

# **WATER RIGHTS ADMINISTRATION RECORD KEEPING AND MONITORING**



**STEAMBOAT SPRINGS, COLORADO  
MARCH 5<sup>TH</sup>, 2014**

# **ADMINISTRATIVE ORDERS**

## **CRS 37-92-502(5)(a)**

The state engineer and division engineers have the authority to order any owner or user of a water right to install and maintain at such owner's or user's expense necessary meters, gauges, or other measuring devices and to report at reasonable times to the appropriate division engineer the readings of such meters, gauges, or other measuring devices.

# **CRS 37-92-501**

The state and division engineers shall administer, distribute, and regulate the waters of the state in accordance with the constitution of the State of Colorado; the provisions of Title 37, Article 92 of the Colorado Revised Statutes (Water Right Determination and Administration Act of 1969); and other applicable laws.

## **CRS 37-84-112**

The owners of any ditch, canal, flume or reservoir in this state, taking water from any stream shall erect where necessary and maintain in good repair, at the point of intake of such ditch, canal, flume or reservoir, a suitable and proper headgate AND suitable and proper measuring flumes, weirs and devices.

# Administrative Orders on the Yampa River

- In February and March of 2013 a total of 31 orders were issued to water right owners and users located on the Yampa River between Stagecoach Reservoir and the confluence of Elkhead Creek and the Yampa River.
- This order required that they come into compliance by July 31, 2013.
- In the fall of 2013, it was found that 15 of these orders had not been complied with.
- The associated structures have been tagged by the water commissioner notifying the owner/user of the water right that they are not to divert water again until they have complied with the order.

# Administrative Orders on the Elk River

- In February 2013, this office sent out notices to every water right owner within the Elk River basin requesting that they assure that their structures were in compliance with CRS 37-84-112. This notice gave the owners until June 30, 2013 to come into compliance if they weren't already.
- Starting July 2013, field investigations were conducted to determine which structures were still not in compliance.
- It was found that there were over 100 structures not equipped with suitable and proper headgates and/or measuring devices.
- As a result, in September 2013, 75 orders were issued to the water right owners not in compliance.

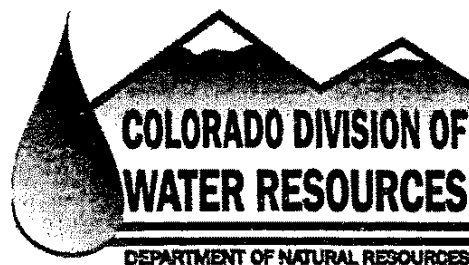
## **This order states that:**

The Water Commissioner will not permit the diversion of water, starting in the spring of 2014, if the matters set forth in this order have not been completed. The diversion of water after this time may result in an enforcement action pursuant to §37-92-503, which may subject you to fines of up to five hundred dollars (\$500) for each day violation of this order occurs.



## What actions will we be taking to enforce this order?

When irrigation begins to occur in the Elk River basin, the water commissioner will be visiting each structure to which an order has been issued and if the order has not been complied with he will shut any open headgates and will place a tag on the pump, headgate or near the point of diversion of said structure. This tag is not to be removed.



## THIS STRUCTURE

Has been closed/adjusted this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_,  
pursuant to Section 37-92-501, C.R.S. **DO NOT DISTURB** in any manner  
**UNDER PENALTY OF LAW.** See Sections 37-89-101 to 104, C.R.S.  
Information can be obtained by contacting the undersigned.

\_\_\_\_\_  
WATER COMMISSIONER

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_  
\_\_\_\_\_

# What does this mean?

- It means that if you are not in compliance with the order, you are not to divert water until you do come into compliance.
- If you do divert water contrary to the order:
  - We may lock the headgate;
  - You “shall forfeit and pay a sum not to exceed five hundred dollars for each day such violation continues”;
  - We “shall apply to the water judge for an injunction enjoining the person to whom such order was directed from continuing to violate the same”

# Administration of Elkhead Creek

## Reservoir Releases

- After the completion of the enlargement of Elkhead Creek Reservoir in 2006, this office conducted a survey of the structures located from Elkhead Creek Reservoir to and through the entire critical habitat reach to determine which ones were not in compliance with CRS 37-84-112.
- The survey found that there were just over 90 structures failing to comply with this statute. That is to say they were not equipped with operable headgates and/or measuring devices.
- Because this office knew that releases were going to be made from Elkhead Creek Reservoir to provide additional flows through the critical habitat reach that would have to be protected, over 60 orders were issued in 2007 to owners needing to come into compliance.

**It took a while but eventually all the structures came into compliance!**





**We will eventually get there  
with the Current Orders**



# What Data Do Water Commissioners Collect and Measure?

- Ditches – a direct diversion from the stream
- Reservoirs
- Pumps
- Wells
- Springs/Seeps/Mines/Pipelines/Powerplants
- Measuring Points
- Minimum Flow Reaches/Reaches
- Recharge Areas

# Why do we collect measurements?

We are required by law to record water usage as best we can.

Knowledge of stream system aids in administering a call

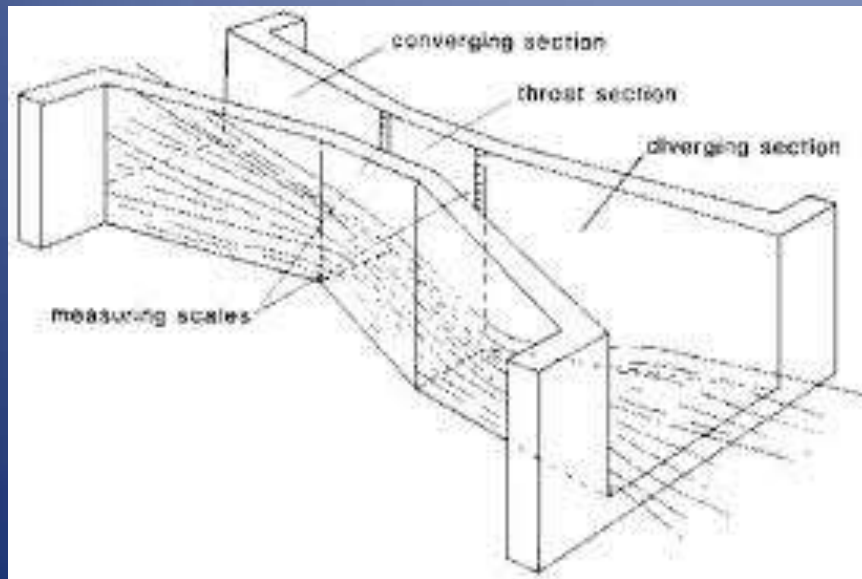
Your water right is only as valuable as what you use, measuring the water, helps determine that use.

Administrative purposes: For “call” type situations, you are limited to your decreed uses and water right amount.



