

STATE OF COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1580 Logan Street, Suite 600
Denver, Colorado 80203
Phone: (303) 866-3441
Fax: (303) 894-2578
www.cwcb.state.co.us



December 18, 2013

Rural Water Authority of Douglas County
Attn: Geoff Withers, District 1
P.O. Box 4610
Parker, CO 80134

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

James Eklund
CWCB Director

RE: WSRA Supplemental Funding - Rural Douglas County Groundwater-Level Monitoring Network in the Metro Basin

Dear Geoff:

This letter is to inform you that the amendment contract for your request of supplemental funding to assist in the Groundwater –Level Monitoring project was signed on December 13, 2013. The original signed contract will be mailed to you.

With the executed amendment contract, you are now able to proceed with the project and continue invoicing the State of Colorado for costs incurred through December 31, 2015. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 45 days. I wish you much success in your project.

If you have any additional questions or concerns, please contact Andy Moore at (303) 866-3441 x3229.

Sincerely,

/s/

Dori Vigil
Colorado Water Conservation Board
Water Supply Planning Section
1580 Logan Street, Suite 200
Denver CO 80203
[*\(303\) 866-3441 x3250*](tel:(303)866-3441x3250)
[*dori.vigil@state.co.us*](mailto:dori.vigil@state.co.us)

CONTRACT AMENDMENT

Amendment #2 C150473	Original Contract CMS # 27532	Amendment CMS # 63809
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1) PARTIES

This Amendment to the above-referenced Original Contract (hereinafter called the Contract) is entered into by and between Rural Water Authority of Douglas County (hereinafter called "Contractor"), and the STATE OF COLORADO (hereinafter called the "State") acting by and through the Department of Natural Resources, Colorado Water Conservation Board, (hereinafter called the "CWCB").

2) EFFECTIVE DATE AND ENFORCEABILITY

This Amendment shall not be effective or enforceable until it is approved and signed by the Colorado State Controller or designee (hereinafter called the "Effective Date"), but shall be effective and enforceable thereafter in accordance with its provisions. The State shall not be liable to pay or reimburse Contractor for any performance hereunder, including, but not limited to costs or expenses incurred, or be bound by any provision hereof prior to the Effective Date.

3) FACTUAL RECITALS

The Parties entered into the Contract for/to the Rural Douglas County Groundwater-Level Monitoring Network in the Metro Basin.

4) CONSIDERATION

Consideration for this Amendment consists of the payments to be made hereunder and the obligations, promises, and agreements herein set forth.

5) LIMITS OF EFFECT

This Amendment is incorporated by reference into the Contract, and the Contract and all prior amendments thereto, if any, remain in full force and effect except as specifically modified herein.

6) MODIFICATIONS.

The Contract and all prior amendments thereto, if any, are modified as follows:

- a. **5. TERM and EARLY TERMINATION is amended to read as follows:** "The Parties respective performance under this Grant shall commence on the Effective Date. This Grant shall terminate on December 31, 2015 unless sooner terminated or further extended as specified elsewhere herein.
- b. **6. a. Completion:** Grantee shall complete the Work and its other obligations as described herein and in the Exhibit A on or before December 31, 2015. The State shall not be liable to compensate Grantee for any Work performed prior to the Effective Date or after the termination of this Grant.
- c. The Supplemental **Exhibit A** and **Schedule** shall be included in the Original Contract's Scope of Work is attached hereto as **Attachment A**.
- d. **7.A. Maximum Amount:** The maximum amount payable under this Grant to Grantee by the State is \$163,055, as determined by the State from available funds. Grantee agrees to provide any additional funds required for the successful completion of the Work. Payments to Grantee are limited to the unpaid obligated balance of the Grant as set forth in **Exhibit A**. The maximum amount payable by the State to Grantee during each State fiscal year of this Grant shall be:

\$113,055 in FY2011
\$113,055 in FY2013, minus any funds expended in FY2011 and 2012
\$163,055 in FY2014, minus any funds expended in FY2011, 2012 and 2013
\$163,055 in FY2015, minus any funds expended in FY2011, FY2012, FY2013 and FY2014
\$163,055 in FY2016, minus any funds expended in FY2011, FY2012, FY2013, FY2014 and FY2015

7) EFFECTIVE DATE OF AMENDMENT

The effective date hereof is upon approval of the State Controller or their delegate.

8) ORDER OF PRECEDENCE

Except for the Special Provisions, in the event of any conflict, inconsistency, variance, or contradiction between the provisions of this Amendment and any of the provisions of the Contract, the provisions of this Amendment shall in all respects supersede, govern, and control. The most recent version of the Special Provisions incorporated into the Contract or any amendment shall always control other provisions in the Contract or any amendments

- 9) **AVAILABLE FUNDS:** Financial obligations of the state payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted, or otherwise made available.

THE PARTIES HERETO HAVE EXECUTED THIS AMENDMENT

*** Persons signing for Contractor hereby swear and affirm that they are authorized to act on Contractor's behalf and acknowledge that the State is relying on their representations to that effect.**

<p>CONTRACTOR Rural Water Authority of Douglas County</p> <p>By: Geoff Withers <u>Barry Gager</u> Title: Chairman</p> <p><u>Barry Gager</u> *Signature</p> <p>Date: <u>12/7/2013</u></p>	<p>STATE OF COLORADO John W. Hickenlooper, GOVERNOR Mike King, Department of Natural Resources</p> <p>By: <u>Rebecca Mitchell</u></p> <p>By: Rebecca Mitchell, Section Chief, Water Supply Planning Section, CWCB Signatory avers to the State Controller or delegate that Grantee has not begun performance or that a Statutory Violation waiver has been requested under Fiscal Rules</p> <p>Date: <u>12/10/13</u></p>
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ALL CONTRACTS REQUIRE APPROVAL BY THE STATE CONTROLLER

CRS §24-30-202 requires the State Controller to approve all State Contracts. This Contract is not valid until signed and dated below by the State Controller or delegate. Contractor is not authorized to begin performance until such time. If Contractor begins performing prior thereto, the State of Colorado is not obligated to pay Contractor for such performance or for any goods and/or services provided hereunder.

