Service (continued)***

**DATA TYPES:**

**MAJOR IONS:** No   **INORGANICS:** No   **ORGANICS:** No   **NUTRIENTS:** Yes  
**PHYSICAL:** Yes   **BIOLOGICAL:** Yes   **LOCATIONAL:** Yes   **OTHER DATA ELEMENT:** No  
**METADATA:** Yes

**COMMENT ON DATA TYPES:**

**DATA SET BEGIN:** 1987                                      **DATA SET END:**                                      **TO PRESENT:** Yes

**TIME COVERAGE COMMENT:**

We do have data prior to 1987 for several sites, however, it has not been appended to the current database.

**DATA STORAGE FORMAT:**                      **ELECTRONIC/DIGITAL:** Yes                      **HARDCOPY:** No

**HARDCOPY FORMAT:**

**FILES:** No   **REPORTS:** No   **MAPS:** No   **MICROFICHE:** No   **OTHER:** No  
**COMMENT:**

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

Microsoft Access Database.

**COMMENT ON DIGITAL:** This database also houses data on aquatic invertebrates, periphyton, and reservoir elevations for the Aspinall Unit for the last 30 years.

**SAMPLING FREQUENCY:**                      **ANNUAL:** Yes                      **BIANNUALLY:** No                      **SEASONAL:** No

**MONTHLY:** Yes   **>1X/MONTHLY:** No   **CONTINUOUS:** No   **VARIABLE:** No   **1 TIME:** No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Not more than 1-2 weeks. General water quality parameters are sampled monthly during a 4-5 month summer season. Tributaries are sampled monthly, all year. Aquatic insects and periphyton are sampled annually.

**AVAILABILITY OF DATA:**                      **PUBLIC:** No   **NOT PUBLIC:** No   **CONDITIONAL:** Yes

**HOW TO GET DATA, CONDITIONS, COST:** A written request with the purpose of the use of the data. No costs. Requests are granted on the end-use of the data.

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY** 04/08/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## *Ute Water Conservancy District*

### ***CONTACT INFORMATION***

**DATA SET:** Ute Water Conservancy District Raw Water

**CONTACT:** Pat Kiernan

**TITLE:** Laboratory Manager

**ORGANIZATION:** Ute Water Conservancy District/Water Treatment Plant

**PROGRAM:**

**PHYSICAL ADDRESS:** 4 1/2 miles east of Palisade on Rapid Creek Road,  
CO

**MAILING ADDRESS (if different):** PO Box 460,  
Grand Junction, CO 81502

**PHONE:** (970) 464-5563      **EXT:**      **FAX:** (970) 464-5443

**EMAIL:**

### ***DATABASE DESCRIPTION***

#### ***GEOGRAPHIC COVERAGE:***

Plateau Creek Drainage Basin

#### ***ACTIVITIES SUPPORTED:***

**RESEARCH:** Yes      **POLICY MAKING:** No      **PLANNING:** Yes      **REGULATION:** Yes  
**REMEDATION:** No      **MONITORING:** Yes      **PUBLIC INFORMATION:** Yes      **OTHER:** No

#### **COMMENT ON ACTIVITIES:**

**LEGAL BASIS:** Research: monitor health and document biology of reservoirs under District control. Includes changes occurring in reservoirs. Recently studied reservoir bottoms to assess capacity losses. Planning: use research data to plan for future water needs. Regulation: use data to support water quality impacts of opening reservoirs to recreation. Monitoring: to detect changes in water quality and determine sources of those impacts. Public information: data available to anyone.

**MEDIA TYPES:**      **SURFACE WATER:** Yes      **GROUND WATER:** No

**DATA SOURCE:**      **SAMPLING:** Yes      **SECONDARY SOURCE:** No

#### **SECONDARY SOURCE(S):**

#### **# SAMPLING EVENTS:**

**COMMENT:** Approximately 14,400. 8 sources, 10 data points, for each day sampled (12 days/year) since 1983.

**NUMBER OF SAMPLING SITES:** 8

#### **COMMENT:**

**NUMBER OF PARAMETERS:** 12

#### **COMMENT:**

***Ute Water Conservancy District (continued)***

**DATA TYPES:**

MAJOR IONS: Yes   INORGANICS: Yes   ORGANICS: No   NUTRIENTS: No  
PHYSICAL: No   BIOLOGICAL: Yes   LOCATIONAL: Yes   OTHER DATA ELEMENT: No  
METADATA: No

**COMMENT ON DATA TYPES:**

DATA SET BEGIN: 1983                      DATA SET END:                      TO PRESENT: Yes  
TIME COVERAGE COMMENT:  
Grab samples taken monthly.