# Measuring Stream Diversions The Parshall Flume

The Parshall Measuring Flume























































































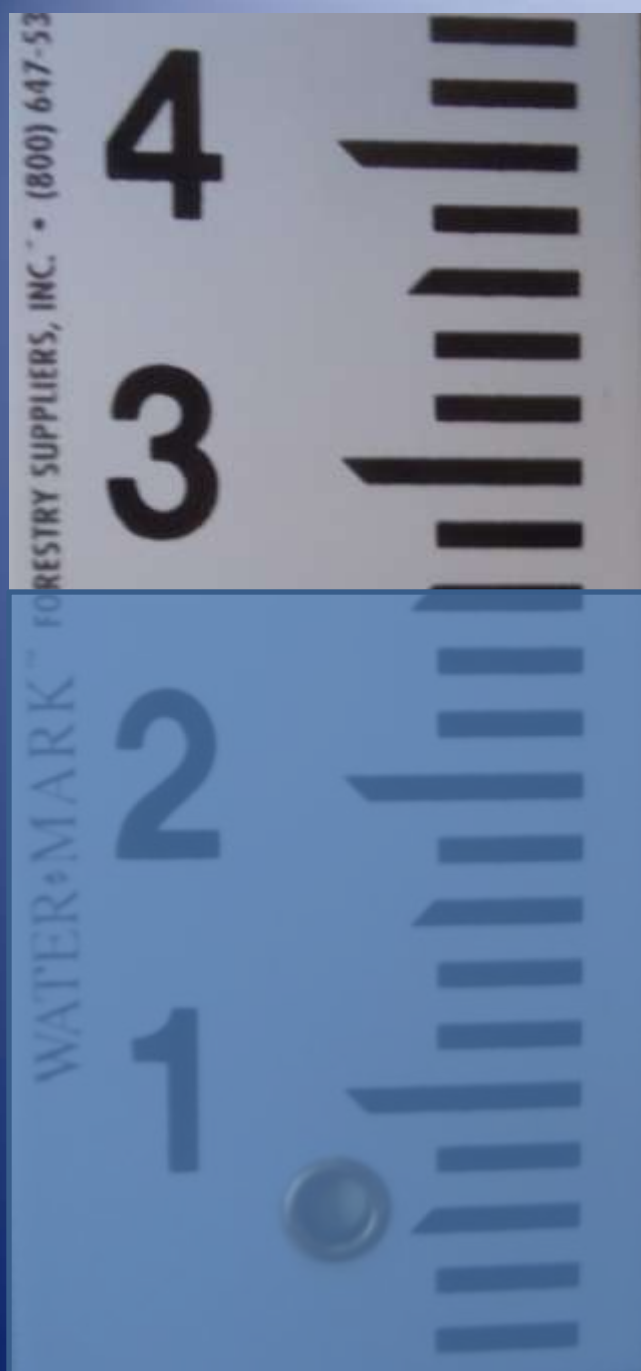






Flume Measurement	FLUME SIZE IN INCHES				
	3	6	9	12	18
<b>0.00</b>	0.000	0.000	0.000	0.000	0.000
<b>0.01</b>	0.001	0.001	0.003	0.004	0.005
<b>0.02</b>	0.002	0.004	0.008	0.010	0.015
<b>0.03</b>	0.004	0.008	0.014	0.019	0.027
<b>0.04</b>	0.007	0.013	0.022	0.030	0.042
<b>0.05</b>	0.010	0.018	0.031	0.042	0.060
<b>0.06</b>	0.013	0.024	0.041	0.055	0.079
<b>0.07</b>	0.016	0.031	0.052	0.070	0.100
<b>0.08</b>	0.020	0.038	0.064	0.086	0.123
<b>0.09</b>	0.024	0.046	0.077	0.102	0.148
<b>0.10</b>	0.028	0.054	0.091	0.120	0.174
<b>0.11</b>	0.033	0.063	0.105	0.139	0.201
<b>0.12</b>	0.037	0.072	0.120	0.159	0.230
<b>0.13</b>	0.042	0.082	0.135	0.179	0.260
<b>0.14</b>	0.047	0.092	0.152	0.201	0.292
<b>0.15</b>	0.053	0.103	0.168	0.223	0.324
<b>0.16</b>	0.058	0.114	0.186	0.246	0.358
<b>0.17</b>	0.064	0.125	0.204	0.270	0.393
<b>0.18</b>	0.070	0.137	0.223	0.294	0.429
<b>0.19</b>	0.076	0.149	0.242	0.319	0.466
<b>0.20</b>	0.082	0.162	0.262	0.345	0.505
<b>0.21</b>	0.089	0.175	0.282	0.372	0.544
<b>0.22</b>	0.095	0.188	0.303	0.399	0.584
<b>0.23</b>	0.102	0.202	0.324	0.427	0.626
<b>0.24</b>	0.109	0.216	0.346	0.456	0.668
<b>0.25</b>	0.116	0.230	0.368	0.485	0.711
<b>0.26</b>	0.123	0.245	0.391	0.515	0.756
<b>0.27</b>	0.131	0.260	0.414	0.545	0.801
<b>0.28</b>	0.138	0.276	0.438	0.576	0.847
<b>0.29</b>	0.146	0.291	0.462	0.608	0.894
<b>0.30</b>	0.154	0.307	0.487	0.640	0.942
<b>0.31</b>	0.162	0.324	0.512	0.673	0.990
<b>0.32</b>	0.170	0.340	0.537	0.706	1.040
<b>0.33</b>	0.179	0.357	0.563	0.740	1.090
<b>0.34</b>	0.187	0.375	0.589	0.774	1.142
<b>0.35</b>	0.196	0.392	0.616	0.809	1.194
<b>0.36</b>	0.204	0.410	0.643	0.845	1.246
<b>0.37</b>	0.213	0.428	0.671	0.881	1.300

June 2, 2014



Flume Measurement	FLUME SIZE IN INCHES				
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<b>0.00</b>	0.000	0.000	0.000	0.000	0.000
<b>0.01</b>	0.001	0.001	0.003	0.004	0.005
<b>0.02</b>	0.002	0.004	0.008	0.010	0.015
<b>0.03</b>	0.004	0.008	0.014	0.019	0.027
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July 8, 2014

