

Price River Presentation (Carbon Water Conservancy District)

How do Water Rights Work

- Water Right Basics
- Schematic/Maps
- Decree(s)
- Proposed Determination
- Hydro Survey Maps
- Priority Schedule
- Real Time Data
- Price River Model

Laws

- **Riparian Rights**

- Landowners whose property border a natural water body
- Allow “reasonable” use of water for domestic, irrigation or livestock
- Does not harm other users or the waterway’s ecology

- **Prior Appropriation rights**

- First in time, first in right
- Diligence Claims, Underground Water Claims, Appropriations, court appointed
- Beneficial Use...
- Surface Rights 1903, Underground 1935

How do Water Rights Work

- Beneficial Use (73-1-3) is the measure and the limit of all rights to the use of water in the state
 - Irrigation
 - Domestic
 - Stock Watering
 - Municipal
 - Industrial
 - Storage
 -and federally

How do Water Rights Work

- A “person” entitled to use of water may file an application for a project to deliver water to a reservoir located in the Colorado River System
 - Colorado River Drought Contingency Plan
 - funded by the Bureau of Reclamation
 - water conservation program authorized by the state
 - DMPP, SCPP, Water Bank

Elements of a Water Right

- Place of use
 - parcel number or 40 acre tract
- Period of Use
 - March 15 to November 15
- Point of diversion
 - PLS system (tied to section corner)
- Nature of Use
 - Beneficial Use
- Priority Date
 - Date of filing
- Nature of the Right
 - Decree, Certificate, Diligence claim

Other components of a Water Right

- Ownership
 - conveyed by deed
- Class
 - Morris 1
- Supplemental Water Rights
 - Other rights that help beneficial use

Must change elements of water right by application

- Permanent Change Application
 - Approved indefinitely
- Temporary Change Application
 - Approved for time
- Fixed Time Application
 - Colorado River drainage

How do Water Rights Work

- A water right may be forfeited in a judicial action
 - 7 years nonuse
 - not contested for 15 year after use resumes

How do Water Rights Work

- Public Water Supplier (73-1-4)
 - Provides water directly or indirectly to public
 - A public entity
 - A water Corporation
 - Community water system w/ 100+ connections
 - Water Conservancy District (73-10-32)
- Can hold water rights indefinitely

Price River “Decree”

Water Rights that are determined by a court procedure

- Often referred to by the last name of the Judge signing the decree
- Often will have several water rights related to one decree
- Typically in result of a law suit

Price River “Decree”

How to find it

The screenshot shows the Utah Division of Water Rights website. The navigation menu at the top includes **Programs**, Meetings, Data, Law / Agreements, and Contact. The **Programs** dropdown menu is open, showing options like Water Rights, Dam Safety, Stream Alteration, Canal Inventory, Distribution, Enforcement, **Adjudication**, Proof, Title Transfers, Well Drilling, and Water Use Reporting. The **Adjudication** sub-menu is also open, showing General Adjudication Information, Active Adjudications, **Decrees**, Proposed Determinations, Hydrographic Survey Maps, Adjudication Status, and Governor Proclamations. The **Decrees** sub-menu is highlighted. The main content area shows a greeting "Good morning, Dave" and a description of the Utah Division of Water Rights (DWRi). Below this, there is a section titled "Water Right Decrees" with a revision date of October 12, 2021. A table lists decrees by county, with "Carbon County" selected. The table lists various creeks and canals with their respective decree dates. A red circle highlights the "Decrees By County" link. Below the table, there is a section titled "Decrees By River System" with a list of specific decrees.

Utah Division of Water Rights

Programs Meetings Data Law / Agreements Contact

Water Rights
Dam Safety
Stream Alteration
Canal Inventory
Distribution
Enforcement
Adjudication
Proof
Title Transfers
Well Drilling
Water Use Reporting

General Adjudication Information
Active Adjudications
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Good morning, Dave

The Utah Division of Water Rights (DWRi) is an agency within the Department of Natural Resources. We are responsible for the appropriation and administration of water rights.

Utah Division of Water Right Decrees

Revised: October 12, 2021

Listed below are Decrees covering the following counties:

Decrees By County

Carbon County

Decree	Date	Location
Argyle Creek	11/15/1900	Carbon County
Price River	12/18/1902	Carbon County
Minnie Maude Creek	10/22/1903	Carbon County
Price Canal Agreement	04/08/1910	Carbon County
Coal and Summit Creeks	03/19/1915	Carbon County
Grassy Trail Creek	11/07/1917	Carbon County
Soldier Creek	01/09/1919	Carbon County
Big Springs	02/04/1927	Carbon County
Price Canal	06/23/1933	Carbon County
Range Creek	10/13/1955	Carbon County
Grassy Trail Creek	09/24/1957	Carbon County
Grassy Trail Creek	09/24/1957	Carbon County
Price River	07/14/1961	Carbon County

Decrees By River System

- [Utah Lake Jordan River Morse Decree \(2861, 3449, 3459\)](#)
- [Provo River Decree \(2888 Civil\) Court Exhibits](#)
- [Sevier River \(Case 843\) Court Exhibit](#)
- [Johnson Creek \(85 Area\) 1896 McCarty Decree](#)
- [Johnson Creek \(85 Area\) Chidister Decree](#)
- [Johnson Creek \(85 Area\) Bates Decree](#)
- [Weber/Ogden River Decrees \(35 Area\)](#)

Next page...