**DATA STORAGE FORMAT:**              ELECTRONIC/DIGITAL: No              HARDCOPY: Yes

**HARDCOPY FORMAT:**

FILES: No   REPORTS: Yes   MAPS: No   MICROFICHE: No   OTHER: No  
COMMENT:

**DIGITAL FORMAT:**

**DIGITAL HARDWARE AND SOFTWARE USED:**

**COMMENT ON DIGITAL:**

**SAMPLING FREQUENCY:**              ANNUAL: No              BIANNUALLY: No              SEASONAL: No

MONTHLY: Yes   >1X/MONTHLY: No              CONTINUOUS: No              VARIABLE: No              1 TIME: No

**TIME FROM SAMPLING TO DATA ACCESSIBILITY:**

Generally within one week.

**AVAILABILITY OF DATA:**              PUBLIC: Yes              NOT PUBLIC: No              CONDITIONAL: No

**HOW TO GET DATA,**              Contact District to obtain data. Cost is function of size of request and time to provide.  
**CONDITIONS, COST:**

**WORLD WIDE WEB MONITORING DATA ADDRESS:**

**WORLD WIDE WEB METADATA ADDRESS:**

**DATE OF SURVEY**    03/12/1998

**SURVEYED BY:** George Weber

**ADDITIONAL NOTES:**

## **SECTION III**

### **CONTACT INFORMATION ONLY**

## *Animas River Stakeholders Group*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Bill Simon

**TITLE:** Coordinator

**ORGANIZATION:** Animas River Stakeholders Group

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING  
ADDRESS**  
(if different):

**PHONE:** (970) 385-4138      **EXT:**      **FAX:** (970) 385-4138

**EMAIL:**

## *Animas-La Plata Water Conservation District*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Edward Searle

**TITLE:** Secretary

**ORGANIZATION:** Animas-La Plata Water Conservation District

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING  
ADDRESS**  
(if different): P.O. Box 475,  
Durango, CO 81301

**PHONE:** (970) 247-1302      **EXT:**      **FAX:**

**EMAIL:**

## *Cherokee Water and Sanitation District*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Art Sintas

**TITLE:** Superintendent

**ORGANIZATION:** Cherokee Water and Sanitation District

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Colorado Springs, CO

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (719) 597-5080

**EXT:**

**FAX:**

**EMAIL:**

## *City of Aspen, Colorado*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Mark O'Meara

**TITLE:** Assistant Director

**ORGANIZATION:** City of Aspen/Water Department

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 920-5112

**EXT:**

**FAX:** (970) 920-5112

**EMAIL:**

## *City of Aurora, Colorado*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Doug Kemper

**TITLE:** Division Manager

**ORGANIZATION:** City of Aurora/Water Resource Division

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 739-7886      **EXT:**      **FAX:** (303) 739-7804

**EMAIL:**

## *City of Fruita, Colorado*

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Jay Englehard

**TITLE:** Director

**ORGANIZATION:** City of Fruita/Public Works

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 858-3663      **EXT:**      **FAX:**

**EMAIL:**

## *Colorado Department of Agriculture*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Mitch Yergert

**TITLE:** Senior Agricultural Specialist

**ORGANIZATION:** CDAG/Division of Plant Industry

**PROGRAM:** Agriculture Chemicals and Groundwater

**PHYSICAL ADDRESS:** 700 Kipling Street, Suite 4000  
Lakewood, CO 80215-5894

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 239-4151      **EXT:**      **FAX:**

**EMAIL:**

## *Colorado Division of Minerals and Geology*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Harry Posey

**TITLE:**

**ORGANIZATION:** CDNR/DMG

**PROGRAM:**

**PHYSICAL ADDRESS:** 1313 Sherman,  
Denver, CO 80202

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 866-3567      **EXT:**      **FAX:**