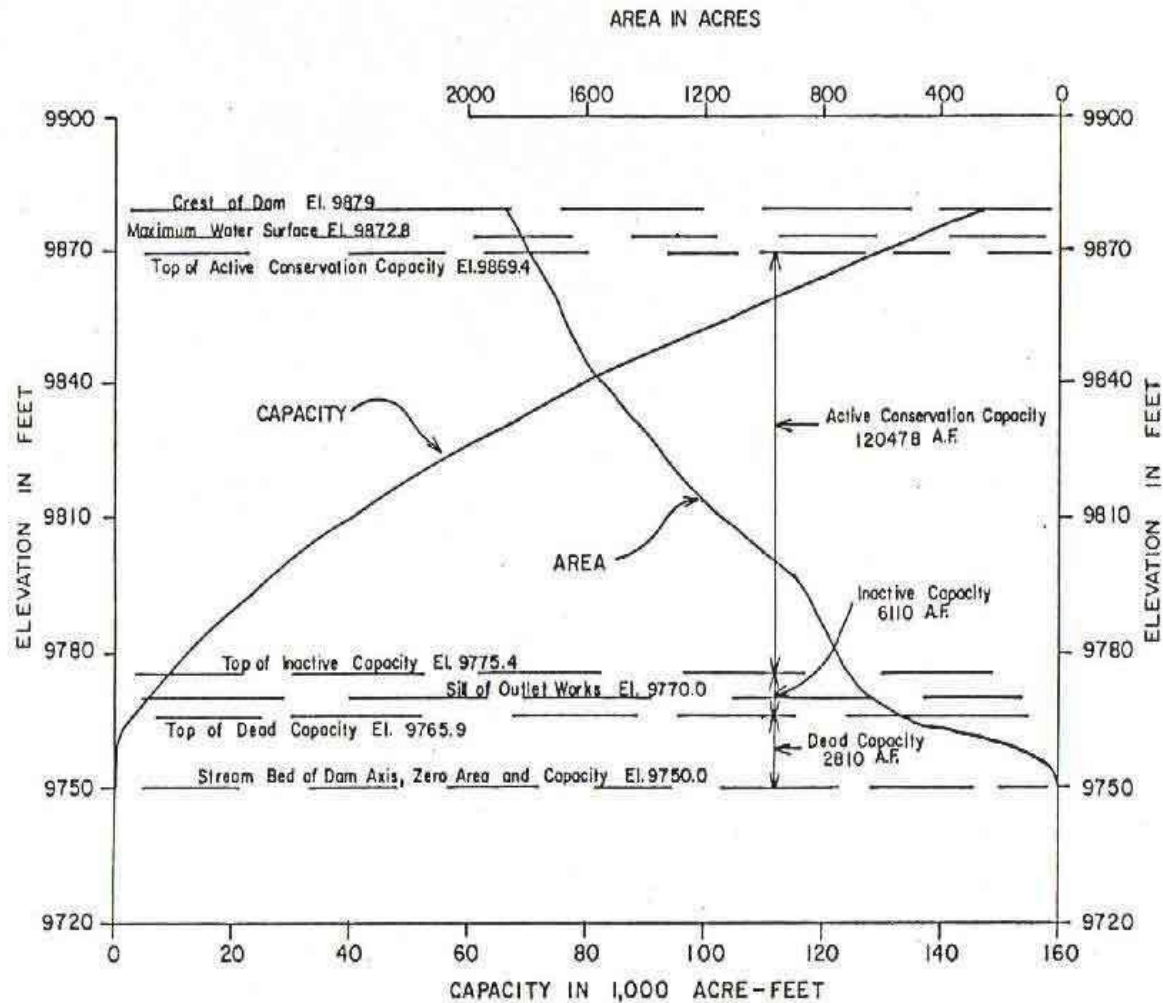


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August 20, 2014

# Measuring Storage in Reservoirs

Area Capacity Table for Reservoirs (Jurisdiction Dams Required)



ELEVATION (FEET)	AREA (ACRES)	CAPACITY (ACRE-FEET)
9750	0	0
9755	5	12
9760	202	530
9765	519	2332
9765.9	542	2810
9770	649	5252
9775	705	8637
9775.4	709	8920
9780	756	12290
9785	798	16175
9790	834	20255
9795	866	24505
9800	947	29037
9805	1051	34032
9810	1140	39510
9815	1225	45422
9820	1286	51700
9825	1355	58302
9830	1417	65232
9835	1492	72505
9840	1551	80112
9845	1601	87992
9850	1645	96107
9855	1681	104422
9860	1718	112920
9865	1755	121602
9869.4	1789	129398
9870	1794	130472
9872.8	1816	135525
9875	1833	139539
9879	1876	146960

## NOTES

Data from U.S.B.R. Drawing Nos. 382-706-1017, 382-706-1018 and 382-706-1020; scale 1"=400'; topography by Air Photo Surveys Incorporated, Invitation No. DS-6005, Contract No. 14-06-D-4921, Schedule I; and U.S.B.R. lake bottom soundings made January 29,

TURQUOISE LAKE  
FRYINGPAN-ARKANSAS PROJECT







## DAILY

capturing values (don't be afraid to put real values –  
amounts and dates)  
on/off values

## PUMPS AND WELLS

year data  
monthly data  
daily data

## RESERVOIRS

tracking use

Examples of data that is vague but can be helpful, may or may not be entered depending on what other info I have on the structure

“I turned the ditch on June 2<sup>nd</sup> and shut it off July 5<sup>th</sup> and back on July 30<sup>th</sup> and shut off for good August 8<sup>th</sup>”

“I used my pond for cattle only and I have 30 head of cattle, my pond was full end of June but dry by mid-August”

“Couldn’t get water into my ditch at all therefore I couldn’t use it this year”



# Examples of data that will not be entered

“Same as last year”

“1 cfs for the entire irrigation season”

“Full ditch from spring til creek was dry”

“I used whatever my water right is”

“What should I put down? You’re the water commissioner you should know”

Measurements without a measuring device



Division of Water Resources website at  
<http://water.state.co.us>



Colorado Foundation for Water Education website at  
[www.cfwe.org](http://www.cfwe.org)



CSU Water Institute website at  
[www.cwi.colostate.edu](http://www.cwi.colostate.edu)



The Water Report website at  
[www.thewaterreport.com](http://www.thewaterreport.com)



# Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewardship*

[Home](#)
[Ground Water](#)
[Surface Water](#)
[Data & Maps](#)
[Documents & Forms](#)
[Division Offices](#)

## DWR Home



The **Colorado Division of Water Resources (DWR)**, also known as the *Office of the State Engineer*, administers water rights, issues water well permits, represents Colorado in interstate water compact proceedings, monitors streamflow and water use, approves construction and repair of dams and performs dam safety inspections, issues licenses for well drillers and assures the safe and proper construction of water wells, and maintains numerous databases of Colorado water information. [More...](#)

### New! 2013 Flood Information

### New! Animas La Plata Administrative Protocol

This document is the Administrative Protocol produced by the State Engineer's Office for the State of Colorado.

### New! South Platte River Measurement Rules

The South Platte River Basin Measurement Rules have been approved by the Division 1 Water Court.

### News & Notes

[AskDWR](#)
[DWR Re](#)
[E-mail No](#)
[SURVEY](#)
[Division 1 \(Greeley\)](#)
[Division 2 \(Pueblo\)](#)
[Division 3 \(Alamosa\)](#)
[Division 4 \(Montrose\)](#)
[Division 5 \(Glenwood Springs\)](#)
[Division 6 \(Steamboat Springs\)](#)
[Division 7 \(Durango\)](#)


### Work for DWR!

Open DWR Positions  
Apply Today!

### Popular Data and Mapping Tools

- [Well Permit Search](#)
- [Real-time Streamflow](#)
- [Map Search \(AquaMap\)](#)
- [Water Rights Search](#)
- [More Data Search Tools...](#)

### Popular Topics

- [Arkansas River Irrigation Improvement Rules](#)
- [Rio Grande CREP Draft Programmatic Environmental Assessment](#)
- [San Luis Valley Advisory Committee](#)
- [Produced Nontributary Ground Water](#)
- [Well Permits by Type](#)

### Popular Resources

- [Water Court](#)
- [Colorado Revised Statutes](#)
- [Permit Application Forms](#)
- [Reports and Publications](#)
- [Records Research](#)



> Division Offices > **Division 6 (Steamboat Springs)**

+ **Division 1 (Greeley)**

+ **Division 2 (Pueblo)**

+ **Division 3 (Alamosa)**

+ **Division 4 (Montrose)**

+ **Division 5 (Glenwood Springs)**

+ **Division 6 (Steamboat Springs)**

Division 6 Events and Links

Active Calls in Division 6

+ **Division 7 (Durango)**



## Division 6 (Steamboat Springs): Yampa, White, and North Platte River Basins



[No Title]

Division 6 administers all water resources of the Yampa, White, and North Platte River Basins, in which unappropriated water remains available, and settles water-related issues. Division 6 also compiles diversion records and manages water monitoring for all Division 6 water resources.