<p>STATE CONTROLLER Robert Jaros, CPA, MBA, JD</p> <p>By: <u>Susan Borup</u></p> <p>Name and Title: Susan Borup, DNR Controller</p> <p>Date: <u>12/13/13</u></p>
--

**Attachment A - CWCB Grant Application
Rural Water Authority of Douglas County
Supplemental to Existing Contract Number C150473**

Statement of Work

WATER ACTIVITY NAME - Rural Douglas County groundwater-level monitoring network

GRANT RECIPIENT – Rural Water Authority of Douglas County

FUNDING SOURCE – USGS matching funds, CWCB Metro Basin Account

INTRODUCTION AND BACKGROUND

This project established a county-wide groundwater-level monitoring network in 2011 for the long-term monitoring of the water resources of rural areas of unincorporated Douglas County, Colorado. A scientific evaluation of groundwater resources in the Authority's service area has never been accomplished. In 2010, Douglas County estimated the population would grow from 293,521 residents to more than 444,784 by 2030. Some water providers in the county have surface-water rights, but their allocations do not provide enough water to satisfy the renewable supplies necessary to fulfill the existing water demands of the county. Development of the groundwater resources will continue to be necessary to meet the growing needs of the county.

Funding of this application would continue aquifer water level sampling for one more year. The ultimate goal of the project is to collect at least five years' data, for a more accurate representation of changes in the groundwater levels.

OBJECTIVES

The primary objective of this study is to continue monitoring the county wide groundwater-level monitoring network for one year (12 months), to eventually achieve long-term monitoring of the water resources of Douglas County, Colorado. The network consists of 36 wells throughout the county. Water levels will be measured bi-monthly in all wells; ten sites are equipped with pressure transducers for continuous monitoring, and 26 wells will be monitored manually. Water levels measured from wells in the network will provide an assessment of the current water resource and provide the basis from which to monitor long-term changes of the hydrologic system.

TASKS

TASK 1 - Monthly Water- Level Measurements and data Management

Description of Task Water levels in 36 wells (*Attachment C-Figure 1*) will be measured on a bi-monthly basis and recorded. This task includes reviewing the field data forms for accuracy, and entering the water level data into the NWIS database. Fifteen wells are equipped with a pressure

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transducer and data recorders for recording hourly water level measurements.

Method/Procedure

Completion of this task is estimated to require 48 hours every other month to measuring water levels and perform data management and quality assurance procedures. After each round of water-level measurements, hydrographs will be produced and reviewed to ensure that the selected wells are providing reliable data. This task is estimated to require a total of 336 hours over the 12 month monitoring.

Deliverable

Data log of water levels in selected wells. Data will also be published on the USGS National Water Information System Web site (NWISWeb).

TASK 2 - Report Preparation

Description of Task

A USGS Scientific Investigation Report (SIR) will be prepared to summarize the water-level monitoring results for the period of monitoring. This report will be an update the report currently being prepared under contract C150473. Any GIS data sets generated during the project will be provided to the RWADC as a deliverable from the USGS to the RWADC.

Method/Procedure

Preparation of report. This task is estimated to require 200 hours of labor.

Deliverable

SIR Report and any GIS data sets generated. All data will be available to the public on NWISWeb.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed/amended contract. The Progress Report shall describe the completion of the tasks identified in the Statement of Work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

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BUDGET**Total Costs by Colorado Fiscal Year (CO FY)**

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Task 1 – CO FY13 Monthly water-level measurements and data management	\$0	\$0	\$0	\$0	\$0	\$0
Task 1 – CO FY14 Monthly water-level measurements and data management	\$33,835	\$10,218	\$44,053	\$11,013	\$743	\$32,297
Task 2 – CO FY14 Report preparation	\$0	\$0	\$0	\$0	\$0	\$0
Task 2 – CO FY15 Report preparation	\$23,604	\$0	\$23,604	\$5,901	\$0	\$17,703
Total Costs:	\$57,439	\$10,218	\$67,657	\$16,914	\$743	\$50,000

Total Costs by Federal Fiscal Year (FFY)

	Labor	Other Direct Costs	Total Project Costs	USGS Matching Funds	RWADC	CWCB Grant to RWADC
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SCHEDULE

*May be adjusted to reflect change in start date or other delays

By Colorado Fiscal Year (CO FY)

Workplan Element	CO FY-2013				CO FY-2014				CO FY-2015			
Task 1: Quarterly Monitoring-					X	X	X	X				
Task 2: Report Update									X	X		

By Federal Fiscal Year (FFY)

Workplan Element	FFY-2013				FFY-2014				FFY-2015			
Task 1: Quarterly Monitoring-				X	X	X	X					
Task 2: Report Update								X	X			