Price River “Decree”

How to find it

Carbon County

Edit	11/15/1900	Argyle Creek
Edit	12/18/1902	Price River Morse 1-8 and Supp.
Edit	10/22/1903	Minnie Maude Creek
Edit	04/08/1910	Price Canal Agreement
Edit	03/19/1915	Coal and Summit Creeks
Edit	11/07/1917	Grassy Trail Creek
Edit	01/09/1919	Soldier Creek
Edit	02/04/1927	Big Springs
Edit	06/23/1933	Price Canal
Edit	10/13/1955	Range Creek
Edit	09/24/1957	Grassy Trail Creek
Edit	09/24/1957	Grassy Trail Creek
Edit	07/14/1961	Price River Keller Decree

Price River “Decree”

12/18/1902 Price River

The Tidwell Canal Company vs The Pioneer Ditch Company #1

Plaintiffs

- The Tidwell Canal Company

Defendants

- Farnham Ditch
- Albert McMullen (Wellington)
- Alred Ditch
- Pioneer Ditch Company #2
- Price Water Company
- W.D. Livingston for many individuals
- Spring Glen Canal
- Mammoth Reservoir Company
- Union Pacific Coal and Coke
- Church of Jesus Christ
- Pleasant Valley Coal
- Rio Grande Western Railway
- Pioneer Canal #1
- Price Reservoir and Irrigation Company
- Self representatives

MORSE 1-8

Price River "Decree"

Morris 1-8

The classes and parties entitled to water hereinbefore named are only entitled to the same in the order above set forth, and none of said classes or parties therein named are entitled to any of said waters until all of the proceeding classes and parties therein named have been supplied with the water to which they are entitled as above set forth; and whenever the waters distributed to any one class are insufficient to supply all of the parties in said class with the water to which they are entitled, then said waters shall be distributed to said parties pro rata according to their respective rights as above set forth.

That
a water commissioner for said year 1903 shall hereafter be appointed by order of the court, whose compensation shall be fixed in such order and his duty shall be to measure and determine from time to time the quantity of water flowing in said river, its tributaries and in the ditches diverting water therefrom, and distribute said water equitably among the persons entitled thereto under this decree, using the said duty of water

Price River “Decree”

Morris 1-8

Also makes reference to.....

White River Irrigation Company (Dissolved)

Mammoth Reservoir Company (Gooseberry)

Kyune

Winters Quarters

Spring Creek (Helper City)

Denver and Rio Grande Railroad

Union Pacific Coal Company

Beaver Creek

Price River “Decree” Order Correcting Decree 1904

John U. Bryner received 43 acres of 1st, 7 acres of 2nd, 7 acres 5th (Bryner Hansen Ditch)

Price River "Decree"

Supplemental Decree 1910

2. That the future permanent duty of the waters of the Price River and its tributaries involved in this action for the lands mentioned in the original decree in this action, and owned by the parties to this action and their successors in interest and irrigated thereby, is hereby fixed and determined to be one cubic foot per second for each sixty acres thereof, and the original decree in this is hereby modified accordingly.

MORSE 1-8
AWARDED BY ACRES
W/ 1CFS TO 65 ACRES

Price River Simplified Priority Schedule

	Class	1st -Morse Decree			2nd - Morse Decree			3-8 - Morse Decree		
Municipal Users	Helper City	5.84	5.84	8.71%	0.12	0.12	0.77%			
	Pacific Corp/ PRWID	0.00	0.00	5.34%	0.00	0.00	6.58%	0.00	0.00	43.24%
	Price City	5.71	5.71	8.52%						
North Carbon Diversion	Bryner Ploutz	1.38	1.38	2.05%	0.37	0.37	2.41%	0.25	0.25	22.52%
North Carbon Group	Bryner-Hansen	1.06	10.09	15.05%	0.117	0.23	1.54%	0.117	0.38	34.59%
	Gicoletto	0.02								
	Bruno	0.17								
	Spring Glen Canal	5.60								
	O'Berto Ditch	1.12								
	Stowell	2.13			0.117			0.267		
Gay Ditch Users	Gay	1.36	1.36	2.03%						
Wellington Canal	Pioneer #1	9.43	30.08	44.87%		12.86	84.56%			
	Pioneer #2	5.67								
	Price Water Co	5.00								
	Allred Ditch	6.06								
	Wellington Canal	3.91			12.86					
Carbon Coutry Club	Country Club	0.66	0.66	0.25%						
Carbon Canal	Carbon	8.83	8.83	13.17%	0	0.33	2.17%			
		63.95	63.95	100%	13.91	13.91	100%	0.63	0.63	100%
	Cumulative Flows in River		63.95			77.86			78.49	

TODAY

NOTE:
White River,
Colton, etal no
longer irrigate

Price River “Decree”

7/14/1961 Price River

The Tidwell Canal Company vs The Pioneer Ditch Company #1

Plaintiffs

- Allred Ditch Company
- Bryner-Hansen Ditch Company
- Pioneer Ditch Company No. 1
- Pioneer Ditch Company No. 2
- Price Water Company
- Spring Glen Canal Company
- Stowell Mutuall Water and Canal Company
- Wellington Canal Company
- Bryner-Ploutz Ditch Company
- Gay Ditch Company

Defendants

- State Engineer
- Deputy State Engineer
- Water Commissioner
- Carbon Canal Company

Interpleaded Defendants

- Utah Power and Light Company
- Independent Coal and Coke Company
- Price City
- Helper City
- Price River Water Users Association
- United States Steel Corporation

Keller 3 and 5

Price River “Decree”

Keller 3 and 5

plaintiffs are entitled, and they are hereby awarded rights to the use of the
natural flow waters of the Price River and its tributaries as hereinafter
provided in addition to the rights awarded to them and their predecessors in
interest under the Decree dated December 18, 1902 made and entered by the
said C. W. Morse, District Judge, as amended by Order Correcting Decree,
dated November 28, 1904, made and entered by the said C. W. Morse, District
Judge, in the same title and cause.