### Division 6 Contacts, Events and Links

Division 6 Contact Information (Main Office: Steamboat Springs)

[Division 6 Events and Links](#)

#### News

[WHOA!! High Water](#)

[Elvis Iacovetto retires after 24 years](#)

### District Water Commissioners and Links

District 43: White River Basin

District 44: Lower Yampa River

District 47: North Platte River Basin

District 54: Slater/Timberlake Creeks

District 55: Little Snake River

District 56: Green River Basin

District 57: Middle Yampa River

District 58: Upper Yampa River

### Water Court

[Division 6 Water Court: Yampa, North Platte and White River Basins](#)

### Publications and Page Links

[Forms](#)

[Yampa, North Platte and White River Basins Water Rights Tabulations](#)

[Yampa, North Platte and White River Basins Abandonment Lists](#)

[Surface Water Supply Index \(SWSI\)](#)

### Online Data and Mapping Tools

[Map Search \(AquaMap\)](#)

[Realtime Streamflow](#)

[Well Permit Search](#)

[More Data Search Tools...](#)

[Yampa and White Decision Support System Overviews](#)





# Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewardship*[Home](#)[Ground Water](#)[Surface Water](#)[Data & Maps](#)[Documents & Forms](#)[Division Offices](#)[> Division Offices > Division 6 \(Steamboat Springs\) > Division 6 Events and Links](#)[+ Division 1 \(Greeley\)](#)[+ Division 2 \(Pueblo\)](#)[+ Division 3 \(Alamosa\)](#)[+ Division 4 \(Montrose\)](#)[+ Division 5 \(Glenwood Springs\)](#)[+ Division 6 \(Steamboat Springs\)](#)[Division 6 Events and Links](#)[Active Calls in Division 6](#)[+ Division 7 \(Durango\)](#)

## Division 6 Events and Links

Here you will find a listing of upcoming water-related events and recent news occurring in Division 6, though not all sponsored by the Colorado Division of Water Resources.

You will also find a variety of Division 6 specific links here. For general [Federal](#), [State](#) and [Local](#) Agency links, as well as for [water organizations and industry groups](#), please visit our general [Links](#) section. You can also access Water District Links, documents and contacts by selecting a district from the [Division 6 homepage](#).

### No Upcoming Events

There are no upcoming events listed specifically for the Division at this time, so please see our list of DWR and Related Community Events instead.

### Division 6 Links

- [North Platte Basin Roundtable](#)
- [Yampa/White/Green Basins Roundtable](#)
- [Upper Yampa Water Conservancy District](#)
- [Elk River's Over-appropriation News](#)
- [Elvis Iacovetto retires after 24 years](#)  
Elvis Iacovetto retires after 24 years of water administration on the Upper Yampa River.

### Division 6-Specific Documents

[Division 6 Water Districts Map \(png\)](#)[Elk River Over-appropriation Discussion \(pdf\)](#)  
Power Point Presentation on the designation of the Elk River as over-appropriated.[User Supplied Reservoir Records \(pdf\)](#)[User Template for Daily Structures \(pdf\)](#)[User Template For Wells and Pumps \(pdf\)](#)[Search A-Z Topics](#)[A](#)[B](#)[C](#)[D](#)[E](#)[F](#)[G](#)[H](#)[I](#)[J](#)[K](#)[L](#)[M](#)[N](#)[O](#)[P](#)[Q](#)[R](#)[S](#)[T](#)[U](#)[V](#)[W](#)[X](#)[Y](#)[Z](#)



# Colorado Division of Water Resources

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## Active Calls in Division 6

[Back to Division 6 Homepage](#)

Division:

Division 6 - Yampa/White ▼

[Active Calls](#)[Date Range](#)[Water Source](#)[Structure Name](#)

Press Submit Request Button for Active Calls

[Submit Request](#)

Call Type	Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts
Tributary	2010-12-03 12:00	Active	WILLOW CK	5401156	NORRIS SPRING NO. 1	1995-06-01	55152.53112	0.0110 CFS	

1 records returned

Output Format:

Adobe Acrobat (Preferred for Printing) ▼

[Generate Report](#)



# CALL CHRONOLOGY

tems - Windows Internet Explorer

co.us/ONLINETOOLS/Pages/CallChronology.aspx

ools Help

Normal Black and White Text Only Picnik Preview Schedule

Sites Get more Add-ons

stems

- Research historical call scenarios for a given time period

Developed for Internet Explorer version 8 or higher. **(Make sure that Pop-up blocking is turned off for cdss.state.co.us and www.dwr.state.co.us).**

Division:

Division 6 - Yampa/White

Active Calls

Date Range

Water Source

Structure Name

Press Submit Request Button for Active Calls

Submit Request

Call Type	Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Distr
Tributary	2010-12-03 12:00	Active	WILLOW CK	5401156	NORRIS SPRING NO. 1	1995-06-01	55152.53112	0.0110 CFS	
Tributary	2013-05-02 08:01	Active	TALAMANTES CK	5600570	PRESTOPITZ DITCH	1882-04-01	11779.00000	3.3300 CFS	
Tributary	2013-05-31 10:00	Active	JEFFWAY GULCH	4400746	ROBERTSON DITCH	1916-04-30	31895.24226	1.3000 CFS	
Tributary	2013-06-05 09:00	Active	WEST FISH CK	5700544	HIGHLAND DITCH	1889-09-13	14501.00000	13.3300 CFS	
Tributary	2013-06-17 14:00	Active	LITTLE BEAR CK	4400688	LITTLE BEAR DITCH	1887-10-10	13797.00000	11.5000 CFS	
Tributary	2013-08-28 08:00	Active	ROARING FORK	4700961	WOLFER DITCH	1898-05-15	17667.00000	6.3000 CFS	
Tributary	2013-09-10 08:00	Active	SMITH CK	5800917	VAIL SAVAGE DITCH	1903-04-15	19985.19462	4.5000 CFS	
Tributary	2013-09-20 08:00	Active	PICEANCE CK	4300948	SQUARE S CONS D SYS	1887-04-27	13631.00000	4.0000 CFS	

8 records returned

Output Format:

Adobe Acrobat (Preferred for Printing)

Generate Report

Internet | Protected Mode: On

Desktop



# Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewardship*

[Home](#)[Ground Water](#)[Surface Water](#)[Data & Maps](#)[Documents & Forms](#)[Division Offices](#)

## DWR Home



The **Colorado Division of Water Resources (DWR)**, also known as the *Office of the State Engineer*, administers water rights, issues water well permits, represents Colorado in interstate water compact proceedings, monitors streamflow and water use, approves construction and repair of dams and performs dam safety inspections, issues licenses for well drillers and assures the safe and proper construction of water wells, and maintains numerous databases of Colorado water information. [More...](#)

### New! 2013 Flood Information

### New! Animas La Plata Administrative Protocol

This document is the Administrative Protocol produced by the State Engineer's Office for the State of Colorado.

### New! South Platte River Measurement Rules

The South Platte River Basin Measurement Rules have been approved by the Division 1 Water Court.