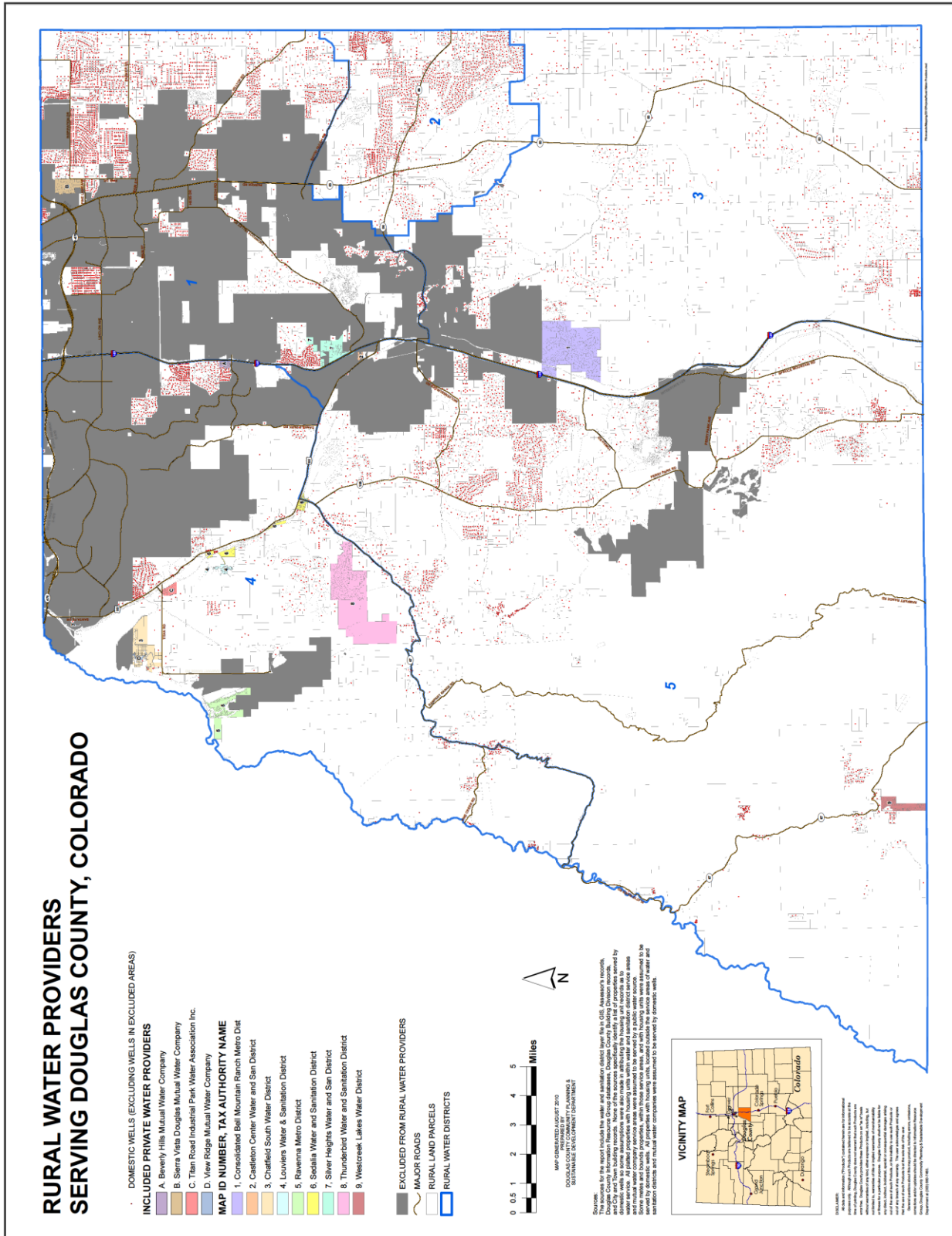
FUTURE WORK

Monitoring activities may be extended if additional funds are available before the completion of the project. Additional monitoring will not incur the costs associated with replacing the transducers or report publication. An additional 12 months (August 2014 through June 2015) of monitoring is estimated to cost \$45,450. At the current USGS Matching Funds rate of 25%, the USGS could match \$11,360 reducing the cost to \$34,090.

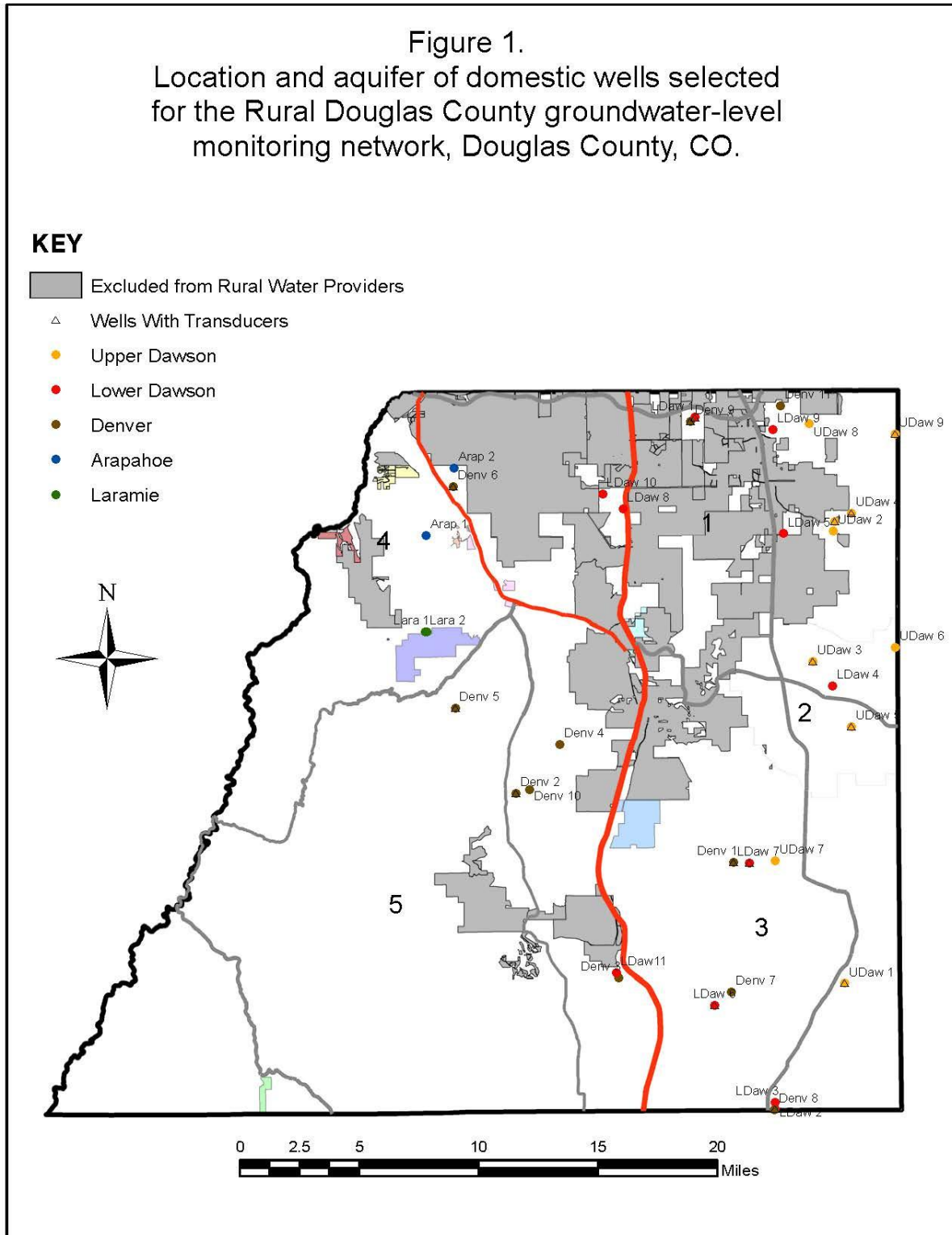
PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

