1041 2008-002





January 29, 2018

Michael J. Ryan Regional Director Great Plains Regional Office Bureau of Reclamation P.O. Box 36900 Billings, MT 59107-6900

Subject: Southern Delivery System Permit Compliance Annual Report (Calendar Year 2017)

Mr. Ryan:

Colorado Springs Utilities, the Southern Delivery System (SDS) Project Manager, hereby submits the attached Permit Compliance Annual Report (PCAR) for Calendar Year 2017. This report demonstrates the SDS Project's progress in successfully implementing the commitments prescribed in the SDS Record of Decision (ROD), Reference No.: GP-2009-01, as well as meeting the annual reporting requirements for other programmatic permits and approvals.

Due to SDS becoming operational in April 2016, this report addresses compliance for both construction and operational activities associated with the project. Applicable compliance activities associated with Phase II planning and design will be incorporated into future PCARs; however, until Phase II enters the construction phase, all future reports will focus on operational compliance.

I certify that, to the best of my knowledge, the content of this report is true and accurate. As noted herein, SDS has complied with all applicable permit requirements.

Please contact me at 719-668-8679, with any questions regarding the attached report.

Sincerely,

David Padgett

Chief Environmental Officer

Enclosure

cc: City of Fountain, Curtis Mitchell, Director of Utilities

Colorado Department of Public Health and Environment, Steven Gunderson, Director,

Water Quality Control Division

Colorado Parks and Wildlife, Dan Prenzlow, Regional Manager, Southeast Region Fountain Creek Watershed Flood Control and Greenway District, Larry Small, Executive Director

Pueblo County Planning & Development, Joan Armstrong, Director Pueblo West Metropolitan District, Scott Eilert, Director of Utilities Security Water and Sanitation District, Roy Heald, District Manager U.S. Army Corps of Engineers, Antoinette Gant, Lieutenant Colonel, U.S. Army, District Commander

Bureau of Reclamation, Terry Stroh, Environmental Specialist

Southern Delivery System Permit Compliance Annual Report

Calendar Year 2017

Prepared for:

Bureau of Reclamation

Colorado Department of Public Health and Environment

Colorado Parks and Wildlife

El Paso County

Pueblo County

Fountain Creek Watershed, Flood Control, and Greenway District

Submitted by:

Colorado Springs Utilities, SDS Project Manager on behalf of the SDS Participants

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Acronyms and Abbreviations

1041 Permit Pueblo County 1041 Permit No. 2008-002

BMPs Best Management Practices

CPW Colorado Parks and Wildlife

CDPHE Colorado Department of Public Health and Environment

CWC Colorado Wildlife Commission

CWCB Colorado Water Conservation Board

EMS Environmental Management System

FEIS Final Environmental Impact Statement

FWMP Fish and Wildlife Mitigation Plan

mgd million gallons per day

NEPA National Environmental Policy Act

PCAR Permit Compliance Annual Report

PDC Pueblo Dam Connection

Reclamation Bureau of Reclamation

ROD Record of Decision

SDS Southern Delivery System Project

SDS City of Colorado Springs, City of Fountain, Security Water District,

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Participants and Pueblo West Metropolitan District

USACE United States Army Corps of Engineers

USGS United States Geological Survey

WTP water treatment plant

Executive Summary

The Southern Delivery System Project (SDS) is a regional water delivery system that serves the City of Colorado Springs (via Colorado Springs Utilities), City of Fountain, Security Water District, and Pueblo West Metropolitan District (collectively, the SDS Participants).

Purpose

The purpose of the SDS Permit Compliance Annual Report (PCAR), submitted by Colorado Springs Utilities, the SDS Project Manager, is to demonstrate progress in successfully implementing the commitments as prescribed in the Record of Decision (ROD) to the Bureau of Reclamation (Reclamation). Colorado Springs Utilities also reviewed the other seven programmatic permits/approvals that are in place to identify the annual reporting requirements of each. The following five permits/approvals have annual reporting requirements addressed in this report:

- El Paso County Location Approvals
 - Planning Commission Resolution U-09-002, March 2, 2010, Southern Delivery System Raw Water Pipelines, Amended by Resolution U-12-001, October 18, 2012
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines, Amended by Resolution U-12-003, October 18, 2012
 - o Planning Commission Resolution U-09-004, March 16, 2010, Southern Delivery System Bradley Pump Station
 - Planning Commission Resolution U-09-005, March 16, 2010, Southern Delivery System Upper Williams Creek Reservoir, Amended by Resolution U-12-002, October 18, 2012
 - O Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery System Exchange Flow System, Amended by Resolution U-12-004, October 18, 2012
- El Paso County 1041 Permits
 - O Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C, Administratively Approved January 2, 2014
 - O Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 3, Administratively Approved January 29, 2014
 - O Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC, Administratively Approved February 18, 2014
- Pueblo County Board of County Commissioners Resolution No. P&D 09-22 approving 1041 Permit No. 2008-02, April 21, 2009

- Fountain Creek Watershed, Flood Control, and Greenway District (District) Resolution 2010-01, February 26, 2010
- Colorado Department of Public Health and Environment (CDPHE) 401 Certification No. 4224, April 23, 2010, which includes the requirement to provide copies of all other annual reports

The following two programmatic permits/approvals do not specifically include annual reporting requirements:

- Memorandum of Agreement with the State of Colorado, Department of Natural Resources on behalf of the Colorado Division of Wildlife regarding the Fish and Wildlife Mitigation Plan, May 18, 2010
- United States Army Corps of Engineers (USACE) Clean Water Act Section 404
 Individual Permit No. SPA-2005-00131-SCO, April 26, 2010

Reporting Requirements

The ROD requires annual reporting to summarize the SDS's progress made in implementing the ROD commitments. Colorado Springs Utilities has elected to develop a single SDS PCAR that addresses the ROD commitments and the other annual or periodic reporting requirements included in the programmatic permits/approvals that are listed above. This 2017 report focuses on commitments associated with project operations and mitigation project progress.

Summary of SDS Activities During this Reporting Period

Vegetation restoration efforts continued on the pipeline work packages. In 2017, construction of wetland mitigation sites continued, and a drop/diversion structure was constructed within Fountain Creek.

Compliance with programmatic permit/approval commitments and construction permit requirements continued to be tracked in 2017.

Future SDS Activities

Compliance monitoring will continue for ongoing operational activities. Phase II activities include a minor modification of the NEPA and cultural resource boundaries related to utility relocates associated with reservoir construction. No material changes from the project as described in the 2009 EIS have been made to the Gary M. Bostrom Reservoir (formerly known as the Upper Williams Creek Reservoir).

1.0 Introduction

1.1 Purpose

The purpose of the SDS Permit Compliance Annual Report (PCAR), submitted by Colorado Springs Utilities as SDS Project Manager, is to demonstrate the progress in successfully implementing the commitments identified in the ROD (Reclamation 2009). This PCAR has been prepared to be consistent with the ROD and other permits issued by agencies having jurisdiction over SDS, specifically the following programmatic permits/approvals:

- Bureau of Reclamation Record of Decision for the Southern Delivery System Final Environmental Impact Statement, Record of Decision Reference No. GP-2009-01, March 20, 2009
- El Paso County Location Approvals
 - Planning Commission Resolution U-09-002, March 2, 2010, Southern Delivery
 System Raw Water Pipelines, Amended by Resolution U-12-001, October 18, 2012
 - Planning Commission Resolution U-09-003, March 2, 2010, Southern Delivery System Finished Water Pipelines, Amended by Resolution U-12-003, October 18, 2012
 - Planning Commission Resolution U-09-004, March 16, 2010, Southern Delivery System Bradley Pump Station
 - Planning Commission Resolution U-09-005, March 16, 2010, Southern Delivery System Upper Williams Creek Reservoir, Amended by Resolution U-12-002, October 18, 2012
 - Planning Commission Resolution U-09-007, March 16, 2010, Southern Delivery
 System Exchange Flow System, Amended by Resolution U-12-004, October 18, 2012
- El Paso County 1041 Permits
 - Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C, Administratively Approved January 2, 2014
 - O Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 3, Administratively Approved January 29, 2014
 - O Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC, Administratively Approved February 18, 2014
- Pueblo County Board of County Commissioners Resolution No. P&D 09-22 approving 1041 Permit No. 2008-02, April 21, 2009
- Fountain Creek Watershed, Flood Control, and Greenway District (District) Resolution 2010-01, February 26, 2010

 Colorado Department of Public Health and Environment (CDPHE) 401 Certification No. 4224, April 23, 2010, which includes the requirement to provide copies of all other annual reports

Colorado Springs Utilities reviewed all eight of the programmatic permits/approvals that are in place to identify annual reporting requirements of each. The following two programmatic permits/approvals do not specifically include annual reporting requirements:

- Memorandum of Agreement with the State of Colorado, Department of Natural Resources on behalf of the Colorado Division of Wildlife regarding the Fish and Wildlife Mitigation Plan, May 18, 2010
- United States Army Corps of Engineers Clean Water Act Section 404 Individual Permit No. SPA-2005-00131-SCO, April 26, 2010

Colorado Springs Utilities prepared an Environmental Commitment Plan and developed a Phase I Environmental Management System (EMS) to track compliance with the commitments associated with all of the programmatic permits/approvals.

1.2 Southern Delivery System Project Overview

SDS is a regional water delivery project that serves the City of Colorado Springs (via Colorado Springs Utilities), City of Fountain, Security Water District, and Pueblo West Metropolitan District (collectively, the SDS Participants).

The first phase of SDS includes construction of the following facilities:

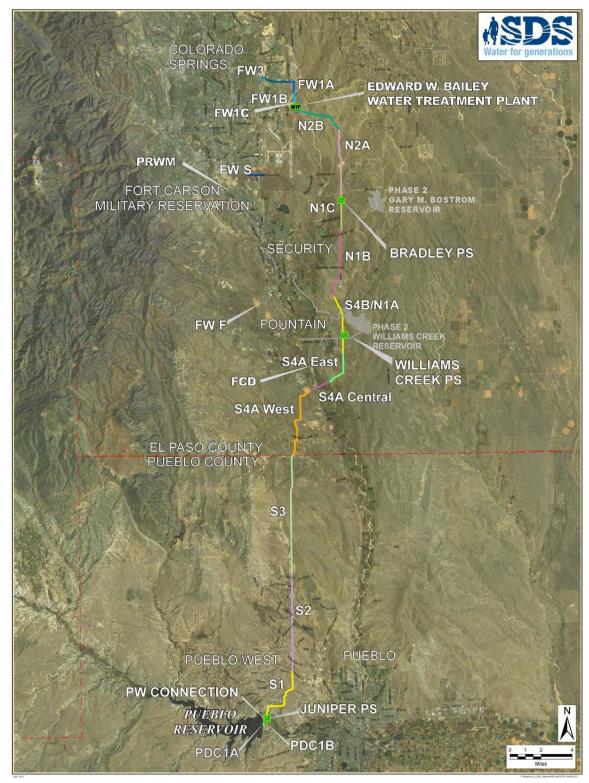
- 45 miles of raw water pipeline (66- and 72-inch diameter)
- Two 78-million-gallon-per-day (mgd) raw water pump stations and one 50-mgd raw water pump station (expandable in Phase 2)
 - A water treatment plant, the Edward W. Bailey Water Treatment Plant (Bailey WTP) with a capacity of 50 mgd (expandable in Phase 2)
- Approximately seven miles of finished water pipelines up to 54 inches in diameter

Phase 2 of SDS includes the following:

- A 30,500 acre-feet terminal storage reservoir on upper Williams Creek, Gary M. Bostrom Reservoir.
- Expansion of the 50-mgd raw water pump stations and Bailey WTP to 100-mgd capacity
- Expansion of the treated water delivery system
- A 28,000 acre-feet exchange storage reservoir on Williams Creek, Williams Creek Reservoir, and conveyance facilities to transfer water to and from Fountain Creek for exchange operations.

SDS has been broken down into various work packages. The work packages and the facilities identified above are shown on Figure 1.

FIGURE 1. SOUTHERN DELIVERY SYSTEM WORK PACKAGES AND FACILITIES



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1.3 SDS Participant Information

Contact details for the SDS Participants and their authorized agent are as follows.

1.3.1 SDS Participants

Colorado Springs Utilities

(Authorized agent acting on behalf of Participants)

Contact: Joseph Rasmussen, Principal Project Manager

Leon Young Service Center 1521 South Hancock Expressway

P.O. Box 1103, MC 1821

Colorado Springs, CO 80947-1821

Phone: (719) 668-4173; Fax: (719) 668-5651

E-mail: jrasmussen@csu.org

Security Water District (Participant)

Contact: Roy Heald, District Manager

231 Security Blvd. Security, CO 80911

Phone: (719) 392-3475; Fax: (719) 390-7252

E-mail: r.heald@securitywsd.com

City of Fountain (Participant)

Contact: Curtis Mitchell, Director of Utilities

116 S. Main St. Fountain, CO 80817

Phone: (719) 322-2040; Fax: (719) 322-2011 E-mail: cmitchell@fountaincolorado.org

Pueblo West Metropolitan District (Participant)

Contact: Scott Eilert, Utilities Director

109 E. Industrial Blvd. Pueblo West, CO 80017

Phone: (719) 547-5044; Fax: (719) 547-2833

E-mail: seilert@pwmd-co.us

1.4 Southern Delivery System Project Regulatory Review Process

SDS has undergone, and continues to undergo, significant regulatory oversight at the federal, state, and local levels. At the federal level, Reclamation has performed extensive and detailed environmental studies as a part of the National Environmental Policy Act (NEPA) process, the culmination of which was a Final Environmental Impact Statement (FEIS) and issuance of a ROD.

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The ROD for SDS was issued on March 20, 2009. It identified SDS, as shown on Figure 1, as the Preferred Alternative. SDS has been determined to cause "the least damage to the biological and physical environment" (Reclamation 2009). The ROD included extensive commitments by the SDS Participants to significant, long-term mitigation measures.

Because SDS crosses wetlands and other waters of the United States, it required a permit from the USACE under the dredge and fill material permit program established under Section 404 of the federal Clean Water Act. A Section 404 Permit was received for SDS on April 26, 2010. Colorado Springs Utilities has developed new wetlands as compensatory mitigation under the Section 404 Permit, and provided copies of the mitigation plans to the Fountain Creek Watershed, Flood Control, and Greenway District for review. The jurisdictional wetlands mitigation project was reviewed and approved by the USACE and Fountain Creek Watershed, Flood Control, and Greenway District prior to its construction in September 2011. On January 22, 2015, the USACE determined that the wetland mitigation project was established and complete.

At the state level, the SDS Section 404 Permit received a Certification under Section 401 of the Clean Water Act from the Colorado Department of Public Health and Environment (CDPHE) on April 23, 2010. In February 2011, the State Water Quality Control Commission denied a challenge to the CDPHE (Water Quality Control Division) certification and upheld the certification. In April 2012, the Pueblo County District Court determined that the Commission action was not supported by the administrative record and remanded the certification. In July 2013, the Colorado Court of Appeals ruled that the state Water Quality Control Commission's approval of the SDS certification was consistent with applicable laws and regulations and was supported by substantial evidence.

Colorado Parks and Wildlife (CPW) also reviewed SDS, and the SDS Fish and Wildlife Mitigation Plan (FWMP) was prepared collaboratively with CPW staff and approved by both the Colorado Wildlife Commission (CWC) and the Colorado Water Conservation Board (CWCB) (Colorado Springs Utilities, City of Fountain, Security Water District, Pueblo West Metropolitan District, and Colorado Division of Wildlife 2010). A Memorandum of Agreement implementing the FWMP was executed with the CPW on May 18, 2010.

At the county, regional, and city levels, SDS is subject to a variety of regulatory reviews and associated mitigation requirements, including the following:

- Pueblo County 1041 Permit (No. 2008-002),
- El Paso County Approval of Location, Site Development Plan, and 1041 Permit processes, and
- Land use approval by the Fountain Creek Watershed, Flood Control, and Greenway District (District).

Collectively, these permit conditions include comprehensive and extensive mitigation requirements, which are detailed in the respective resolutions of approval.

2.0 Listing of Permit Compliance Reporting Requirements for SDS

A detailed and specific listing of the permit compliance reporting requirements for SDS for the six programmatic permits and approvals received for SDS that have annual reporting requirements is provided in Attachment 1 – Annual Implementation Progress Matrix.

The Annual Implementation Progress Matrix contains:

- A listing of the environmental commitments for SDS with annual reporting requirements (columns 1 and 2).
- A description of SDS implementation progress towards compliance with each of the commitments (column 3).
- A field to show if additional documentation is included in an attachment to this report (column 4).
- Items that are specific to either construction or operations have been color coded.

Supporting documentation listed in column 4 is provided in the following attachments:

- Attachment 2 Monthly Average Flow Data from United States Geological Survey (USGS) Gauge Station
- Attachment 3 Water Quality Monitoring Data
- Attachment 4 Complaint Log
- Attachment 5 Emergency Response Log
- Attachment 6 Log of Work Occurring During Non-Typical Work Hours
- Attachment 7 Expenditures for Wastewater System Improvements
- Attachment 8 Summary of Storage, Diversion, Delivery of Water in Pueblo County
- Attachment 9 Summary of Participants' Return Flows to Fountain Creek Including Storage and Releases of Such Return Flows
- Attachment 10 Summaries of Exchanges by Participants between Pueblo Reservoir and the Fountain Creek Confluence
- Attachment 11 Pueblo Flow Management Program
- Attachment 12 Geomorphology Monitoring

3.0 Summary of SDS Activities Undertaken During the Reporting Period

SDS Phase I Construction Activities

A number of actions have been taken during this reporting period related to the construction of SDS. Some of the key activities during this reporting period include the following:

Pueblo Dam Connection (PDC)1A

SDS construction activities were completed at the PDC1A in 2013. Vegetation restoration and noxious weed mitigation were completed in 2016 with acceptance by Reclamation and CPW on June 26, 2016. There were no construction activities performed at PDC1A during the reporting period. All requirements associated with PDC1A have been fulfilled. This is the last report that information will be included for this work package. The location of PDC1A is shown on Figure 1.

PDC1B

Construction of PDC1B began in August 2013 and was completed in 2014. Vegetation restoration was completed in 2016 with acceptance by Reclamation and CPW on June 26, 2016. Noxious weed mitigation and vegetation restoration and maintenance activities were completed in 2017. Activities in 2017 included maintenance of stormwater BMPs, irrigation, vegetation maintenance, and noxious weed mitigation. All requirements associated with PDC1B have been fulfilled. This is the last report that information will be included for this work package. The location of PDC1B is shown on Figure 1.

South (S)1 Pipeline

SDS construction activities on the S1 Pipeline were completed in 2013, while noxious weed mitigation and vegetation restoration and maintenance activities were completed in 2016. There were no construction activities performed at S1 during the reporting period. All requirements associated with S1 have been fulfilled. This is the last report that information will be included for this work package. The location of the S1 Pipeline is shown on Figure 1.

S2 Pipeline

SDS construction activities on the S2 Pipeline were completed in 2013, while noxious weed mitigation and vegetation restoration and maintenance activities were completed in 2016. There were no construction activities performed at S2 during the reporting period. All requirements associated with S2 have been fulfilled. This is the last report that information will be included for this work package. The location of the S2 Pipeline is shown on Figure 1.

S3 Pipeline

SDS construction activities on the S3 Pipeline were completed in 2013. Noxious weed mitigation and vegetation restoration and maintenance activities were completed in 2017.

Activities in 2017 included maintenance of BMPs, irrigation, vegetation maintenance, and noxious weed mitigation. Colorado Springs Utilities has been performing additional work along S3 in an effort to address damage from rainstorms during the 2014 growing season, and reached a final settlement with the largest property owner on S3 regarding final restoration efforts. On March 3, 2017, this property owner accepted the construction and vegetation restoration activities associated with the settlement agreement. All requirements associated with S3 have been fulfilled. This is the last report that information will be included for this work package. The location of the S3 Pipeline is shown on Figure 1.

S4A East/West Pipeline

SDS construction activities on the S4A East and S4A West Pipelines were completed in 2014, while noxious weed mitigation and vegetation restoration activities were completed in 2016. Activities in 2017 included maintenance of blow-off appurtenance and infrastructure. All requirements associated with S4A East/West have been fulfilled. This is the last report that information will be included for this work package. The location of the S4A East and West Pipelines are shown on Figure 1.

S4A Central Pipeline

SDS construction activities on the S4A Central Pipeline were completed in 2015, while vegetation restoration and maintenance activities continued in 2017. Activities in 2017 included maintenance of BMPs, seeding, mulching, irrigation, vegetation maintenance, and noxious weed mitigation. The location of the S4A Central Pipeline is shown on Figure 1.

S4B/North (N)1A/N1B Pipeline

SDS construction activities on the S4B/N1A/N1B Pipeline were completed in 2013, while vegetation restoration and maintenance activities were completed in 2015 and noxious weed mitigation activities were completed in 2016. Activities in 2017 included temporary construction fence removal. All requirements associated with S4B/N1A/N1B have been fulfilled. This is the last report that information will be included for this work package. The location of the S4B/N1A/N1B Pipeline is shown on Figure 1.

N1C/N2A Pipeline

Construction for the N1C/N2A Pipeline was completed in 2013. Vegetation restoration and maintenance activities were completed in 2017. Activities in 2017 included BMP maintenance, vegetation maintenance, noxious weed mitigation, and temporary construction fence removal. All requirements associated with N1C/N2A have been fulfilled. This is the last report that information will be included for this work package. The location of the N1C/N2A Pipeline is shown on Figure 1.

N2B Pipeline

Construction activities on the N2B Pipeline were completed in 2015, while vegetation restoration and maintenance activities continued in 2017. Activities in 2017 included maintenance of BMPs, irrigation, vegetation maintenance, fence repair, and noxious weed mitigation. The location of the N2B Pipeline is shown on Figure 1.

Finished Water (FW)1B Pipeline

FW1B was completed in 2012, with repair work on the detention pond completed in 2014. Noxious weed mitigation, vegetation restoration and maintenance activities were completed in 2016. There were no construction activities performed at FW1B during the reporting period. All requirements associated with FW1B have been fulfilled. This is the last report that information will be included for this work package. The location of the FW1B Pipeline is shown on Figure 1.

FW1C Pipeline

Construction activities on the FW1C Pipeline were completed in 2015, while vegetation restoration and maintenance activities continued in 2017. Activities in 2017 included maintenance of BMPs, vegetation maintenance, and noxious weed mitigation. The location of the FW1C Pipeline is shown on Figure 1.

FW3 Pipeline

Construction activities were completed in 2014. Noxious weed mitigation and vegetation restoration and maintenance activities were completed in 2017. Activities in 2017 included vegetation maintenance and noxious weed mitigation. All requirements associated with FW3 have been fulfilled. This is the last report that information will be included for this work package. The location of the FW3 Pipeline is shown on Figure 1.

Edward W. Bailey Water Treatment Plant (Bailey WTP)

Construction of the Bailey WTP was completed in 2016. Activities in 2017 included installation of an irrigation system, seeding, mulching, vegetation maintenance, concrete work, installation and maintenance of BMPs, warranty work and noxious weed mitigation. The location of the Bailey WTP is shown on Figure 1.

Raw Water Pump Stations (RWPSs)

Construction of the three RWPSs, Bradley Pump Station (BPS), Williams Creek Pump Station (WCPS) and Juniper Pump Station (JPS), was completed in 2016. Activities in 2017 included maintenance of BMPs, vegetation maintenance, warranty work and noxious weed mitigation. The locations of the three RWPS are shown on Figure 1.

Gary M. Bostrom Reservoir

30% design for the Gary M. Bostrom Reservoir was completed in 2016. Activities in 2017 included property acquisition, asbestos abatement, hazardous waste management, demolition and removal of existing structures, removal of septic systems, and well abandonment. The location of the Gary M. Bostrom Reservoir is shown on Figure 1.