### News & Notification

- [AskDWR Information Request](#)
- [DWR Recent News Articles ...](#)
- [E-mail Notification by Selected Topic](#)
- [SURVEY! Please share your views...](#)



**Work for DWR!**  
Open DWR Positions  
Apply Today!

### Popular Data and Mapping Tools

- [Well Permit Search](#)
- [Real-time Streamflow](#)
- [Map Search \(AquaMap\)](#)
- [Water Rights Search](#)
- [More Data Search Tools...](#)

### Popular Topics

- [Arkansas River Irrigation Improvement Rules](#)
- [Rio Grande CREP Draft Programmatic Environmental Assessment](#)
- [San Luis Valley Advisory Committee](#)
- [Produced Nontributary Ground Water](#)
- [Well Permits by Type](#)

### Popular Resources

- [Water Court](#)
- [Colorado Revised Statutes](#)
- [Permit Application Forms](#)
- [Reports and Publications](#)
- [Records Research](#)



# WELL PERMIT SEARCH

State of Colorado Water Resources - Well Permit Search - Windows Internet Explorer

http://www.dwr.state.co.us/WellPermitSearch/default.aspx

File Edit View Favorites Tools Help

LEXMARK Print Now: Normal Black and White Text Only Picnik Preview Schedule

Favorites Suggested Sites Get more Add-ons

State of Colorado Water Resources - Well Permit Search

Colorado Division of Water Resources  
Focused on Colorado's People, Water and Stewardship

Colorado's Well Permit Search

Available Search Options:

Permit Number Receipt Owner Location (PLSS) Location (UTM) Address Parcel ID Subdivision Actions

Permit Number Number Suffix Rpl

[-] Additional Filters

☐ Limit to Geographical Area  
County  
ADAMS  
ALAMOSA  
ARAPAHOE  
ARCHULETA  
BACA  
BENT  
BOULDER  
BROOMFIELD

☐ Limit to Use  
ALL BENEFICIAL USES  
AUGMENTATION  
COMMERCIAL  
DOMESTIC  
EVAPORATIVE  
FIRE  
FISHERY  
GEOTHERMAL  
HOUSEHOLD USE ONLY  
INDUSTRIAL

☐ Limit to Status  
Application Denied  
Application Received  
Application Unacceptable  
Application Withdrawn  
Permit Canceled  
Permit Expired  
Permit Extended  
Permit Issued; Completion Status Unknown  
Well Abandoned  
Well Constructed

Search Help Search Hints

Export Results

Last Refresh: 9/23/2013 12:00:37 AM

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Home | Contact Us | Help | Water Links | Colorado.gov | DNR | Privacy Policy | Transparency Online Project (TOP)

Internet | Protected Mode: On

Desktop

# Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewa*

## Colorado's Well Permit Search

Available Search Options:

[Permit Number](#)
[Receipt](#)
[Owner](#)
[Location \(PLSS\)](#)
[Location \(UTM\)](#)
[Address](#)
[Parcel ID](#)
[Subdivision](#)
[Actions](#)

Applicant/Owner Name

[\[-\] Additional Filters](#)

☒ Limit to Geographical Area

County

PHILLIPS  
 PITKIN  
 PROWERS  
 PUEBLO  
 RIO BLANCO  
 RIO GRANDE  
 ROUTT

☐ Limit to Use

ALL BENEFICIAL USES  
 AUGMENTATION  
 COMMERCIAL  
 DOMESTIC  
 EVAPORATIVE  
 FIRE  
 FISHERY  
 GEOTHERMAL  
 HOUSEHOLD USE ONLY

☐ Limit to Status

Application Denied  
 Application Received  
 Application Unacceptable  
 Application Withdrawn  
 Permit Canceled  
 Permit Expired  
 Permit Extended  
 Permit Issued; Completion Status Unknow  
 Well Abandoned

[Search](#)

[Help](#)

[Search Hints](#)

Viewing 1 - 6 of 6 Results

	<a href="#">Receipt</a>	<a href="#">Permit</a>	<a href="#">Start Date</a>	<a href="#">End Date</a>	<a href="#">Owner/Applicant</a>	<a href="#">Q40</a>	<a href="#">Q160</a>	<a href="#">Sec</a>	<a href="#">TS</a>	<a href="#">RNG</a>	<a href="#">PM</a>	
<a href="#">View</a>	0444657	216256- -	UNKNOWN		KERNS DANA & BRIAN SIEGEL	NE	NW	31	2.0N	84.0W	S	
<a href="#">View</a>	0418838	203389- -	UNKNOWN		MCFADDEN BRIAN	NE	SW	13	5.0N	88.0W	S	
<a href="#">View</a>	0449742	219187- -	UNKNOWN		OLSON LISA & BRIAN	SE	NW	29	5.0N	85.0W	S	
<a href="#">View</a>	9503376	284003- -	UNKNOWN		RIPLEY BRIAN	NW	SE	3	1.0S	84.0W	S	
<a href="#">View</a>	9503501	284003- -A	UNKNOWN		RIPLEY BRIAN	NW	SE	3	1.0S	84.0W	S	
<a href="#">View</a>	9600745	257955- -	UNKNOWN		WRAY BRIAN L & KAREN L	SE	NE	23	6.0N	86.0W	S	SADDL

[Export Results](#)

Last Refresh: 2/27/2014 12:02:03 AM

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 [Colorado.gov](#) | 
 [DNR](#) | 
 [Privacy Policy](#) | 
 [Transparency Online Project \(TOP\)](#)



# REAL TIME STREAMFLOW

Colorado Division of Water Resources - Windows Internet Explorer

http://www.dwr.state.co.us/Surfacewater/default.aspx

File Edit View Favorites Tools Help

LEXMARK Print Now: Normal Black and White Text Only Picnik Preview Schedule

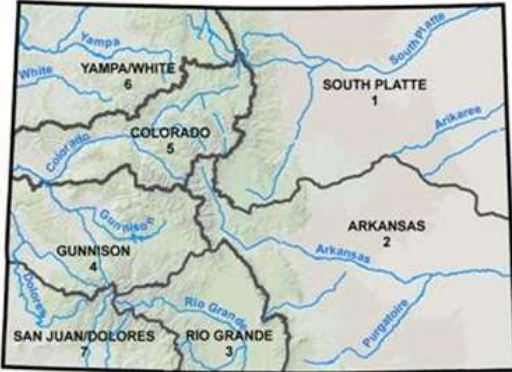
Favorites Suggested Sites Get more Add-ons

Colorado Division of Water Resources

## Colorado's Surface Water Conditions

Arkansas Colorado Gunnison Rio Grande San Juan/Dolores South Platte Yampa/White Login

### Colorado Division of Water Resources



The Colorado Division of Water Resources administers water rights and interstate compact agreements throughout the state. To administer these, the Division maintains a network of stream and reservoir monitoring sites which collect and transmit periodic data values.

To find a stream gage, select a division from the map on the left, enter a station abbreviation or select from the list below:

Abbreviation:

- ABC LATERAL (ABCLATCO)
- ALVA B. ADAMS TUNNEL AT EAST PORTAL NEAR ESTES PARK (ADATUNCO)
- ADOBE CREEK ABOVE ADOBE RESERVOIR (ADOAARCO)
- ADOBE CREEK BELOW ADOBE RESERVOIR (ADOBARCO)
- ADOBE RESERVOIR (ADORESCO)
- ADOBE VALLEY DITCH (ADOVALCO)
- ALAMOSA RIVER BELOW TERRACE RESERVOIR (ALABELCO)
- ALAMOSA RIVER BELOW RANGER CREEK NEAR JASPER (ALARANCO)
- ALAMOSA RIVER ABOVE TERRACE RESERVOIR (ALATERCO)

**New Features....**Click here for details

#### Additional Links

- Active Calls
- Archived Data Retrieval Program
- Colorado's Decision Support System
- Northern Colorado Water Conservancy District
- SNOTEL
- USGS Colorado
- U.S. Army Corp Of Engineers (Albuquerque District)
- U.S. Army Corp Of Engineers (Missouri River Region)
- WaterTalk
- My Stations**
- Hydrologic Management System

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Internet | Protected Mode: On

# Station List: My Stations

[Current Conditions](#)
[Graph\(s\)](#)
[Edit List](#)

current station values...

