

StateView Training

Example: Determining Conditional Water Rights for Energy

Version: 4.02.00, 2011-07-15

Duration: Approximately 30 minutes

Level: Introduction

Colorado's Decision Support Systems

Developed by DWR and CWCB



This Presentation

- Explains how to use StateView to evaluate the question: “What are the conditional direct diversion water rights for energy use in the White River basin?”
- Is designed for self-paced training
- StateView requires that the HydroBase database is accessible

HydroBase Documentation

Colorado's Decision Support Systems

Developed by DV

<http://cdss.state.co.us>

Click on Products...HydroBase

Home Overviews Basin ▾ View Data ▾ Map Viewer Products ▾ Search

Any Location

Arkansas

Colorado

Dolores / SanJuan

Gunnison

Republican

Rio Grande

South Platte

Statewide

Yampa / White

Hydrobase

HydroBase is the State of Colorado's relational database, containing streamflow, diversion, water rights, and other data.

Information - HydroBase Online Tools

HydroBase Online Tools are utilities that query HydroBase and return data.

Description

File Type

[ADMINISTRATION: Active Calls](#)

Currently active calls by Division.

Online Applicati

[ADMINISTRATION: Streamflow Stations \(real-time data\)](#)

Real-time data collected from a network of satellite stations across the state of Colorado and the west.

Online Applicati

[ADMINISTRATION: Water Information Sheets](#)

Daily administrative data the shows how the river is being administered.

Online Applicati

[Call Chronology](#)

The history of administrative calls placed on the river.

Online Applicati

[Call Chronology Data Dictionary](#)

This document includes definitions of the fields in the Call Chronology online application.

Online Applicati

[Call Chronology User Manual](#)

This user manual includes a description of the Call Chronology online application, along with instructions on how to start using the tool.

Online Applicati

[Climate Stations](#)

Evaporation, Temperature, Precipitation and Snow Depth data from the Nation Oceanic and Atmospheric Administration's Colorado Agricultural Meteorological Network for the state of Colorado.

Online Applicati

[Climate Stations Data Dictionary](#)

This document includes definitions of the fields in the Climate Stations online application.

Online Applicati

[Climate Stations User Manual](#)

This user manual includes a description of the Climate Stations online application, along with instructions on how to start using the tool.

Online Applicati

[Groundwater - Other data](#)

Physical characteristic information collected about wells. Driller log information. Geoph

Online Applicati

Scroll down to Water Rights Data Dictionary for data definitions – this information is useful to explain data in this example

Reviewing Water Rights in StateView

- Select the Data...Water Rights menu in StateView
- Query data as illustrated in the following slides

StateView Water Rights View (1)

StateView - Water Rights - Query

Query Options:

Water Division/District: 43 - White River Basin

Water Rights Type: Net Amounts

Where: Decreed Rate (Cond), cfs > 0

Where: Use Contains IND

Where: Matches

Get Data

Column Order: Legal

Enter query options and press "Get Data"

Water Rights Records: 124 records returned in 0.047 seconds

	DIV	WD	ID	WATER RIGHT NAME	WATER SOURCE	LOCATION	COUNTY	ADJ DATE	PADJ DATE	APPF DATE
65	6	43	2572	EXXON UPPER PICEANCE CREEK DIVER...	PICEANCE CK	S 4S 95W 1 NE NW	RIO BLANCO	1998-12-31	1997-12-31	1998-
66	6	43	2573	EXXON PICEANCE CREEK DIV	PICEANCE CK	S 2S 97W 9 SE SE	RIO BLANCO	1998-12-31		1998-
67	6	43	2574	EXXON LOWER PICEANCE DIV	PICEANCE CK	S 1S				98-
68	6	43	2575	EXXON THIRTEEN MILE CREEK DIVERSION	THIRTEEN MILE CK	S 2S				98-
69	6	43	2576	EXXON WILLOW CREEK DIVERSION	WILLOW CK OF PICEANCE ...	S 4S				98-
70	6	43	2577	EXXON HUNTER CREEK DIVERSION	HUNTER CK	S 3S				98-
71	6	43	2578	EXXON UPPER FAWN CREEK DIVERSION	FAWN CK OF BLACK SUL...	S 3S				98-
72	6	43	2579	EXXON LOWER FAWN CK DIV	FAWN CK OF BLACK SUL...	S 2S				98-
73	6	43	2580	EXXON UPPER BLACK SULPHUR CREEK...	BLACK SULPHUR CK	S 3S				98-
74	6	43	2581	EXXON MID BLK SULPHUR DI	BLACK SULPHUR CK	S 2S				98-
75	6	43	2582	EXXON BLK SULPHUR-FAWN C	BLACK SULPHUR CK	S 2S				98-
76	6	43	2583	EXXON BLK SULPHUR-PIC DI	BLACK SULPHUR CK	S 2S				98-
77	6	43	2584	EXXON MIDDLE FORK STEWART CREE...	STEWART GULCH	S 4S				98-
78	6	43	2585	EXXON EAST FORK STEWART CREEK D...	STEWART GULCH	S 3S				98-
79	6	43	6053	OLDLAND BROS WELL I-4	TRIBUTARIES-PICEANCE CK	S 3S				55-I
80	6	43	6072	SAVAGE WELL NO 24-1	YELLOW CK	S 1S				67-I
81	6	43	6105	CAMP BIRD WELL 12A	TRIBUTARIES-PICEANCE CK	S 4S				73-I
82	6	43	6106	CAMP BIRD WELL 12	TRIBUTARIES-PICEANCE CK	S 4S 95W 9 NE NE	RIO BLANCO	1977-12-31	1976-12-31	1973-I