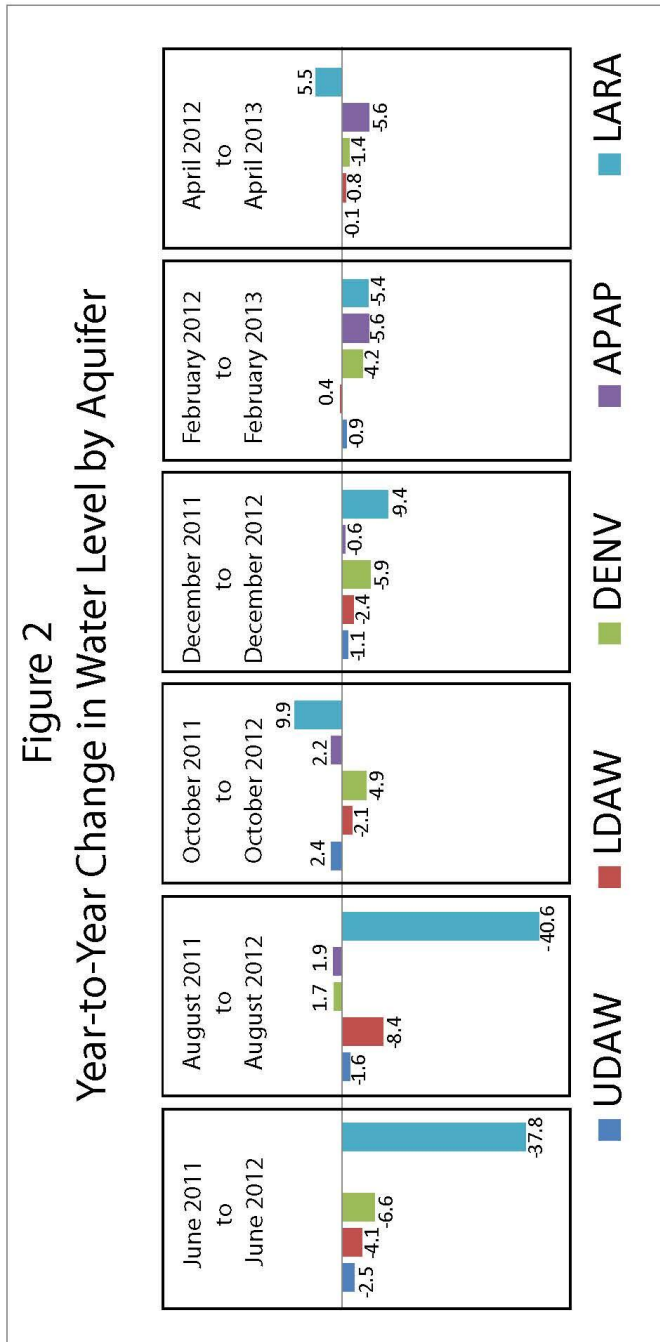
Attachment B. Map of the Rural Water Authority's Service Area



Attachment C:

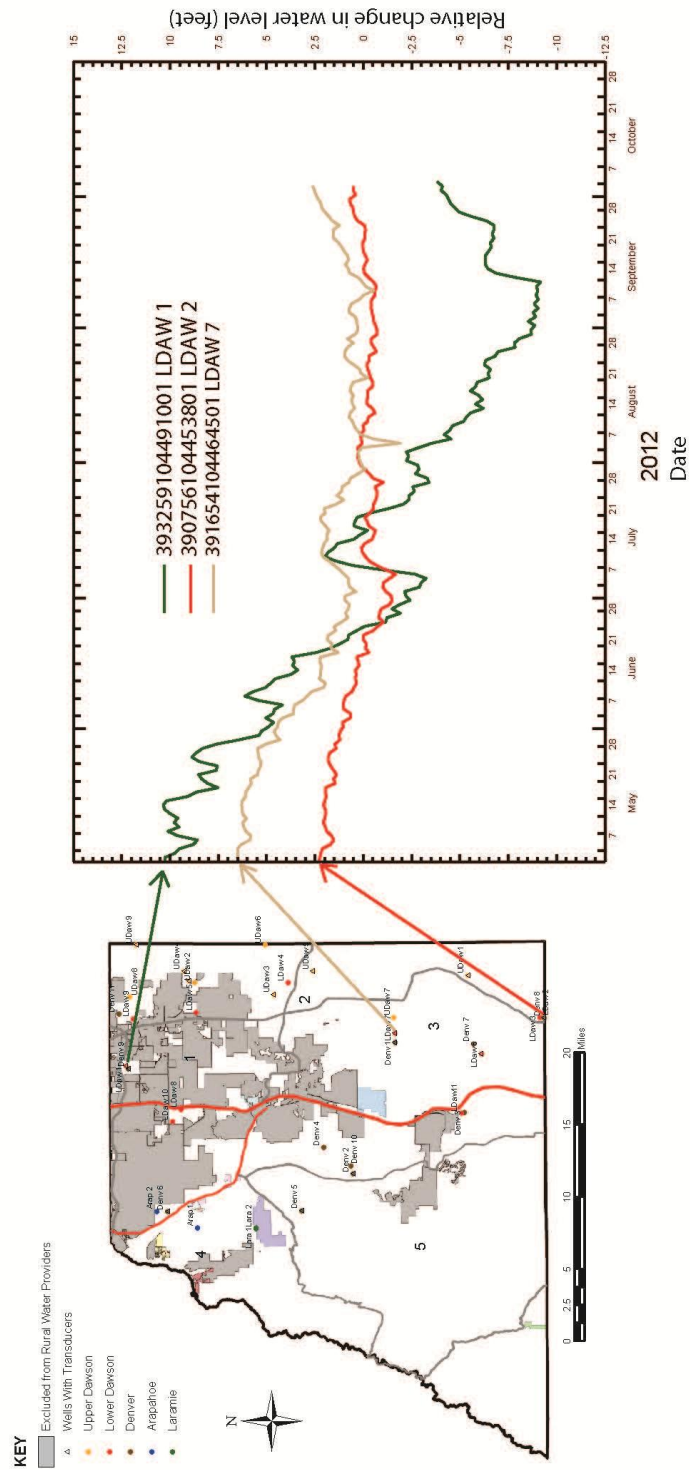


Attachment C:



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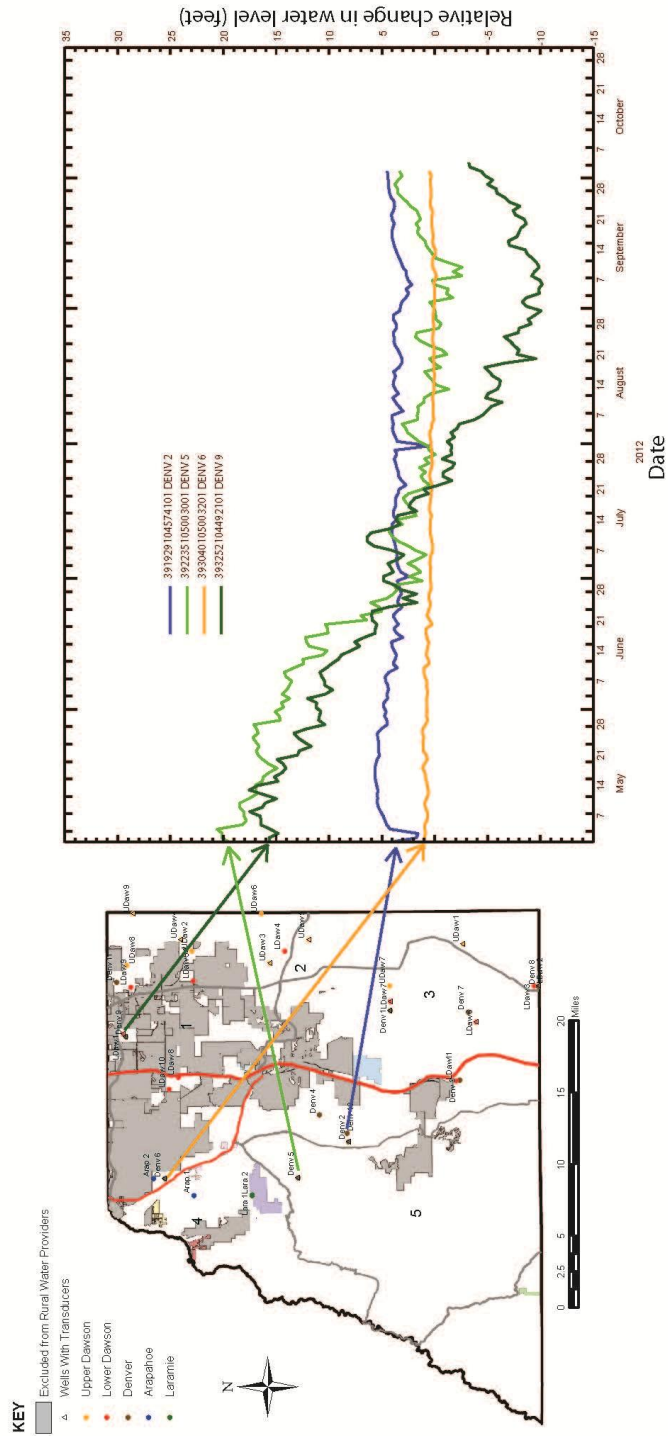
Figure 2a.
Location and time-series data from selected domestic wells screened in the Lower Dawson aquifer, Douglas County, CO



Attachment C:

Figure 2b.

Location and time-series data from selected domestic wells screened in the Denver aquifer, Douglas County, CO.



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www.cwcb.state.co.us



TO: Colorado Water Conservation Board Members

FROM: Tim Feehan, Assistant Director
Steve Biondo, Finance Manager

DATE: March 8, 2013 (*Updated 3/22/2013*)

SUBJECT: **Agenda Item 15, March 19 - 20, 2013, Board Meeting**
Finance Section - Severance Tax Trust Fund Operational Account
Approval of Project Recommendations

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbal
CWCB Director

Introduction

CWCB is entitled to an amount up to a 5% share of the Operational Account of the Severance Tax Trust Fund. In January 2013, CWCB received internal requests and outside applications for funding that becomes available from the Operational Account in July 2013 via the Long Bill enacted by the General Assembly. CWCB Staff reviews the applications and then recommends to the Board the projects that should receive funding. We expect to receive \$1,275,500 in funding; however, should that amount be changed, the project funding will also need to be revised. Table 1 on page 2 provides a summary of the recommended and non-recommended projects by CWCB Staff. These projects are described in more detail following Table 1 (see each write-up by the corresponding Project Number).

Recommendation

Staff recommends that the Board approve the proposed funding for each of the projects from the Operational Account of the Severance Tax Trust Fund as summarized as Table 1 to this memo. Recommended projects are numbered 1 – 26 and projects not recommended are numbered 27 – 34. *Board approved staff recommendations, with project funding decreases/increases presented during Board presentation, and the addition of Project No. 31.*

Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection
Water Project Loans & Grants • Water Modeling • Conservation & Drought Planning • Water Supply Planning

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Table 1

SEVERANCE TAX OPERATONAL ACCOUNT PROJECTS FOR FUNDING FROM JULY 1, 2013 TO JUNE 30, 2014

NO.	SPONSOR	PROJECT	AMOUNT
		INTERSTATE, FEDERAL & WATER INFORMATION	
1.	CWCB	Colorado River Tour for Colorado Basin State Leaders	\$30,000
2.	CWCB	GIS Migration to the Cloud	\$34,000
3.	CGS	County Groundwater Resources Series, Year 2	\$46,000
4.	USGS	Groundwater-Monitoring Network in Cooperation with the Rural Water Authority of Douglas County	\$19,960
5.	PRWCD	Purgatoire River WCD Enhanced Diversion Record Project	\$25,000
		Finance	
6.	DWR	Republican River Basin Instrumentation	\$30,000
7.	EDO	Regional Real-Time Monitoring of Oil and Gas Operations	\$200,000
8.	DWR	Extreme Precipitation Analysis Tool Software Verification Project, Phase 2	\$95,000
9.	DWR	Dam Safety Inundation Mapping Grant Program	\$24,960
10.	BCRC&PC	Bull Creek Reservoir #4 Wetlands Study	\$14,257
		Stream & Lake Protection	
11.	CWCB	Case Management and Litigation Support	\$75,000
12.	USGS	Validation of Colorado StreamStats for Selected Locations	\$75,000
13.	CWCB	Outreach and Education	\$10,000
		Watershed & Flood Protection	
14.	CWCB	Flood Mitigation and Project Compliance	\$50,000
15.	CWCB	Multi-Objective Watershed Protection and Restoration Projects	\$50,000
16.	CWCB	Community Assistance Program	\$47,650
17.	CSAS	Colorado Dust on Snow Program	\$50,000
18.	DWR	Dam Failure Consequence and Vulnerability Assessments	\$13,000

**Attachment A - CWCB Grant Application
Rural Water Authority of Douglas County
Supplemental to Existing Contract Number C150473**

Statement of Work

WATER ACTIVITY NAME - Rural Douglas County groundwater-level monitoring network

GRANT RECIPIENT – Rural Water Authority of Douglas County

FUNDING SOURCE – USGS matching funds, CWCB Metro Basin Account

INTRODUCTION AND BACKGROUND

This project established a county-wide groundwater-level monitoring network in 2011 for the long-term monitoring of the water resources of rural areas of unincorporated Douglas County, Colorado. A scientific evaluation of groundwater resources in the Authority's service area has never been accomplished. In 2010, Douglas County estimated the population would grow from 293,521 residents to more than 444,784 by 2030. Some water providers in the county have surface-water rights, but their allocations do not provide enough water to satisfy the renewable supplies necessary to fulfill the existing water demands of the county. Development of the groundwater resources will continue to be necessary to meet the growing needs of the county.