Pinello Ranch Wetland Mitigation (PRWM) Project

Construction of the PRWM project commenced in November 2016, while construction and planting activities were completed in 2017. Activities in 2017 at the PRWM site included excavation, grading, seeding, mulching, planting of wetland plugs and sod mats, planting of trees and shrubs, vegetation maintenance, irrigation, and noxious weed mitigation. The PRWM project will be used to mitigate a portion of the 12.0 acres of non-jurisdictional wetlands that will be permanently impacted as a result of SDS current and future activities. The location of PRWM is shown on Figure 1.

Fountain Creek Diversion (FCD) Project

A drop/diversion structure within Fountain Creek downstream (east) of the Old Pueblo Road Bridge was constructed in 2017 and will divert water from Fountain Creek, under existing water rights, to an irrigation conveyance system. The purpose of the diversion structure is to mitigate the future, potential, adverse impacts on physical diversions of Senior Water Rights in Fountain Creek that may be caused by the future SDS Williams Creek Reservoir return flows, as identified in the ROD. Construction activities in 2017 included material delivery, installation of sheet pile, installation of riprap, concrete work, installation of irrigation conveyance pipe, installation of pumps, and irrigation ditch excavation. Vegetation restoration activities in 2017 included grading, seeding, mulching, and irrigation. The location of FCD is shown on Figure 1.

Additional SDS Activities

In addition to the milestones listed above, Colorado Springs Utilities engaged in the following initiatives of note during the reporting period:

- In addition to the PRWM project mentioned above, maintenance of wetland mitigation areas for wetlands that will be permanently impacted as a result of SDS continued in 2017. Activities in 2017 included seeding and noxious weed mitigation at the FCR wetland site on the Clear Spring Ranch property.
- Colorado Springs Utilities, or its selected contractors, continue to obtain a number of
 construction-related permits associated with integration and mitigation
 projects. Acquisition and compliance with programmatic permit/approval
 commitments and construction permit requirements are being tracked through an
 Environmental Management System (EMS).
- Pueblo County SDS 1041 Permit Condition 6 (Monetary Mitigation for Fountain Creek Impacts) In accordance with Condition 6 of the SDS 1041 Permit and Pueblo County Resolution No. P&D 14-15 (confirming the commencement date for the annual indexing and approving the annual indexing methodology for purposes of calculating monetary mitigation), two payments were made by Colorado Springs Utilities on behalf of the SDS Participants to the Fountain Creek Watershed Water Activity Enterprise totaling \$10,159,839. This included a payment of \$10,052,192 delivered on January 13, 2017, and a second payment of \$107,647 delivered on February 6, 2017 associated with an annual indexing adjustment. Additional details are included in Attachment 1.
- Sediment Control As a condition of the IGA, Colorado Springs agreed to contribute, subject to those conditions outlined in the IGA, \$1 million per year for three years to the City of Pueblo or its Stormwater Enterprise for the purpose of funding repairs or improvements, including sediment and debris removal, to the levee system on Fountain Creek within the City of Pueblo. The second of the three payments was made on January 3, 2017.
- Revegetation -On September 8, 2017, SDS, along with a representative of the Pueblo County Department of Planning and Development, performed a vegetation progress inspection and no action items were identified as a result of the site visit. Colorado Springs Utilities maintains its position regarding revegetation and reclamation of rights-

- of-way as reiterated in its response letter to Pueblo County dated September 28, 2017. Colorado Springs Utilities will continue to work cooperatively in the future with Pueblo County with respect to the maintenance of the SDS right-of-way consistent with that position, and will meet its obligations under the SDS easement documents accordingly.
- SDS entities complied with the terms of the Pueblo Flow Management Program. Colorado Springs Utilities exchanges were curtailed to meet the recreational flow targets during the month of May 2017. No other SDS entities were exchanging during this period.

Other Activities

- Stormwater the City of Colorado Springs, Colorado Springs Utilities, and the County of Pueblo entered into an Intergovernmental Agreement (IGA) on April 27, 2016 related to stormwater management activities. The IGA annual report of final expenditures for the 2016 calendar year was submitted on June 30, 2017. This report is submitted to Pueblo County separately, and will not be submitted as part of this annual report.
 - In November 2017, Colorado Springs voters approved ballot initiative 2A which authorized the collection of stormwater service fees beginning July 1, 2018 and ending July 1, 2038, for the sole purpose of funding through a City enterprise, the construction, improvement, and operation and maintenance of public stormwater facilities and infrastructure.

4.0 Future SDS Activities

Anticipated activities for 2018 include:

- Continued land acquisition for SDS Phase II
- Cultural Resource Mitigation for SDS Phase II
- Permitting activities related to SDS Phase II
- Wetland Stabilization at the PRWM Project
- Compliance monitoring for operational activities

5.0 References

- Bureau of Reclamation. 2008. Southern Delivery System Final Environmental Impact Statement. December.
- Bureau of Reclamation. 2009. Record of Decision for the Southern Delivery System Project Final Environmental Impact Statement. Record of Decision Reference No. GP-2009-01. Colorado Department of Public Health and Environment. 2010. Section 401 Water Quality Certification; Colorado 401 Certification No.: 4224; U.S. COE 404 Permit No.: SPA-1995-00131-SCO; Description: Southern Delivery System; Location: El Paso and Pueblo Counties; Watercourse: Arkansas River, Fountain Creek and tributaries; Designation: Reviewable (MA01, MA02, MA03, FO02a, FO02b); Use Protected: (FO04, LA01a, LA01b). April 23
- Colorado Springs Utilities, City of Fountain, Security Water District, Pueblo West Metropolitan District, and Colorado Division of Wildlife. 2010. Southern Delivery System Fish and Wildlife Mitigation Plan. March 11.
- El Paso County. 2010a. Planning Commission Resolution U-09-002. For the Approval of Location of the Southern Delivery System Raw Water Pipeline within the A-5 (Agricultural), PUD (Planned Unit Development), RR 2.5 (Rural Residential) and RR-5 (Residential Rural) Zone District. March 2.
- El Paso County. 2010b. Planning Commission Resolution U-09-003. For the Approval of Location of the Southern Delivery System Finished Water Pipeline within the PUD (Planned Unit Development) Zone District. March 2.
- El Paso County. 2010c. Planning Commission Resolution U-09-004. For the Approval of Location of the Southern Delivery System Bradley Pump Station within the RR-5 (Residential Rural) Zone District. March 16.
- El Paso County. 2010d. Planning Commission Resolution U-09-005. For the Approval of Location of the Upper Williams Creek Reservoir within the RR-5 (Residential Rural) Zone District. March 16.
- El Paso County. 2010e. Planning Commission Resolution U-09-007. For the Approval of Location of the Exchange Flow System within the RR-5 (Residential Rural) Zone District. March 16.
- El Paso County. 2014a. Development Services Department, File No. AASI-13-002, Southern Delivery System Finished Water Section 1C. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in Development in a Designed Area of State Interest in El Paso County, Colorado. January 2.
- El Paso County. 2014b. Development Services Department, File No. AASI-13-005, Southern Delivery System Finished Water Section 3. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in

- Development in a Designed Area of State Interest in El Paso County, Colorado. January 29.
- El Paso County. 2014c. Development Services Department, File No. AASI-14-001, Southern Delivery System Raw Water Pipeline Section S4AC. Administratively Approved Permit Issued to Conduct a Designated Activity of State Interest or to Engage in Development in a Designed Area of State Interest in El Paso County, Colorado. February 18.
- Fountain Creek Watershed, Flood Control, and Greenway District. 2010. Board of Directors Resolution 2010-01 Land Use. A Resolution recommending that the El Paso County Planning Commission approve applications by Colorado Springs Utilities and on behalf of the Project Participants for location approvals for the Southern Delivery System located within the Fountain Creek Watershed Management Area and approving those portions of the Southern Delivery System located within the Fountain Creek Corridor. February 26.
- Pueblo County. 2009. 1041 Permit No. 2008-002. The Board of County Commissioners of Pueblo County Colorado; A Resolution Approving 1041 Permit No.2008-002 With Terms and Conditions for Construction and Use of a Municipal Water Project Known as the Southern Delivery System within Pueblo County, Colorado. April 21.
- State of Colorado. 2010. Memorandum of Agreement by and between the State of Colorado, acting by and through the Department of Natural Resources, for the use and benefit of the Division of Wildlife and Colorado Springs Utilities, acting as the Project Manager for the Southern Delivery System. May 18.
- U.S. Army Corps of Engineers. 2010. Department of the Army Permit; Permittee: Colorado Springs Utilities; Permit No. SPA-2005-00131-SCO; Issuing Office: Albuquerque District, U.S. Army Corps of Engineers. April 26.

Implementation Progress Matrix

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
Bureau of R	Reclamation - Record of Decision		
Environmenta	al Commitments		
p. 11, ¶1	Such contracts will, at a minimum, include a requirement for the SDS Participants to submit to Reclamation an annual compliance report that certifies progress in successfully implementing these commitments in a timely manner as prescribed in this ROD and any contracts.	This Permit Compliance Annual Report is being prepared to demonstrate the progress in successfully implementing the commitments as prescribed in the ROD and the annual reporting requirements found in the other programmatic permits and approvals including: the Pueblo County 1041 Permit, the El Paso County Location Approvals, El Paso County 1041 Permits, the CDPHE 401 Water Quality Certification and the Fountain Creek Watershed, Flood Control and Greenway District approval.	No
Participants'	Commitments: General Commitments		
p. 12, Bullet 1	Comply with all applicable permits, regulations, and laws including but not limited to CDPHE, USCOE 404, and local land use permits obtained for the SDS Project.	Compliance with permit and regulatory requirements is being tracked through the implementation of an Environmental Management System (EMS). In addition, the construction contract documents for each of the work packages include permit and regulatory compliance requirements. The EMS ensures that all applicable actions necessary for compliance are taken in a timely manner.	No
p. 12, Bullet 2	Construct and operate the SDS Project in a manner that does not differ substantially from that evaluated in this FEIS, except under emergency conditions, and unless additional and appropriate environmental investigations are completed by Reclamation and approval is then given to Participants to alter construction or operation of the SDS Project.	The SDS Participants constructed and will operate the preferred alternative that was identified in the FEIS in a manner that does not differ substantially from that evaluated in the FEIS.	No
Participants'	Commitments: Surface Water		
p. 12, Bullet 1	Comply with the Upper Arkansas Voluntary Flow Management Program except during emergency conditions as defined in Section 2.b. of the Memorandum Of Understanding for Settlement of Case No. 04CW129, Water Division 2 (Chaffee County Recreation In-Channel Diversion).	The SDS Participants complied with the Upper Arkansas Voluntary Flow Management Program.	No
p. 13, Bullet 2	Comply with the Pueblo Flow Management Program pursuant to existing intergovernmental agreements. If Reclamation and the Participants receive credible information that project operations are impairing physical diversion of a senior water right, contrary to Colorado water law, the Participants will immediately initiate discussions among the parties, including the party alleging the impairment of Reclamation, to develop a solution and remedy the impairment in compliance with Colorado water law.		Attachments 8 through 11.

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 13, Bullet 3	Participants will consult with Reclamation each year on the average annual flow in Fountain Creek. If the average annual stream flow of Fountain Creek as measured at Pueblo (USGS gauge station number 07106500) exceeds the scope and range of the flow estimated and analyzed in the Final Environmental Impact Statement (see Table 33 of the FEIS), then Participants will coordinate with Reclamation, within their adaptive management plan, to evaluate the cause(s) for the change in flows and determine whether appropriate response actions, such as monitoring and/or mitigation measures, are warranted. Each year, Participants will report to Reclamation the average annual flow in Fountain Creek at Pueblo together with other relevant data.	The average annual flow during this reporting period in Fountain Creek as measured at USGS gauge station number 07106500 was approximately 185.0 cubic feet per second (cfs). Table 33 of the FEIS reported the average annual simulated streamflow at this location under existing conditions as 188 cfs and under the preferred alternative (Alt 2) as 253 cfs. Flows did not exceed the scope and range identified in the FEIS. See Attachment 2 for the monthly average flow data from USGS Gauge Station Number 07106500.	Attachment 2 - Monthly Average Flow Data from USGS Gauge Station Number 07106500
p. 13, ¶1	Surface water mitigation measures will resolve adverse effects to physical diversions of senior water rights.	This requirement is a summary statement of the specific surface water mitigation measures described in the above listed bullets of this section. The SDS Participants are implementing the surface water mitigation measures per the Upper Arkansas Voluntary Flow Management Program and the Pueblo Flow Management Program.	No
Participants'	Commitments: Water Quality		
p. 13, Bullet 1	Include water quality monitoring and adaptive management within the integrated adaptive management program (see Participants' General Commitments).	The Monitoring Plan has been completed and was submitted to the Bureau of Reclamation on March 18, 2011.	No
p. 13, Bullet 2	Begin implementing water quality monitoring when construction of the project begins. This will allow about three years of baseline data to be collected before project operations begin.	A Joint Funding Agreement was executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011.	Attachment 3 - Water Quality Monitoring Data
p. 13, Bullet 3	Submit water quality monitoring data, including trend analyses, for the preceding calendar year to Reclamation by January 31st of the subsequent year.	A Joint Funding Agreement was executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011. See Attachment 3 for the water quality monitoring data. USGS reports data on a water year basis (October-September). The annual report will present data based on that reporting period. Trend analysis is not included in this report because Section 14.0 of the IAMP submitted to Reclamation indicates periodic reviews are to begin a minimum of 10 years following the initiation of the SDS Project operations. SDS began operation in April 2016, so trend analysis will not begin until the 2026 reporting year.	Attachment 3 - Water Quality Monitoring Data

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 13, Bullet 4	If the Colorado Department of Public Health and Environment (CDPHE) determines that operation of the SDS Project is causing significant adverse water quality effects, the Participants will coordinate with Reclamation, CDPHE, and other interested parties to evaluate and select measures to mitigate adverse effects.	CDPHE has not indicated that any adverse water quality effects have occurred due to the operation of SDS.	No
p. 13, Bullet 5	In the event that operation of the SDS Project causes, or threatens to cause, stream flows in the Arkansas River or other waterways to diminish to low levels that will contribute significantly to elevated concentrations/densities of dissolved selenium, <i>E. coli</i> , or sulfate, the Participants will coordinate with Reclamation, CDPHE, CDOW, and other interested parties to evaluate and select measures to mitigate adverse effects.	The SDS Project has not caused or threatened to cause stream flows to diminish to such low levels.	No
p. 13, ¶1	Development and implementation of a water quality monitoring and adaptive management plan will provide a means of detecting changes in water quality, judging whether they are likely caused by operation of the SDS Project, and addressing actual effects in a systematic manner. Additionally, implementation of the geomorphology mitigation measures (below) will reduce suspended sediment and total recoverable iron concentrations in Fountain Creek and the lower Arkansas River.	This requirement is a summary statement of the specific water quality commitments described in the above listed bullets of this section. The Monitoring Plan, Geomorphic Mitigation Plan and IAMP have been completed. These plans were submitted to the Bureau of Reclamation in March 2011. The plans will be implemented during the operation of the SDS project in accordance with this commitment.	No
Participants' (Commitments: Geomorphology		
	Design and construct an energy dissipation structure that will protect against erosion at the outlet of the pipeline from Williams Creek Reservoir to Fountain Creek.	The final design of the Williams Creek Reservoir is anticipated to begin during the period from 2020 to 2025. An energy dissipation structure at the pipe outlet will be incorporated into the design.	No
p. 14, Bullet 4	Evaluate and implement appropriate future geomorphic stabilization projects, if such future projects are determined to be necessary after the project is operational.	The Geomorphic Mitigation Plan provides a means for evaluating geomorphic impacts and determining the need for stabilization projects. No need has been identified during the reporting period.	No
p. 14, ¶1	When implemented, these recommendations will mitigate potential adverse effects on geomorphology by avoiding or minimizing effects of return flow discharges through an energy dissipation structure, compensating for anticipated effects, and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific water quality commitments described in the above listed bullets of this section. A Geomorphic Mitigation Plan has been completed and will be implemented during the construction and operation of SDS in accordance with this commitment.	No
	Commitments: Aquatic Life		
p. 15, Bullet 2	In the event that the operation of the SDS Project causes, or threatens to cause, stream flows in Fountain Creek or the Arkansas River to diminish to low levels that could contribute significantly to impairment of aquatic life, coordinate with Reclamation, CDPHE, CDOW and other interested parties to evaluate and select measures to mitigate adverse effects.	The SDS Project has not caused or threatened to cause stream flows to diminish to low levels.	No

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 15, Bullet 4	Monitor the effects of the operation of the SDS Project upon aquatic life in Fountain Creek and the Arkansas River between Pueblo Dam and the Las Animas Gage. Aquatic sampling will be conducted once per year at up to 10 locations. Monitoring methods and locations will be identified in the proposed wildlife mitigation plan that will be submitted to the Colorado Wildlife Commission pursuant to C.R.S. 37-60-122.2. Use the information from this monitoring in the adaptive management program for the SDS Project.	Aquatic sampling was performed per the Wildlife Mitigation Plan. There is no indication of adverse impacts to date as a consequence of the limited project operation.	No
p. 15, ¶1	When implemented, these recommendations will mitigate potential adverse effects on aquatic life by avoiding or minimizing effects, compensating for anticipated effects, and detecting and responding to effects identified after project operations begin.	This requirement is a summary statement of the specific aquatic life commitments described in the above listed bullets of this section. The SDS Participants have implemented the Fish & Wildlife Mitigation Plan as well as the agreements from the MOA with the Colorado Department of Natural Resources during the construction phase and will continue to do so during the operation of SDS.	No
Participants' (Commitments: Wetlands, Waters, and Riparian Vegetation		
p. 16, Bullet 5	Control Tamarisk that may establish around newly constructed reservoirs.	This requirement is not applicable yet as no SDS reservoir construction has commenced during this reporting period.	No
Participants'	Commitments: Vegetation		
p. 17, Bullet 8	Monitor construction areas for 3 years after construction to assess if noxious weeds have invaded the site. If noxious weeds are present, weed control plans will be formulated and completed.	As part of the pre-construction vegetation surveys completed for each work package, a noxious weed survey was conducted. The noxious weed survey includes recommended weed control methods. This information was incorporated into the contract documents. Monitoring of construction areas will continue for three years after construction to ensure that any necessary weed control is performed. In 2017, applicable work packages were monitored for noxious weeds, control plans were followed and observed noxious weeds were treated consistent with these plans.	No
p. 17, Bullet 9	Because the project may indirectly increase the spread of tamarisk, the Participants will work with the Colorado Department of Agriculture's Colorado Noxious Weed Management Team on tamarisk issues in the Arkansas Valley including submitting a request for partnership evaluation.	The Fish and Wildlife Mitigation Plan has identified the inlet area at the Pueblo Reservoir as an area of specific interest and identified the Colorado Department of Agriculture's Colorado Noxious Weed Management group as a consulting agency. Appropriate coordination will continue to occur.	No
p. 17, ¶1	Impacts to plant species and communities of concern and other sensitive vegetation areas can be avoided and minimized during final design and implementation. Because mitigation measures such as transplanting of individuals are often unsuccessful, avoidance and minimization will ensure survival, especially of plant species of concern. Seeding disturbed areas, replacing mature trees, and controlling noxious weeds will replace existing vegetation types and structural diversity and will ensure that high quality habitat remained.	As described in the previous responses of this section, numerous measures were implemented to minimize potential impacts to plant species and communities of concern and other sensitive vegetation areas. No concerns have been identified to date for this item or the previous items of this section.	No

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
p. 20, Bullet 1	Vegetate earthen dam faces with native herbaceous plants to match the adjacent undisturbed prairie plant communities.	This requirement is not applicable yet as the final design of the Gary M. Bostrom Reservoir (formerly known as the Upper Williams Creek Reservoir) and Williams Creek Reservoir did not begin during this reporting period.	No
El Paso Cou	inty - Location Approvals		
El Paso Cou	nty - Location Approvals did not contain operational requirements.		
El Paso Cou	inty - 1041 Permits		
El Paso Cou	nty - 1041 Permits did not contain operational requirements.		•
Pueblo Cou	nty - 1041 permit		
for Wastewater System	In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional \$75,000,000 in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2009 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2009. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.	Colorado Springs Utilities submitted a wastewater expenditures report documenting 2009 expenditures to Pueblo County on January 29, 2010. Colorado Springs Utilities prepared a report documenting 2010 expenditures which was submitted to Pueblo County on January 31, 2011. The report for 2011 was submitted to Pueblo County on January 26, 2012. The report for 2012 was submitted to Pueblo County on January 31, 2013. The report for 2013 was submitted to Pueblo County on January 31, 2014. The report for 2014 was submitted to Pueblo County on January 28, 2015. The report for 2015 was submitted to Pueblo County on January 16, 2016. The report for 2016 was submitted to Pueblo County on January 31, 2017. The report for 2017 is being prepared and will be submitted to Pueblo County with this Annual Report on or before January 31, 2018.	Attachment 7 - Expenditures for Wastewater System Improvements Annual Report
Mitigation Appendix ENF- 1, Project Detail, Item 2, p. 23 of 28	annually on or before January 31, beginning the year following commencement of water deliveries through the SDS pipeline. The reports shall include a signed certification of compliance with the Permit. Contents of the report will include, but will not be necessarily limited to:	This report will satisfy the requirement for the annual report following delivery of water through the SDS pipeline.	
	a. Summary of storage, diversion, delivery of water in Pueblo County.	Summary data from the project Particiapants related to the SDS Project is located in Attachment 8.	Attachment 8 - Summary of Storag Diversion, Delivery of Water in Pueblo County related to th SDS Project

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
	b. Summary of Participants' return flows to Fountain Creek including storage and releases of such return flows (maximum daily flows, average annual and monthly flows and amounts).	Summary data from the project Particiapants in located in Attachment 9.	Attachment 9 - Summary of Participants' SDS Return Flows to Fountain Creek Including Storage and Releases of Such Return Flows
	c. Summaries of exchanges by Participants between Pueblo Reservoir and the Fountain Creek confluence (monthly and annual rates of flow and quantities).	Summary data from the project Particiapants in located in Attachment 10.	Attachment 10 - Summaries of Exchanges by Participants between Pueblo Reservoir and the Fountain Creek Confluence
	d. Use of any new water rights to be delivered or stored through SDS (amount, time, source).	There were no new water rights to be delivered or stored through SDS during the reporting period.	No
	e. Water quality monitoring.	A Joint Funding Agreement was executed with the U.S. Geological Survey (USGS) on the water quality monitoring program. Water quality monitoring began in January, 2011. See Attachment 3 for the water quality monitoring data. Colorado Springs Utilities continues to use effluent monitoring data from its WWTPs to demonstrate the plants are operating in accordance with the specifications and standards associated with permits for its WWTPs. There were no violations of permit effluent limits during the reporting period.	Attachment 3 - Water Quality Monitoring Data
	f. Geomorphology monitoring.	Geomorphic monitoring data has been collected under an existing program led by the USGS in partnership with Colorado Springs Utilities and the City of Colorado Springs Engineering Department. Ten cross sections established at designated points along Fountain Creek are monitored for degradation, aggradation, and other changes to the geomorphic surface. Each cross section is surveyed once per year during low stream flow; preferably in the winter when leaves and other organic material on the ground is at a minimum. Survey data from 2015 has been provided as pre-SDS operations baseline conditions along with survey data from the reporting period (2017) for comparative purposes.	Attachment 12 - Geomorphology Monitoring