View

Print

Export

Close

View Report: Administrative Summary List (Admin #, ID)

124 records returned in 0.047 seconds.

Right click on WATER RIGHT NAME column and sort ascending. Then scroll to likely energy rights. Scroll to the right to see decree amount and other data. YELLOW JACKET CANAL has a 500 CFS conditional right.

StateView Water Rights View (2)

StateView - Water Rights - Query

Query Options:

Water Division/District: 43 - White River Basin

Water Rights Type: Transaction List

Where: Decreed Rate, cfs > 0

Where: Status Type (C, A, or CA) Matches C

Where: Matches

Get Data

Column Order: Associated Rights

Water Rights Records: 1276 records returned in 1.047 seconds

1259

6

43

2231

YELLOW CREEK DAM DIV

WHITE RIVER

S 2N 98W 13 NE NW

RIO BLANCO

1966-11-21

1958-11-26

19

1260

6

43

2231

YELLOW CREEK DAM DIV

WHITE RIVER

S 2N 98W 13 NE NW

RIO BLANCO

1974-12-31

1973-12-31

19

1261

6

43

2231

YELLOW CREEK DAM DIV

WHITE RIVER

S 2N 98W 13 NE NW

RIO BLANCO

1974-12-31

1973-12-31

19

1262

6

43

2232

YELLOW CREEK DITCH

WHITE RIVER

S 2N 98W 4 NE NE

RIO BLANCO

1911-09-05

1910-09-12

19

1263

6

43

266

S 1S 98W 29 SW NE

RIO BLANCO

1998-12-31

1997-12-31

19

1264

6

43

266

S 1S 98W 29 SW NE

RIO BLANCO

1998-12-31

1997-12-31

19

1265

6

43

266

S 1S 98W 20 SE NE

RIO BLANCO

1998-12-31

1997-12-31

19

1266

6

43

266

S 1S 98W 20 SE NE

RIO BLANCO

1998-12-31

1997-12-31

19

1267

6

43

266

S 1S 98W 21 NE NW

RIO BLANCO

1998-12-31

1997-12-31

19

1268

6

43

266

S 1S 98W 21 NE NW

RIO BLANCO

1998-12-31

1997-12-31

19

1269

6

43

266

S 1S 98W 15 NW SW

RIO BLANCO

1998-12-31

1997-12-31

19

1270

6

43

266

S 1S 98W 15 NW SW

RIO BLANCO

1998-12-31

1997-12-31

19

1271

6

43

266

S 1S 98W 29 SW NE

RIO BLANCO

1998-12-31

1997-12-31

19

1272

6

43

2662

YELLOW CREEK NO. 4

STAKE SPRINGS CK

S 1S 98W 29 SW NE

RIO BLANCO

1998-12-31

1997-12-31

19

1273

6

43

2233

YELLOW CREEK SPG NO 1

YELLOW CK

S 2N 98W 26 NW NE

RIO BLANCO

1977-12-31

1976-12-31

19

1274

6

43

2234

YELLOW CREEK SPG NO 2

YELLOW CK

S 2N 98W 35 NE SW

RIO BLANCO

1977-12-31

1976-12-31

19

1275

6

43

2235

YELLOW JACKET CANAL

NORTH FORK

S 1N 90W 30 NW SE

RIO BLANCO

1966-11-21

1958-11-26

19

1276

6

43

1024

YONCH DITCH POND ENLARGE

FLAG CK

S 2S 94W 14 NW NW

RIO BLANCO

1998-12-31

1997-12-31

19

View

Print

Export

Close

View Report: Standard Water Rights Report (ID, Admin #)

1276 records returned in 1.047 seconds.