**EMAIL:**



## *Colorado Division of Wildlife*

### ***CONTACT INFORMATION***

**DATA SET:** DOW Project Specific Data: Fort Collins Regional Office

**CONTACT:** Steve Putman

**TITLE:** Regional Senior Biologist

**ORGANIZATION:** CDNR/DOW/Fort Collins Regional Office

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 472-4321

**EXT:**

**FAX:**

**EMAIL:**

## *Colorado Division of Wildlife*

### ***CONTACT INFORMATION***

**DATA SET:** NDIS

**CONTACT:** Jim Sinley

**TITLE:** Supervisor

**ORGANIZATION:** CDNR/DOW/Habitat Section

**PROGRAM:** NDIS

**PHYSICAL**

**ADDRESS:**

6060 Broadway,  
Denver, CO 80126-

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 291-7460

**EXT:**

**FAX:**

**EMAIL:**

***Colorado River Water Conservation District***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Dave Merritt

**TITLE:**

**ORGANIZATION:** Colorado River Water Conservation District

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING**

**ADDRESS** P.O. Box 1120,  
(if different): Glenwood Springs, CO 81602

**PHONE:** (970) 945-8522 **EXT:** **FAX:** (303) 945-8799

**EMAIL:**

***Colorado Hazardous Materials and Waste Management  
Division***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Roger Dokes

**TITLE:**

**ORGANIZATION:** CDPHE/HMWMD/Solid Waste

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

Denver, CO

**MAILING  
ADDRESS**

(if different):

**PHONE:** (303) 692-3437 **EXT:** **FAX:**

**EMAIL:**

## *Frenchman Ground Water Management District*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Ben Saunders

**TITLE:** Manager

**ORGANIZATION:** Frenchman Ground Water Management District

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 854-3484

**EXT:**

**FAX:**

**EMAIL:**

## *Grand County, Colorado*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Lurline Lurran

**TITLE:** Director of Planning

**ORGANIZATION:** Grand County

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Courthouse,  
Hot Sulphur Springs, CO 80451-

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 725-3347

**EXT:**

**FAX:** (970) 725-3303

**EMAIL:**

## ***Jackson County Water Conservation District***

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Robert Burr

**TITLE:** Secretary-Treasurer

**ORGANIZATION:** Jackson County Water Conservation District

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING  
ADDRESS**

(if different): S.R. Box 160,  
Walden, CO 80480

**PHONE:** (970) 723-4202      **EXT:**      **FAX:**

**EMAIL:**

## ***Leroux Creek Water Users Association***

### **CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Thomas Alvey

**TITLE:** Secretary

**ORGANIZATION:** Leroux Creek Water Users Association

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING  
ADDRESS**

(if different): P.O. Box 130,  
Hotchkiss, CO 81419

**PHONE:** (970) 872-3911      **EXT:**      **FAX:** (970) 872-3176

**EMAIL:**

***Lower Fountain Water Users Association***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** F. Stuart Loosely

**TITLE:** President

**ORGANIZATION:** Lower Fountain Water Users Association

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Colorado Springs, CO

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (719) 597-5080

**EXT:**

**FAX:**

**EMAIL:**

***Northern Colorado Water Conservancy District***

**CONTACT INFORMATION**

**DATA SET:** 3 different sets, CBT, Windy Gap, Distribution System

**CONTACT:** Gene Schleger

**TITLE:**

**ORGANIZATION:** Northern Colorado Water Conservancy District

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 667-2437

**EXT:**

**FAX:** (970) 663-6907

**EMAIL:**

## *Southeast Colorado Water Conservancy District*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Steve Arveschoug

**TITLE:** General Manager

**ORGANIZATION:** Southeast Colorado Water Conservancy District

**PROGRAM:**

**PHYSICAL ADDRESS:** P. O. Box 440,

**MAILING ADDRESS**  
(if different): 905 Highway 50 West,  
Pueblo, CO 81002

**PHONE:** (719) 544-2040      **EXT:**      **FAX:**

**EMAIL:**

## *Southwestern Water Conservation District*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Becca Conrad

**TITLE:**

**ORGANIZATION:** Southwestern Water Conservation District

**PROGRAM:**

**PHYSICAL ADDRESS:** 841 Second Avenue,  
Durango, CO 81302

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 247-1302      **EXT:**      **FAX:**

**EMAIL:**

## *Steamboat Springs Water Department*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Jeff Peterson

**TITLE:** Plant Operator

**ORGANIZATION:** Steamboat Springs Water Department

**PROGRAM:**

**PHYSICAL  
ADDRESS:**

**MAILING  
ADDRESS**  
(if different):

**PHONE:** (970) 879-2424      **EXT:**      **FAX:**

**EMAIL:**

## *Trinchera Irrigation District*

### ***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Deva Dean

**TITLE:** Secretary

**ORGANIZATION:** Trinchera Irrigation District

**PROGRAM:**

**PHYSICAL  
ADDRESS:** Blanca, CO 81123

**MAILING  
ADDRESS**  
(if different):

**PHONE:** (719) 379-3467      **EXT:**      **FAX:**

**EMAIL:**

***US Bureau of Reclamation***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Jeff Lucero

**TITLE:**

**ORGANIZATION:** USDOJ/BOR/Great Plains Region

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Billings, MT

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (406) 247-7751 **EXT:** **FAX:** (406) 247-7898