	Reporting Requirements	CY2017 Annual Report Information						
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided					
	g. Status of adaptive management plans on Fountain Creek.	The Monitoring Plan and Integrated Adaptive Management Plan were submitted to the Bureau of Reclamation on March 18, 2011 and acknowledged by Reclamation on March 24, 2011. The Geomorphic Mitigation Plan was submitted to Reclamation on March 15, 2011 and approved on April 26, 2011. Colorado Springs Utilities participates in a Joint Funding Agreement with the USGS regarding implementation of the Monitoring Plan.	No					
	h. Status of payments into the Fountain Creek monetary mitigation fund.	The first installment of \$100,000 was paid via Electronic Funds Transfer (EFT) on September 4, 2009. The EFT identification number for this transaction is 17350. The second installment of \$100,000 was paid via EFT on June 29, 2010. The EFT identification number for this transaction is 21087. The third installment of \$100,000 was paid via EFT on June 28, 2011. The EFT identification number for this transaction is 26356. A further mutually agreed upon advance of \$300,000 was made to the Fountain Creek District in 2009. An understanding between SDS and Pueblo County has been finalized relative to the indexing calculation method. The first of the remaining 5 payments, in the amount of \$9,578,817, was paid to the Fountainn Creek District on May 19, 2016. Paragraph III.D(2) states that within 30 days of the execution of the IGA Agreement, Utilities shall, on behalf of the SDS Participants, make the first annual payment (together with the additional annual indexing amounts) due under Condition 6 of the SDS 1041 Permit for the purposes stated therein to the FCWFCGD or its Enterprise in the amount of \$9,578,817.00. • Prior to the Bureau of Labor Statistics November 2016 Producer Price Index (PPI) data for Finished Goods (WPUFD49207) being "Finalized" in April 2017, two initial payments were made by Utilities to the Fountain Creek Watershed Water Activity Enterprise totaling \$10,159,839. This included a payment of \$10,052,192 delivered on January 13, 2017, and a second payment of \$107,647 delivered on February 6, 2017 associated with an annual indexing adjustment. These payments were made in accordance with Condition 6 of the Southern Delivery System (SDS) 1041 Permit and as outlined in Resolution No. P&D 14-15 (confirming the commencement date for the annual indexing and approving the annual indexing methodology for purposes of calculating monetary mitigation).	No					

	Reporting Requirements	CY2017 Annual Report Information		
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided	
	h. Status of payments into the Fountain Creek monetary mitigation fund. (con't)	As outlined in Resolution No. P&D 14-15 and the associated attachment, "On or before March 31 of each year, CSU staff shall meet with Pueblo County Staff for purposes of confirming the PPIs for each of the November to November twelve month periods used in the calculation and reaching agreement upon the index-based amount to be paid by CSU utilizing the calculation methodology (described)" This meeting was postponed until April 2017 when the previously reported "Preliminary" November 2016 PPI value of 192.6 for Finished Goods (WPUFD49207) was updated to a "Finalized" published value of 192.4 (0.2 points less than the original published "Preliminary" value). Based on this reduction in the index value, the Total Annual Payment Amount with Indexing for 2017 should have been \$10,149,289. However, based on the "Preliminary" value of 192.6 used for the initial 2017 payment, a total payment of \$10,159,839 was issued to the Fountain Creek Watershed Water Activity Enterprise. This in turn resulted in an overpayment of \$10,550 in 2017 by Utilities as it relates to payments associated with Condition 6 of the SDS 1041 Permit. As the overpayment resulted in a credit of \$10,550 to Utilities in 2017 as it relates to payments associated with Condition 6 of the SDS 1041 Permit, Utilities notified Pueblo County that Utilities intends to deduct this credited amount from the January 2018 Condition 6 Monetary Mitigation payment to the Fountain Creek Watershed Flood Control and Greenway District's Fountain Creek Watershed Water Activity Enterprise. The remaining annual payments shall be made on or before January 15 in 2018, 2019 and 2020.	No	
	i. Status of expenditures for wastewater system improvements for Participants (and third party users in the Fountain Creek basin) per Permit Conditions.	The report for 2017 will be submitted to Pueblo County as part of this Annual Report on or before January 31, 2018.	Attachment 7 - Expenditures for Wastewater System Improvements	
	j. Reports on the operation of the Pueblo Flow Management Program and the Low Flow Program (rates, and quantities, and times of foregone exchanges, releases, and reception documentation).	A Memorandum of Understanding (MOU) was executed between the Pueblo Board of Water Works and Colorado Springs Utilities on April 17, 2009 that provides the terms and conditions under which each of the entities will contribute to and assist in the maintenance of a storage pool in Pueblo Reservoir. SDS entities complied with the terms of the Pueblo Flow Management Program. Colorado Springs Utilities exchanges were curtailed to meet the recreational flow targets during the month of May 2017. No other SDS entities were exchanging during this period.	Attachment 11	

	Reporting Requirements	CY2017 Annual Report Information	
Reference	Permit or Approval Document Requirement	Implementation Progress	Attachment Provided
	k. Status of lake level management cooperative efforts with other entities at Pueblo Reservoir.	Colorado Springs Utilities remains committed to participate in the development of a reservoir management plan for Pueblo Reservoir at such time as the Bureau of Reclamation and the Southeastern Colorado Water Conservancy District decide to proceed forward.	No
	l. Status of conservation and local reuse.		No
	m. Payments to Pueblo County in lieu of property taxes.	The payment in-lieu of property tax for 2016 for the properties acquired in Pueblo County was made on April 25, 2016. The payment in-lieu of property tax for 2017 for the properties acquired in Pueblo County was made on April 13, 2017.	No
	n. Copies of the annual reports on the SDS Project submitted to Reclamation.	This report will satisfy the requirement for the annual report following delivery of water through the SDS pipeline.	No
CDPHE - 40	1 Water Quality Certification		
Certification Statement, Bullet 4, p. 6	All collected raw data and annual reports developed as a requirement of other agency conditions will be submitted to the Division at the same time they are submitted to the requiring regulatory agency. Data and reports will be submitted directly to the Environmental Data Unit in an electronic data format agreed to by the Division.	The SDS Permit Compliance Annual Report for Calendar Year 2017 has been prepared to address the annual reporting requirements for all of the major programmatic permits. Pertinent raw data and reports are being submitted as part of this annual report, of which CDPHE is a recipient.	No
Fountain Ca	reek WFCGD - Resolution 2010-01		
Technical Advisory Committee	The Integrated Adaptive Management Plan (IAMP) shall be submitted to the District for review, and periodic reports on water quality and quantity shall be provided to the District.	The IAMP has been completed and was submitted to the Bureau of Reclamation on March 18, 2011. The IAMP has been provided to the District.	No
Condition 2, p. 3 (Also Citizen Advisory Committee Condition 2)	The Integrated Adaptive Management Plan (IAMP) will include how mitigation will be performed in case there are problems that were not anticipated during the project. This will include means and methods to address impacts from the project and specific triggers to initiate the process. Once the IAMP is finalized there will be an opportunity for comment.		

Monthly Average Flow Data from USGS Gauge Station No. 07106500 Fountain Creek at Pueblo

The USGS provides data based on a water year (October through September).

Monthly Average Flow Data
USGS Gauge Station No: 07106500
FOUNTAIN CREEK AT PUEBLO, CO
Pueblo County, Colorado
Hydrologic Unit Code 11020003
Latitude 38°17'16", Longitude 104°36'02" NAD27

Drainage area 925 square miles

Gage datum 4,705 feet above sea level NGVD29

					000	60, Discha	rge, cubic	feet per se	cond,					
VEAD			Mo	,	,		n Period: 2 l calculatio			30)			Annual	Long-Term Average Annual
YEAR		2016						2017					Average Flow	Simulated
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	11011	Streamflow
Mean of														
Monthly	106.1	148.7	171.6	174.2	157.3	146.8	228.9	281.0	133.5	209.9	265.1	193.9	185.0	253.0
Discharge														

Notes:

- 1. No incomplete data has been used for the statistical calculations shown in the table.
- 2. Data in this table is from USGS National Water Information System: Web Interface (waterdata.usgs.gov/nwis/monthly).
- $3. \ The \ annual \ average \ is \ computed \ from \ the \ monthly \ mean \ data \ published \ by \ the \ U.S. \ Geological \ Survey.$
- 4. The long-term average annual simulated streamflow for the preferred alternative (Alt 2) was taken from Table 33 of the FEIS.
- 5. Data is provisional until it goes through the USGS quality assurance process.

Water Quality Monitoring Data

A Joint Funding Agreement was executed with the USGS to begin the water quality monitoring program in January 2011. Data are provisional until they go through the USGS quality assurance process. Cells shaded in blue represent data that exceed CDPHE Reg. 32 Water Quality standards for Middle Arkansas River Basin segment 3, Lower Arkansas River Basin segment 1a, and Fountain Creek Basin segments 1a, 2a, 2b, and 6.

Water Quality Monitoring Data

		Barometric		Dissolved		Specific			Total Ammonia,					
Location	Date	pressure	Flow, cfs	oxygen	рН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium note
Location	Dute	p. coou. c	1.011, 0.0	oxige	P		remperature			74111110111101110110	25011011011101101		JC.C	Jeiemann note
				5.0			Mar - Nov = 28.6							
Standards (if applicable)				(minimum)	6.5-9.0		Dec - Feb = 25.2		See note		126		17.1	
Standards (ir applicable)				(minimum)	6.5-9.0		Dec - Feb = 25.2		See note		126		17.1	
ADVANCAC BUYER AT LAGGEAT CTREET AT BUYER O. CO.	40.02.2045	62.4	407	0.0	0.4	504	40.0		.0.02			2.400	47.0	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	10-03-2016	634	137	8.9	8.4	601	18.9	4.0	<0.02		74	>2,400	17.0	d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	10-18-2016		195 135		8.4	566 618	13.7			_	870 980	>2,400 >2.400	17.7	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	11-08-2016	652		10.0			12.2	5.6	0.03	n		,		d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	11-22-2016		224			572	10.6				>2,400	>2,400		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	12-08-2016	648	75	12.0	8.2	800	3.2	5.3	0.03	n	440 260	>2,400	27.2	d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	12-21-2016		75 107			845 869	5.1 3.7	8.0	0.03	_	1,600	>2,400	24.6	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	01-09-2017	637		11.8	8.3					n		>2,400		d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	01-17-2017		92			791	4				84	920		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	02-01-2017	642	101	12.1	8.4	757	5.4	4.5	<0.02		12	260	27.6	d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	02-22-2017		101			724	8.1				44	330		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	03-09-2017	642	114	11.4	8.2	689	9	5.2	<0.02		-	260	23.8	d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	03-20-2017		427			518	7.9				8	730		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	04-07-2017	639	808	10.7	8.9	517	10.9	5.1	<0.02		4	610	9.9	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	04-20-2017		583			517	8.7				120	>2,400		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	05-08-2017	640	348	11.0	8.7	614	12.8	4.7	<0.02		41	2,000	14.9	d
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	05-24-2017		763			543	11.6				14	980		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	06-09-2017	638	3,420	9.7	8.5	497	13.8	9.8	0.03	n	150	>2,400	7.8	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	06-22-2017		4,150			426	16				40	2,000		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	07-05-2017	647	957	8.6	8.9	363	19.7	16	<0.02		200	>2,400	5.2	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	07-20-2017					299	20.8				73	>24,000		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	08-03-2017	647	1,410	8.5	8.5	296	20.2	15	<0.02		31	9,200	3.9	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	08-24-2017		826			354	18.8				380	11,000		
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	09-06-2017	649	670	8.4	8.3	380	19.1	21	<0.02		130	>2,400	4.7	
ARKANSAS RIVER AT MOFFAT STREET AT PUEBLO, CO	09-21-2017					388	21.3				22	1,400		
Standards (if applicable)				6.0	6.5-9.0		Apr - Oct = 24.3 Nov - Mar = 13.0		See note		126		4.6	
				6.0			Nov - Mar = 13.0							
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-05-2016	602	17	6.0 9.6	8.2	299	Nov - Mar = 13.0	3.7	<0.02		190	2,400	0.12	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO. FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016	=	15	9.6	8.2	292	Nov - Mar = 13.0 6.8 4.9		<0.02		190 120	2,400	0.12	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO. FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO. FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016	 613	15 15	9.6 9.6	8.2	292 296	Nov - Mar = 13.0 6.8 4.9 7.7	2.2	<0.02		190 120 110	2,400 2,000	0.12	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016	 613 	15 15 17	9.6 9.6	8.2 8.2	292 296 270	Nov - Mar = 13.0 6.8 4.9 7.7 4.4	 2.2 	<0.02 <0.02 		190 120 110 61	2,400 2,000 >2,400	0.12 0.12	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016	 613 597	15 15 17 20	9.6 9.6 10.6	8.2 8.2 8.1	292 296 270 345	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2	 2.2 2.2	<0.02 <0.02 <0.02		190 120 110 61 57	2,400 2,000 >2,400 2,400	0.12 0.12 0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016	 613 597 	15 15 17 20 E14	9.6 9.6 10.6	8.2 8.2 8.1	292 296 270 345 336	6.8 4.9 7.7 4.4 3.2 -0.1	 2.2 2.2	<0.02 <0.02 <0.02		190 120 110 61 57 45	2,400 2,000 >2,400 2,400 1,000	0.12 0.12 0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017	 613 597 606	15 15 17 20 E14	9.6 9.6 10.6 11.5	8.2 8.2 8.1 8.1	292 296 270 345 336 322	6.8 4.9 7.7 4.4 3.2 -0.1 0.4	2.2 2.2 3.8	<0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22	2,400 2,000 >2,400 2,400 1,000 440	0.12 0.12 0.18 	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017	 613 597 606	15 15 17 20 E14 17	9.6 	8.2 8.2 8.1 8.1	292 296 270 345 336 322 338	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4	2.2 2.2 3.8	<0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250	2,400 2,000 >2,400 2,400 1,000 440 370	0.12 0.12 0.18 0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017	 613 597 606 597	15 15 17 20 E14 17 14 15	9.6 	8.2 8.2 8.1 8.1 8.2	292 296 270 345 336 322 338 344	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5	2.2 2.2 3.8 1.7	<0.02 	@c	190 120 110 61 57 45 22 250 22	2,400 2,000 >2,400 2,400 1,000 440 370 320	0.12 0.12 0.18 0.18 0.22	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 02-21-2017	 613 597 606 597	15 15 17 20 E14 17 14 15 9.9	6.0 9.6 9.6 10.6 11.5 10.3	8.2 8.2 8.1 8.1 8.2	292 296 270 345 336 322 338 344	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8	 2.2 2.2 3.8 1.7	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35	2,400 2,000 >2,400 2,400 1,000 440 370 320 770	0.12 0.12 0.18 0.18 0.22	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 02-21-2017 03-06-2017		15 15 17 20 E14 17 14 15 9.9	6.0 9.6 9.6 10.6 11.5 10.3 10.6	8.2 8.2 8.1 8.1 8.2	292 296 270 345 336 322 338 344 342 341	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2	2.2 2.2 3.8 1.7 2.4	<0.02 	@c	190 120 110 61 57 45 22 250 22 35	2,400 2,000 >2,400 2,400 1,000 440 370 320 770 1,700	0.12 0.12 0.18 0.18 0.22	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 02-21-2017 03-06-2017 03-21-2017		15 15 17 20 E14 17 14 15 9.9 11	9.6 	8.2 	292 296 270 345 336 322 338 344 342 341 376	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4	2.2 2.2 3.8 1.7 2.4	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35 14 36	2,400 2,000 2,400 2,400 1,000 440 370 320 770 1,700 770	0.12 0.12 0.18 0.18 0.22 0.20	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 02-07-2017 03-06-2017 03-21-2017 04-03-2017	613 597 606 597 597 599 600	15 15 17 20 E14 17 14 15 9.9 11 10	6.0 9.6 9.6 10.6 11.5 10.3 10.6 9.7	8.2 	292 296 270 345 336 322 338 344 342 341 376 361	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4	2.2 2.2 3.8 1.7 2.4 1.8	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 250 35 14 36 54	2,400 2,000 >2,400 2,400 1,000 440 370 320 770 1,700 770 >2,400	0.12 0.12 0.18 0.18 0.22 0.20 0.21	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017	 613 597 606 597 599 600	15 15 17 20 E14 17 14 15 9.9 11 10 14	6.0 9.6 9.6 10.6 11.5 10.3 10.6 9.7	8.2 	292 296 270 345 336 322 338 344 342 341 376 361 353	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4 7	2.2 2.2 3.8 1.7 2.4 1.8	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35 14 36 54	2,400 2,000 2,400 2,400 1,000 440 370 320 770 1,700 770 2,400 1,300	0.12 0.12 0.18 0.18 0.18 0.22 0.20 0.21	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-25-2017 05-02-2017	613 597 606 597 597 606	15 15 17 20 E14 17 14 15 9.9 11 10 14 19	6.0 9.6 10.6 11.5 10.3 10.6 9.7 9.9	8.2 	292 296 270 345 336 322 338 344 342 341 376 361 353 310	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8	2.2 2.2 3.8 1.7 2.4 1.8 1.9	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35 44 36 54 110	2,400 2,000 2,400 2,400 1,000 440 370 320 770 1,700 770 >2,400 1,300 500	0.12 0.12 0.18 0.18 0.22 0.20 0.11	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 02-07-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017 05-23-2017 05-23-2017		15 15 17 20 E14 17 14 15 9,9 11 10 14 19 18	6.0 9.6 9.6 10.6 11.5 10.3 10.6 9.7 9.9	8.2 	292 296 270 345 336 322 338 344 342 341 376 361 353 310 250	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7	2.2 	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 < < < < < < <	@c	190 120 110 61 57 45 22 250 22 35 14 36 54 110 78	2,400 2,000 2,2400 2,400 1,000 370 320 770 1,700 770 2,400 1,300 500 2,000	0.12 0.12 0.18 0.18 0.22 0.20 0.21 0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-21-2016 12-05-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017 05-02-2017 05-02-2017 06-05-2017		15 15 17 20 E14 17 14 15 9.9 11 10 10 14 19 18 30 34	6.0 9.6 9.6 10.6 10.3 10.3 10.6 9.7 9.9	8.2 	292 296 270 345 336 332 338 344 341 376 353 361 353 310 250 230	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2	2.2 2.2 3.8 1.7 2.4 1.8 1.9	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56	2,400 2,000 2,400 1,000 440 370 320 770 1,700 770 1,700 770 1,300 500 2,000 >2,400	0.12 0.12 0.18 0.18 0.22 0.20 0.21 0.18 0.16	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017 05-02-2017 05-02-2017 06-05-2017 06-20-2017		15 15 17 20 E14 17 14 15 9.9 11 10 14 19 18 30 34 28	6.0 9.6 9.6 10.5 11.5 10.3 10.6 9.7 8.3	8.2 	292 296 270 345 336 322 338 344 342 341 376 361 353 310 250 206	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2 14.2	2.2 2.2 3.8 1.7 2.4 1.8 1.9 1.4	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260	2,400 2,000 2,400 2,400 1,000 440 370 320 770 1,700 770 >2,400 1,300 500 2,000 >2,400 >2,400	0.12 0.12 0.18 0.18 0.22 0.20 0.21 0.18 0.18 0.18 0.18 0.18 0.18	
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-21-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-21-2017 03-06-2017 04-03-2017 04-03-2017 05-23-2017 05-23-2017 06-05-2017 07-05-2017 07-05-2017		15 15 17 20 E14 17 14 15 9,9 11 10 14 19 18 30 34 28	6.0 9.6 9.6 10.5 10.3 10.6 9.7 9.9 8.3	8.2 	292 296 270 345 336 3322 338 344 341 376 361 353 310 250 230 206	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7 6.3 6.8 6.7 13.2 14.2 13.5	2.2 2.2 3.8 1.7 2.4 1.8 1.9	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	@c	190 120 110 61 57 45 22 250 22 35 14 36 54 110 910	2,400 2,000 2,000 2,400 1,000 440 370 320 770 1,700 770 2,400 1,300 500 2,000 >2,400 >2,400 12,000	0.12	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017 05-02-2017 05-02-2017 06-05-2017 06-05-2017 07-05-2017 07-12-2017		15 15 17 20 E14 17 14 15 9.9 11 10 11 10 14 19 18 30 34 28 13 87	6.0 9.6 9.6 10.6 10.3 10.6 9.7 9.9 8.3 8.4 7.6	8.2 	292 296 270 345 336 332 338 344 341 376 353 351 361 353 310 250 250 206	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2 14.2 13.5 15.9	2.2 2.2 3.8 1.7 2.4 1.8 1.9 1.4	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 910 14,000	2,400 2,000 2,400 1,000 1,000 370 320 1,700 770 1,700 770 1,300 500 2,400 2,400 2,400 2,400 12,000 20,000	0.12 0.12 0.18 0.18 0.22 0.20 0.21 0.18 0.16 0.16 0.17	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-25-2017 05-02-2017 05-02-2017 06-05-2017 06-05-2017 07-05-2017 07-19-2017 07-19-2017		15 15 17 20 E14 17 14 15 9.9 11 10 14 19 18 30 34 28	6.0 9.6 9.6 10.6 11.5 10.3 9.7 8.3 8.4 7.6	8.2 	292 296 270 345 336 322 338 344 342 341 376 361 353 310 250 206 312 246 220	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2 14.2 13.5 15.9 15.3	2.2 2.2 3.8 1.7 2.4 1.9 14 41	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 < < < < < < <		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 910 490	2,400 2,000 2,400 1,000 1,000 440 370 320 770 1,700 770 >2,400 1,300 500 2,000 2,400 12,000 200,000 >2,400	0.12 0.12 0.18 0.18 0.22 0.21 0.18 0.16 0.16 0.16 0.17	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 04-03-2017 04-03-2017 05-23-2017 05-23-2017 06-05-2017 07-05-2017 07-05-2017 07-12-2017 07-12-2017 08-02-2017	613 597 606 599 600 600 605 615 612	15 15 17 20 E14 17 14 15 9,9 11 10 14 19 18 30 34 28 13	6.0 9.6 9.6 10.6 11.5 10.3 9.7 9.7 8.3 8.4 7.6 8.2	8.2 	292 296 270 345 336 3322 338 344 341 376 361 353 310 250 230 206 312 246 220	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7 6.3 6.8 6.7 13.2 14.2 15.3 14.2	2.2 2.2 3.8 1.7 2.4 1.8 1.9 14 11	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 910 14,000 490 200	2,400 2,000 2,000 2,400 1,000 440 370 320 1,700 770 1,700 770 2,2400 1,300 500 2,000 >2,400 12,000 200,000 >2,400 >2,400 >2,400	0.12 0.18 0.18 0.22 0.21 0.21 0.16 0.16 0.17 0.11	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-06-2017 04-03-2017 04-03-2017 05-02-2017 06-05-2017 06-05-2017 07-05-2017 07-05-2017 07-05-2017 07-05-2017 07-05-2017 07-05-2017		15 15 17 20 E14 17 14 15 9.9 11 10 14 19 18 30 34 28 13 87 	6.0 9.6 	8.2 	292 296 270 345 336 332 338 344 341 376 361 353 310 206 230 206 220 220	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7 6.3 6.8 6.7 13.2 14.2 13.9	2.2 2.2 3.8 1.7 2.4 1.9 14 11 11 11	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 < < < < < < <		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 910 14,000 490 200	2,400 2,000 2,400 1,000 1,000 440 370 320 1,700 770 1,700 770 2,400 1,300 500 2,000 >2,400 12,000 20,000 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400 >2,400	0.12 0.12 0.18 0.18 0.22 0.20 0.21 0.18 0.16 0.17 0.11 0.11	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-21-2017 04-25-2017 05-02-2017 05-02-2017 06-05-2017 06-05-2017 07-12-2017 07-19-2017 08-02-2017		15 15 17 20 E14 17 14 15 9.9 11 10 14 19 18 30 34 28 13 87 35 40 27	6.0 9.6 	8.2 	292 296 270 345 336 3322 338 344 342 341 376 361 353 353 310 250 206 312 246 220 157	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2 14.2 13.9 13.9 13.2	2.2 2.2 3.8 1.7 2.4 1.9 1.4 1.1 5.6	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 110 14,000 490 200 220 390	2,400 2,000 2,400 1,000 1,000 440 370 320 1,770 1,770 2,400 1,300 500 2,000 2,400 12,000 12,000 22,400	0.12 0.12 0.18 0.22 0.20 0.18 0.16 0.16 0.17 0.11 0.13	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 04-03-2017 04-03-2017 05-23-2017 06-05-2017 07-05-2017 07-05-2017 07-12-2017 07-12-2017 08-02-2017 08-02-2017 08-02-2017 09-10-2017 09-10-2017 09-10-2017 09-10-2017	613 597 606 599 600 600 609 615 612 616	15 15 17 20 E14 17 14 15 9,9 11 10 14 19 18 30 34 28 13 87 	6.0 9.6 9.6 10.6 11.5 10.3 10.6 9.7 9.7 8.3 8.4 7.6 8.2 8.6	8.2 	292 296 270 345 336 3322 338 344 341 376 361 353 310 250 230 246 220 257 157 186	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 0.4 4.5 7 6.3 6.8 6.7 13.2 14.2 13.5 15.9 15.3 14.2 13.9 13.2 8.8	2.2 2.2 3.8 4.7 1.7 2.4 4.1 1.9 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 < < < < < < <		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 910 14,000 200 220 390	2,400 2,000 2,000 2,400 1,000 370 320 1,700 770 1,700 770 1,300 500 2,400	0.12 0.12 0.18 0.18 0.22 0.21 0.18 0.16 0.17 0.11 0.11 0.13	rc
FOUNTAIN CREEK NEAR COLORADO SPRINGS, CO.	10-20-2016 11-02-2016 11-02-2016 11-02-2016 12-05-2016 12-05-2016 12-19-2016 01-03-2017 01-19-2017 02-07-2017 03-06-2017 03-21-2017 04-25-2017 05-02-2017 05-02-2017 06-05-2017 06-05-2017 07-12-2017 07-19-2017 08-02-2017		15 15 17 20 E14 17 14 15 9.9 11 10 14 19 18 30 34 28 13 87 35 40 27	6.0 9.6 	8.2 	292 296 270 345 336 3322 338 344 342 341 376 361 353 353 310 250 206 312 246 220 157	Nov - Mar = 13.0 6.8 4.9 7.7 4.4 3.2 -0.1 0.4 4.5 7.8 3.2 6.4 7 6.3 6.8 6.7 13.2 14.2 13.9 13.9 13.2	2.2 2.2 3.8 1.7 2.4 1.9 1.4 1.1 5.6	<0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		190 120 110 61 57 45 22 250 22 35 14 36 54 110 78 56 260 110 110 14,000 490 200 220 390	2,400 2,000 2,400 1,000 1,000 440 370 320 1,770 1,770 2,400 1,300 500 2,000 2,400 12,000 12,000 22,400	0.12 0.12 0.18 0.22 0.20 0.18 0.16 0.16 0.17 0.11 0.13	rc