Funding of this application would continue aquifer water level sampling for one more year. The ultimate goal of the project is to collect at least five years' data, for a more accurate representation of changes in the groundwater levels.

OBJECTIVES

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transducer and data recorders for recording hourly water level measurements.

Method/Procedure

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Description of Task

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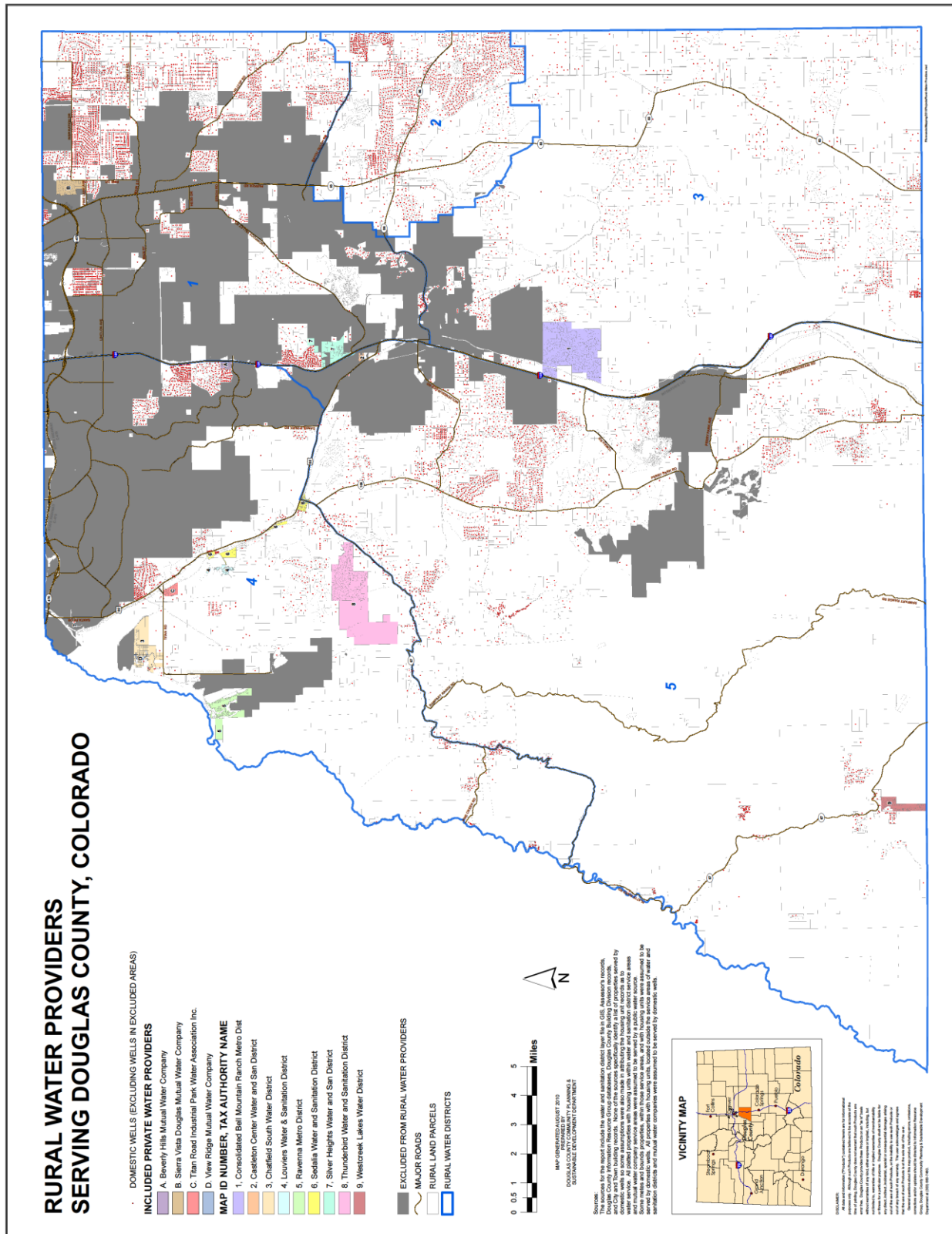
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PAYMENT