Simply stated, Judge Keller agreed with Judge Morse (Morse 1-8)

Price River "Decree"

Keller Decree (Item 3)

3. That as among the plaintiffs herein the forty (40) percent of the said first eighty (80) cubic feet persecond of water awarded collectively to them in the next preceding paragraph 2 shall be divided on equal priorities among the plaintiffs as follows:

Allred Ditch Company	13.625 percent
Pioneer Ditch Company No. 1	13.906 percent
Pioneer Water Company No. 2	11.937 percent
Price Water Company	11.094 percent
Wellington Canal Company	13.344 percent
Spring Glen Canal Company	13.906 percent
Stowell Mutual Water Company	7.531 percent
Bryner-Ploutz Ditch Company	6.094 percent
Bryner-Hansen Ditch Company	4.125 percent
Gay Ditch Company	4.438 percent

4. The sixty (60) percent of the eighty (80) cubic feet per second of water awarded to the Carbon Canal Company and the Utah Power & Light Company

Price River “Decree”

Keller Decree (Item 5)

5. That the natural flow waters of the Price River and its tributaries in excess of the quantities of flow necessary to satisfy all existing water rights from the Price River and its tributaries, including those water rights evidenced by Applications filed with the State Engineer prior to the date hereof, whether approved or unapproved, shall be divided on equal priorities among the following parties to the extent of the carrying capacities of their respective ~~canals~~ as follows:

Price River “Decree”

Keller Decree (Item 3 and 5)

Price River Simplified Priority Schedule

	Class	1st -Morse Decree			2nd - Morse Decree			3-8 - Morse Decree			9th - Keller 3A			10th - Keller 3B	11th - Keller 5		
Municipal Users	Helper City	5.84	5.84	8.71%	0.12	0.12	0.77%										
	Pacific Corp/ PRWID	0.00	0.00	5.34%	0.00	0.00	6.58%	0.00	0.00	43.24%							
	Price City	5.71	5.71	8.52%													
North Carbon Diversion	Bryner Ploutz	1.38	1.38	2.05%	0.37	0.37	2.41%	0.25	0.25	22.52%	1.95	1.95	2.43%		0.014	0.014	0.003%
North Carbon Group	Bryner-Hansen	1.06	10.09	15.05%	0.117	0.23	1.54%	0.117	0.38	34.59%	1.32	8.33	10.39%		0.678	7.17	1.60%
	Gicoletto	0.02															
	Bruno	0.17									0.15				0.12		
	Spring Glen Canal	5.60									4.45				4.88		
	O'Berto Ditch	1.12															
	Stowell	2.13			0.117			0.267			2.41				1.491		
Gay Ditch Users	Gay	1.36	1.36	2.03%							1.42	1.42	1.77%		7.00	7.00	1.57%
Wellington Canal	Pioneer #1	9.43	30.08	44.87%		12.86	84.56%				4.45	20.45	25.51%		37.8	173.70	38.87%
	Pioneer #2	5.67									3.82				32.4		
	Price Water Co	5.00									3.54				30.2		
	Allred Ditch	6.06									4.37				37		
	Wellington Canal	3.91			12.86						4.27				36.3		
Carbon Coutry Club	Country Club	0.66	0.66	0.25%													
Carbon Canal	Carbon	8.83	8.83	13.17%	0	0.33	2.17%				48.00	48.00	59.89%	55.10	259.00	259.00	57.96%
		63.95	63.95	100%	13.91	13.91	100%	0.63	0.63	100%	80.15	80.15	100%	55.10	446.88	446.88	100%
	Cumulative Flows in River		63.95			77.86			78.49			158.64		213.74		660.62	

Proposed Determination (Adjudication)

The state engineer's recommendation to the district court of the nature and extent of water rights in a particular drainage basin or on a river system as required under the adjudication statutes, Section 73-4, Utah Code Annotated, 1953. Books are published and distributed to the water users. Water users can protest the state engineer's findings and recommendations as set forth in the book and accompanying hydrographic survey maps. These protests are resolved through stipulated settlement or trial. After the protests are resolved the district judges issues a final decree setting forth the nature, extent and relative priority dates of the water rights in the area.

Price River Proposed Determination was never signed....

Proposed Determination (Adjudication)

Utah Division of Water Rights

Programs Meetings Data Law / Agreements Contact Us

Water Rights
Dam Safety
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Governor Proclamations

Good morning, Dave

The Utah Division of Water Rights (DWRi) is an agency of Utah State Government within the Department of Natural Resources that administers the appropriation and distribution of the State's valuable water resources.

[Dam Safety](#)
[Stream Alterations](#)
[Adjudication](#)

Date Published

PRICE RIVER ADJUDICATION (Carbon County Civil No. 8598)		
91-1	Book No. 1	11/01/71
91-2	Book No. 2	12/01/71
91-3	Book No. 3	02/01/72
91-4	Book No. 4	04/01/72
91-5	Book No. 5	05/01/72
91-5	Book No. 5B	09/13/10
91-6	Supplement	08/01/72
92-7	Lower Green River Division	06/01/78

Addendum for
Range Creek
Area

Utah Division of Water Rights

State of General Adjudication in Utah

Revised: October 16, 2017

Listed below are links to the legal status of Proposed Determinations in Utah Water Right General Adjudications. To view a document click on the highlighted text. Adjudication refers to a judicial process whereby water rights are determined or decreed by a court of law. A Proposed Determination of Water Rights book (PD Book) is the state engineer's recommendation to the district court of the nature and extent of water rights in a particular drainage basin or on a river system as required under the adjudication statutes, Section 73-4, Utah Code Annotated, 1953. Books are published and distributed to the water users. Water users can protest the state engineer's findings and recommendations as set forth in the book and accompanying hydrographic survey maps. These protests are resolved through stipulated settlement or trial. After the protests are resolved the district judges issues a final decree setting forth the nature, extent and relative priority dates of the water rights in the area.

Proposed Determination (Adjudication)

The screenshot shows the Utah Division of Water Rights website. The main navigation bar includes 'Programs', 'Meetings', 'Data', and 'Law / Ag'. The 'Programs' menu is open, and 'Proposed Determinations' is highlighted with a red circle. Other menu items include 'Water Rights', 'Dam Safety', 'Stream Alteration', 'Canal Inventory', 'Distribution', 'Enforcement', 'Adjudication', 'Proclamation', 'Title Transfers', 'Well Drilling', and 'Water Use Reporting'. The 'Adjudication' link is also circled in red. The main content area displays 'State of General Adjudication in Utah' with a revised date of October 16, 2017. A paragraph explains the adjudication process, mentioning the 'Proposed Determination of Water Rights book (PD Book)'. A sidebar on the right lists links for 'Dam Safety', 'Stream Alterations', and 'Adjudication'.