SOUTHERN DELIVERY SYSTEM PERMIT COMPLIANCE ANNUAL REPORT, CALENDAR YEAR 2017

		Barometric		Dissolved		Specific			Total Ammonia	١,				
Location	Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium note
Standards (if applicable)			·	5.0	6.5-9.0		Mar - Nov = 28.6 Dec - Feb = 25.2	•	See note		126		4.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	10-04-2016	604	48	8.8	8.3	707	13.5	45	0.03	n	440	>2,400	2.5	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	10-20-2016		32			763	8.4				170	>2,400		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	11-03-2016	619	44	8.8	8.4	660	14.3	11	0.03	n	180	>2,400	2.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	11-21-2016 12-05-2016	601	35 53	9.2	8.2	695 641	6.8 8.1	22	0.18		180 140	2,000	2.7	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	12-19-2016		40	9.2		950	5.2		0.16		110	>2,400	2.7	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	01-04-2017	602	30	9.7	8.2	679	5.9	9.1	0.11		93	1,700	2.9	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	01-19-2017		25			774	2.2				53	330		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	02-06-2017	601	45	9.3	8.1	626	8.4	35	1.30		42	1,400	2.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	02-21-2017	-	57			665	7.8				74	1,100		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	03-07-2017	611	36	9.1	8.3	648	10.7	19	0.07		18	1,600	2.7	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	03-21-2017		34			685	11.6				100	>2,400		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	04-06-2017	614	93	9.5	7.9	638	9.2	58	<0.02		88	2,400	2.0	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	04-25-2017		43			632	9				120	2,000		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	05-01-2017	608	77	7.5	8.3	657	17.7	48	0.28		37	1,700	1.9	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	05-23-2017		153			386	11.2				870	>2,400		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	06-06-2017	616	75	7.6	8.3	468	18.9	23	<0.02		91	2,400	1.8	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS. CO	06-06-2017 06-20-2017	614	872 38	8.2	8	213 556	14.5 25.9	840			12,000 360	160,000 4,400	1.0	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	07-05-2017	618	34	7.0	8.6	602	25.9	19	0.18		290	24.000	2.4	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	07-03-2017	618	665	7.4	8.5	201	18.1		0.18		17,000	>24,000	0.99	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	07-13-2017	618	005	7.4	8.1	470	24.3				820	>240,000	0.99	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	08-01-2017	618	E58	6.8	8.4	569	25.6	31	0.02	n	260	13.000	2.6	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	08-24-2017					610	21.1			"	770	>2.400		
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	09-12-2017	616	52	7.0	8.5	658	25	18	<0.02		920	>2,400	2.4	
MONUMENT CREEK AT BIJOU ST. AT COLO. SPRINGS, CO	09-20-2017		30			774	12.5				170	>2,400		
							-					,		
							Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		4.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	10-05-2016	610	57	9.4	8.3	665	9.8	7.3	<0.02		200	>2,400	2.2	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	10-20-2016	610	47	9.4	0.3	686	8.3	7.5			130	>2,400		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	11-03-2016	622	53	10.1	8.1	644	7.8	5.3	<0.02		1,100	2,400	2.4	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	11-21-2016		55			620	6.7				180	2,000		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	12-06-2016	608	49	10.9	8.1	687	1.5	15	0.05		93	2,400	3.1	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	12-19-2016		59			914	1.8				56	2,400		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	01-04-2017	604	28	10.8	8	777	1.4	6.9	0.05		26	1,000	3.5	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	01-19-2017		42			678	2.3				42	520		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	02-07-2017	604	77	9.6	8.1	643	6.6	60	0.20		91	1,300	2.7	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	02-21-2017		47		-	641	8.3				13	410		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	03-07-2017	613	34	10.6	8.1	743	5.1	22	0.06		33	340	3.5	
	03-21-2017		48			679	11.7				79	920		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO						1		100	<0.02		91	>2,400	1.9	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-06-2017	616	96	9.0	8	628	11.1							
FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017		59			620	9.4				150	>2,400		
FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017	 610	59 77	7.7	 8.3	620 635	9.4 16.5	 35	0.12		200	>2,400	1.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017	 610 	59 77 215	7.7	8.3 	620 635 382	9.4 16.5 11.5	35 	0.12		200 1,100	>2,400 >2,400	1.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017	610 618	59 77 215 136	7.7 7.9	8.3 8.3	620 635 382 425	9.4 16.5 11.5 17.4	 35 32	0.12 <0.02		200 1,100 72	>2,400 >2,400 >2,400	1.8 1.3	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017	610 618 616	59 77 215 136 773	7.7 7.9 8.1	8.3 8.3 8.1	620 635 382 425 230	9.4 16.5 11.5 17.4 14.5	35 32 820	0.12		200 1,100 72 11,000	>2,400 >2,400 >2,400 >2,400 200,000	1.8 1.3 1.1	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 06-20-2017	610 618 616	59 77 215 136 773 81	7.7 7.9 8.1	8.3 8.3 8.1	620 635 382 425 230 459	9.4 16.5 11.5 17.4 14.5 24.2	35 32 820	0.12 <0.02 		200 1,100 72 11,000 97	>2,400 >2,400 >2,400 200,000 4,400	1.8 1.3 1.1	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 06-20-2017 07-05-2017	610 618 616 621	59 77 215 136 773 81 56	7.7 7.9 8.1 6.8	8.3 8.3 8.1 8.5	620 635 382 425 230 459 604	9.4 16.5 11.5 17.4 14.5 24.2 25.5	35 32 820 13	0.12 <0.02 0.09	@c	200 1,100 72 11,000 97 250	>2,400 >2,400 >2,400 >2,400 200,000 4,400 9,200	1.8 1.3 1.1 2.1	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 06-20-2017 07-05-2017 07-15-2017	610 618 616 621 619	59 77 215 136 773 81 56	7.7 7.9 8.1 6.8 7.3	8.3 8.3 8.3 8.1 8.5 8.1	620 635 382 425 230 459 604	9.4 16.5 11.5 17.4 14.5 24.2 25.5 19.8	35 32 820 13	0.12 <0.02 0.09	@c	200 1,100 72 11,000 97 250 12,000	>2,400 >2,400 >2,400 200,000 4,400 9,200 >240,000	1.8 1.3 1.1 2.1 0.83	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 06-20-2017 07-05-2017 07-15-2017 07-19-2017	610 618 616 621 619	59 77 215 136 773 81 56	7.7 7.9 8.1 6.8 7.3	8.3 8.3 8.1 8.5 8.1	620 635 382 425 230 459 604 195	9.4 16.5 11.5 17.4 14.5 24.2 25.5 19.8 24.5	35 32 820 13 	0.12 <0.02 0.09 	@c	200 1,100 72 11,000 97 250 12,000 560	>2,400 >2,400 >2,400 200,000 4,400 9,200 >240,000 >24,000	1.8 1.3 1.1 2.1 0.83	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 07-05-2017 07-15-2017 07-19-2017 08-02-2017	610 	59 77 215 136 773 81 56	7.7 7.9 8.1 6.8 7.3	8.3 8.3 8.3 8.1 8.5 8.1	620 635 382 425 230 459 604 195 453 470	9.4 16.5 11.5 17.4 14.5 24.2 25.5 19.8 24.5 18.6	35 32 820 13	0.12 <0.02 0.09	@c	200 1,100 72 11,000 97 250 12,000 560 210	>2,400 >2,400 >2,400 >2,400 200,000 4,400 9,200 >240,000 >24,000 >2,400	1.8 1.3 1.1 2.1 0.83 1.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-03-2017 06-06-2017 06-06-2017 06-06-2017 07-05-2017 07-15-2017 07-19-2017 08-02-2017 08-02-2017	610 	59 77 215 136 773 81 56 93	7.7 7.9 8.1 6.8 7.3 7.8	8.3 8.3 8.1 8.5 8.1 8.2	620 635 382 425 230 459 604 195 453 470 506	9.4 16.5 11.5 17.4 14.5 24.2 25.5 19.8 24.5 18.6 18.2	35 32 820 13 16	0.12 <0.02 0.09 <0.02		200 1,100 72 11,000 97 250 12,000 560 210 380	>2,400 >2,400 >2,400 >200,000 4,400 9,200 >240,000 >24,000 >2,400 >2,400	1.8 1.3 1.1 2.1 0.83 1.8	
FOUNTAIN CREEK AT COLORADO SPRINGS, CO	04-25-2017 05-01-2017 05-23-2017 06-06-2017 06-06-2017 07-05-2017 07-15-2017 07-19-2017 08-02-2017	610 	59 77 215 136 773 81 56 	7.7 7.9 8.1 6.8 7.3 7.8	8.3 8.3 8.1 8.5 8.1	620 635 382 425 230 459 604 195 453 470	9.4 16.5 11.5 17.4 14.5 24.2 25.5 19.8 24.5 18.6	35 32 820 13 16	0.12 	@c	200 1,100 72 11,000 97 250 12,000 560 210	>2,400 >2,400 >2,400 >2,400 200,000 4,400 9,200 >240,000 >24,000 >2,400	1.8 1.3 1.1 2.1 0.83 1.8	

<u> </u>		Barometric		Dissolved		Specific		-	Total Ammonia	1,				
Location	Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium not
Standards (if applicable)				5.0	6.5-9.0		Mar - Nov = 28.6 Dec - Feb = 25.2		See note		126		4.8	
OUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	10-05-2016	611	100	8.7	8	746	13	7.2	0.04	n	170	>2.400	2.7	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	10-03-2016	011	96	0.7		744	14.4	1.2	0.04	"	150	>2,400	2.7	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	11-03-2016	623	103	9.0	8	706	12.6	6.4	0.74		210	>2,400	2.6	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	11-21-2016		114			672	12.7				120	2,400		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	12-06-2016	610	86	9.5	7.9	746	8.5	8.3	0.10		150	>2,400	3.1	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	12-19-2016		109		7.5	839	7.2				150	2,400		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	01-04-2017	608	81	9.4	7.8	773	8.1	6.6	0.06		220	2,400	3.0	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	01-19-2017		98			806	8.9				99	1,600		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	02-07-2017	607	90	9.5	7.8	694	10	9.0	0.11		84	1,700	2.6	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	02-21-2017		95			694	12.9				50	1,300		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	03-07-2017	615	85	9.6	7.9	733	9.9	7.6	0.06		100	2,400	3.0	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	03-21-2017		87			721	15.4				62	1,700		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	04-06-2017	617	123	8.4	8	687	15	48	0.04	n	67	>2,400	2.3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	04-25-2017	-	85			699	13.4				1,200	>2,400		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	05-02-2017	614	121	9.0	7.8	645	11.4	19	0.23		63	1,700	2.3	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	05-23-2017		248			446	13.2				550	>2,400		
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	06-06-2017	619	177	8.3	8.1	475	16.1	19	0.11		78	>2,400	1.7	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	06-06-2017	617	921	8.3	8.1	242	14.5	800			9,600	>240,000	1.1	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	06-20-2017		123			591	23.7				97	7,700	-	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	07-05-2017		95	7.3	8.2	668	21.6	6.2	0.65		290	13,000	2.4	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	07-19-2017					506	25.4				560	>24,000	-	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	08-02-2017	620	131	7.9	8.1	568	18.3	11	0.04	n	330	>2,400	2.1	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	08-24-2017		-			615	18.9				360	>2,400	-	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	09-11-2017		119	7.4	8.1	633	20.9	32	0.04	n	>2,400	>2,400	2.1	d
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	09-20-2017		82			693	15.8	-	-		140	>2,400	-	
FOUNTAIN CR BLW JANITELL RD BLW COLO. SPRINGS, CO	09-23-2017	612	2,550	8.7	7.9	214	11.3	610			21,000	>240,000	0.98	
							Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		4.8	
Standards (ii applicable)				3.0	0.3-3.0		Dec - Feb - 23.2		See note		120		4.0	
FOUNTAIN CREEK AT SECURITY, CO	10-06-2016	617	94	8.7	8.1	793	11.3	12	0.22		160	>2,400	3.1	
FOUNTAIN CREEK AT SECURITY, CO	10-20-2016		97			807	12.4				100	2,000	-	
FOUNTAIN CREEK AT SECURITY, CO	11-03-2016	628	94	9.1	8.3	766	13.1	13	0.46		91	>2,400	3.2	
FOUNTAIN CREEK AT SECURITY, CO	11-21-2016		91			754	11.5				64	>2,400		
FOUNTAIN CREEK AT SECURITY, CO	12-06-2016	613	112	10.0	8.1	800	4.2	18	0.39		64	>2,400	3.5	
FOUNTAIN CREEK AT SECURITY, CO	12-20-2016		121			987	6.3				120	>2,400		
FOUNTAIN CREEK AT SECURITY, CO	01-04-2017	610	100	9.7	8.2	824	5.9	14	0.50		52	1,700	3.4	
FOUNTAIN CREEK AT SECURITY, CO	01-20-2017		106			847	6				130	980		
FOUNTAIN CREEK AT SECURITY, CO	02-02-2017	622	94	10.1	7.9	794	2.8	13	0.56		190	770	3.2	d
FOUNTAIN CREEK AT SECURITY, CO	02-22-2017		78			758	7.5				62	920		
FOUNTAIN CREEK AT SECURITY, CO	03-08-2017	620	78	10.4	8.1	780	6.9	9.2	0.43		35	690	3.4	
FOUNTAIN CREEK AT SECURITY, CO	03-21-2017		94			668	16.1				52	2,000		
FOUNTAIN CREEK AT SECURITY, CO	04-06-2017	621	162	7.9	8.2	760	16.7	74	0.16		27	>2,400	2.7	
FOUNTAIN CREEK AT SECURITY, CO	04-25-2017		97			764	14.1				56	2,000		
FOUNTAIN CREEK AT SECURITY, CO	05-03-2017	622	184	8.7	8.2	694	12.4	52	0.20		120	>2,400	3.0	
FOUNTAIN CREEK AT SECURITY, CO	05-23-2017		305			484	15				370	>2,400		
FOUNTAIN CREEK AT SECURITY, CO	06-06-2017	622	225	7.6	8.3	526	17.8	44	0.14		78	>2,400	2.1	d
FOUNTAIN CREEK AT SECURITY, CO	06-20-2017		130			632	24.9			1	41	3,700		
FOUNTAIN CREEK AT SECURITY, CO	07-05-2017	624	103	6.7	8.6	733	27.4	16	0.27		130	7,700	3.0	
FOUNTAIN CREEK AT SECURITY, CO	07-19-2017					505	27.9				390	>24,000		
FOUNTAIN CREEK AT SECURITY, CO	08-09-2017	623	363	7.0	8.3	562	20.7	110	0.13		660	>24,000	2.0	
FOUNTAIN CREEK AT SECURITY, CO	08-24-2017		184			649	16.4			1	370	>2,400		1
		623	139	6.5	8.4	712	24.8	29	0.25		580	>2,400	2.8	
FOUNTAIN CREEK AT SECURITY, CO	09-12-2017	023		0.5	0.4	/12	24.0	23						
	09-12-2017		96			781	14.8				98	>2,400		

		Barometric		Dissolved		Specific			Total Ammonia	١,				
Location	Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium not
		-			•		Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		4.8	
Standards (ii applicable)				3.0	0.3-3.0		Dec - reb - 23.2		See note		120		4.0	
OUNTAIN CREEK NEAR FOUNTAIN. CO.	10-06-2016	624	123	8.4	8.2	964	16.2	16	0.03	n	59	>2.400	3.8	
OUNTAIN CREEK NEAR FOUNTAIN, CO.	10-20-2016	024	123	0.4	0.2	984	14.3		0.03	"	99	>2,400	5.0	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	11-07-2016	631	148	9.1	8.2	908	11.8	30	0.19		31	>2,400	3.5	d
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	11-21-2016	031	152	9.1	0.2	915	12.5		0.19		21	2,400	5.5	u
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	12-07-2016	626	141	10.8	8.1	934	2.3	29	0.09		54	>2,400	3.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	12-20-2016		137	10.6	0.1	1.060	7.9		0.09		26	>2,400	5.0	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	01-10-2017	618	144	9.6	8.2	1,110	7.4	33	0.14		52	1,700	3.7	d
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	01-20-2017		137	9.6		966	5.3				55	820	5.7	u
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	02-02-2017	626		10.8		933	2.1	19	0.05		56	690	3.7	d
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	02-02-2017		89	10.8	8	899	9.6		0.05		13	550	3.7	ū
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	03-08-2017	625	E101	9.2	8.4	910	13.2	13	0.02	n	2	330 >2,400	3.8	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	03-21-2017		55			784	19.9				44	,		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	04-07-2017	624	E148	8.9	8.2	867	11.7	62	<0.02		36	>2,400	3.4	d
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	04-25-2017		E134			894	14.6				36	2,400		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	05-04-2017	630	197	8.4	8.2	812	14.8	40	<0.02		41	>2,400	3.2	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	05-24-2017		244	-		645	22.3				70	>2,400		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	06-08-2017	627	218	7.3	8.2	632	20.3	95	<0.02		240	17,000	2.5	d
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	06-20-2017		99			801	26.6				150	3,700		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	07-06-2017	632	88	7.0	8.3	887	24.8	15	0.05		140	11,000	3.5	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	07-20-2017					739	25.2				270	>24,000		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	08-09-2017	629	443	6.9	8.4	668	22.1	140	<0.02		1,200	>24,000	2.3	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	08-23-2017		213			845	21.1				110	6,100		
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	09-07-2017	630	130	7.3	8.3	902	23	15	<0.02	+c	46	>2,400	3.5	
FOUNTAIN CREEK NEAR FOUNTAIN, CO.	09-20-2017		68			976	19.7				28	2,000		
							Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		4.8	
FOUNTAIN CREEK NEAR PINON, CO	10-06-2016	632	72	8.1	8.3	1,020	16.9	40	< 0.02		140	>2,400	3.9	
FOUNTAIN CREEK NEAR PINON, CO	10-19-2016		103			566	13.7				190	>2,400		
FOUNTAIN CREEK NEAR PINON, CO	11-07-2016	639	131	9.0	8.3	1,000	13.1	76	< 0.02		99	>2,400	3.8	
FOUNTAIN CREEK NEAR PINON, CO	11-21-2016		150			977	12.1				55	>2,400		
FOUNTAIN CREEK NEAR PINON, CO	12-07-2016	634	153	11.1	8.2	1,010	1.4	100	0.07		86	>2,400	4.1	
FOUNTAIN CREEK NEAR PINON, CO	12-21-2016		126			1,310	7.3				180	>2,400		
FOUNTAIN CREEK NEAR PINON, CO	01-10-2017	625	153	9.7	8.3	1,190	7.2	130	0.09		89	>2,400	4.3	d
FOUNTAIN CREEK NEAR PINON, CO	01-19-2017		153			1,030	1.6				40	1,700		
FOUNTAIN CREEK NEAR PINON, CO	02-02-2017	634	129	11.0	8.1	1,010	2.1	60	0.04	n	30	1,400	4.1	d
FOUNTAIN CREEK NEAR PINON, CO	02-23-2017		126			1,010	4.7				23	>2,400		
	03-08-2017	633	120	8.6	8.2	1,010	14.5	50	0.02	n	6	340	4.9	
	03-20-2017		80			1.020	19				22	>2.400		
FOUNTAIN CREEK NEAR PINON, CO					8.3	965	13.2	92	<0.02		41	2,400	4.2	d
FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO		625	143	8.4							10		4	
FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO	04-03-2017	625 638	143	8.4				110						
FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017	638	150	7.7	8.3	939	19.9	110	<0.02			1,600		
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017	638	150 213	7.7	8.3	939 753	19.9 22.3			n	120	>2,400		
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017	638 635	150 213 215	7.7 7.0	8.3 8.4	939 753 729	19.9 22.3 24.1	 190	0.02	n	120 630	>2,400	2.7	d
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017 07-06-2017	638 635 640	150 213 215 44	7.7 7.0 6.6	8.3 8.4 8.4	939 753 729 1,020	19.9 22.3 24.1 28.2	 190 40	 0.02 <0.02	n	120 630 52	>2,400 20,000 5,500	 2.7 4	d
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017 07-06-2017 07-20-2017	638 635 640 	150 213 215 44	7.7 7.0 6.6	8.3 8.4 8.4	939 753 729 1,020 755	19.9 22.3 24.1 28.2 27.7	190 40	 0.02 <0.02 		120 630 52 620	>2,400 20,000 5,500 >24,000	2.7 4	d
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017 07-06-2017 07-20-2017 08-10-2017	638 635 640 636	150 213 215 44 E605	7.7 7.0 6.6 6.8	8.3 8.4 8.4	939 753 729 1,020 755 723	19.9 22.3 24.1 28.2 27.7 23.8	190 40 700	 0.02 <0.02	n	120 630 52 620	>2,400 20,000 5,500 >24,000	2.7 4 2.8	d
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017 07-06-2017 07-20-2017 08-10-2017 08-23-2017	638 635 640 636	150 213 215 44 E605 163	7.7 7.0 6.6 6.8	8.3 8.4 8.4 8.1	939 753 729 1,020 755 723 902	19.9 22.3 24.1 28.2 27.7 23.8 24.8	190 40 700	 0.02 <0.02 0.02		120 630 52 620 130	>2,400 20,000 5,500 >24,000 11,000	2.7 4 2.8	d
FOUNTAIN CREEK NEAR PINON, CO	04-03-2017 05-04-2017 05-24-2017 06-08-2017 07-06-2017 07-20-2017 08-10-2017	638 635 640 636	150 213 215 44 E605	7.7 7.0 6.6 6.8	8.3 8.4 8.4	939 753 729 1,020 755 723	19.9 22.3 24.1 28.2 27.7 23.8	190 40 700	 0.02 <0.02 		120 630 52 620	>2,400 20,000 5,500 >24,000	2.7 4 2.8	d