**EMAIL:**

***US Bureau of Reclamation***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Jerry Miller

**TITLE:**

**ORGANIZATION:** USDOJ/BOR/Upper Colorado Region

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Salt Lake City, UT

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (801) 524-3753 **EXT:** **FAX:** (801) 524-5499

**EMAIL:**



***US Environmental Protection Agency***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Karen Hamilton

**TITLE:**

**ORGANIZATION:** USEPA/Region VIII

**PROGRAM:**

**PHYSICAL ADDRESS:** 999 18th Street, Suite 500  
Denver, CO 80303

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 312-6236      **EXT:**      **FAX:** (303) 312-6071

**EMAIL:**

***US Environmental Protection Agency***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Carl Herman

**TITLE:**

**ORGANIZATION:** USEPA/Region VIII

**PROGRAM:**

**PHYSICAL ADDRESS:** 999 18th Street, Suite 500  
Denver, CO 80202

**MAILING ADDRESS**  
(if different):

**PHONE:** (303) 312-6628      **EXT:**      **FAX:**

**EMAIL:**

***US Environmental Protection Agency***

***CONTACT INFORMATION***

**DATA SET:** NPS Projects

**CONTACT:** Marie Lee

**TITLE:**

**ORGANIZATION:** USEPA/Region VIII

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 312-6176

**EXT:**

**FAX:** (303) 312-6065

**EMAIL:**

***US Environmental Protection Agency***

***CONTACT INFORMATION***

**DATA SET:** LIMS (Laboratory Information Management System)

**CONTACT:** Tom Willingham

**TITLE:**

**ORGANIZATION:** USEPA/Region VIII/

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 312-7756

**EXT:**

**FAX:** (303) 312-7802

**EMAIL:**

***US Fish and Wildlife Service***

***CONTACT INFORMATION***

**DATA SET:** Upper Arkansas Bibliography  
**CONTACT:** Andrew Archuleta  
**TITLE:** Environmental Contaminants Specialist  
**ORGANIZATION:** USDOJ/FWS/Colorado Field Office  
**PROGRAM:**  
**PHYSICAL ADDRESS:** P.O. Box 25486 - Denver Federal Center,  
Lakewood, CO 80225-0207  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 275-2353 **EXT:** **FAX:** (303) 275-2371  
**EMAIL:**

***US Fish and Wildlife Service***

***CONTACT INFORMATION***

**DATA SET:**  
**CONTACT:** Laura Higgins  
**TITLE:**  
**ORGANIZATION:** USDOJ/FWS  
**PROGRAM:**  
**PHYSICAL ADDRESS:**  
**MAILING ADDRESS**  
(if different):  
**PHONE:** (303) 275-2354 **EXT:** **FAX:**  
**EMAIL:**

***US Forest Service***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** John Almy

**TITLE:**

**ORGANIZATION:** USDA/FS/Grand Mesa-Uncompahgre-Gunnison

**PROGRAM:**

**PHYSICAL ADDRESS:** 2250 Highway 50,  
Delta, CO 81416

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 874-6656      **EXT:**      **FAX:** (970) 874-6698

**EMAIL:**

***US Forest Service***

***CONTACT INFORMATION***

**DATA SET:**

**CONTACT:** Carl Chambers

**TITLE:**

**ORGANIZATION:** USDA/FS/Arapaho-Roosevelt

**PROGRAM:**

**PHYSICAL ADDRESS:** 240 West Prospect Road,  
Fort Collins, CO 805262098

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 498-1093      **EXT:**      **FAX:** (970) 498-1010

**EMAIL:**

***US Forest Service***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Kathy Foster

**TITLE:**

**ORGANIZATION:** USDA/FS/San Juan

**PROGRAM:**

**PHYSICAL ADDRESS:** 701 Camino del Rio, Room 200  
Durango, CO 81301

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 385-1202      **EXT:**      **FAX:** (970) 385-1243