[Proposed Determinations \(PD\) Books Area 91](#) AREA 91 - ALL BOOKS - DUTY ADDENDUM,2003,JERRY OLDS

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 1; WATER RIGHTS IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE,1971,HUBERT C. LAMBERT

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 2; WATER RIGHTS IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE,1971,HUBERT C. LAMBERT

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 3; WATER RIGHTS IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE,1972,HUBERT C. LAMBERT

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 4; WATER RIGHTS IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE,1972,

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 5; SECOND ADDENDUM; RANGE CREEK SUBDIVISION,2010,UTAH DIVISION OF WATER RIGHTS

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 5; WATER RIGHST IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE,1972,HUBERT C. LAMBERT

[Proposed Determinations \(PD\) Books Area 91](#) BOOK 6; WATER RIGHTS IN THE PRICE RIVER AND LOWER GREEN RIVER DRAINAGE; SUPPLEMENT, PENDING APPLICATIONS, DISALLOWED CLAIMS, AND INDEXES,1972,

See next slide
for map

Proposed Determination (Adjudication)



Price River Decree Active Water Rights

2010-2018

April - October

Preliminary – Subject to Revision

Canal	100% CFS (cumulative)	Avg Number Days
Morris 1	63.95	150
Morris 2	77.86	10
Morris 3-8	78.49	1.5
Keller 3A	158.64	25
Keller 3B	213.74	8
Keller 5	660.62	32
Total		226 days

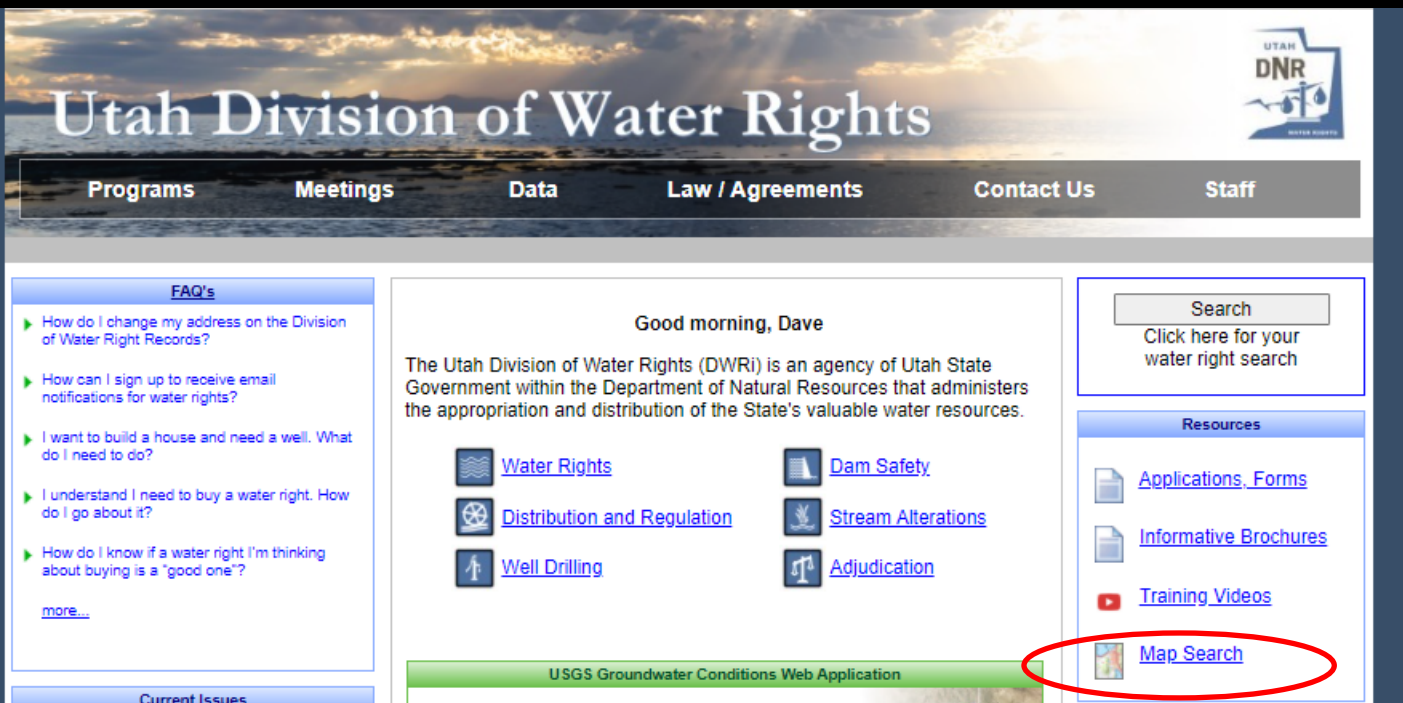
Priority Schedule

See Handout for Full Priority Schedule

LINK

Hydro Survey Maps

i.e. adjudication maps



The screenshot shows the homepage of the Utah Division of Water Rights. At the top is a banner with the title "Utah Division of Water Rights" and the DNR logo. Below the banner is a navigation bar with links: Programs, Meetings, Data, Law / Agreements, Contact Us, and Staff. The main content area is divided into three columns. The left column contains a "FAQ's" section with five questions and a "more..." link. The middle column has a "Good morning, Dave" greeting, a paragraph about the division, and a grid of links: Water Rights, Dam Safety, Distribution and Regulation, Stream Alterations, Well Drilling, and Adjudication. The right column features a "Search" box, a "Resources" section with links to Applications, Forms, Informative Brochures, Training Videos, and a "Map Search" link which is circled in red. At the bottom of the middle column is a link to the "USGS Groundwater Conditions Web Application".

Utah Division of Water Rights

Programs Meetings Data Law / Agreements Contact Us Staff

FAQ's

- How do I change my address on the Division of Water Right Records?
- How can I sign up to receive email notifications for water rights?
- I want to build a house and need a well. What do I need to do?
- I understand I need to buy a water right. How do I go about it?
- How do I know if a water right I'm thinking about buying is a "good one"?

[more...](#)

Current Issues

Good morning, Dave

The Utah Division of Water Rights (DWR) is an agency of Utah State Government within the Department of Natural Resources that administers the appropriation and distribution of the State's valuable water resources.