		Barometric		Dissolved		Specific			Total Ammonia	,				
Location	Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium n
			·		-		Mar - Nov = 28.6	· · · · · · · · · · · · · · · · · · ·	-					
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		28.1	
Standards (II applicable)				3.0	0.3-3.0		Dec - reb - 23.2		Jee note		120		20.1	
FOUNTAIN CREEK AT PUEBLO, CO.	10-03-2016	631	100	7.5	8.4	1,130	21.8	100	<0.02		450	12.000	9.2	
FOUNTAIN CREEK AT PUEBLO, CO.	10-17-2016		102	7.5		1,140	15				180	>2,400	J.E	
FOUNTAIN CREEK AT PUEBLO, CO.	11-08-2016	651	145	10.0	8.3	1,080	7.1	89	<0.02		110	>2,400	7.8	
FOUNTAIN CREEK AT PUEBLO, CO.	11-21-2016		156			1,050	11.6				54	>2,400		
FOUNTAIN CREEK AT PUEBLO, CO.	12-08-2016	648	152	11.6	8.2	1,100	0.1	120	0.04	n	34	>2,400	7.8	
FOUNTAIN CREEK AT PUEBLO, CO.	12-08-2010		195		6.2	1,120	5.7		0.04	- "	88	>2,400	7.6	
FOUNTAIN CREEK AT PUEBLO, CO.	01-09-2017	636	183	10.5	8.3	1,120	2.1	110	0.07		29	>2,400	7.6	d
FOUNTAIN CREEK AT PUEBLO, CO.	01-18-2017		160			1.110	2				37	1.400		u
FOUNTAIN CREEK AT PUEBLO, CO.	02-01-2017	640	179	10.3	8.5	1,110	7.1	73	<0.02		8	490	8.3	rdc
FOUNTAIN CREEK AT PUEBLO, CO.	02-01-2017	640	152	10.5	6.5	1,070	7.1		<0.02		10	>2.400	0.5	TUC
FOUNTAIN CREEK AT PUEBLO, CO.	03-09-2017	642	135	11.0	8.2	1,070	4.2	46	<0.02		19	520	7.9	
<u> </u>			132		8.2	,	18.2				22			
FOUNTAIN CREEK AT PUEBLO, CO.	03-20-2017					1,100						380		
FOUNTAIN CREEK AT PUEBLO, CO.	04-10-2017	642	259	10.3	8.2	1,040	5.6	92	<0.02		23	960	7.4	d
FOUNTAIN CREEK AT PUEBLO, CO.	05-03-2017	644	230	8.7	8.3	1,030	13.2	210	<0.02		170	2,400	7.6	
FOUNTAIN CREEK AT PUEBLO, CO.	05-24-2017		264		-	856	20.3				66	>2,400		
FOUNTAIN CREEK AT PUEBLO, CO.	06-09-2017	638	217	7.5	8.4	809	19.9	350	<0.02		560	>24,000	5.2	d
FOUNTAIN CREEK AT PUEBLO, CO.	07-05-2017	645	46	6.4	8.6	1,150	29.6	35	0.02	n	75	4,900	10.8	d
FOUNTAIN CREEK AT PUEBLO, CO.	07-20-2017					835	30.8				220	20,000		
FOUNTAIN CREEK AT PUEBLO, CO.	08-03-2017	648		7.5	8.4	947	22.2	130	<0.02				6.3	
FOUNTAIN CREEK AT PUEBLO, CO.	08-23-2017					941	27.8				120	2,000		
FOUNTAIN CREEK AT PUEBLO, CO.	09-06-2017	647	138	7.7	8.5	1,040	23.1	83	<0.02		130	>2,400	8.2	d
FOUNTAIN CREEK AT PUEBLO, CO.	09-21-2017					1,130	22.5				36	>2,400		
							Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2				126		14.1	
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		14.1	
ARKANSAS RIVER NEAR AVONDALE, CO.	10-03-2016	637	335	8.3	8.3	938	17.3	36	<0.02		170	11.000	12.7	d
ARKANSAS RIVER NEAR AVONDALE, CO.	10-17-2016		358			890	16.5				460	>2,400		_
ARKANSAS RIVER NEAR AVONDALE, CO.	11-08-2016	655	361	9.8	8.3	954	9.8	36	<0.02		180	>2,400	13.7	d
ARKANSAS RIVER NEAR AVONDALE, CO.	11-22-2016		405			945	9.4				2,400	>2,400		ŭ.
ARKANSAS RIVER NEAR AVONDALE, CO.	12-08-2016	652	361	11.9	8.2	1,050	1.6	37	0.04	n	34	>2,400	14.4	d
ARKANSAS RIVER NEAR AVONDALE, CO.	12-21-2016		365			1,070	2.8			"	150	>2,400		u
ARKANSAS RIVER NEAR AVONDALE, CO.	01-09-2017	640	331	11.3	8.2	1,050	1.6	70	0.07		61	>2,400	13.9	d
ARKANSAS RIVER NEAR AVONDALE, CO.	01-03-2017		350			1,040	3.4				260	1.700		u
	01-1/-201/		335	10.9	8.1	1,040	4.2	44	<0.02		260	490	14.1	d
	02 01 2017	647							<0.02			650		u
ARKANSAS RIVER NEAR AVONDALE, CO.	02-01-2017	647				1 060					27			
ARKANSAS RIVER NEAR AVONDALE, CO. ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017		320			1,060	7.6				37			
ARKANSAS RIVER NEAR AVONDALE, CO. ARKANSAS RIVER NEAR AVONDALE, CO. ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017	 645	320 298	10.4	8.2	994	7.6 8.1	35	0.09		19	820	15	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017	 645 	320 298 514	10.4	 8.2 	994 765	7.6 8.1 10.1	35 	0.09		19 310	820 2,400	15 	
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017	645 641	320 298 514 1,310	 10.4 9.3	8.2 8.2	994 765 665	7.6 8.1 10.1 12.5	35 89	0.09 <0.02		19 310 17	820 2,400 2,400	15 9	d d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-20-2017	645 641	320 298 514 1,310 795	10.4 9.3	8.2 8.2	994 765 665 684	7.6 8.1 10.1 12.5 11.6	35 89 	0.09 <0.02 		19 310 17 84	820 2,400 2,400 >2,400	15 9 	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-20-2017 05-08-2017	645 641 642	320 298 514 1,310 795 749	10.4 9.3 8.0	8.2 8.2 8.3	994 765 665 684 678	7.6 8.1 10.1 12.5 11.6 17	35 89 170	0.09 <0.02 <0.02		19 310 17 84 200	820 2,400 2,400 >2,400 >2,400 3,700	15 9 9.7	
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-20-2017 05-08-2017 05-24-2017	645 641 642	320 298 514 1,310 795 749 1,360	9.3 8.0	8.2 8.2 8.3	994 765 665 684 678 654	7.6 8.1 10.1 12.5 11.6 17 12.7	35 89 170	0.09 <0.02 <0.02		19 310 17 84 200 63	820 2,400 2,400 >2,400 >2,400 3,700 >2,400	15 9 9.7 	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-02-2017 05-08-2017 05-24-2017 06-09-2017	645 641 642 642	320 298 514 1,310 795 749 1,360 3,770	10.4 9.3 8.0	8.2 8.2 8.3 8.3	994 765 665 684 678 654 528	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2	35 89 170 100	0.09 <0.02 <0.02 <0.02		19 310 17 84 200 63 120	820 2,400 2,400 >2,400 >2,400 3,700	9 9.7 7.6	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-20-2017 05-08-2017 05-24-2017 06-09-2017 06-22-2017	 645 641 642 642	320 298 514 1,310 795 749 1,360 3,770 5,550	10.4 9.3 8.0 8.4	8.2 8.2 8.3 8.3	994 765 665 684 678 654 528 473	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4	35 89 170 100	0.09 <0.02 <0.02 <0.02		19 310 17 84 200 63 120	820 2,400 2,400 >2,400 3,700 >2,400 >2,400 	9 9.7 7.6	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-20-2017 05-08-2017 05-24-2017 06-09-2017 06-22-2017 07-05-2017		320 298 514 1,310 795 749 1,360 3,770 5,550 1,160	10.4 9.3 8.0 8.4 7.5	8.2 8.2 8.3 8.3	994 765 665 684 678 654 528 473 509	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4 22.6	35 89 170 100 36	0.09 <0.02 <0.02 <0.02 <0.02 0.03	n	19 310 17 84 200 63 120	820 2,400 2,400 >2,400 3,700 >2,400 >2,400 9,200	15 9 9.7 7.6 6.8	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 04-07-2017 04-07-2017 05-08-2017 05-24-2017 06-09-2017 06-22-2017 07-05-2017 07-05-2017	645 	320 298 514 1,310 795 749 1,360 3,770 5,550 1,160	10.4 9.3 8.0 8.4 7.5	8.2 8.2 8.3 8.3 8.8	994 765 665 684 678 654 528 473 509	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4 22.6 24.8	35 89 170 100 36	0.09 <0.02 <0.02 <0.02 <0.02 0.03	n	19 310 17 84 200 63 120 63 210	820 2,400 2,400 3,700 >2,400 >2,400 >2,400 9,200 17,000	15 9 9.7 7.6 6.8	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-07-2017 05-08-2017 05-24-2017 06-09-2017 06-22-2017 07-20-2017 08-03-2017 08-03-2017	645 	320 298 514 1,310 795 749 1,360 3,770 5,550 1,160		8.2 8.2 8.3 8.3	994 765 665 684 678 654 528 473 509 498	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4 22.6 24.8 20.6	35 89 170 100 36 82	0.09 <0.02 <0.02 <0.02 <0.02 0.03	n	19 310 17 84 200 63 120 63 210 250	820 2,400 2,400 >2,400 3,700 >2,400 >2,400 9,200 17,000 >24,000	15 9 9.7 7.6 6.8 4.5	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-07-2017 05-08-2017 05-08-2017 06-09-2017 06-09-2017 07-05-2017 07-20-2017 08-03-2017 08-23-2017	645 	320 298 514 1,310 795 749 1,360 3,770 5,550 1,160 2,420		8.2 8.2 8.3 8.3 8.8	994 765 665 684 678 654 528 473 509 498 403 593	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4 22.6 24.8 20.6 23.6	35 	0.09 <0.02 <0.02 <0.02 <0.02 <0.03 <0.03 <0.02	n	19 310 17 84 200 63 120 63 210 250 230	820 2,400 2,400 >2,400 3,700 >2,400 9,200 17,000 17,000	15 9 9.7 7.6 6.8 4.5	d
ARKANSAS RIVER NEAR AVONDALE, CO.	02-22-2017 03-09-2017 03-20-2017 04-07-2017 04-07-2017 05-08-2017 05-24-2017 06-09-2017 06-22-2017 07-20-2017 08-03-2017 08-03-2017	645 	320 298 514 1,310 795 749 1,360 3,770 5,550 1,160		8.2 8.2 8.3 8.3 8.8	994 765 665 684 678 654 528 473 509 498	7.6 8.1 10.1 12.5 11.6 17 12.7 15.2 16.4 22.6 24.8 20.6	35 89 170 100 36 82	0.09 <0.02 <0.02 <0.02 <0.02 0.03	n	19 310 17 84 200 63 120 63 210 250	820 2,400 2,400 >2,400 3,700 >2,400 >2,400 9,200 17,000 >24,000	15 9 9.7 7.6 6.8 4.5	d

	Barometric		Dissolved		Specific			Total Ammonia	١,				
Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium note
	F	, , , , , , , , , , , , , , , , , , , ,	5.0	6.5-9.0		Mar - Nov = 28.6 Dec - Feb = 25.2		See note		126		28.1	
10-03-2016	633	109	7.5	8.3	1 160	21.6	120	<0.02		310	11 000	9.8	
								<0.02			, , , ,		
									n				
					,				"		,	7.0	
	63/		10.5	8.3				0.18				7.9	d
					,						,		Ü
	640			8.5									
													d
													- u
	641		7.7	8.2			91	<0.02			,	8.1	
	641		6.8	8.4			240	<0.02			,	5.3	d
										230			_
	644		6.8	8.5			110	0.02	n	240	-/	9.6	d
													-
	646	188		8.5				<0.02			,		d
											,		_
	649	107	8.5	8.3			52	<0.02		130	>2,400	8.2	d
		-					-			30	2.400		-
						Mar - Nov = 28.6							
			5.0	6.5-9.0				See note		126		4.8	
										-			
10-04-2016	631	93	8.1	8.5	1.080	17.9	120	<0.02		220	>2.400	5.5	
10-19-2016		98			1,120	17.5				93	>2,400		
11-07-2016	645	137	9.0	8.5	1,080	14.6	110	< 0.02		120	2,400		
11-21-2016	-	138										5.4	
12-07-2016	641				1,040	11.9				53	>2,400	5.4	
		164	11.4			11.9				53	, , , ,		
12-21-2016		164 157	11.4	8.2	1,040 1,080 1,110			0.05			>2,400 >2,400 >2,400		
12-21-2016 01-10-2017				8.2	1,080	11.9 2	 110	0.05	n	53 41	>2,400	 6	d
		157		8.2	1,080 1,110	11.9 2 6.4	 110 	0.05	n	53 41 88	>2,400 >2,400	 6 	d
01-10-2017	632	157 187	 9.9	8.2 8.2	1,080 1,110 1,220	11.9 2 6.4 6.7	 110 210	0.05 0.02	n	53 41 88 96	>2,400 >2,400 >2,400	 6 5.7	d
01-10-2017 01-19-2017	 632 	157 187 181	 9.9 	8.2 8.2 	1,080 1,110 1,220 1,100	11.9 2 6.4 6.7 3.3	110 210	0.05 0.02 	n	53 41 88 96 38	>2,400 >2,400 >2,400 2,000	 6 5.7	d
01-10-2017 01-19-2017 02-06-2017	 632 629	157 187 181 164	9.9 9.4	8.2 8.2 8.3	1,080 1,110 1,220 1,100 1,040	11.9 2 6.4 6.7 3.3 9.3	 110 210 96	0.05 0.02 <0.02	n	53 41 88 96 38 15	>2,400 >2,400 >2,400 >2,400 2,000 570	5.7 5.5	d
01-10-2017 01-19-2017 02-06-2017 02-23-2017	632 629	157 187 181 164 150	9.9 9.4 	8.2 8.2 8.3	1,080 1,110 1,220 1,100 1,040 1,060	11.9 2 6.4 6.7 3.3 9.3 6.8	 110 210 96	0.05 0.02 <0.02	n	53 41 88 96 38 15	>2,400 >2,400 >2,400 >2,400 2,000 570 >2,400	5.7 5.5	d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017	632 629 640	157 187 181 164 150 137	9.9 9.4 9.3	8.2 8.2 8.3 8.4	1,080 1,110 1,220 1,100 1,040 1,060 1,050	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2	 110 210 96 53	0.05 0.02 <0.02 <0.02	n	53 41 88 96 38 15 10	>2,400 >2,400 >2,400 2,400 2,000 570 >2,400 280	 6 5.7 5.5 5.7	d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017	632 629 640	157 187 181 164 150 137 119	9.9 9.4 9.3	8.2 8.2 8.3 8.4	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2	 110 210 96 53	0.05 0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1	>2,400 >2,400 >2,400 2,000 570 >2,400 280 690	5.7 5.7 5.5	
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017	632 629 640 638	157 187 181 164 150 137 119 236	9.9 9.4 9.3 8.8	8.2 8.2 8.3 8.4 8.3	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7	 110 210 96 53 160	0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 16 29	>2,400 >2,400 >2,400 2,000 570 >2,400 280 690 >2,400	 6 5.7 5.5 5.7 4.9	
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017	632 629 640 638	157 187 181 164 150 137 119 236 144	9.9 9.4 9.3 8.8	8.2 8.2 8.3 8.4 8.3	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000 1,010	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9	 110 210 96 53 160	0.05 0.02 <0.02 <0.02 <0.02 <0.02 < < < < < < < < <	n	53 41 88 96 38 15 10 1 16 29 68	>2,400 >2,400 >2,400 2,000 570 >2,400 280 690 >2,400 >2,400 >2,400	5.5 5.7 5.5 4.9	d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017 05-08-2017	632 	157 187 181 164 150 137 119 236 144 174	9.9 9.4 9.3 8.8	8.2 	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000 1,010 977	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 16.9	110 	0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 16 29 68	>2,400 >2,400 >2,400 2,000 570 >2,400 280 690 >2,400 >2,400 1,900	5.7 	d
01-10-2017 01-19-2017 02-06-2017 02-03-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017 05-08-2017 05-24-2017	632 	157 187 181 164 150 137 119 236 144 174 272	9.9 9.4 9.3 8.8 8.3	8.2 8.2 8.3 8.4 8.3 8.2	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000 1,010 977 828	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 16.9 21.3	 110 210 96 53 160 92	0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 < < <	n	53 41 88 96 38 15 10 1 16 29 68 85 76	>2,400 >2,400 >2,400 >2,000 570 >2,400 2,800 690 >2,400 >2,400 >2,400 >1,900 >2,400	5.7 5.5 5.5 4.9 	d d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017 05-08-2017 05-24-2017 06-08-2017	632 	157 187 181 164 150 137 119 236 144 174 272 242	9.9 9.4 9.3 8.8 8.8 6.8	8.2 	1,080 1,110 1,220 1,100 1,040 1,050 912 1,000 1,010 977 828 776	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 16.9 21.3 25.3		0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 1 16 29 68 85 76	>2,400 >2,400 >2,400 2,000 570 280 690 >2,400 >2,400 1,900 24,000		d d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017 05-08-2017 06-08-2017 06-08-2017	629 	157 187 181 164 150 137 119 236 144 174 272 242 57	9.9 9.4 9.3 8.8 8.3	8.2 8.2 8.3 8.4 8.3 8.2 	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000 1,010 977 828 776 1,010	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 16.9 21.3 25.3 26.6		0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 16 29 68 85 76 430	>2,400 >2,400 >2,400 2,000 570 >2,400 280 690 >2,400 >2,400 1,900 >2,400 24,000 24,000 2,700	5.7 	d d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 04-07-2017 04-07-2017 04-24-2017 05-08-2017 05-08-2017 06-08-2017 06-08-2017 07-03-2017	629 	157 187 181 164 150 137 119 236 144 174 272 242 57	9.9 9.4 9.3 8.8 8.3 7.5	8.2 	1,080 1,110 1,220 1,120 1,040 1,060 1,050 912 1,000 1,010 977 828 828 776 1,010 996	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 21.3 25.3 26.6		0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 16 29 68 85 76 430 74 290	>2,400 >2,400 >2,400 2,000 570 2,400 280 690 >2,400 >2,400 1,900 24,000 24,000 2,700 >244,000		d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-07-2017 04-07-2017 05-08-2017 05-08-2017 06-08-2017 06-22-2017 07-03-2017 07-20-2017		157 187 181 164 150 137 119 236 144 174 272 242 57	9,9 9,4 9,3 8.8 8.3 6.8 7.5	8.2 	1,080 1,110 1,120 1,120 1,100 1,040 1,050 912 1,000 1,010 977 828 776 1,010 996 800	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 16.9 21.3 25.3 26.6 -		0.05	n	53 41 88 96 38 15 10 1 1 16 29 68 85 76 430 74 290 210	>2,400 >2,400 >2,400 2,000 570 280 690 >2,400 >2,400 1,900 24,000 2,700 24,000 >24,000 >24,000 >24,000		d
01-10-2017 01-19-2017 02-06-2017 02-23-2017 03-07-2017 03-21-2017 04-07-2017 04-24-2017 05-08-2017 06-08-2017 06-22-2017 07-03-2017 07-20-2017 08-01-2017		157 187 181 164 150 137 119 236 144 174 272 242 57 101	9.9 9.4 9.3 8.8 6.8 6.8	8.2 	1,080 1,110 1,220 1,100 1,040 1,060 1,050 912 1,000 1,010 977 828 776 1,010 996 818	11.9 2 6.4 6.7 3.3 9.3 6.8 11.2 18.7 14 11.9 21.3 25.3 26.6 29.6 26.1		0.05 0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02	n	53 41 88 96 38 15 10 1 16 29 68 85 76 430 74 290 770	>2,400 >2,400 2,400 2,000 570 >2,400 280 690 >2,400 >2,400 1,900 >2,400 24,000 22,000 224,000 224,000 224,000 >24,000		d
	10-03-2016 10-19-2016 10-19-2016 11-08-2016 11-22-2016 12-08-2016 12-08-2016 12-21-2016 12-09-2017 01-18-2017 02-01-2017 03-09-2017 03-09-2017 04-07-2017 04-24-2017 05-08-2017 05-08-2017 06-08-2017 07-03-2017 07-03-2017 07-03-2017 08-03-2017 09-06-2017 09-06-2017 09-06-2017	Date pressure	Date pressure Flow, cfs	Date pressure Flow, cfs oxygen 10-03-2016 633 109 7.5 10-19-2016 91 11-08-2016 651 140 9.2 11-22-2016 203 12-08-2016 647 190 11.8 12-21-2016 210 01-09-2017 634 160 10.5 01-18-2017 161 02-01-2017 640 140 9.9 02-22-2017 156 03-09-2017 641 128 8.7 03-09-2017 641 128 8.7 03-09-2017 639 199 8.2 04-07-2017 639 199 8.2 04-07-2017 641 186 7.7 05-08-2017 641 186 7.7 05-08-2017 641 226 06-08-2017 641	Date pressure Flow, cfs oxygen pH 10-03-2016 6.33 109 7.5 8.3 10-19-2016 91 11-08-2016 651 140 9.2 8.4 11-22-2016 203 12-08-2016 647 190 11.8 8.2 12-21-2016 210 01-09-2017 634 160 10.5 8.3 01-18-2017 161 02-01-2017 640 140 9.9 8.5 02-22-2017 156 03-09-2017 641 128 8.7 8.3 03-20-2017 162 04-07-2017 639 199 8.2 8.2 04-24-2017 162 05-08-2017 641 186	Date pressure Flow, cfs oxygen pH conductance	Date pressure Flow, cfs oxygen pH conductance Temperature 10-03-2016 6.33 10.99 7.5 8.3 1,160 21.6 10-03-2016 91 1,170 17.4 11-08-2016 651 140 9.2 8.4 1,100 12.7 11-22-2016 203 1,050 8.3 12-08-2016 647 190 11.8 8.2 1,100 0.5 12-21-2016 210 1,050 8.3 10-09-2017 634 160 10.5 8.3 1,050 4.3 01-18-2017 161 1,130 1.7 02-01-2017 640 140 9.9 8.5 1,110 8.2 03-09-2017 641 128 8.7 8.3 1,100 15.2 03-20-2017 641 128 8.7	Date pressure Flow, cfs oxygen pH conductance Temperature Turbidity	Date pressure Flow, cfs oxygen pH conductance Temperature Turbidity mg/L as N 10-03-2016 633 109 7.5 8.3 1,160 21.6 120 <0.02	Date Pressure Flow, cfs Oxygen pH Conductance Temperature Turbidity mg/L as N Ammonia Note	Date pressure Flow, cfs oxygen pH conductance Temperature Turbidity mg/L as N Ammonia Note Escherichia coli	Date Pressure Flow, cfs Oxygen PH Conductance Temperature Turbidity mg/L as N Ammonia Note Escherichia coli Total coliform Mar - Nov = 28.6 See note 126	Date pressure Flow, cfs oxygen pH conductance Temperature Turbidity mg/L as N Ammonia Note Escherichia coli Total coliform Selenium

		Barometric		Dissolved		Specific			Total Ammonia,					
Location	Date	pressure	Flow, cfs	oxygen	pН	conductance	Temperature	Turbidity	mg/L as N	Ammonia Note	Escherichia coli	Total coliform	Selenium	Selenium note
							Mar - Nov = 28.6							
Standards (if applicable)				5.0	6.5-9.0		Dec - Feb = 25.2		See note		126		4.8	
, II ,														
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	10-06-2016	621	102	8.6	8.3	871	13.5	18	<0.02		110	>2,400	3	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	10-20-2016	-	109		-	904	13.8				170	>2,400		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	11-07-2016	628	129	8.9	8.1	840	10.1	24	0.26		78	2,400	3.2	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	11-21-2016	-	154			861	12.3				46	>2,400		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	12-07-2016	623	127	10.8	8	889	1.2	18	0.12		93	>2,400	3.4	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	12-20-2016		134			1,020	7.7				57	>2,400		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	01-10-2017	617	127	9.7	8.2	1,080	6.2	30	0.28		72	>2,400	3.4	d
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	01-20-2017	-	116			936	5.7				79	1,200		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	02-02-2017	625	109	10.6	8	890	2.4	18	0.11		55	1,300	3.8	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	02-22-2017	-	101		-	861	8.8				45	610		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	03-08-2017	624	122	10.1	8.3	874	9.3	12	0.05		26	520	3.6	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	03-21-2017		106			746	20.2				120	980		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	04-07-2017	622	187	9.1	8.1	832	9.5	59	0.03	n	70	>2,400	3.3	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	05-04-2017	627	147	8.8	8.1	762	11.8	40	<0.02		42	2,400	2.9	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	05-23-2017	-	273		-	559	17				190	>2,400		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	06-08-2017	624	218	7.7	8.2	584	17.5	98	< 0.02		510	13,000	2	d
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	06-22-2017	1	109		-	730	22.7				98	2,800		
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	07-06-2017	629	91	7.0	8.3	804	22.4	15	0.25		110	12,000	2.7	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	07-20-2017	1			-	675	22.7				430	24,000		·
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	08-24-2017	-	135			790	16.5				140	2,400		·
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	09-07-2017	628	125	7.7	8.3	827	20.2	17	0.02	n	82	2,400	3.1	
FOUNTAIN CR BELOW JIMMY CAMP CR NR FOUNTAIN, CO	09-20-2017		92		-	886	18.5				64	>2,400		·

Note on Ammonia: Standards for ammonia include calculations to be performed monthly and are not included as the small amount of data would yield inaccurate standards.