[Print Report](#)
[Error Codes](#)

Abbrev	Station Name	Parameter	Gage Ht	Value	Date/Time
ELKMILCO	ELK RIVER NEAR MILNER U.S. Geological Survey (Data Provider)	DISCHRG		Prov	Prov
YAMSTECO	YAMPA RIVER AT STEAMBOAT SPRINGS U.S. Geological Survey (Data Provider)	DISCHRG		Prov	Prov
YAMAYBCO	YAMPA RIVER NEAR MAYBELL U.S. Geological Survey (Data Provider)	DISCHRG		Prov	Prov
YAMBELCO	LAKE CATAMOUNT SPILLWAY	DISCHRG	28.30 ft	0 cfs	2/27/2014 02:00
YAMBELCO	LAKE CATAMOUNT SPILLWAY	ELEV		28.3 ft	2/27/2014 02:00
YAMELKCO	YAMPA RIVER ABOVE ELKHEAD CR NEAR HAYDEN, CO U.S. Geological Survey (Data Provider)	DISCHRG		Prov	Prov
WILBSLCO	WILLOW CREEK BELOW STEAMBOAT LAKE	DISCHRG	Ssn	Ssn	Ssn
STELAKCO	STEAMBOAT LAKE	ELEV		34.64 ft	2/27/2014 09:45
STELAKCO	STEAMBOAT LAKE	STORAGE		22699 AF	2/27/2014 09:45
PEARLACO	PEARL LAKE	ELEV		8036.33 ft	2/27/2014 10:00
PEARLACO	PEARL LAKE	STORAGE		5382 AF	2/27/2014 10:00

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[Provisional Data Disclaimer](#)



# AQUAMAP

Map Search (AquaMap) - Windows Internet Explorer

http://water.state.co.us/DataMaps/GISandMaps/AquaMap/Pages/default.aspx

File Edit View Favorites Tools Help

LEXMARK Print Now: Normal Black and White Text Only Picnik Preview Schedule

Favorites Suggested Sites Get more Add-ons

Map Search (AquaMap)

Colorado Department of Natural Resources Colorado.gov | Contact Us | Help | Search

## Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewardship*

Home Ground Water Surface Water **Data & Maps** Documents & Forms Division Offices

> Data & Maps > GIS and Maps > Map Search (AquaMap)

### Map Search (AquaMap)

**Data Search**

- GIS and Maps
  - Map Search (AquaMap)**
  - Map Viewer
  - NHD Stewardship
  - GIS Data for Download
  - Buy Maps
- Modeling / CDSS
- Records Research
- Web Services

**Status**

Map Search (AquaMap) is updated nightly with water well application, structure, and Oil and Gas Commission well location information. At this time, AquaMap is supported on Internet Explorer versions 6-8 and Google Chrome 12.x. Firefox and Internet Explorer 9 users should install Chrome by following the instructions under the FIRST TIME USERS for Windows 7 or VISTA.

User Documentation Quick Start Frequently Asked Questions

**FIRST TIME USERS MUST FOLLOW THE INSTRUCTIONS BELOW:**

Windows 2000/XP users click here... Windows VISTA/7 users click here...

**Disclaimer**

The Colorado Division of Water Resources (CDWR) information is provided for informational purposes only. CDWR makes no express or implied warranties or representations as to the accuracy, usefulness, timeliness or completeness of the information. CDWR assumes no liability for any damages that may result to any user as a direct or indirect result of any decision or action taken or not taken, based in whole or in part on use of the information. The user shall assume all risk of using the information.

Accept Disclaimer and Open AquaMap Decline and Return to GIS Section

**Need Help?** Please complete the AskDWR online information request form, choosing GIS as the topic.

Done Internet | Protected Mode: On 110%

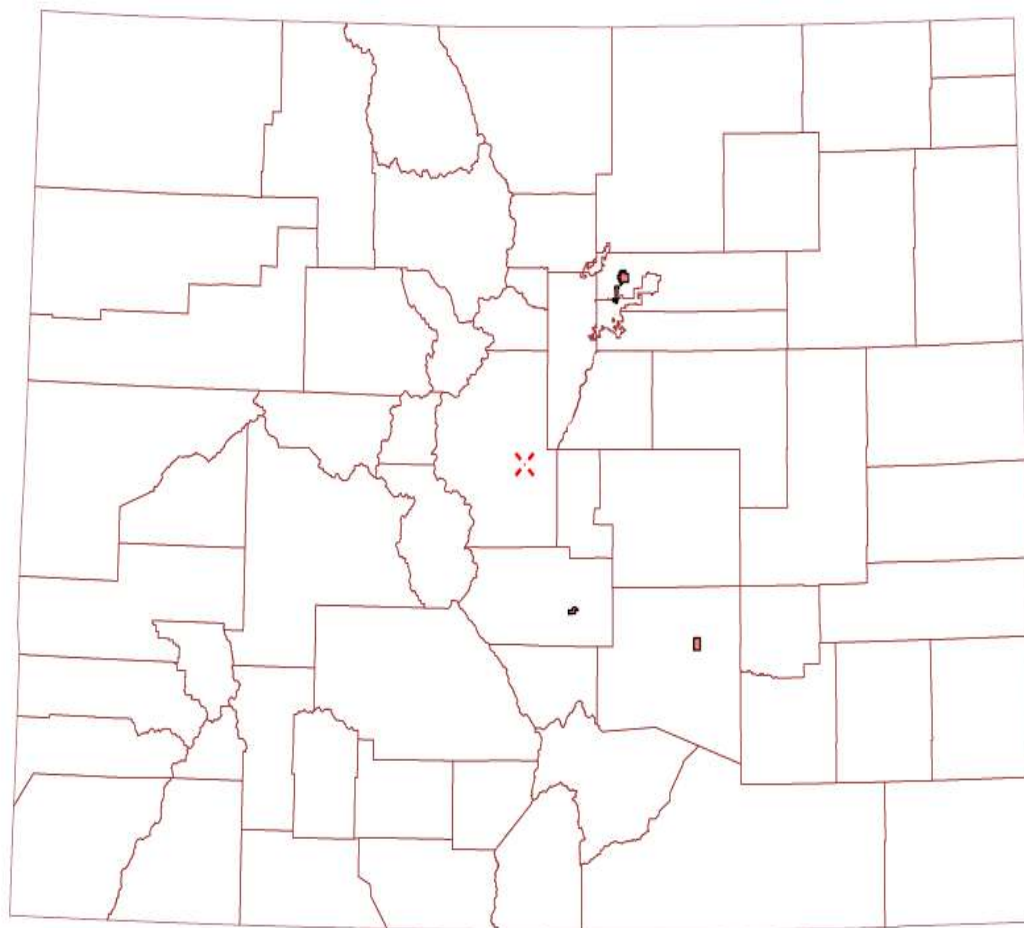
Desktop

# AQUAMAP

## Colorado Division of Water Resources

### Department of Natural Resources

Map created by xxx 9/23/2013



#### MAP NAVIGATION



Mode: Infomode  
 UTM X, Zone 13: 287817  
 UTM Y, Zone 13: 4085560  
 Long: -107° 22' 52.2"  
 Lat: 36° 53' 31.9"  
 UTM and Geographic(LL)  
 coordinates in NAD 83