- [Water Rights](#)
- [Dam Safety](#)
- [Distribution and Regulation](#)
- [Stream Alterations](#)
- [Well Drilling](#)
- [Adjudication](#)

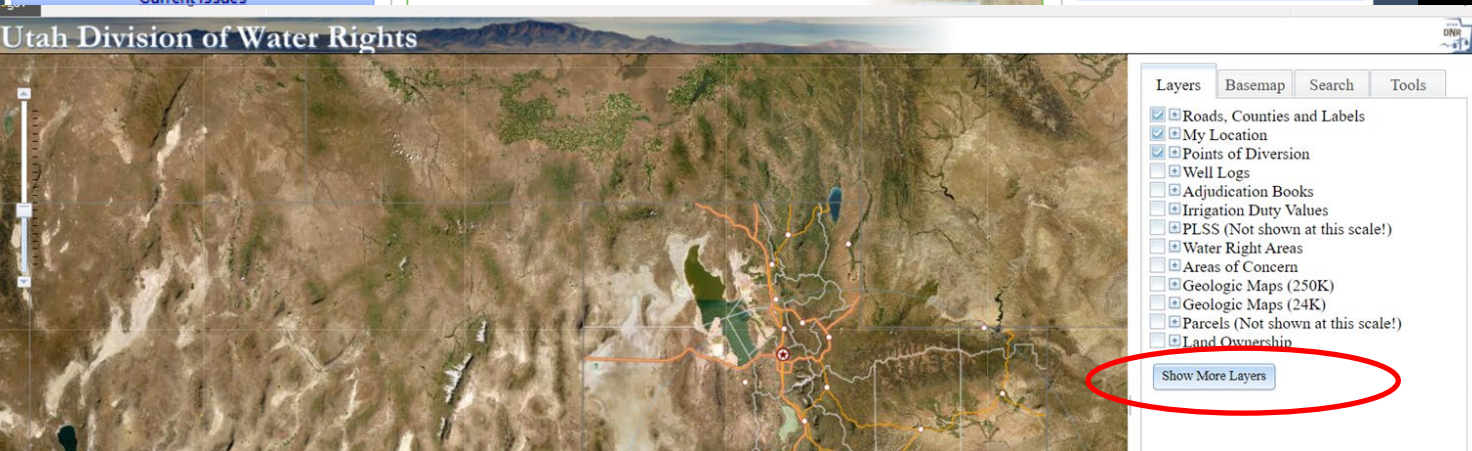
USGS Groundwater Conditions Web Application

Search

Click here for your water right search

Resources

- [Applications, Forms](#)
- [Informative Brochures](#)
- [Training Videos](#)
- [Map Search](#)



The screenshot shows the map interface of the Utah Division of Water Rights. It features a large map of Utah with various water rights areas highlighted in green and orange. On the right side, there is a "Layers" panel with a list of map layers and a "Show More Layers" button which is circled in red. The layers include Roads, Counties and Labels, My Location, Points of Diversion, Well Logs, Adjudication Books, Irrigation Duty Values, PLSS (Not shown at this scale!), Water Right Areas, Areas of Concern, Geologic Maps (250K), Geologic Maps (24K), Parcels (Not shown at this scale!), and Land Ownership.