Value Qualifiers:
, no data
<, less than
>, greater than
E, estimated
+, improper preservation
@, holding time exceeded
c, see result comment
d, sample was diluted
n, below the reporting level but at or above the detection level
r, value verified by rerun, same method

ATTACHMENT 4

Complaint Log

No attachment is provided because no complaints associated with construction of SDS were received during this reporting period.

Emergency Response Log

No attachment is provided because no emergency response incidents associated with construction of SDS occurred during this reporting period.

ATTACHMENT 6

Log of Work Occurring During Non-Typical Work Hours

No attachment is provided because there were no non-typical work hours associated with SDS occurred during this reporting period.

ATTACHMENT 7

Expenditures for Wastewater System Improvements



Pueblo County 1041 Permit

Expenditures for Wastewater System Improvements

Annual Progress Report

January 12, 2018

Reporting for the period between January 1, 2017 and December 31, 2017

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Collection System Rehabilitation and Replacement Project (R&R)	3
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Summary	

APPENDIX A – LCERP COMPLETION TABLE

APPENDIX B - R&R COMPLETION TABLE

APPENDIX C – MHERP COMPLETION TABLE

Introduction

On March 18, 2009 the Pueblo Board of County Commissioners passed Resolution No. P&D 09-22, approving 1041 Permit No. 2008-002 with terms and conditions for construction of the Southern Delivery System water project within Pueblo County, Colorado.

1041 Permit Condition No.7 requires that Springs Utilities provide an annual report to the Pueblo County Board of Commissioners on or before January 31 of each year reporting the Wastewater System Improvement expenditures from January 1 through December 31. Condition No.7 of the permit states:

Expenditures for Wastewater System Improvements

In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional seventy-five million dollars (\$75,000,000) in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2010 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2010. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.

The Wastewater Collection System Rehabilitation Programs are comprehensive programs that systematically inspect, evaluate, prioritize, and rehabilitate the entire Springs Utilities collection system. In 2017 the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (LCERP); 2) the Collection System Rehabilitation and Replacement Project (R&R); and 3) the Manhole Evaluation and Rehabilitation Project (MHERP). These projects are independent of Springs Utilities' normal operation and maintenance programs.

Project Descriptions

Local Collectors Evaluation and Rehabilitation Project (LCERP)

LCERP consists of the systematic evaluation and rehabilitation of sewer collection pipes less than 10-inch in diameter.

LCERP:

- Determines the condition of all the sanitary sewer pipe segments less than 10-inches in diameter and places them by priority on a schedule to be re-inspected, rehabilitated, repaired and/or replaced.
- Reduces the risk of Sanitary Sewer Overflows (SSO's)
- Is part of the overall long-term investments to our wastewater system through the year 2025.

LCERP repaired or rehabilitated approximately 75,807 feet of less than 10-inch sewer pipe, representing approximately 273-line segments, at a cost of \$3,106,415 in 2017.

Collection System Rehabilitation and Replacement Project (R&R)

The Sanitary Sewer Evaluation and Rehabilitation Program (SSERP) was completed on December 31, 2012, meeting all the requirements of the CDPHE Compliance Order on Consent (COC). Closure of the COC was requested on January 29, 2013 and granted by CDPHE on March 8, 2013. The successor Collection System Replacement and Rehabilitation Program (R&R) contracts were also put into place in 2009 to continue the rehabilitation and replacement of the pipes identified and is described below. The total cost associated with SSERP since 2000 is approximately \$74.85 million.

The R&R project rehabilitates or replaces large diameter (greater than 10-inch) sewer pipe that were installed after January 1, 1994.

R&R:

- Is designed to facilitate operations, increase capacity, and upgrade the system
- Focuses on the reduction of sanitary sewer overflows and stoppages
- Reduces the risk of spills and protecting the public health and environment.

R&R repaired or rehabilitated approximately 1691 feet of 12-inch, 2,995 feet of 42-inch and, 540 feet of 60-inch sewer pipe, representing 20 line segments, at a cost of \$3,191,192 in 2017.

Manhole Evaluation and Rehabilitation Project (MHERP)

MHERP has been developed as a comprehensive program to provide the rehabilitation of sanitary sewer manholes throughout the Springs Utilities wastewater collection system MHERP:

- Is designed to reducing the risk of spills, stoppages and SSOs
- Reduces infiltration and inflow at manholes throughout collection system.

MHERP repaired or rehabilitated 6 manholes, at a cost of \$7,841 in 2017.

Wastewater Reuse System

The Wastewater Reuse System consists of several pumping stations, storage reservoirs, holding ponds, transmission mains and a tertiary treatment facility.

Wastewater Reuse Systems:

- Deliver tertiary-treated wastewater to parks, cemeteries, golf courses and commercial properties for landscape irrigation
- Deliver tertiary-treated wastewater to Drake Power Plant for evaporative cooling
- Include supplies from raw surface water, groundwater, and reclaimed water.

Only normal operation and maintenance of the reuse system was conducted in 2017.

Summary

During the reporting period of January 1, 2017 through December 31, 2017 costs for LCERP, System R&R, and MHERP totaled \$6,305,448. The total Wastewater Expenditures reported since 2010 is \$56,561,751.



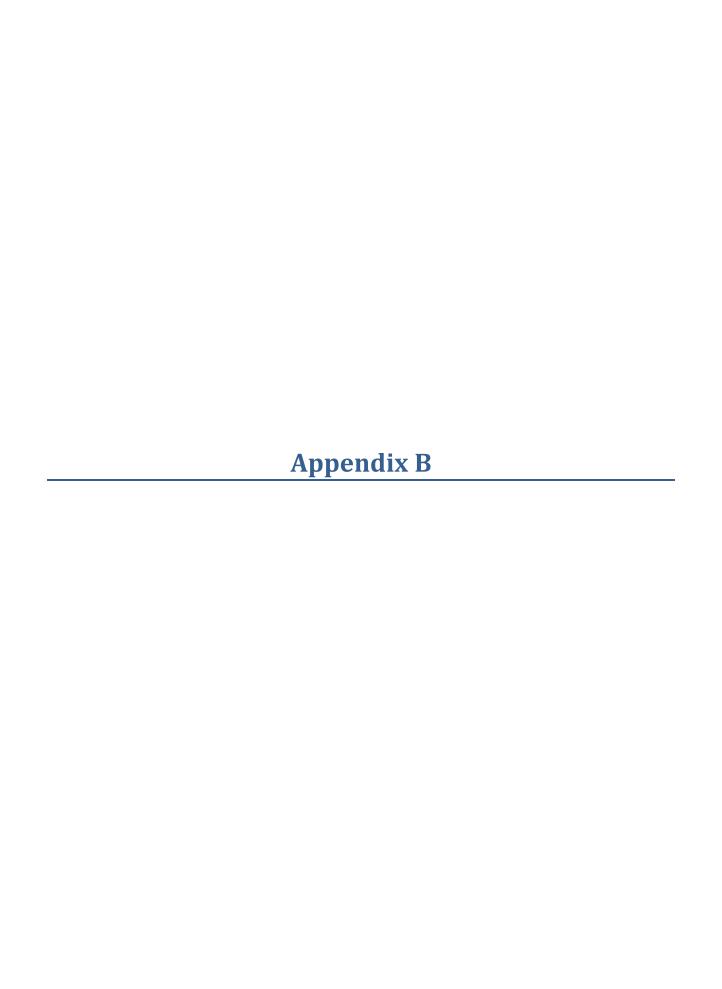
		DIAMETER		Assesment		
CSU Location ID	Work Order #	(inches)	LENGTH (feet)	Description	Collection Basin Name	Date Complete
WW.138934	3073643	8	399	CIPP	SOUTH TEJON	01/10/17
WW.195146	3047365	8	272	CIPP	PATTY JEWETT	01/11/17
WW.145211	3073641	8	323	CIPP	SOUTH TEJON	01/12/17
WW.170283	3047375	8	117	CIPP	PATTY JEWETT	02/21/17
WW.170276	3047374	8	30	CIPP	PATTY JEWETT	02/21/17
WW.140231	3047373	8	306	CIPP	PATTY JEWETT	02/21/17
WW.158314	3047613	8	462	CIPP	PATTY JEWETT	02/22/17
WW.156194	3047626	8	553	CIPP	PATTY JEWETT	02/23/17
WW.144360	3047371	8	266	CIPP	PATTY JEWETT	02/24/17
WW.155795	3210332	8	400	CIPP	LOWER SAND CREEK	02/27/17
WW.135135	3210345	8	191	CIPP	LOWER SAND CREEK	02/27/17
WW.135151	3210357	8	194	CIPP	LOWER SAND CREEK	02/28/17
WW.158042	3210364	8	123	CIPP	LOWER SAND CREEK	02/28/17
WW.160040	3210341	8	165	CIPP	LOWER SAND CREEK	03/01/17
WW.145809	3210352	8	350	CIPP	LOWER SAND CREEK	03/01/17
WW.151762	3210324	8	379	CIPP	LOWER SAND CREEK	03/02/17
WW.141637	3210349	8	381	CIPP	LOWER SAND CREEK	03/02/17
WW.149864	3210350	8	326	CIPP	LOWER SAND CREEK	03/03/17
WW.147770	3210334	8	330	CIPP	LOWER SAND CREEK	03/06/17
WW.134894	3210333	8	299	CIPP	LOWER SAND CREEK	03/07/17
WW.159925	3210336	8	272	CIPP	LOWER SAND CREEK	03/07/17
WW.162362	3210335	8	331	CIPP	LOWER SAND CREEK	03/08/17
WW.153856	3210340	8	235	CIPP	LOWER SAND CREEK	03/08/17
WW.164001	3210337	8	227	CIPP	LOWER SAND CREEK	03/09/17
WW.141508	3210338	8	217	CIPP	LOWER SAND CREEK	03/09/17
WW.154140	3210339	8	254	CIPP	LOWER SAND CREEK	03/09/17
WW.149859	3210342	8	405	CIPP	LOWER SAND CREEK	03/10/17
WW.150178	3210343	8	252	CIPP	LOWER SAND CREEK	03/13/17
WW.143712	3210344	8	299	CIPP	LOWER SAND CREEK	03/13/17
WW.156160	3012034	8	222	CIPP	LOWER COTTONWOOD CREEK	03/14/17
WW.136730	3012055	8	249	CIPP	LOWER COTTONWOOD CREEK	03/14/17
WW.135143	3210346	8	416	CIPP	LOWER SAND CREEK	03/14/17
WW.160043	3210360	8	220	CIPP	LOWER SAND CREEK	03/14/17
WW.159245	3012040	8	255	CIPP	LOWER COTTONWOOD CREEK	03/15/17
WW.153094	3011927	8	219	CIPP	LOWER COTTONWOOD CREEK	03/15/17
WW.147865	3210347	8	395	CIPP	LOWER SAND CREEK	03/15/17
WW.153860	3210351	8	328	CIPP	LOWER SAND CREEK	03/15/17
WW.145036	3012048	8	253	CIPP	LOWER COTTONWOOD CREEK	03/16/17
WW.161296	3012016	8	208	CIPP	LOWER COTTONWOOD CREEK	03/16/17
WW.137528	3210348	8	420	CIPP	LOWER SAND CREEK	03/16/17
WW.149863	3210353	8	401	CIPP	LOWER SAND CREEK	03/16/17
WW.147098	3012050	8	106	CIPP	LOWER COTTONWOOD CREEK	03/17/17
WW.149083	3011924	8	459	CIPP	LOWER COTTONWOOD CREEK	03/17/17
WW.139541	3210355	8	283	CIPP	LOWER SAND CREEK	03/17/17
WW.164124	3210356	8	257	CIPP	LOWER SAND CREEK	03/17/17
WW.164128	3210358	8	359	CIPP	LOWER SAND CREEK	03/17/17
WW.136731	3012056	8	494	CIPP	LOWER COTTONWOOD CREEK	03/20/17
WW.145836	3210363	8	400	CIPP	LOWER SAND CREEK	03/20/17
WW.159244	3012037	8	259	CIPP	LOWER COTTONWOOD CREEK	03/21/17
WW.155912	3210361	8	327	CIPP	LOWER SAND CREEK	03/21/17
WW.149880	3210365	8	152	CIPP	LOWER SAND CREEK	03/21/17
WW.160065	3210366	8	161	CIPP	LOWER SAND CREEK	03/21/17
WW.137684	3047624	8	462	CIPP	PATTY JEWETT	03/21/17
WW.133574	3012065	8	64	CIPP	LOWER COTTONWOOD CREEK	03/22/17
WW.164154	3210367	8	290	CIPP	LOWER SAND CREEK	03/22/17
WW.160066	3210368	8	270	CIPP	LOWER SAND CREEK	03/22/17
WW.157200	3012045	8	165	CIPP	LOWER COTTONWOOD CREEK	03/22/17
WW.151876	3210359	8	324	CIPP	LOWER SAND CREEK	03/23/17
WW.155911	3210362	8	398	CIPP	LOWER SAND CREEK	03/23/17

		DIAMETER		Assesment		
CSU Location ID	Work Order #	(inches)	LENGTH (feet)	Description	Collection Basin Name	Date Complete
WW.153093	3210376	8	212	CIPP	LOWER COTTONWOOD CREEK	03/23/17
WW.140797	3210377	8	197	CIPP	LOWER COTTONWOOD CREEK	03/23/17
WW.161295	3210381	8	98	CIPP	LOWER COTTONWOOD CREEK	03/29/17
WW.157880	3087200	8	239	CIPP	LOWER SAND CREEK	03/30/17
WW.145838	3210369	8	333	CIPP	LOWER SAND CREEK	03/30/17
WW.140798	3210378	8	360	CIPP	LOWER COTTONWOOD CREEK	03/30/17
WW.164122	3210354	8	458	CIPP	LOWER SAND CREEK	03/31/17
WW.153097	3210380	8	389	CIPP	LOWER COTTONWOOD CREEK	03/31/17
WW.131965	3210371	8	390	CIPP	ROCKRIMMON	04/03/17
WW.139995	3210372	8	399	CIPP	ROCKRIMMON	04/03/17
WW.152283	3210373	8	292	CIPP	ROCKRIMMON	04/03/17
WW.154285	3210374	8	134	CIPP	ROCKRIMMON	04/05/17
WW.138124	3163226	8	384	CIPP	MESA VALLEY	04/05/17
WW.152526	3047606	8	36	CIPP	PATTY JEWETT	04/07/17
WW.158671	3047611	8	171	CIPP	PATTY JEWETT	04/07/17
WW.142313	3047609	8	174	CIPP	PATTY JEWETT	04/10/17
WW.150527	3047370	8	333	CIPP	PATTY JEWETT	04/10/17
WW.148482	3047618	8	499	CIPP	PATTY JEWETT	04/10/17
WW.138180	3047608	8	217	CIPP	PATTY JEWETT	04/11/17
WW.150503	3047360	8	129	CIPP	PATTY JEWETT	04/11/17
WW.144364	3047473	8	220	CIPP	PATTY JEWETT	04/12/17
WW.132376	3047372	8	175	CIPP	PATTY JEWETT	04/12/17
WW.160703	3047379	8	120	CIPP	PATTY JEWETT	04/12/17
WW.143350	3047607	6	424	CIPP	PATTY JEWETT	04/13/17
WW.157678	3048161	8	508	CIPP	PATTY JEWETT	04/13/17
WW.155572	3048156	8	459	CIPP	PATTY JEWETT	04/17/17
WW.160243	3048164	8	525	CIPP	PATTY JEWETT	04/24/17
WW.153518	3047474	8	22	CIPP	PATTY JEWETT	04/24/17
WW.140229	3047623	8	488	CIPP	PATTY JEWETT	04/25/17
WW.163797	3048162	8	505	CIPP	PATTY JEWETT	04/25/17
WW.134460	3047620	8	502	CIPP	PATTY JEWETT	04/26/17
WW.134461	3047621	8	554	CIPP	PATTY JEWETT	04/26/17
WW.159761	3048163	8	185	CIPP	PATTY JEWETT	04/27/17
WW.134392	3047614	8	373	CIPP	PATTY JEWETT	04/27/17
WW.139276	3047625	8	303	CIPP	PATTY JEWETT	04/28/17
WW.145453	3046850	8	211	CIPP	PATTY JEWETT	05/01/17
WW.155571	3047617	8	451	CIPP	PATTY JEWETT	05/02/17
WW.157663	3048166	8	350	CIPP	PATTY JEWETT	05/03/17
WW.139192	3048167	8	138	CIPP	PATTY JEWETT	05/03/17
WW.143344	3048176	8	114	CIPP	PATTY JEWETT	05/04/17
WW.141260	3048168	8	347	CIPP	PATTY JEWETT	05/04/17
WW.161704	3048174	8	353	CIPP	PATTY JEWETT	05/04/17
WW.157647	3048172	8	159	CIPP	PATTY JEWETT	05/05/17
WW.147509	3048177	8	141	CIPP	PATTY JEWETT	05/05/17
WW.145439	3048179	8	114	CIPP	PATTY JEWETT	05/08/17
WW.157648	3048173	8	450	CIPP	PATTY JEWETT	05/08/17
WW.147512	3048178	8	412	CIPP	PATTY JEWETT	05/08/17
WW.137153	3048169	8	507	CIPP	PATTY JEWETT	05/09/17
WW.155527	3048170	8	489	CIPP	PATTY JEWETT	05/09/17
WW.157684	3047335	8	430	CIPP	PATTY JEWETT	05/10/17
WW.156195	3047359	8	343	CIPP	PATTY JEWETT	05/10/17
WW.145483	3047334	8	239	CIPP	PATTY JEWETT	05/11/17
WW.141319	3047332	8	198	CIPP	PATTY JEWETT	05/11/17
WW.149537	3046685	8	182	CIPP	PATTY JEWETT	05/11/17
WW.143419	3047358	8	327	CIPP	PATTY JEWETT	05/16/17
WW.155639	3047333	8	122	CIPP	PATTY JEWETT	05/16/17
WW.155540	3046687	8	140	CIPP	PATTY JEWETT	05/17/17
WW.153550	3046690	8	402	CIPP	PATTY JEWETT	05/17/17
WW.163791	3046688	8	149	CIPP	PATTY JEWETT	05/18/17

		DIAMETER		Assesment		
CSU Location ID	Work Order #	(inches)	LENGTH (feet)	Description	Collection Basin Name	Date Complete
WW.145661	3164566	8	291	CIPP	SPRING CREEK	06/11/17
WW.141475	3164576	8	320	CIPP	SPRING CREEK	06/11/17
WW.139870	3164578	8	392	CIPP	SPRING CREEK	07/24/17
WW.161713	3048175	8	448	CIPP	PATTY JEWETT	07/31/17
WW.134444	3047616	8	450	CIPP	PATTY JEWETT	07/31/17
WW.157865	3163316	8	356	CIPP	SPRING CREEK	08/04/17
WW.155210	3164000	8	320	CIPP	BOTT	08/04/17
WW.160325	3047022	8	397	CIPP	PATTY JEWETT	08/07/17
WW.159030	3163459	8	186	CIPP	SPRING CREEK	08/07/17
WW.134846	3164579	8	273	CIPP	SPRING CREEK	08/07/17
WW.139217	3046797	8	199	CIPP	PATTY JEWETT	08/08/17
WW.146449	3164362	8	328	CIPP	MESA VALLEY	08/08/17
WW.158652	3164557	8	194	CIPP	MESA VALLEY	08/08/17
WW.151080	3210375	8	216	CIPP	LOWER COTTONWOOD CREEK	08/08/17
WW.158653	3164363	8	176	CIPP	MESA VALLEY	08/09/17
WW.132359	3164364	8	204	CIPP	MESA VALLEY	08/09/17
WW.147738	3164567	8	320	CIPP	SPRING CREEK	08/09/17
WW.144339	3164012	8	344	CIPP	MESA VALLEY	08/10/17
WW.162698	3164357	8	345	CIPP	MESA VALLEY	08/10/17
WW.146450	3164593	8	174	CIPP	MESA VALLEY	08/14/17
WW.156572	3164344	8	265	CIPP	MESA VALLEY	08/15/17
WW.150497	3164347	8	420	CIPP	MESA VALLEY	08/15/17
WW.155758	3164606	8	321	CIPP	SPRING CREEK	08/16/17
WW.133976	3163274	8	129	CIPP	STRATTON MEADOWS	08/16/17
WW.156866	3163912	8	397	CIPP	TEMPLETON GAP	08/16/17
WW.150743	3163915	8	274	CIPP	TEMPLETON GAP	08/16/17
WW.136121	3164342	8	392	CIPP	MESA VALLEY	08/16/17
WW.144352	3164343	8	344	CIPP	MESA VALLEY	08/16/17
WW.163975	3163317	8	229	CIPP	SPRING CREEK	08/17/17
WW.140224	3164339	8	226	CIPP	MESA VALLEY	08/17/17
WW.138159	3164340	8	422	CIPP	MESA VALLEY	08/17/17
WW.132339	3164005	8	294	CIPP	MESA VALLEY	08/18/17
WW.132338	3164006	8	132	CIPP	MESA VALLEY	08/18/17
WW.162699	3164348	8	390	CIPP	MESA VALLEY	08/18/17
WW.140218	3164349	8	344	CIPP	MESA VALLEY	08/18/17
WW.149254	3210379	8	8	CIPP	SOUTH TEJON	08/18/17
WW.146034	3163315	8	356	CIPP	SPRING CREEK	08/19/17
WW.139770	3164016	8	270	CIPP	MESA VALLEY	08/21/17
WW.157953	3163454	8	250	CIPP	SPRING CREEK	08/22/17
WW.139294	3163467	8	81	CIPP	SHOOKS RUN	08/22/17
WW.157959	3163909	8	71	CIPP	SPRING CREEK	08/22/17
WW.163960	3164561	8	319	CIPP	SPRING CREEK	08/22/17
WW.158231	3163208	8	402	CIPP	MESA VALLEY	08/23/17
WW.147739	3163408	8	318	CIPP	SPRING CREEK	08/23/17
WW.138575	3163460	8	99	CIPP	SPRING CREEK	08/23/17
WW.160473	3210370	8	212	CIPP	ROCKRIMMON	08/24/17
WW.145773	3163413	8	184	CIPP	SPRING CREEK	08/24/17
WW.138579	3163455	8	247	CIPP	SPRING CREEK	08/24/17
WW.143024	3164003	8	30	CIPP	BOTT	08/24/17
WW.143023	3164004	8	41	CIPP	ВОТТ	08/24/17
WW.141561	3163130	8	254	CIPP	SPRING CREEK	08/25/17
WW.136379	3163198	8	277	CIPP	TEMPLETON GAP	08/25/17
WW.159980	3163907	8	309	CIPP	SPRING CREEK	08/25/17
WW.138079	3164604	8	193	CIPP	POPES VALLEY	08/26/17
WW.152420	3164274	8	124	CIPP	POPES VALLEY	08/27/17
WW.158574	3163225	8	172	CIPP	POPES VALLEY	08/28/17
WW.148373	3164028	8	179	CIPP	POPES VALLEY	08/28/17
WW.147308	3164597	8	272	CIPP	STRATTON MEADOWS	08/28/17
WW.196216	3164598	8	316	CIPP	#N/A	08/28/17