#### DATA DISPLAY

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Background                             | <input checked="" type="checkbox"/> Counties               | <input type="checkbox"/> Water Well Applications               |
| 2011 Aerials  | <input checked="" type="checkbox"/> PLSS                   | <input type="checkbox"/> DWR Parcels                           |
| <input checked="" type="radio"/> Low <input type="radio"/> High | <input type="checkbox"/> Roads                             | <input checked="" type="checkbox"/> EPA Well Notification Area |
| Transparency  | <input type="checkbox"/> Hydrography                       | <input type="checkbox"/> Oil/Gas Well Location                 |
|   | <input type="checkbox"/> County Parcels (No Public Access) |  |
|   | <input type="checkbox"/> Towns                             | <a href="#">More Data</a>                                      |

#### LOCATION

Section Township Range Meridian  
 28 11 S 73 W Sixth  
[PLSS Locator](#) [Quick Zoom](#) [Spacing](#)

#### PRINTING

Output Scale Page Size User  
 3,452,083 8.5x11 [Create PDF](#)   
 Title

#### DATA ENTRY

[Authorized Users Only](#) [CDSS Irrigated Acres](#)

#### DETAILS

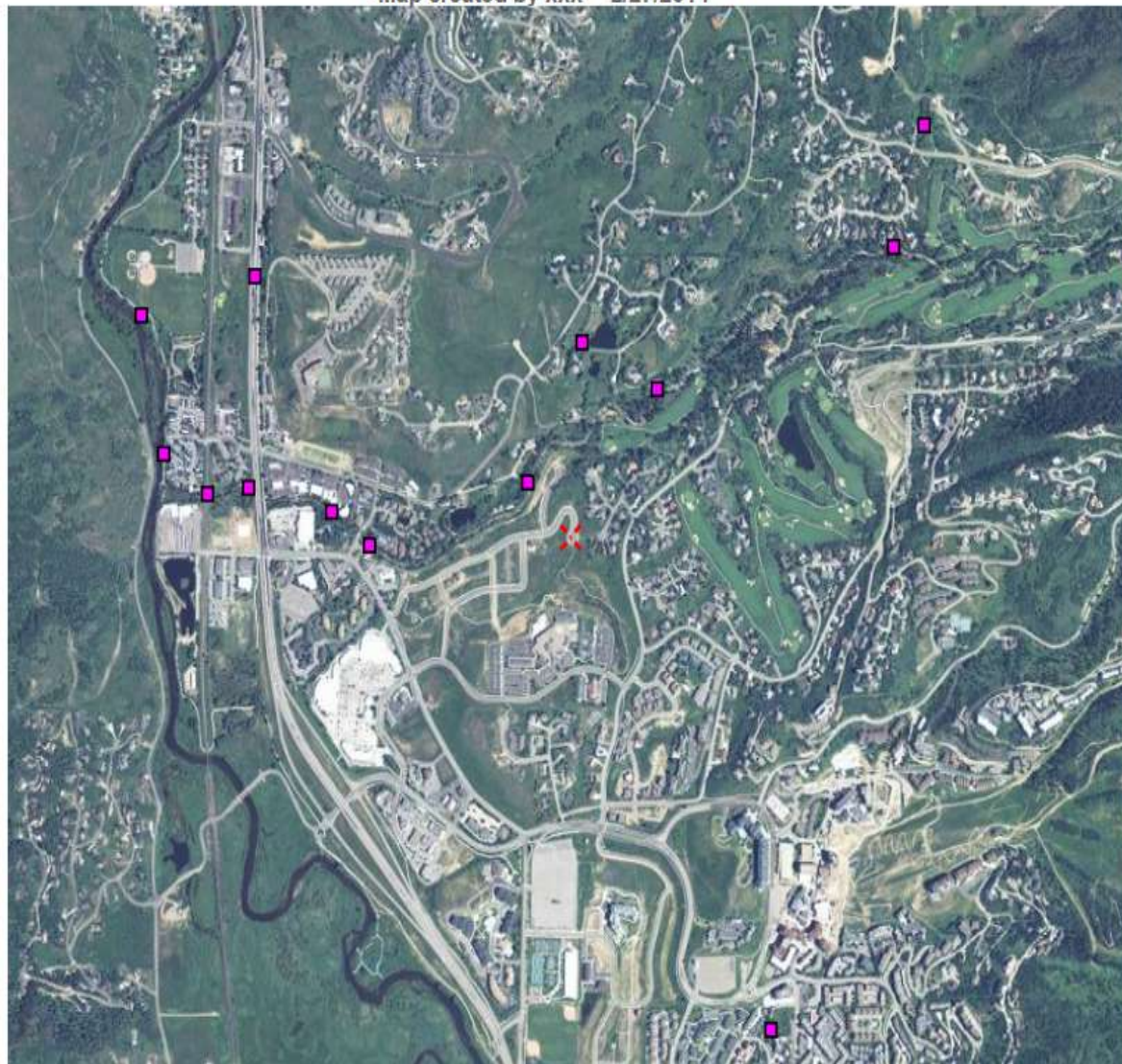


# AQUAMAP

## Colorado Division of Water Resources

### Department of Natural Resources

Map created by xxx 2/27/2014



11,833 ft



Based on work developed at <http://www.carto.net>

Address location by Bing Maps  
AquaMap Version 3.0.1 July 5, 2009

PLSS LOCATOR MENU

PLSS <=> UTM

Zone Conversions

Lat-Long

Section	Township	Range	Meridian
20 ▾	6 ▾ N ▾	84 ▾ W ▾	Sixth ▾
Q 160	Q 40	Dist. (ft N/S)	Dist. (ft E/W)
NE ▾	NW ▾	601 N ▾	1503 E ▾

Copy From Map

Zoom In Map

Easting UTM X (m)

344826

Northing UTM Y (m)

4481613

☒ Background
 ☒ Counties
 ☐ Water Well Applications

2011 Aerials ▾

☐ PLSS
 ☐ DWR Parcels

☒ Low ☐ High
 ☐ Roads
 ☐ EPA Well Notification Area

Transparency

☐ Hydrography
 ☐ Oil/Gas Well Location

☐ County Parcels (No Public Access)
 ☐ Towns
 

More Data

LOCATION

Section	Township	Range	Meridian
21 ▾	6 ▾ N ▾	84 ▾ W ▾	Sixth ▾

PLSS Locator

Quick Zoom

Spacing

PRINTING

Output Scale

19,949 ▾

Page Size

8.5x11 ▾

Create PDF

User

Title

DATA ENTRY

Authorized Users Only

CDSS Irrigated Acres

DETAILS

Layer: Structure

Name: TRAFALGAR PARK IRR DIVER

WDID: 5801782

Struct Type: Ditch

Feature Type: Point of Diversion

CIU: A

Source: YAMPA RIVER

UTM\_X: 344826.900000

UTM\_Y: 4481613.50000

Accuracy: Spotted from section lines

# WATER RIGHTS SEARCH

decreed rate, adjudication type, etc.

- View original decree files, where available.