Utah Division of Water Rights

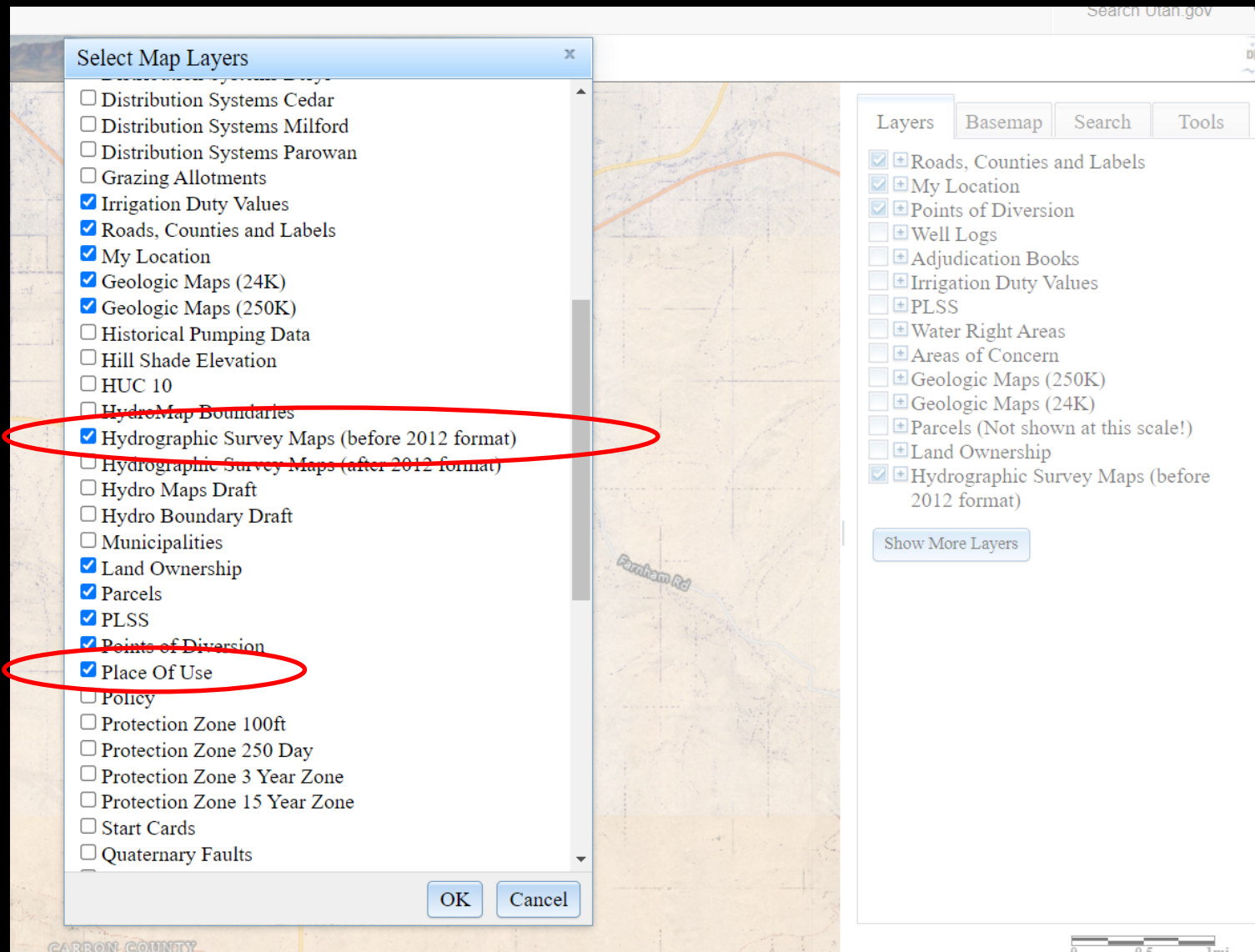
Layers Basemap Search Tools

- ☒ Roads, Counties and Labels
- ☒ My Location
- ☒ Points of Diversion
- ☐ Well Logs
- ☐ Adjudication Books
- ☐ Irrigation Duty Values
- ☐ PLSS (Not shown at this scale!)
- ☐ Water Right Areas
- ☐ Areas of Concern
- ☐ Geologic Maps (250K)
- ☐ Geologic Maps (24K)
- ☐ Parcels (Not shown at this scale!)
- ☐ Land Ownership

Show More Layers

Hydro Survey Maps

i.e. adjudication maps



Realtime Data

The screenshot shows the Utah Division of Water Rights website. The header includes the Utah.gov logo and navigation links for Services, Agencies, Programs, Meetings, Data, Law / Agreements, and Contact Us. The 'Data' link is circled in red. A dropdown menu is open under 'Data', listing various resources: Publications, GIS / Maps, Location Calculator, Flow Records, Real-time Flow Records (circled in red), Wells, Groundwater, Current Studies, and Distribution and Regulation. On the left, there is a 'FAQ's' section with several questions. On the right, there is a list of links to specific river systems, with 'Price River' circled in red.

utah.gov

Services Agencies

Utah Division of Water Rights

Programs Meetings **Data** Law / Agreements Contact Us

Publications
GIS / Maps
Location Calculator
Flow Records
Real-time Flow Records
Wells
Groundwater
Current Studies
Distribution and Regulation

FAQ's

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- ▶ How do I know if a water right I'm thinking about buying is a "good one"?

- [Mill Creek \(Moab\)](#)
- [Ogden River](#)
- [Pot Creek](#)
- [Price River](#)
- [Provo River](#)
- [Sevier River \(Water Rights\)](#)
- [Sevier River](#)
- [Sevier River System where](#)

Realtime Data

Station Name

PRICE RIVER BRYNER BLOUTZ DITCH
 PRICE RIVER CARBON CANAL
 PRICE RIVER CARBON CANAL MARSING WASH DUMP
 PRICE RIVER CARBON CANAL TAIL END POND
 PRICE RIVER CARBON CANAL TAIL END WEIR
 PRICE RIVER CARBON REC. DIST. CANAL PUMP
 PRICE RIVER CARBON REC. DIST. CLUBHOUSE SPRINKLER INFLOW
 PRICE RIVER CARBON REC. DIST. SPRING (GOLF COURSE)
 PRICE RIVER COTTONWOOD GOOSEBERRY IRRG. CO.
 PRICE RIVER FAIRVIEW TUNNEL (USGS)
 PRICE RIVER FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD (USGS)
 PRICE RIVER FLOW PAST GOLF COURSE DAM
 PRICE RIVER GAY DITCH
 PRICE RIVER MARSING WASH CULVERT
 PRICE RIVER MUD CRK BL WINTER QUARTERS CYN @ SCOFIELD (USGS)
 PRICE RIVER NORTH CARBON GROUP
 PRICE RIVER OBERTO DITCH
 PRICE RIVER PRICE MUNICIPAL SPRING PRODUCTION (DAILY)
 PRICE RIVER PRICE MUNICIPAL TREATMENT PLANT (DAILY)
 PRICE RIVER PRICE RIVER AT WOODSIDE (USGS)
 PRICE RIVER PRICE RIVER BELOW GOLF COURSE NEAR HELPER, UT (U
 PRICE RIVER PRICE RIVER WATER IMPROVEMENT DISTRICT DAILY DIV
 PRICE RIVER PRICE-WELLINGTON CANAL
 PRICE RIVER PRICE-WELLINGTON CANAL HAYES WASH
 PRICE RIVER SCOFIELD RESERVOIR ELEVATION
 PRICE RIVER SCOFIELD RESERVOIR RELEASES
 PRICE RIVER SCOFIELD RESERVOIR STORAGE
 PRICE RIVER USGS PRICE RIVER ABV SILVAGNI RANCH DIV NR WOODS
 PRICE RIVER USGS PRICE RIVER AT RIDGE ROAD NEAR WELLINGTON,
 PRICE RIVER USGS PRICE RIVER AT WELLINGTON, UTAH
 PRICE RIVER USGS PRICE RIVER BL MILLER CREEK NR WELLINGTON,
 PRICE RIVER USGS PRICE RIVER NEAR SCOFIELD, UT
 PRICE RIVER USGS WASHBOARD WASH BL SACCO WEST DIV NR WELLING
 PRICE RIVER WHITE RIVER BL TABBYUNE CRK (USGS)

0.00 CFS
 64.41 CFS
 0.00 CFS
 3.20 CFS
 13.46 CFS
 0.00 CFS
 0.00 CFS

Blue text means flow was collected, but it is zero.
 Green text means flow was collected, and it is greater than zero.
 Red text means flow has not been collected for more than 8 hours.