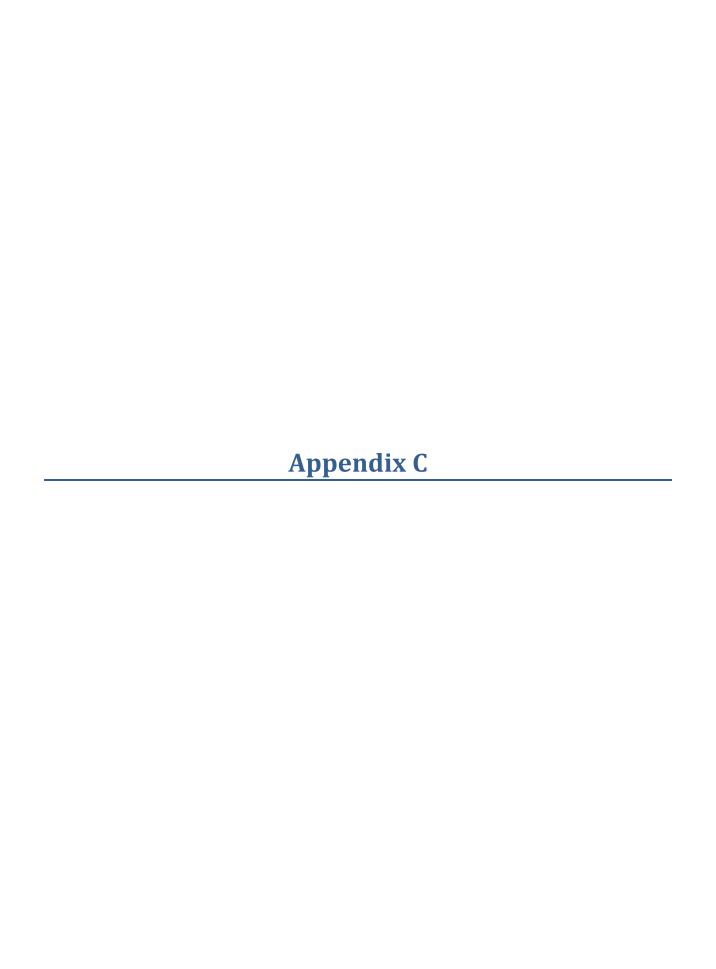
		DIAMETER		Assesment		
CSU Location ID	Work Order #	(inches)	LENGTH (feet)	Description	Collection Basin Name	Date Complete
WW.143946	3164327	8	240	CIPP	SPRING CREEK	08/29/17
WW.155656	3164580	8	399	CIPP	SPRING CREEK	08/29/17
WW.133914	3163142	8	353	CIPP	STRATTON MEADOWS	08/30/17
WW.149371	3163289	8	177	CIPP	STRATTON MEADOWS	08/30/17
WW.133910	3163134	8	395	CIPP	STRATTON MEADOWS	08/31/17
WW.133986	3163251	8	304	CIPP	STRATTON MEADOWS	08/31/17
WW.155308	3163272	8	286	CIPP	STRATTON MEADOWS	09/05/17
WW.136949	3163279	8	243	CIPP	STRATTON MEADOWS	09/05/17
WW.143166	3163133	8	487	CIPP	STRATTON MEADOWS	09/06/17
WW.163580	3163281	8	230	CIPP	STRATTON MEADOWS	09/06/17
WW.134603	3163638	8	474	CIPP	SHOOKS RUN	09/07/17
WW.139026	3164596	8	284	CIPP	STRATTON MEADOWS	09/07/17
WW.137488	3163453	8	28	CIPP	SPRING CREEK	09/08/17
WW.162965	3163145	8	148	CIPP	TEMPLETON GAP	09/11/17
WW.154740	3163910	8	187	CIPP	TEMPLETON GAP	09/11/17
WW.142549	3163196	8	383	CIPP	TEMPLETON GAP	09/12/17
WW.147203	3164002	8	393	CIPP	BOTT	09/12/17
WW.158651	3164584	8	346	CIPP	MESA VALLEY	09/18/17
WW.156573	3164592	8	222	CIPP	MESA VALLEY	09/18/17
WW.135824	3163295	8	446	CIPP	MESA VALLEY	09/19/17
WW.132361	3164356	8	378	CIPP	MESA VALLEY	09/19/17
WW.160654	3164017	8	271	CIPP	MESA VALLEY	09/20/17
WW.150494	3164354	8	204	CIPP	MESA VALLEY	09/21/17
WW.135824	3163295	8	446	CIPP	MESA VALLEY	09/21/17
WW.138156	3164605	8	184	CIPP	MESA VALLEY	09/25/17
WW.158652	3164557	8	407	CIPP	MESA VALLEY	09/25/17
WW.154505	3164586	8	404	CIPP	MESA VALLEY	09/26/17
WW.158574	3163225	8	172	CIPP	POPES VALLEY	09/27/17
WW.148373	3164028	8	124	CIPP	POPES VALLEY	09/27/17
WW.138079	3164604	8	195	CIPP	POPES VALLEY	09/28/17
WW.144203	3163200	8	218	CIPP	ROCKRIMMON	09/28/17
WW.139689	3207626	6	200	Replacement	WEST SIDE	09/27/17
WW.135921	3163932	8	157	CIPP	ROCKRIMMON	09/29/17
WW.161810	3163465	8	323	CIPP	SHOOKS RUN	10/02/17
WW.146294	3163199	8	388	CIPP	ROCKRIMMON	10/03/17
WW.145186	3163674	8	367	CIPP	SOUTH TEJON	10/04/17
WW.135993	3163996	8	195	CIPP	ROCKRIMMON	10/04/17
WW.139304	3163159	8	181	CIPP	SHOOKS RUN	10/05/17
WW.145560	3163925	8	119	CIPP	SHOOKS RUN	10/05/17
WW.142289	3163458	8	390	CIPP	MESA VALLEY	10/06/17
WW.164279	3163666	8	182	CIPP	WEST SIDE	10/06/17
WW.158668	3164336	8	204	CIPP	MESA VALLEY	10/10/17
WW.143532	3163924	8	226	CIPP	SHOOKS RUN	10/10/17
WW.143917	3164588	8	445	CIPP	MESA VALLEY	10/11/17
WW.140243	3164594	8	405	CIPP	MESA VALLEY	10/11/17
WW.163876	3163162	8	229	CIPP	SHOOKS RUN	10/11/17
WW.150518	3164333	8	203	CIPP	MESA VALLEY	10/13/17
WW.154504	3164337	8	185	CIPP	MESA VALLEY	10/13/17
WW.138158	3164595	8	418	CIPP	MESA VALLEY	10/16/17
WW.158233	3164346	8	444	CIPP	MESA VALLEY	10/16/17
WW.141800	3163669	8	358	CIPP	WEST SIDE	10/17/17
WW.145524	3163464	8	26	CIPP	SHOOKS RUN	10/17/17
WW.156406	3163929	8	261	CIPP	ROCKRIMMON	10/18/17
WW.138036	3163928	8	89	CIPP	ROCKRIMMON	10/18/17
WW.146461	3164326	8	186	CIPP	MESA VALLEY	10/23/17
WW.132395	3164325	8	183	CIPP	MESA VALLEY	10/23/17
WW.154253	3163931	8	142	CIPP	ROCKRIMMON	10/23/17
WW.154253 WW.150520				CIPP		
VV VV.13U3ZU	3164323	8	350	CIPP	MESA VALLEY	10/25/17

		DIAMETER		Assesment		
CSU Location ID	Work Order #	(inches)	LENGTH (feet)	Description	Collection Basin Name	Date Complete
WW.160664	3163207	8	228	CIPP	MESA VALLEY	10/26/17
WW.139162	3163221	8	400	CIPP	NORTH SUBURBAN	10/30/17
WW.163560	3163311	8	487	CIPP	SOUTH TEJON	11/01/17
WW.133655	3163294	8	234	CIPP	PULPIT ROCK	11/02/17
WW.151605	3164320	8	267	CIPP	SHOOKS RUN	11/03/17
WW.151691	3163204	8	180	CIPP	SHOOKS RUN	11/06/17
WW.158212	3163921	8	191	CIPP	SHOOKS RUN	11/07/17
WW.155717	3163919	8	120	CIPP	SHOOKS RUN	11/08/17
WW.137285	3163160	8	466	CIPP	SHOOKS RUN	11/13/17
WW.158463	3247322	8	143	CIPP	ROCKRIMMON	11/15/17
WW.154289	3247323	8	173	CIPP	ROCKRIMMON	11/15/17
WW.144007	3163409	8	318	CIPP	SPRING CREEK	11/16/17
WW.133977	3163229	6	418	CIPP	STRATTON MEADOWS	11/20/17
WW.147292	3163250	6	326	CIPP	STRATTON MEADOWS	11/21/17
WW.152333	3163164	8	327	CIPP	ROCKRIMMON	11/22/17
WW.143119	3163291	6	248	CIPP	STRATTON MEADOWS	11/28/17
WW.149575	3164321	6	15	CIPP	PATTY JEWETT	11/29/17
WW.149578	3163462	6	241	CIPP	SHOOKS RUN	11/29/17
WW.134519	3163672	6	286	CIPP	SHOOKS RUN	11/30/17
WW.141037	3163224	6	100	CIPP	STRATTON MEADOWS	12/01/17
WW.133961	3164018	6	86	CIPP	STRATTON MEADOWS	12/01/17
WW.149323	3164022	6	99	CIPP	STRATTON MEADOWS	12/01/17
WW.145223	3164021	6	206	CIPP	STRATTON MEADOWS	12/04/17
WW.186584	3163249	6	180	CIPP	STRATTON MEADOWS	12/04/17
WW.138956	3163228	6	243	CIPP	STRATTON MEADOWS	12/05/17
WW.145622	3163917	8	500	CIPP	SHOOKS RUN	12/07/17
WW.147269	3164603	6	188	CIPP	STRATTON MEADOWS	12/08/17
WW.137546	3203860	8	358	CIPP	LOWER SAND CREEK	12/12/17
WW.154152	3203856	8	364	CIPP	LOWER SAND CREEK	12/12/17
WW.158019	3203818	8	324	CIPP	LOWER SAND CREEK	12/13/17
WW.141646	3203867	8	339	CIPP	LOWER SAND CREEK	12/13/17
WW.143683	3203809	8	92	CIPP	LOWER SAND CREEK	12/13/17
WW.141644	3203820	8	283	CIPP	LOWER SAND CREEK	12/14/17
WW.137561	3203837	8	95	CIPP	LOWER SAND CREEK	12/14/17
WW.145819	3203865	8	299	CIPP	LOWER SAND CREEK	12/15/17
WW.145823	3203859	8	374	CIPP	LOWER SAND CREEK	12/16/17
WW.135173	3203868	8	355	CIPP	LOWER SAND CREEK	12/17/17
Totals	273		75.807			



2017 - Collection System Rehabilitation and Replacement Project

			Existing			NEW PIPE	Completion
PIPE LID	Task Order #	Work Order #	Size	PIPE COND.	LENGTH	SIZE	Date
WW.135760	86	3247377	12	Corroded Pipe	383	NA	11/01/17
WW.140969	86	3247378	12	Broken Tap Connections,	209	NA	11/02/17
WW.143065	86	3247379	12	Broken Tap Connections,	138	NA	11/03/17
WW.149257	86	3247380	12	Broken Tap Connections,	152	NA	11/06/17
WW.145174	86	3247381	12	Broken Tap Connections,	129	NA	11/07/17
WW.157514	86	3247382	12	Broken Tap Connections,	184	NA	11/08/17
WW.164412	86	3247383	12	Broken Tap Connections,	221	NA	11/13/17
WW.137158	86	3247384	12	Broken Tap Connections,	275	NA	11/14/17
WW.149687	86	3247385	42	Corroded Pipe	219	NA	11/15/17
WW.155711	86	3247386	42	Corroded Pipe	377	NA	11/15/17
WW.143527	86	3247387	42	Corroded Pipe	400	NA	11/16/17
WW.162327	86	3247388	42	Corroded Pipe	401	NA	11/20/17
WW.153259	86	3247389	42	Corroded Pipe	327	NA	11/21/17
WW.151240	86	3247390	42	Corroded Pipe	352	NA	11/22/17
WW.143069	86	3247391	42	Corroded Pipe	133	NA	12/14/17
WW.196458	86	3247392	42	Corroded Pipe	70	NA	12/14/17
WW.196467	86	3247393	42	Corroded Pipe	195	NA	12/16/17
WW.151243	86	3247394	42	Corroded Pipe	521	NA	12/17/17
WW.153251	86	3247395	60	Corroded Pipe	110	NA	12/22/17
WW.153250	86	3247396	60	Corroded Pipe	430	NA	12/22/17
Subtotal	20				5,226		



2017 - Manhole Evaluation and Rehabilitation Project

CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.191052	3172389	6	14.0	7/26/2017
WW.191049	3172388	6	9.0	7/26/2017
WW.191060	3172387	6	9.0	7/28/2017
WW.191050	3172386	6	9.0	7/28/2017
WW.191054	3172385	6	8.0	7/28/2017
WW.191051	3172384	6	7.0	7/28/2017
Total	6			

ATTACHMENT 8

Summary of Storage, Diversion, Delivery of Water in Pueblo County related to the SDS Project

Data will be reported in 12-month increments, from November of the previous year to October of the current year.

Summary of Storage, Diversion, Delivery of Water in Pueblo County

Storage & Diversion

Colorado Springs Utilities

	Pueblo Reservoir EOM S	Total	Total	
	feet)		Diversion	Delivery
		Fry-Ark		
	Long Term Excess	Carry Over		
	Capacity Acct	Account	acre-feet	acre-feet
Oct 2016	12,451.94	49,367.55		363.68
Nov	14,030.56	49,201.90		387.14
Dec	15,669.61	49,118.95	-1	395.52
Jan 2017	15,680.87	49,044.02		68.02
Feb	15,511.45	48,962.71	na Duabla	271.58
Mar	12,422.01	48,708.32	no Pueblo	397.67
Apr	13,109.19	48,408.69	County diversions	382.15
May	14,454.60	50,325.46	uiversions	372.37
Jun	13,736.36	49,737.09		223.71
Jul	14,466.88	49,318.66		308.96
Aug	16,169.65	48,932.30		354.92
Sep	12,959.66	48,607.85		286.95

Annual Total: 3812.67

City of Fountain

			Total	Total
	Pueblo EOM Storage	(acre-feet)	Diversion	Delivery
		SDS Long-		
		Term Excess		
	Fry-Ark Carryover	Capacity		
	Account	Account	acre-feet	acre-feet
Oct 2016	7155.40	877.63	0.00	87.45
Nov	7067.89	991.51	0.00	23.21
Dec	6998.62	988.71	0.00	1.13
Jan 2017	6879.88	1223.62	0.00	5.63
Feb	6862.67	1220.05	0.00	0.66
Mar	6827.70	1192.18	0.00	21.60
Apr	6757.06	1148.35	0.00	36.58
May	6994.51	1072.56	0.00	87.46
Jun	6912.76	1152.67	0.00	163.79
Jul	6854.67	1269.66	0.00	142.79
Aug	6800.98	1232.32	0.00	77.34
Sep	6755.88	1186.14	0.00	138.12

Annual Total: 0.00 785.76

Pueblo West Metropolitan District

	Pueblo Reservoir EOM	Total	
	Storage (acre-feet)	Diversion	Total Delivery
	Pueblo West	acre-feet	acre-feet
Oct 2016	5450.51	566.67	566.67
Nov	5167.10	355.43	355.43
Dec	4967.26	278.05	281.29
Jan 2017	5860.33	297.55	285.08
Feb	5592.39	254.22	257.24
Mar	5217.27	346.89	346.89
Apr	4787.18	399.10	364.61
May	5477.54	0.00	0.00
Jun	6758.25	0.00	0.00
Jul	6076.40	0.00	0.00
Aug	5895.07	0.00	0.00
Sep	5336.00	0.00	0.00

Annual Total: 2497.91

Notes: 1. Non-reusable water run through system most of March - April

2. Switched delivery from 100% North Outlet Works to 100% South Outlet Works on 4/27/2017

2457.21

Security Water District

			Total	Total
	Pueblo EOM Storage	(acre-feet)	Diversion	Delivery
		SDS Long-		
		Term Excess		
	Fry-Ark Carryover	Capacity		
	Account	Account	acre-feet	acre-feet
Oct 2016	5439.53	164.42	0.00	98.47
Nov	5430.16	326.59	0.00	62.10
Dec	5411.92	258.91	0.00	68.97
Jan 2017	5376.39	361.71	0.00	69.90
Feb	5204.90	451.82	0.00	60.88
Mar	5003.52	534.84	0.00	68.02
Apr	4912.83	594.70	0.00	74.75
May	5114.87	670.45	0.00	98.83
Jun	4797.40	781.57	0.00	260.44
Jul	4605.46	993.95	0.00	171.23
Aug	4569.38	884.38	0.00	112.18
Sep	4515.74	874.04	0.00	167.57

Annual Total: 0.00 1313.34

Summary of Participants' SDS Return Flows to Fountain Creek Including Storage and Releases of Such Return Flows

Data will be reported in 12-month increments, from November of the previous year to October of the current year.

Summary of Participants' Return Flows to Fountain Creek Including Storage and Releases of Such Return Flows

Return Flow Summary

Colorado Springs Utilities

SDS Return Flow Summary

	Total SDS RFs				RFs released
	to Fountain			RFs to Fountain	from Ftn Ck
	Creek	Avg Flow	Max Daily Flow	Creek Storage	Storage
	acre-feet	cfs	cfs	acre-feet	acre-feet
Oct 2016	156.52	2.63	3.92		
Nov	301.21	5.06	7.55		
Dec	333.70	5.61	6.70		
Jan 2017	131.09	2.20	7.68	none in 2017	none in 2017
Feb	226.89	3.81	9.82		
Mar	281.21	4.73	6.68		
Apr	212.25	3. 4 5	10.39		
May	188.08	3.16	5.81		
Jun	74.96	1.22	2.50		
Jul	96.01	1.56	3.05		
Aug	166.24	2.79	4.51		
Sep	93.20	1.52	4.07		

2261.36 0.00 0.00

City of Fountain

	Total SDS RFs				RFs released
	to Fountain			RFs to Ftn Ck	from Ftn Ck
	Creek	Avg Flow	Max Daily Flow	Storage	Storage
	acre-feet	cfs	cfs	acre-feet	acre-feet
Oct 2016	49.93	0.81	1.36	0.00	0.00
Nov	13.69	0.23	0.85	0.00	0.00
Dec	0.88	0.01	0.15	0.00	0.00
Jan 2017	4.67	0.08	0.56	0.00	0.00
Feb	0.53	0.01	0.18	0.00	0.00
Mar	18.62	0.30	1.29	0.00	0.00
Apr	29.34	0.49	1.35	0.00	0.00
May	65.86	1.07	2.13	0.00	0.00
Jun	117.68	1.98	2.63	0.00	0.00
Jul	81.82	1.33	1.81	0.00	0.00
Aug	43.97	0.72	1.44	0.00	0.00
Sep	67.47	1.13	1.74	0.00	0.00

494.46 0.00 0.00

Pueblo West Metropolitan District

Return Flow Summary

Pueblo West does not exchange flows from Fountain Creek.

	Total SDS RFs				RFs released
	to Fountain			RFs to Ftn Ck	from Ftn Ck
	Creek	Avg Flow	Max Daily Flow	Storage	Storage
	acre-feet	cfs	cfs	acre-feet	acre-feet
Oct 2016		0.00			
Nov		0.00			
Dec		0.00			
Jan 2017		0.00			
Feb		0.00			
Mar	n/a	0.00			
Apr	II/a	0.00			
May		0.00			
Jun		0.00			
Jul		0.00			
Aug		0.00			
Sep		0.00			

0.00 0.00 0.00

Security Water District

	Total SDS RFs				RFs released
	to Fountain			RFs to Ftn Ck	from Ftn Ck
	Creek	Avg Flow	Max Daily Flow	Storage	Storage
	acre-feet	cfs	cfs	acre-feet	acre-feet
Oct 2016	50.70	0.82	1.64	0.00	0.00
Nov	53.40	0.90	1.78	0.00	0.00
Dec	69.00	1.12	2.23	0.00	0.00
Jan 2017	67.71	1.10	2.18	0.00	0.00
Feb	57.39	1.03	2.05	0.00	0.00
Mar	52.15	0.85	1.69	0.00	0.00
Apr	48.58	0.82	1.63	0.00	0.00
May	53.34	0.87	1.73	0.00	0.00
Jun	79.65	1.34	2.67	0.00	0.00
Jul	68.09	1.11	2.22	0.00	0.00
Aug	57.43	0.93	1.87	0.00	0.00
Sep	70.00	1.18	2.35	0.00	0.00

727.44 0.00 0.00

Summaries of SDS Exchanges by Participants between Pueblo Reservoir and the Fountain Creek Confluence

Data will be reported in 12-month increments, from November of the previous year to October of the current year.