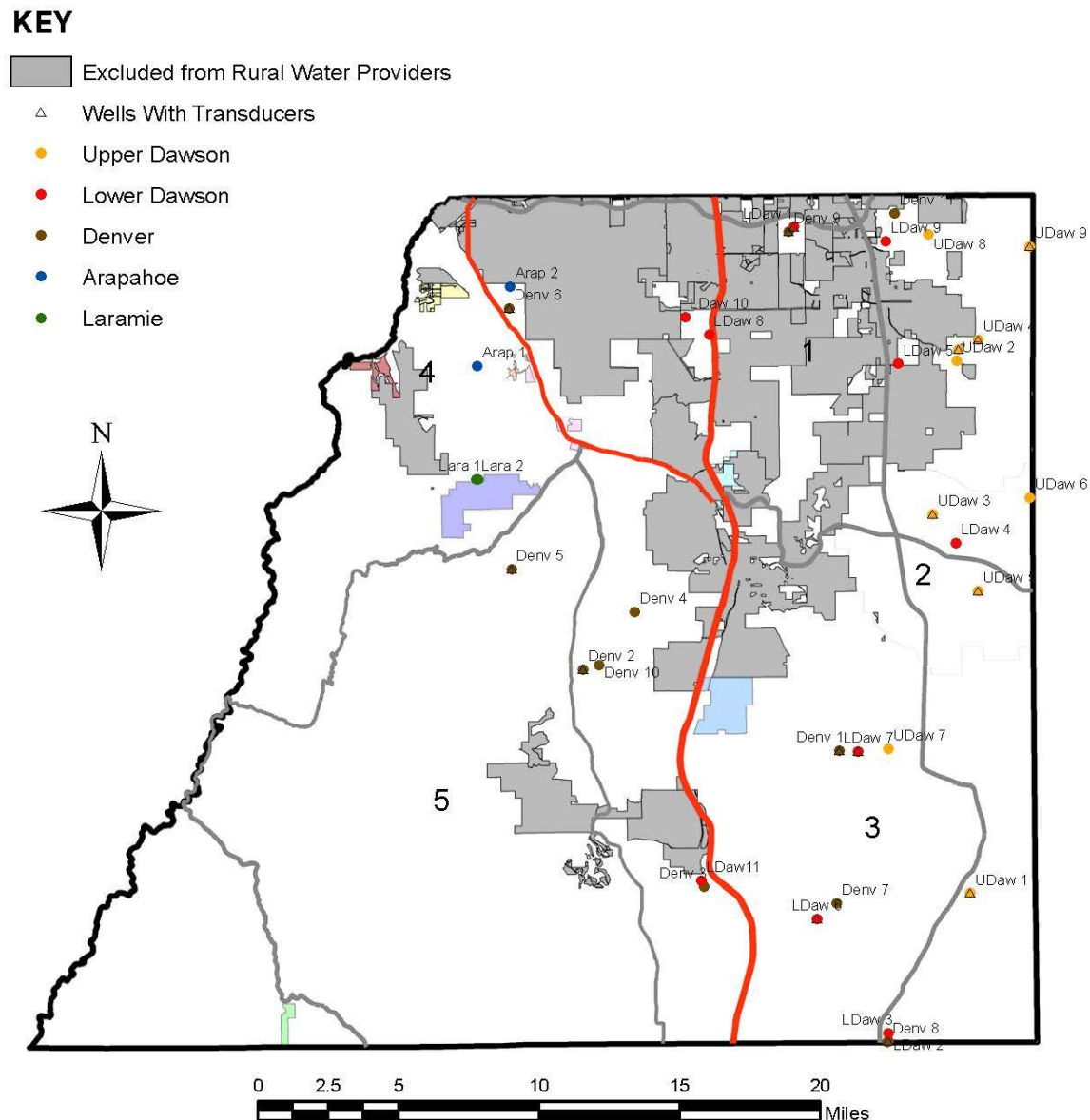
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Attachment B. Map of the Rural Water Authority's Service Area

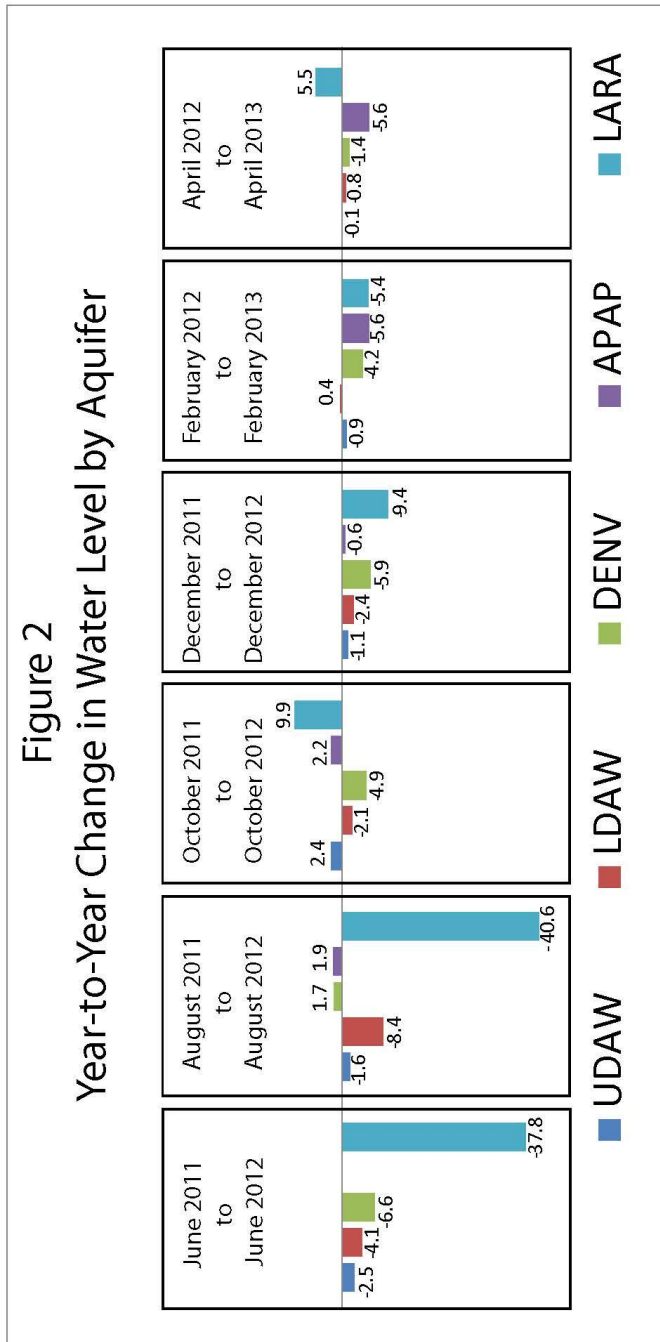


Attachment C:

Figure 1.
Location and aquifer of domestic wells selected
for the Rural Douglas County groundwater-level
monitoring network, Douglas County, CO.