Utah Division of Water Rights

DVRTVIEW River Commissioner Records Viewer

Version: 2018.10.11.00

Rundate: 04/11/2022 12:07 PM

Station Information

Select to View Records

Photos and Documents

Map Location

Select to View Records

Realtime Values Table

Comma Delimited Table

Values vs Time Plot

Daily Values Table

Monthly Summary Table

Comma Delimited Table

Values vs Time Plot

PRICE RIVER
 CARBON CANAL

ective

1.4 miles southwest of Spring Glen

Realtime Data

DVRTVIEW River Commissioner Records Viewer

Version: 2018.10.11.00 Rundate: 04/11/2022 12:08 PM

Hardcopy Selection

Realtime values from the last 3 months

Select Printer: ▾

Utah Division of Water Rights
Distribution System Realtime Records

PRICE RIVER CARBON CANAL

COMMON DESCRIPTION: 1.4 miles southwest of Spring Glen. View comments
DIVERTING WORKS: Concrete diversion dam
MEASURING DEVICE: 10 foot parshall flume
RECORDS RATING: Unrated
LOCATION: 511966.21 East, 4388109.27 North (NAD83 UTM Coordinates)

Date	CFS	Gage Height (Feet)
Apr 11 2022 12:06PM	45.20	1.09
Apr 11 2022 11:55AM	45.20	1.09
Apr 11 2022 11:44AM	45.53	1.09

Price River Model

Scofield Elevation=7,610.6700 feet (Feet to spill 6.83)

Scofield Storage =47,287.4 acrefeet (71.89 % Full)

Daily Change in Storage (neg = drop) = -153.62 acft

Daily Charge to diversions = 135.99 acft (Cumulative = 2,202.72 acft)

Daily Charge to PRWUA = 17.63 acft (Cumulative = 497.14 acft)

Scofield Surface Area =2,617.53 acres

Scofield thoretical inflow =32.64 cfs

Scofield Release =99.88 cfs

Scofield Spilling =0.00 cfs (rating table for spillway is a work in progress)

Inflow - Outflow = -67.24 cfs (If negative then more flow is being released than inflow)

Scofield is = **NOT Storing**

Scofield Delivery is =1.00 acft per share

Peak Yearly Storage Capacity = 49,813 acft

Minimum Storage before May 1 = 47,339 acft

Amount stored before peak storage capacity = 2,475 acft

Peak Yearly Storage Capacity = 49,813 acft

Season End Min Yearly Storage Capacity = 47,287 acft

Volume of water used after peak = 2,526 acft

Natural Flow Percent

Decree	Percent	Cumulative Flows Decr
Morris 1	30.05 %	64.50 cfs
Morris 2	0.00 %	78.41 cfs
Morris 3-8	0.00 %	79.04 cfs
Keller 3(A)	0.00 %	159.19 cfs
Keller 3(B)	0.00 %	214.29 cfs
Keller 5	0.00 %	689.16 cfs

Natural Flow Calculations

Location	Flow	Unit	Comment
+ PRWID	2.40	cfs	Total Water Diverted from Price River
+ Price City River	0.00	cfs	Total Water Diverted from Price River
+ North Carbon	5.21	cfs	Total Water Diverted from Price River
+ Bryner Ploutz	0.38	cfs	Total Water Diverted from Price River
+ Gay Ditch	0.00	cfs	Total Water Diverted from Price River
+ Golf Course Total	0.33	cfs	Total Water Diverted from Price River, Spring, CCCanal
+ Price Wellington	31.57	cfs	Total Water Diverted from Price River
+ Carbon Canal	62.19	cfs	Total Water Diverted from Price River
+ Price City Springs	3.18	cfs	Total Water Diverted from Spring (does not flow to river)
+ Helper City Springs	0.45	cfs	Manual input by Commissioner (does not flow to river)
+ Scofield Inflow	-77.45	cfs	Calculated inflow to Scofield
Total = 28.25 cfs			
Natural Flow stored	-77.45		
	AVG -77.45 cfs		
+ Scofield evaporation	10.21	cfs	Data derived from UAES Research Report 145
+ Flow past Carbon Canal Diversion	0.17	cfs	Manual input by Commissioner
- Storage Conveyance Used	65.06	cfs	Storage Delivered at diversion = (Storage Released * % conveyance loss)
		cfs	
= Total Natural Flow	19.38	cfs	

Price River Model

Daily Decree							
Daily Decree							
Date	January	February	March	April	May	June	July
1	Morris 2 51.98 %	Morris 3-8 66.11 %	Keller 3(A) 12.92 %	Morris 1 99.00 %	Morris 1 59.55 %		
2	Keller 3(A) 86.11 %	Keller 3(A) 34.98 %	Keller 3(A) 62.77 %	Keller 3(A) 35.77 %	Morris 1 42.28 %		
3	Keller 3(A) 22.19 %	Keller 3(A) 18.05 %	Keller 3(A) 24.80 %	Morris 1 42.48 %	Morris 1 31.26 %		
4	Keller 3(A) 54.93 %	Keller 3(A) 35.29 %	Keller 3(A) 19.64 %	Morris 1 71.06 %	Morris 2 43.57 %		
5	Keller 3(A) 71.81 %	Keller 3(A) 18.26 %	Keller 3(A) 19.74 %	Morris 1 88.72 %	Morris 1 81.03 %		
6	Keller 3(A) 12.73 %	Keller 3(A) 1.61 %	Keller 3(A) 1.55 %	Morris 1 69.13 %	Morris 1 41.39 %		
7	Keller 3(A) 31.39 %	Keller 3(A) 1.92 %	Morris 2 93.46 %	Morris 1 65.00 %	Morris 1 31.41 %		
8	Keller 3(A) 35.89 %	Morris 2 30.34 %	Keller 3(A) 7.58 %	Morris 1 72.39 %	Morris 1 30.43 %		
9	Keller 3(A) 41.94 %	Keller 3(A) 2.12 %	Keller 3(A) 6.31 %	Morris 1 37.57 %	Morris 1 29.97 %		
10	Keller 3(A) 9.28 %	Keller 3(A) 36.62 %	Keller 3(A) 39.40 %	Morris 1 70.55 %	Morris 1 30.03 %		
11	Keller 3(A) 11.30 %	Keller 3(A) 2.93 %	Morris 3-8 93.64 %	Morris 1 36.74 %	Morris 1 29.52 %		
12	Keller 3(A) 30.58 %	Keller 3(A) 69.95 %	Keller 3(A) 38.60 %	Morris 1 95.94 %	Morris 1 29.60 %		
13	Keller 3(A) 20.02 %	Keller 3(A) 3.54 %	Morris 2 98.49 %	Morris 1 36.14 %	Morris 1 29.24 %		
14	Keller 3(A) 33.56 %	Keller 3(A) 2.92 %	Keller 3(A) 72.61 %	Morris 1 62.03 %	Morris 1 29.60 %		
15	Keller 3(A) 16.07 %	Morris 2 34.08 %	Morris 1 38.67 %	Morris 1 77.70 %	Morris 1 29.22 %		
16	Keller 3(A) 15.82 %	Keller 3(A) 2.72 %	Morris 1 37.10 %	Morris 1 92.83 %	Morris 1 29.38 %		
17	Keller 3(A) 29.86 %	Keller 3(A) 52.78 %	Morris 1 36.71 %	Morris 1 34.23 %	Morris 1 30.05 %		
18	Keller 3(A) 15.80 %	Keller 3(A) 67.59 %	Morris 1 37.44 %	Morris 1 35.76 %			
19	Keller 3(A) 30.65 %	Morris 2 32.21 %	Morris 1 79.13 %	Morris 1 75.18 %			
20	Keller 3(A) 12.65 %	Keller 3(A) 3.45 %	Morris 1 68.19 %	Morris 1 75.55 %			
21	Morris 2 85.82 %	Morris 2 30.06 %	Morris 1 68.86 %	Morris 1 32.70 %			
22	Keller 3(A) 28.29 %	Morris 2 29.91 %	Morris 1 64.25 %	Morris 1 34.82 %			
23	Keller 3(A)	Keller 3(A)	Morris 1	Morris 1			