Summaries of Exchanges by Participants between Pueblo Reservoir and the Fountain Creek Confluence

Colorado Springs Utilities

SDS Exchange Summary

	Total Exchange	Avg Flow
	acre-feet	cfs
Oct 2016	112.15	1.88
Nov	257.24	4.32
Dec	293.45	4.93
Jan 2017	13.79	0.23
Feb	33.84	0.57
Mar	258.56	4.35
Apr	226.12	3.68
May	166.69	2.80
Jun	62.95	1.02
Jul	65.10	1.06
Aug	144.77	2.43
Sep	68.97	1.12

1703.63

City of Fountain

SDS Exchange Summary

	Total Exchange	Avg Flow
	acre-feet	cfs
Oct 2016	0.00	0.00
Nov	0.00	0.00
Dec	0.00	0.00
Jan 2017	0.00	0.00
Feb	0.00	0.00
Mar	0.00	0.00
Apr	0.00	0.00
May	0.00	0.00
Jun	0.00	0.00
Jul	0.00	0.00
Aug	0.00	0.00
Sep	0.00	0.00

0.00

Pueblo West Metropolitan District

SDS Exchange Summary

	Total Exchange	Avg Flow
	acre-feet	cfs
Oct 2016	3.00	0.05
Nov	89.09	1.50
Dec	89.78	1.46
Jan 2017	86.23	1.40
Feb	3.03	0.05
Mar	0.00	0.00
Apr	0.00	0.00
May	0.00	0.00
Jun	0.00	0.00
Jul	0.00	0.00
Aug	0.00	0.00
Sep	0.00	0.00

271.13

Security Water District

SDS Exchange Summary

	Total Exchange	Avg Flow
	acre-feet	cfs
Oct 2016	0.00	0.00
Nov	0.00	0.00
Dec	0.00	0.00
Jan 2017	0.00	0.00
Feb	0.00	0.00
Mar	0.00	0.00
Apr	0.00	0.00
May	0.00	0.00
Jun	0.00	0.00
Jul	0.00	0.00
Aug	0.00	0.00
Sep	0.00	0.00

0.00

Pueblo Flow Management Program

Data will be reported in 12-month increments, from November of the previous year to October of the current year.

Pueblo Flow Management Program

Southern Delivery System 1041 Permit Reporting Water Year 2017

Entity: Colorado Springs Utilities

Pueblo Flow Management Program Summary

					Run to	Colo	
					Colo	Canal	
			Amount	Rate	Canal	aug	Leased
Date Curtailed	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet
May 5, 2017	7:00	24:00	49.31	35.10	49.31	0.00	0.00
May 6, 2017	0:00	24:00	70.01	35.29	70.01	0.00	0.00
May 7, 2017	0:00	24:00	68.49	34.53	68.49	0.00	0.00
May 8, 2017	0:00	19:00	52.85	33.66	52.85	0.00	0.00

Low Flow Program Summary (Colorado Springs and BWWP only)

			Amount	Rate	Use 1	Use 2	Use 3
Date	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet
		no rele	ases in 20	17			

Entity: City of Fountain

Pueblo Flow Management Program Summary

			Amount	Rate	Use 1	Use 2	Use 3	Use 4	Use 5
Date Curtailed	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
n/a									

Low Flow Program Summary (Colorado Springs and BWWP only)

			Amount	Rate	Use 1	Use 2	Use 3
Date	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet

Entity: Pueblo West Metropolitan District

Pueblo Flow Management Program Summary

			Amount	Rate	Use 1	Use 2	Use 3	Use 4	Use 5
Date Curtailed	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
2/2/2017-3/3/2017	0:00:00	24:00:00	86	1.5					

Low Flow Program Summary (Colorado Springs and BWWP only)

			Amount	Rate	Use 1	Use 2	Use 3
Date	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet

Entity: Security Water District

Pueblo Flow Management Program Summary

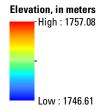
			Amount	Rate	Use 1	Use 2	Use 3	Use 4	Use 5
Date Curtailed	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
n/a									

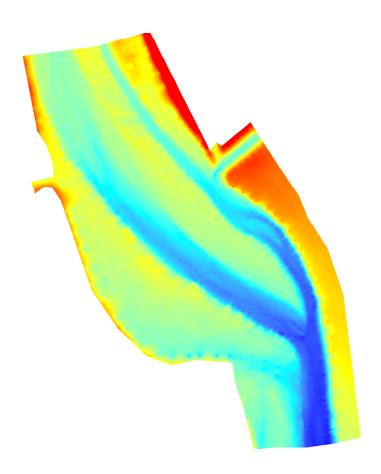
Low Flow Program Summary (Colorado Springs and BWWP only)

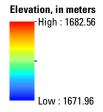
			Amount	Rate	Use 1	Use 2	Use 3
Date	Start Time	End Time	acre-feet	cfs	acre-feet	acre-feet	acre-feet

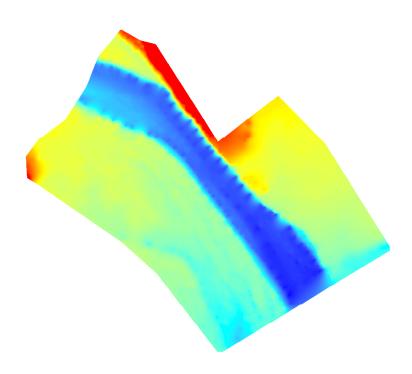
Geomorphology Monitoring

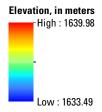
Geomorphic monitoring data are collected under an existing program led by the USGS in partnership with Colorado Springs Utilities and the City of Colorado Springs Engineering Department. Ten cross sections established at designated points along Fountain Creek are monitored for degradation, aggradation, and other changes to the geomorphic surface. Each cross section is surveyed once per year during low stream flow; preferably in the winter when leaves and other organic material on the ground is at a minimum. Survey data from 2015 are provided as pre-SDS operations baseline conditions along with survey data from the reporting period (2017) for comparative purposes.

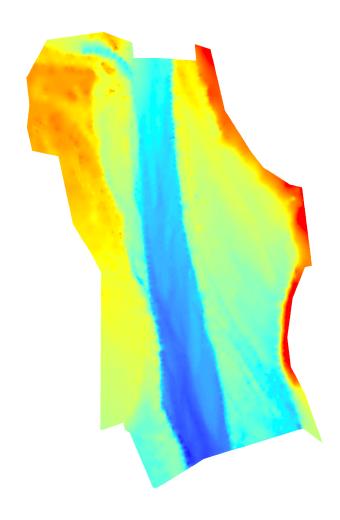


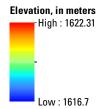


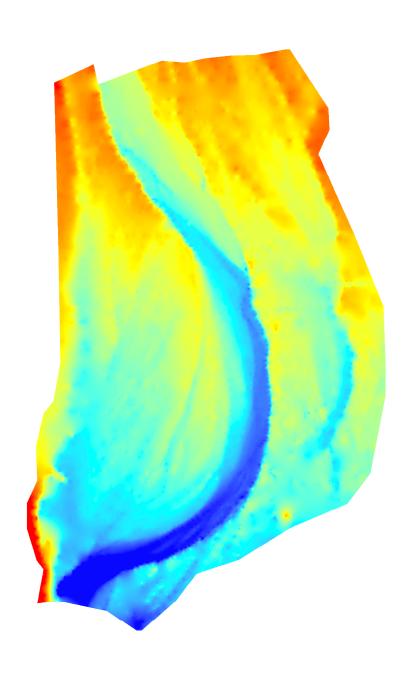






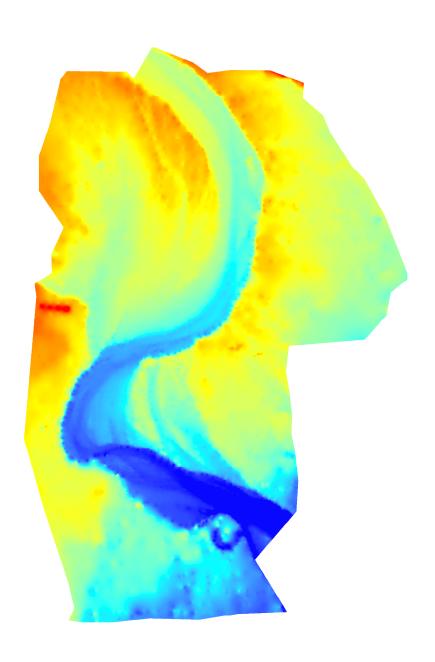




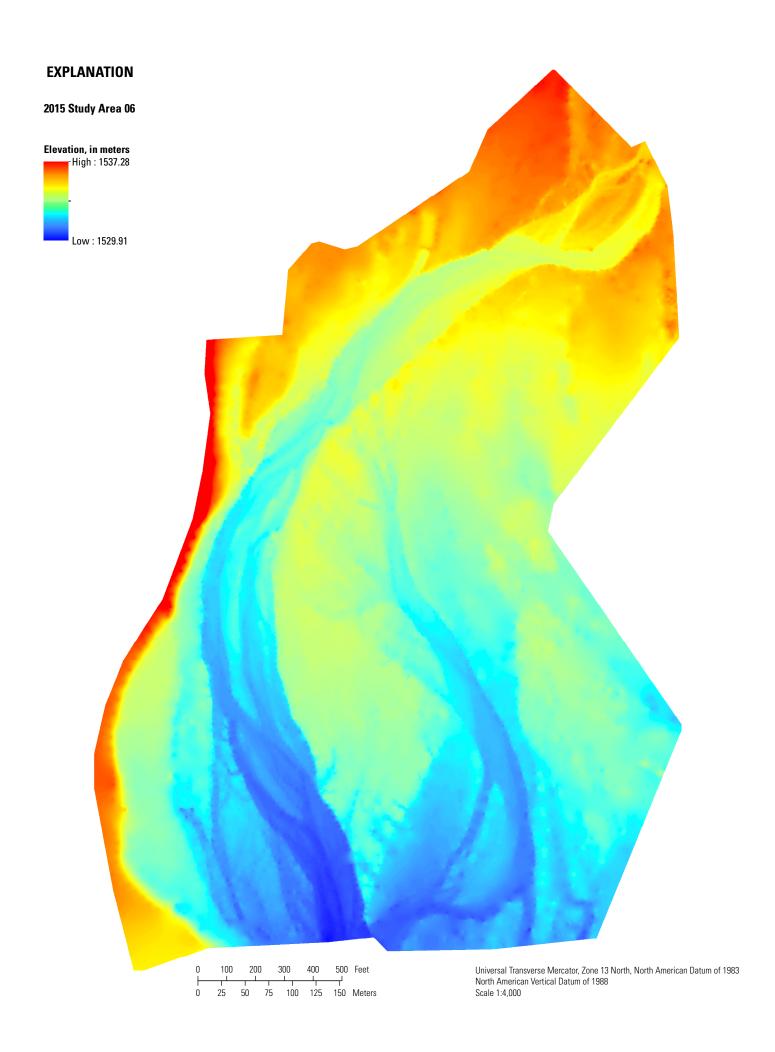


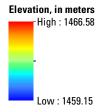
2015 Study Area 05

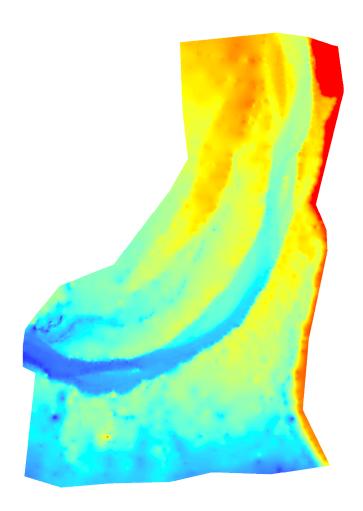
High: 1552.19 Low: 1546.64

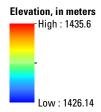


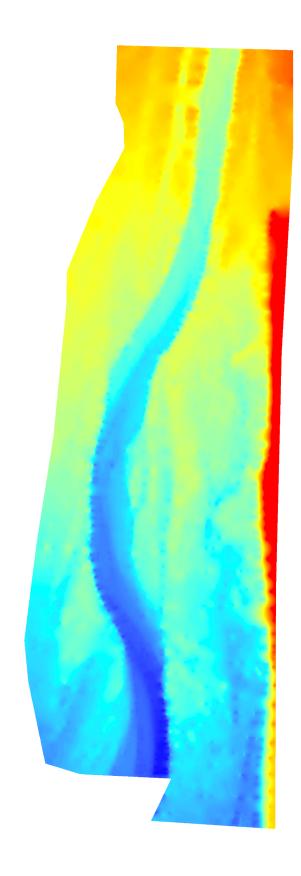


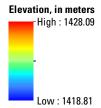


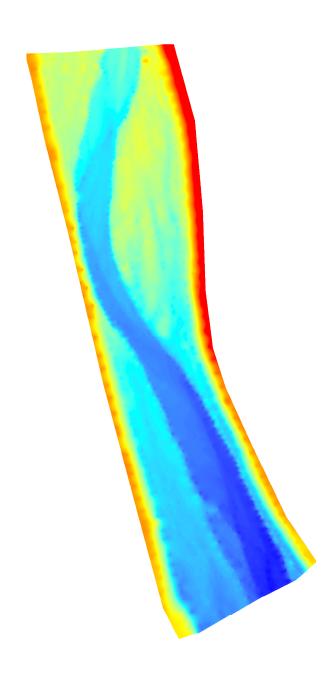


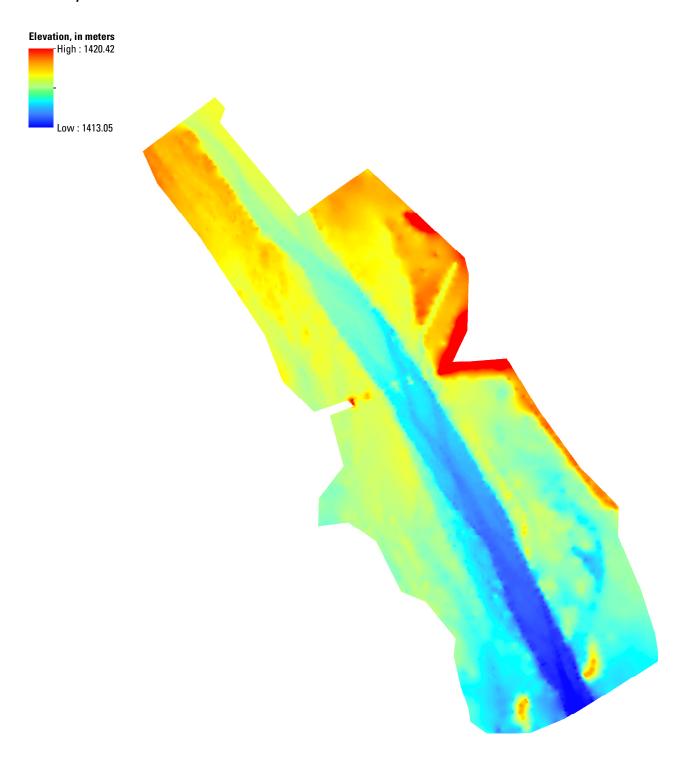


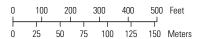








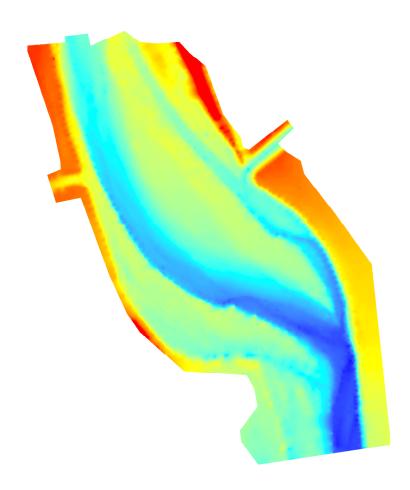




2017 Study Area 01

High: 1756.73

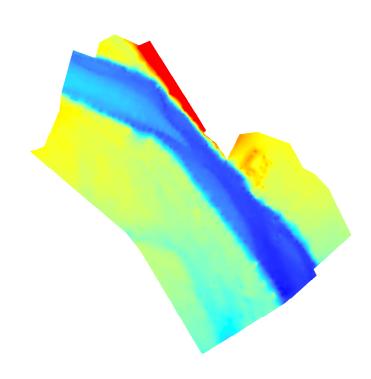




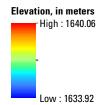
2017 Study Area 02

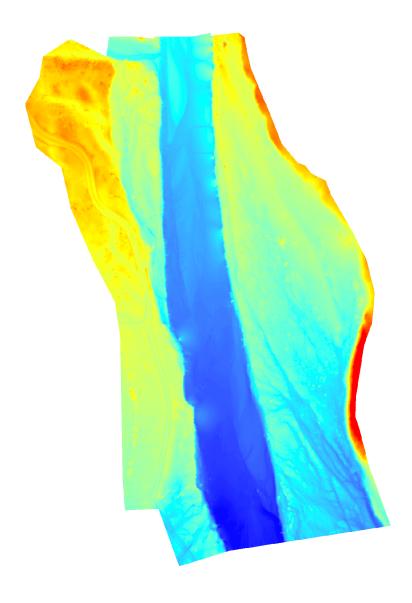
Elevation, in meters

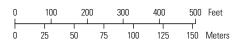




2017 Study Area 03





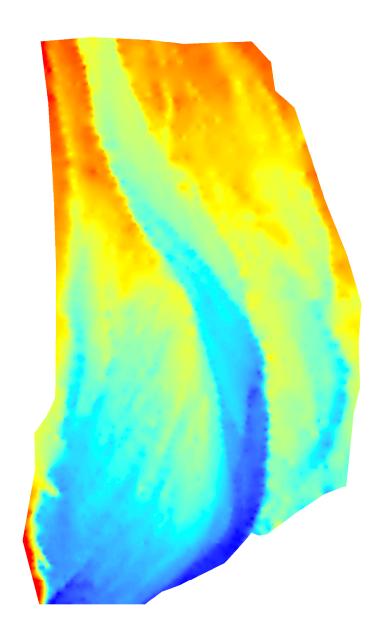


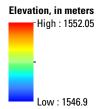
Base from ESRI aerial background maps Universal Transverse Mercator, Zone 13 North, North American Datum of 1983 North American Vertical Datum of 1988 Scale 1:4,000

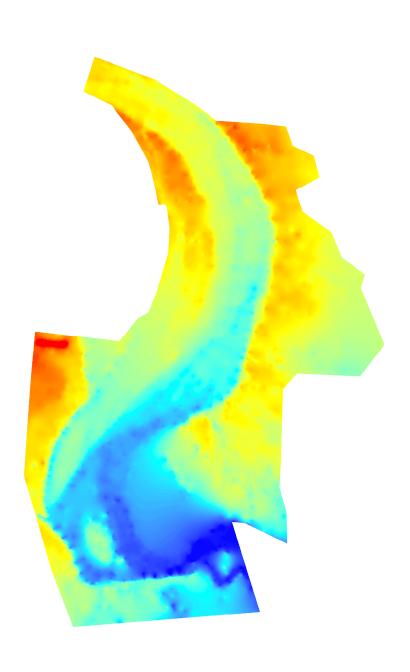
2017 Study Area 04

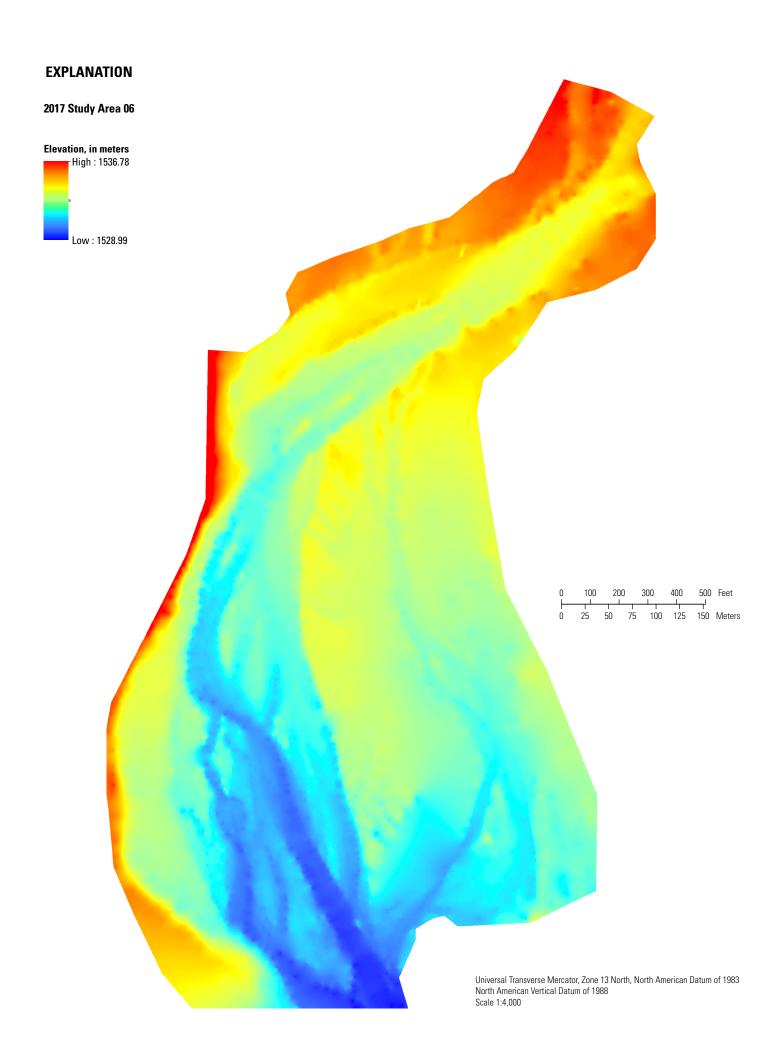
Elevation, in meters High: 1622.27

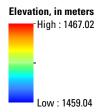
Low: 1617.53

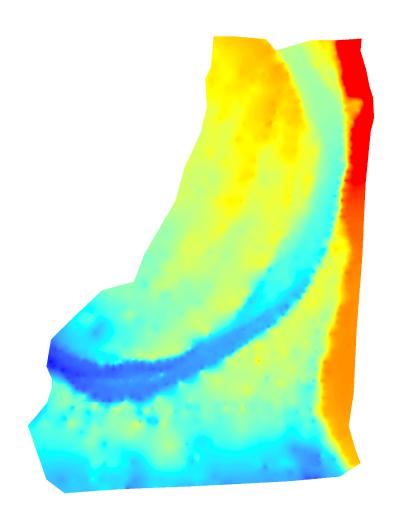








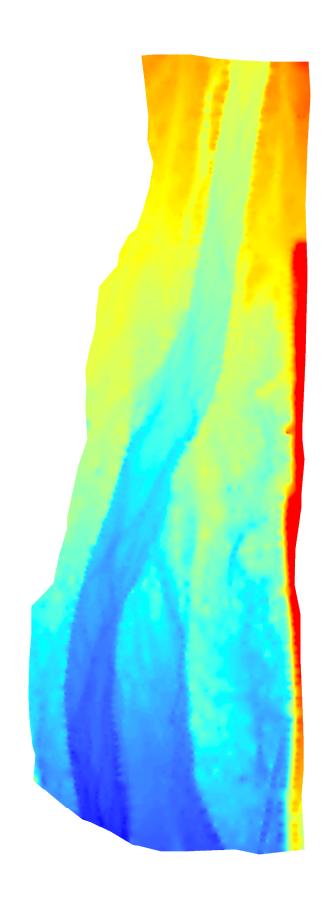




2017 Study Area 08

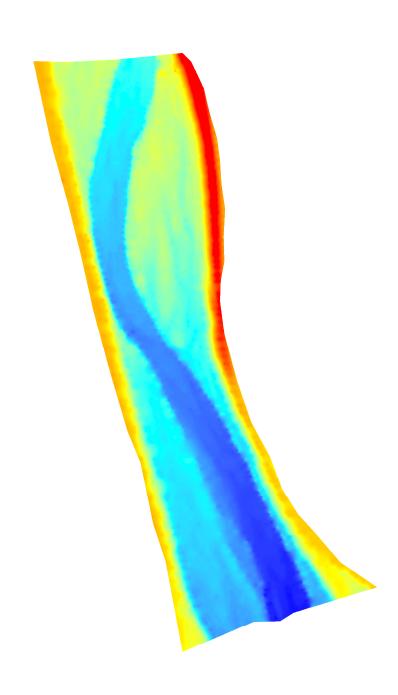
Elevation, in meters High: 1435.58

Low: 1426.37









EXPLANATION 2017 Study Area 10 Elevation, in meters High: 1422.4 Low: 1412.19

Universal Transverse Mercator, Zone 13 North, North American Datum of 1983 North American Vertical Datum of 1988 Scale 1:4,000