**EMAIL:**

***US Forest Service***

**CONTACT INFORMATION**

**DATA SET:** White River National Forest Project Specific Data

**CONTACT:** Greg Kuymjian

**TITLE:** Forest Hydrologist

**ORGANIZATION:** USDA/FS/White River National Forest

**PROGRAM:**

**PHYSICAL ADDRESS:**

**MAILING ADDRESS**  
(if different):

**PHONE:** (970) 945-3242      **EXT:**      **FAX:** (970) 945-3266

**EMAIL:**

***US Forest Service***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Mari Nakada

**TITLE:**

**ORGANIZATION:** USDA/FS/Pike-San Isabel National Forest

**PROGRAM:**

**PHYSICAL**

**ADDRESS:** Colorado Springs, CO

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (719) 477-4210 **EXT:** **FAX:** (719) 477-4233

**EMAIL:**

***US Geological Survey***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Linda Britton

**TITLE:**

**ORGANIZATION:** USDOI/GS/Colorado District Office/Library

**PROGRAM:** Special Studies

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (303) 236-4882 **EXT:** 264 **FAX:** (303) 236-4912

**EMAIL:**

***US National Park Service***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Patrick Perrotti

**TITLE:** Resource Management Specialist

**ORGANIZATION:** USDOJ/NPS/Colorado National Monument

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different):

**PHONE:** (970) 858-3617 **EXT:** 313 **FAX:**

**EMAIL:**

***US National Park Service***

**CONTACT INFORMATION**

**DATA SET:**

**CONTACT:** Tom Ulrich

**TITLE:** Acting Chief Ranger and Resource Management Specialist

**ORGANIZATION:** USDOJ/NPS/Florissant Unit

**PROGRAM:**

**PHYSICAL**

**ADDRESS:**

**MAILING**

**ADDRESS**

(if different): P.O. Box 185,  
Florissant, CO 80816

**PHONE:** (719) 748-3253 **EXT:** **FAX:** (719) 748-3164

**EMAIL:**

## **SECTION IV**

## **APPENDIX**



## Questionnaire

1. What is the name of your data set?

\_\_\_\_\_

2. What is the name of the contact person?

\_\_\_\_\_

3. What is the contact person's title?

\_\_\_\_\_

4. What is the full organizational name where the database is located (e.g., department, division, program)?

Organization \_\_\_\_\_ \ \_\_\_\_\_ \ \_\_\_\_\_ Program \_\_\_\_\_

5. What is your physical address? Street/POB #

\_\_\_\_\_

Suite/Mail Stop # \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

6. What is your mailing address, if different? Street/POB #

\_\_\_\_\_

Suite/Mail Stop # \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

7. What is your Telephone # \_\_\_\_/ \_\_\_\_ -- \_\_\_\_\_ Extension \_\_\_\_\_

8. What is your Fax # \_\_\_\_/ \_\_\_\_ --- \_\_\_\_\_

9. What is your E-mail address? \_\_\_\_\_

10. What is the geographic coverage of the data set?

\_\_\_\_\_

11. What type of activity(ies) do you use the data set to support?

a) Research ☐ Policy making ☐ Planning ☐ Regulation ☐ Remediation ☐  
Monitoring ☐ Public Information ☐ Other ☐

b) If other, what are they?

c) For each activity you mentioned, what is the specific purpose or function and legal basis for the activity?

**Directory of Colorado Water Quality Data, Colorado Geological Survey**

12. Does the data set contain data for: Surface water [ ] Ground water [ ]
13. Do you obtain this data directly from: sampling [ ] other secondary sources: [ ]
14. If from other secondary sources, what is each and who is the contact?  
Source Contact
15. How many sampling events does the data set contain?  
\_\_\_\_\_
16. How many sampling sites does the data set contain?  
\_\_\_\_\_
17. How many parameters does the data set contain (i.e., number of fields per sampling event, including e.g., locational attributes, sampling protocol, etc.)?  
\_\_\_\_\_
18. What type of data elements are contained in the data set?  
a) major ions [ ] inorganics (incl. metals) [ ] organics [ ] nutrients [ ] physical [ ] biological [ ]  
    locational [ ] other [ ]  
b) If other, what are they?
19. Do you maintain metadata, i.e., data about sampling and analyses protocols?
20. What is the historical time period covered by the data set? From: \_\_\_\_\_ To: \_\_\_\_\_  
    To: Present \_\_\_\_\_  
a) Time coverage comment:

**Directory of Colorado Water Quality Data, Colorado Geological Survey**

21. How is the data set stored? Hard copy ☐ Electronic ☐

a) If hardcopy, in what format are the data? Files ☐ Reports ☐ Maps ☐ Microfiche ☐ other ☐

b) If other, what are they?

c) If digital/electronic, what software and hardware do you use?

d) Electronic/digital comments:

22. What is the frequency of sample events?

a) Annually ☐ Seasonally ☐ Monthly ☐ >1X/month ☐ Continuous: ☐ Variable ☐

b) Frequency of sampling events comments:

23. Generally, how much time passes between sampling and when the data can be accessed? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

24. Is the data available to the public? a) Yes ☐ No ☐ Conditional ☐

b) What does someone need to do to obtain the data?

c) What costs will someone incur to obtain the data? How much are they?

d) If the data is available conditionally, what are the conditions?