Change Water Rights Type to "Transaction List" and do a similar query

Note that there is no limit on the number of records returned. However, the CDSS website interface has a 500 record limit.

Reviewing Water Rights Using Website

- Select the View Data...Water Rights menu in <http://cdss.state.co.us>
- Query data as illustrated in the following slides
- Also review scanned on-line water right court documents

Website Water Rights View (1)

Colorado's Decision Support Systems

Developed by DWR and CWCB



Can also access on the web:

<http://cdss.state.co.us>

View Data...Water Rights

Home Overviews Basin ▾ View Data ▾ Map Viewer Products ▾ Search

Division/Water District:

...43 - White River Basin

Structure Type:

1 - Ditch

Water Right Type:

Net Amounts

Date Last Refreshed:

2011-07-11

Sort Order:

Alpha (Structure)

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

Use: INDUSTRIAL [4]

Submit Request

[Help?](#)

No Data To Display

Enter the Use type and then
enter the decree amount
(next slide)

Output Options:

Tabulation Report by Admin no, ID (Adobe)

Website Water Rights View (2)

Colorado's Decision Support Systems

Developed by DWR and CWC



Home Overviews Basin ▾ View Data ▾ Map Viewer Products ▾ Search

Division/Water District: ...43 - White River Basin ▾

Date Last Refreshed: 2011-07-11

Structure Type: 1 - Ditch ▾

Water Right Type: Net Amounts ▾

Sort Order: Alpha (Structure) ▾

Case Number Source Priority Number Legal Location Use Decreed Amount Structure ID < >

Decree Type

Cond Rate (CFS) ▾

Operator

> ▾

Value

0.0000

Submit Request

[Help?](#)

	Images	DIV	WD	ID	Water Right Name	Water Source	Q10	Q40	Q160
		6	43	2521	BEAR POND DITCH	FLAC			
		6	43	3184	CORRAL GULCH BORROW AREA DITCH	COR			
		6	43	3171	CROOKS CREEK DITCH	CRO			
		6	43	2658	DRY FORK DITCH NO. 1	THU			
		6	43	2659	DRY FORK DITCH NO. 2	THU			
		6	43	623	ELK CREEK DITCH	ELK			
		6	43	2582	EXXON BLK SULPHUR-FAWN C	BLACK SULPHUR CK		SW	SW
		6	43	2583	EXXON BLK SULPHUR-PIC DI	BLACK SULPHUR CK		NW	NW
		6	43	2590	EXXON CORRAL CREEK DIVERSION	CORRAL GULCH		SE	NW
		6	43	2589	EXXON DUCK CREEK DIVERSION	DUCK CK		SE	NW
		6	43	2585	EXXON EAST FORK STEWART CREEK DIVERSION	STEWART GULCH		NW	SW
		6	43	2533	EXXON HUNTER CREEK DIVERSION	HUNTER CK		NW	SW

Enter the conditional decree amount and press "Submit Request"

Website Water Rights View (3)

Colorado's Decision Support Systems

Developed by DWR and CWCB



Home Overviews Basin ▾ View Data ▾ Map Viewer Products ▾ Search

Division/Water District:

...43 - White River Basin ▾

Date Last Refreshed:

2011-07-11

Structure Type:

1 - Ditch ▾

Water Right Type:

Transaction List ▾

Sort Order:

Alpha (Structure) ▾

Case Number Source Priority Number Legal Location Use Decreed Amount Structure ID < >


Structure ID:

2235

To: 2235

Submit Request

[Help?](#)

	Images	DIV	WD	ID	Water Right Name	Water Source	Q10	Q40	Q160	Sect	Twshp	Range	PM	County	
		6	43	2235	YELLOW JACKET CANAL	NORTH FORK		SE	NW	30	1N	90W	S	RBL	1

Also can review the related court document

Enter the structure identifier and submit the request

1 records returned

Output Options:

Water Rights Report by Structure Name (Adobe) ▾

Generate Output

Summary

- StateView provides direct access to HydroBase data...if you have HydroBase installed
- Queries are faster than website and have no limitations on number of records returned
- Website is more readily available to most users, but StateView can be used to fine tune query before telling others how to find the same information on the web

More Information

Help...View Documentation displays the StateView documentation. Help...View Training Materials displays other self-paced presentations.

See the Water Commissioner Manual and HydroBase documentation

Numerous task memoranda, reports, software documentation, and other documents provide technical information and are available on the CDSS web site:

<http://cdss.state.co.us>