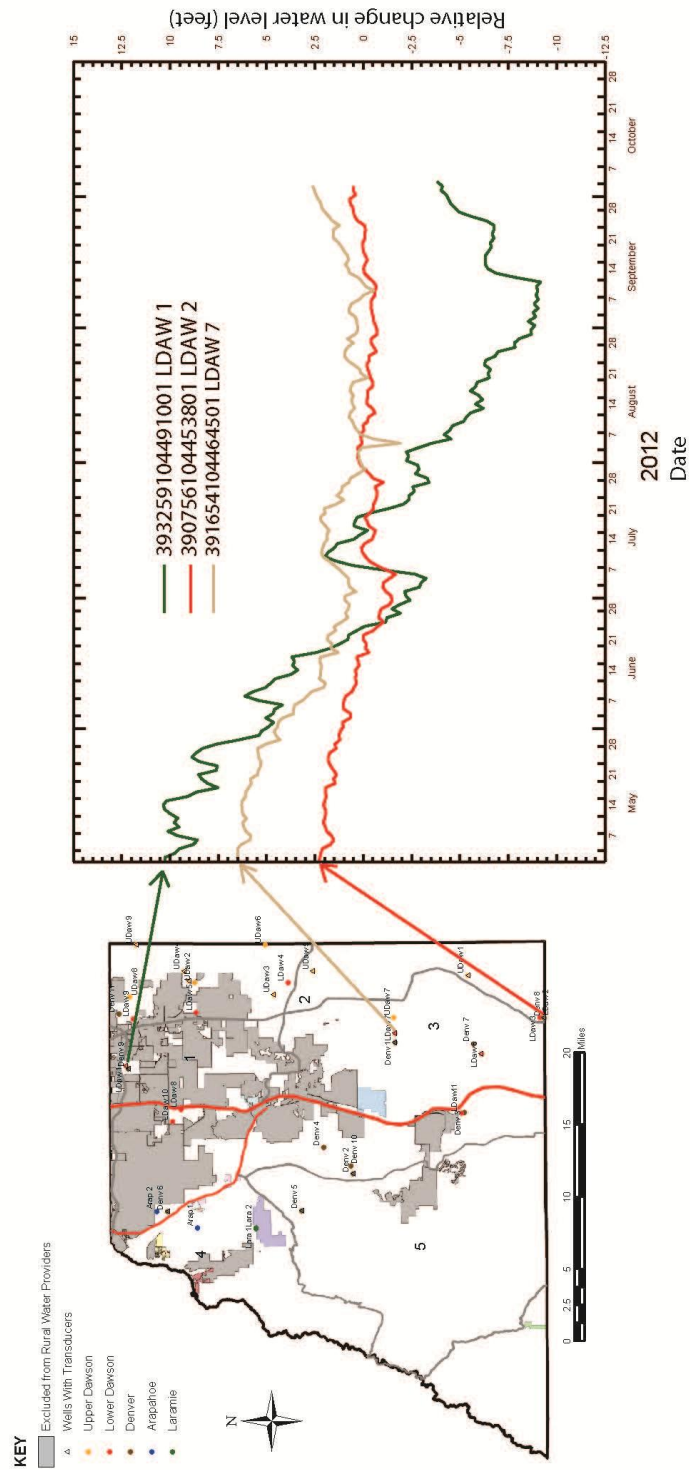


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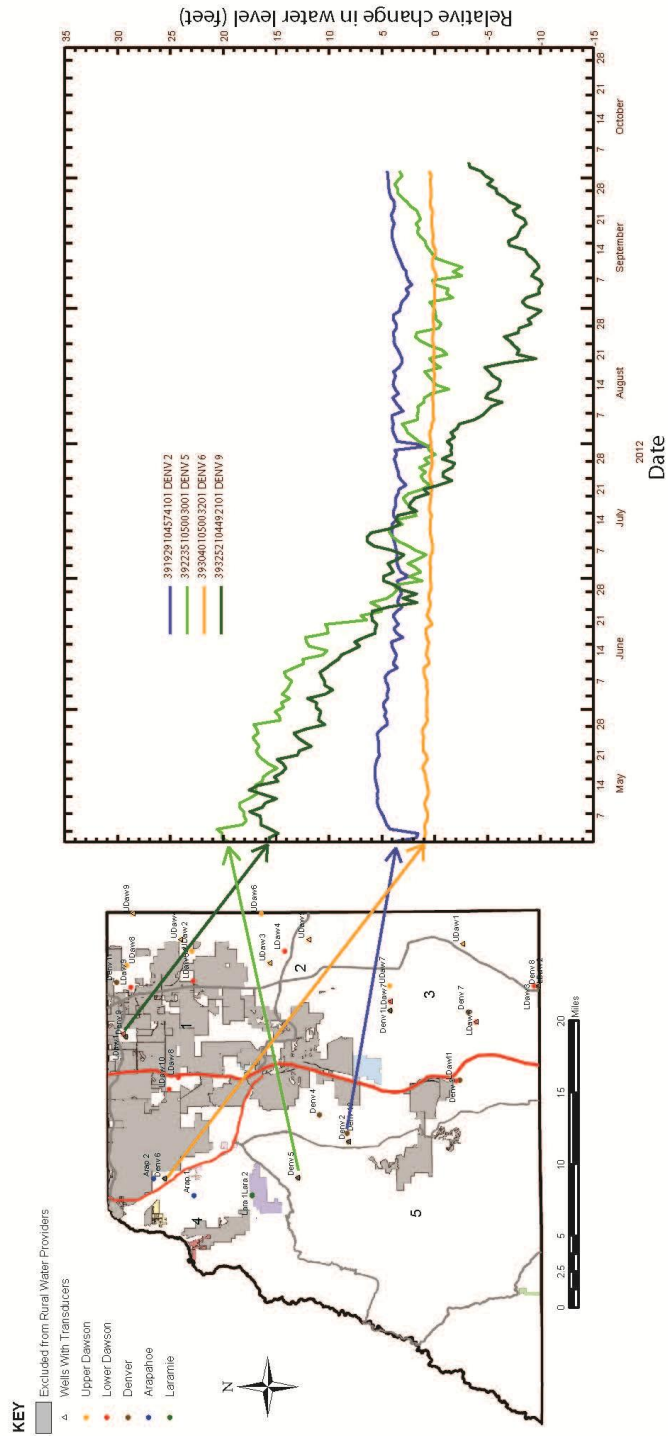
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Figure 2b.

Location and time-series data from selected domestic wells screened in the Denver aquifer, Douglas County, CO.



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TO: Colorado Water Conservation Board Members

FROM: Tim Feehan, Assistant Director
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DATE: March 8, 2013 (*Updated 3/22/2013*)

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5.	PRWCD	Purgatoire River WCD Enhanced Diversion Record Project	\$25,000
		Finance	
6.	DWR	Republican River Basin Instrumentation	\$30,000
7.	EDO	Regional Real-Time Monitoring of Oil and Gas Operations	\$200,000
8.	DWR	Extreme Precipitation Analysis Tool Software Verification Project, Phase 2	\$95,000
9.	DWR	Dam Safety Inundation Mapping Grant Program	\$24,960
10.	BCRC&PC	Bull Creek Reservoir #4 Wetlands Study	\$14,257
		Stream & Lake Protection	
11.	CWCB	Case Management and Litigation Support	\$75,000
12.	USGS	Validation of Colorado StreamStats for Selected Locations	\$75,000
13.	CWCB	Outreach and Education	\$10,000
		Watershed & Flood Protection	
14.	CWCB	Flood Mitigation and Project Compliance	\$50,000
15.	CWCB	Multi-Objective Watershed Protection and Restoration Projects	\$50,000
16.	CWCB	Community Assistance Program	\$47,650
17.	CSAS	Colorado Dust on Snow Program	\$50,000
18.	DWR	Dam Failure Consequence and Vulnerability Assessments	\$13,000