Developed for Internet Explorer version 8 or higher. *(Make sure that Pop-up blocking is turned off for cdss.state.co.us and www.dwr.state.co.us).*

Division/Water District:

All - Entire State ▼

Date Last Refreshed:

2014-02-05

Structure Type:

All Structures ▼

Water Right Type:

Transaction List ▼

Sort Order:

Alpha (Structure) ▼

Water Right Name Case Number Source Priority Number Legal Location Use Decreed An







Source:

Starts With ▼

fortification

Submit Request

[Help?](#)

	Images	DIV	WD	ID	Water Right Name	Water Source	Q10	Q40	Q160	Sect	Twshp	Range	P
		6	44	853	AMY PUMP STATION	FORTIFICATION CK		SE	NW	3	8N	90W	S
		6	44	3678	BAKER	<div>Water Rights Report by Structure Name (Adobe) Water Rights Report by Water Right Name (Adobe) Water Rights Report by Location (Adobe) Water Rights Report by Stream Seniority (Adobe) Water Rights Report by Seniority (Adobe) Water Rights Report by WDID (Adobe) Results List Report as Adobe Results List Report as HTML Results List Export as Excel Results List Export as CSV Results List Export as Tab Delimited Water Rights Report by Structure Name (Adobe) ▼</div>			NE	12	9N	91W	S
		6	44	3678	BAKER				NE	12	9N	91W	S
		6	44	559	BROTH				NE	25	7N	91W	S
		6	44	559	BROTH				NE	25	7N	91W	S
		6	44	559	BROTH				NE	25	7N	91W	S

Generate Output





# Colorado Division of Water Resources

*Focused on Colorado's People, Water and Stewardship*

[Home](#)[Ground Water](#)[Surface Water](#)[Data & Maps](#)[Documents & Forms](#)[Division Offices](#)

> [Data & Maps](#) > [Data Search](#)

## Data Search

[GIS and Maps](#)[Modeling / CDSS](#)[Records Research](#)[Web Services](#)

## Data Search

The Colorado Division of Water Resources provides a wide range of water related research tools that are available online free of charge. These enable users to retrieve Division of Water Resources' water data contained within HydroBase; including streamflows, lake levels, water rights, diversion records, calls, etc. Additionally, tools like [Map Search \(AquaMap\)](#) and CDSS Map Viewer provide spatial toolsets to retrieve and analyze information. Research tools may be divided into two classes: Tabular Data Query Tools, which return textual, tabular data; and GIS / Mapping Tools, which use a GIS interface to display and retrieve data.

### Index

- ◆ [HydroBase Online Tools](#)
- ◆ [HydroBase Bulk Data Export](#)
- ◆ [Mapping / GIS Tools](#)
- ◆ [Water Administration Reports \(Daily/Monthly\)](#)

### Quick Links

- [Active Calls](#)
- [Agriculture and Livestock Statistics](#)
- [Bulk HydroBase Data Exporter](#)
- [Call Chronology](#)
- [Climate Stations](#)
- [Ground Water Logs and Other Data](#)
- [Ground Water Levels](#)
- [Published Streamflow](#)
- [Real-time Streamflow](#)
- [Structures \(Diversions\)](#)
- [Water Rights](#)
- [Well Permit Search](#)

Additional data and document research assistance is available through our [Records Research](#) section. Imaged documents, such as copies of well permit files and water court cases can be viewed via [Imaged Documents \(Weblink\)](#).

### HydroBase Online Tools

#### [Active Calls](#)

Active administrative calls placed on rivers and streams.

#### [Aquifer Determination Tools](#) *(These programs were historically known as SB5 and Dakota)*

Tools for estimating the top and bottom aquifer elevations and the thickness of the water yielding sands in the Denver Basin and Dakota/Cheyenne aquifers.

[Definitions](#) [User's Guide](#)



# Colorado's Decision Support Systems

[Basins](#)[Online Tools](#)[Software Products](#)[Modeling Data](#)[GIS Data](#)[Documents](#)[Home](#) > [Online Tools](#) > [Structures \(Diversions\)](#)

## Structures (Diversions)

[Help Files](#)

Structures (Diversion Records) provides historical daily (cfs) or monthly (acre-feet) diversion data and general water-rights information for structures such as ditches, reservoirs, and wells. Real-time diversion data is available through the [Real-Time Surface Water Conditions](#) page.

- [Structures \(Diversion Records\) Help File](#)
- [Structures \(Diversion Records\) Data Dictionary](#)

### Common Uses:

- Download diversion data (annual in acre-feet or daily in cfs) for a specific point of diversion
- Choose detailed diversion coding when researching for specific diversion types (e.g., irrigation vs. municipal) at a point of diversion
- Find general water rights information for a point of diversion; e.g., diversion type or decreed rate

Developed for Internet Explorer version 8 or higher. *(Make sure that Pop-up blocking is turned off for [cdss.state.co.us](#) and [www.dwr.state.co.us](#)).*

Water Division/District:

All - Entire State ▼

Last Refresh Date

Structure Type:

All Structures ▼

2014-02-05

Structure Name	Structure ID	Source	Legal Location	Decreed Amounts	Owner Name	Case Number
----------------	--------------	--------	----------------	-----------------	------------	-------------

Structure Name:

Starts With ▼

woolery

[Submit Request](#)

No Data To Display

### Results List Report:

Adobe Acrobat (Preferred for Printing) ▼

[Generate Report](#)

### Structure Reports:

[Diversion Records](#)[Structure Summary](#)



Structures (Diversion Records) provides historical daily (cfs) or monthly (acre-feet) diversion data and general water-rights information for structures such as ditches, reservoirs, and wells. Real-time diversion data is available through the [Real-Time Surface Water Conditions](#) page.

-  Structures (Diversion Records) Help File
-  Structures (Diversion Records) Data Dictionary

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Developed for Internet Explorer version 8 or higher. *(Make sure that Pop-up blocking is turned off for [cdss.state.co.us](http://cdss.state.co.us) and [www.dwr.state.co.us](http://www.dwr.state.co.us)).*

Water Division/District: All - Entire State ▼

Structure Type: All Structures ▼

Last Refresh Date

2014-02-05

Structure Name
Structure ID
Source
Legal Location
Decreed Amounts
Owner Name
Case Number

Structure Name: Starts With ▼ woolery

Submit Request

Select a row from the search results below to activate the reporting features

▶	5	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	6	58	944	WOOLERY DITCH		NW	NW	7	6N	84W	S			YAMPA RIVER	196
	1	6	6019	WOOLERY WELL 1-45707	SW	SE	SW	15	1N	70W	S			GROUNDWATER	0
	1	6	6020	WOOLERY WELL 2-46987	SW	SE	SW	15	1N	70W	S			GROUNDWATER	0

11 records returned

**Results List Report:**

Adobe Acrobat (Preferred for Printing) ▼

Generate Report

**Structure Reports:**

Diversion Records
Structure Summary

**Diversion Records:**

	Type	Time Step	Identifier	Quality	Start Year	End Year	Meas Count
	Diversion	Annual	Total		1909	2012	924
	Diversion	Annual	S:1 F: U:9 T: G:		1933	2012	276
	Diversion	Annual	S:1 F: U:8 T: G:		2005	2006	24
▶	Diversion	Annual	S:1 F: U:1 T: G:		1909	2012	912
	Diversion	Daily	Total		1909	2012	9650
	Diversion	Daily	S:1 F: U:9 T: G:		1933	2012	2271
	Diversion	Daily	S:1 F: U:8 T: G:		2005	2006	357
	Diversion	Daily	S:1 F: U:1 T: G:		1909	2012	7270

\* = Infrequent Diversion Record

To select multiple diversion records in the grid above, hold the Ctrl key and click on each row to select. Click again to unselect.

☐ Diversion Comments ( 1933 - 2012 )

**Reservoir/Release Data:**

☐ Summary (N/A)

☐ Measurements (N/A)

**Report Options:**

Start: 1909

To: 2012

Summary

Export



QUESTIONS?