**Directory of Colorado Water Quality Data, Colorado Geological Survey**

25. Is metadata or the monitoring data itself available on the Internet?

\_\_\_\_\_

a) If 'yes', metadata address: \_\_\_\_\_

b) If 'yes', monitoring data address: \_\_\_\_\_

THAT CONCLUDES THE SURVEY. DO YOU HAVE ANYTHING YOU WANT TO ADD? OR ANY QUESTIONS? (Note response below.)

26. Date interview conducted/data obtained: \_\_\_\_\_

27. Interview conducted by: \_\_\_\_\_ or

28. Information provided by (i.e., if respondent fills out survey) :

\_\_\_\_\_

# Index

## A

Animas River Stakeholders Group..... 127  
Animas-La Plata Water Conservation District 127

## B

Boulder County Health Department ..... 6, 7  
Breckenridge Sanitation District ..... 8, 9

## C

Cherokee Water and Sanitation District..... 128  
City of Arvada, Colorado ..... 10, 11  
City of Aspen, Colorado ..... 128  
City of Aurora, Colorado ..... 129  
City of Fruita, Colorado ..... 129  
City of Longmont, Colorado ..... 12, 13  
Clear Creek Watershed Advisory Group .... 14, 15  
Colorado Department of Agriculture ..... 130  
Colorado Division of Minerals and Geology. 16, 17  
18, 19, 20, 21, 22, 23, 24, 25, 130  
Colorado Division of Wildlife..... 26, 27, 131  
Colorado Geological Survey ..... 28, 29, 30, 31  
Colorado Oil and Gas Control Commission. 32, 33  
Colorado River Water Conservation District... 132  
Colorado Soil Conservation Board..... 34, 35  
Colorado State University ..... 36, 37  
Colorado Water Quality Control Division.... 38, 39  
40, 41, 42, 43, 44, 45, 112  
Custer County, Colorado ..... 46, 47

## D

Denver Regional Council of Governments.... 48, 49  
Denver Water ..... 50, 51

## E

Evergreen Metropolitan District/Water Plant .. 52,  
53

## F

Frenchman Ground Water Management District  
..... 133

## G

Grand County, Colorado..... 133

## H

HRS Water Consultants ..... 54, 55

## L

Leroux Creek Water Users Association ..... 134  
Lower Fountain Water Users Association ..... 135  
Lower South Platte Water Conservancy District  
..... 56, 57, 58, 59

## M

Metropolitan Wastewater Reclamation District  
60, 61

## N

National Resource Conservation Service ..... 62, 63  
North Front Range Water Quality Planning  
Association ..... 64, 65  
Northern Colorado Water Conservancy District  
..... 135

## P

Pikes Peak Area Council of Governments .... 66, 67  
Pine Brook Water District..... 68, 69

## S

Saint Charles Mesa Water District..... 70, 71  
Southwestern Water Conservation District ..... 136  
Steamboat Springs Water Department ..... 137

## T

Trinchera Irrigation District..... 137

## U

Upper Gunnison River Water Conservation  
District..... 72, 73  
URS Operating Services, Inc. .... 74, 75  
US Bureau Of Land Management ..... 76, 77, 78, 79  
US Bureau of Reclamation .... 86, 87, 88, 89, 90, 91,  
92, 93, 94, 95, 96, 97, 98, 99, 138  
US Department of Defense ..... 100, 101  
US Environmental Protection Agency ..... 102, 103  
139, 140  
US Fish and Wildlife Service..... 104, 105, 106, 107,  
108, 109, 110, 111, 141  
US Forest Service .112, 113, 114, 115, 142, 143, 144  
US Geological Survey..116, 117, 118, 119, 120, 121,  
144  
US Geological Survey/US National Park Service  
..... 120, 121  
US National Park Service ..... 122, 123, 145  
Ute Water Conservancy District..... 124, 125