Price River Model

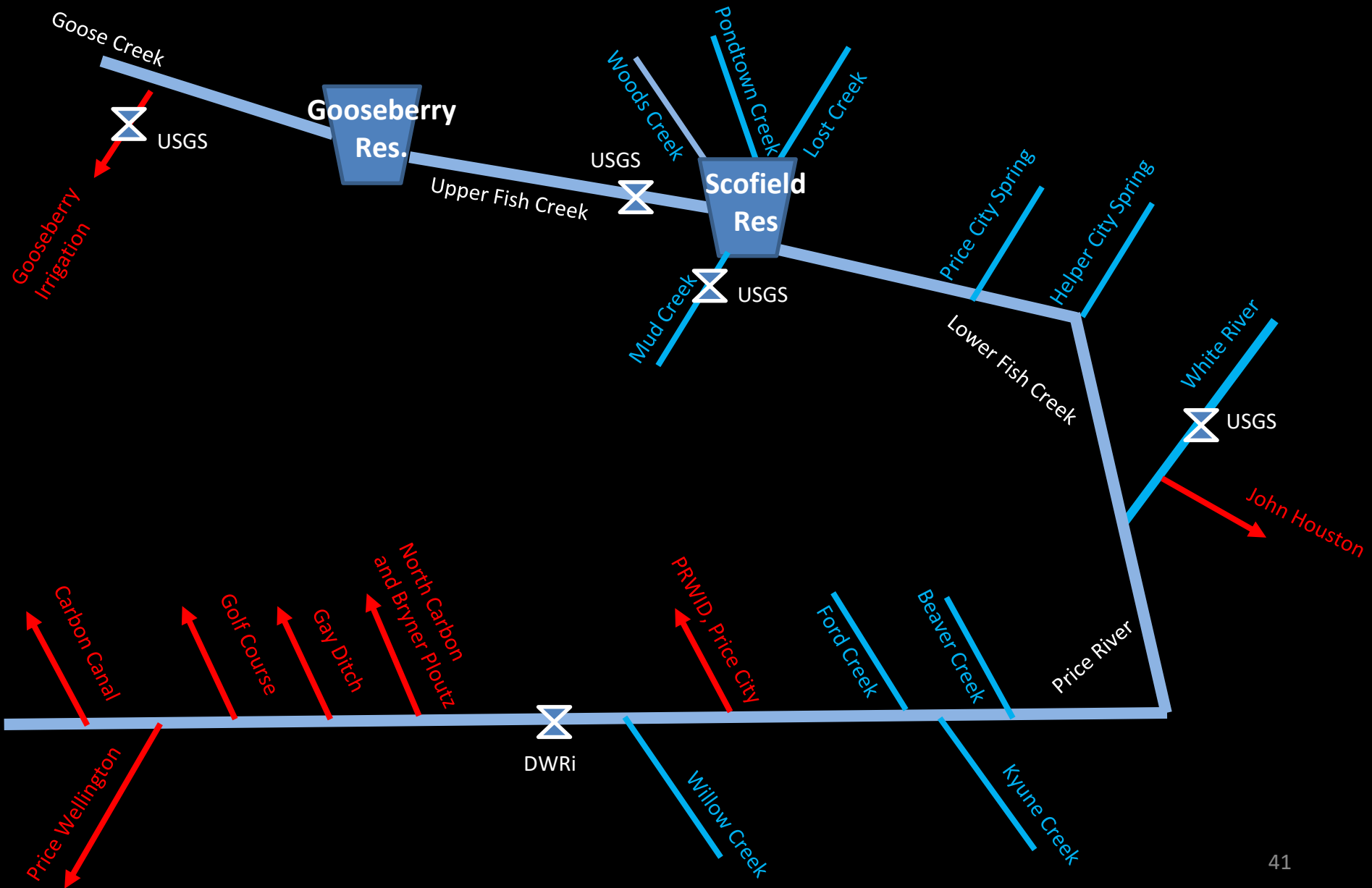
Canal/Ditch	Progressive Flow Available at Diversion	Flow based on Water Right	Progressive Flow for diversion	Flow Called (Manual Input/including natural flow)	Flow Delivered	Water not used based on water right	Flow Check	Natural Flow Charged	Reservoir Flow Charged	Reservoir Charged	Reservoir Remaining	PRWUA Water (above call)
	(CFS)	(CFS)	(CFS)	(CFS)	(CFS)			(CFS)	(CFS)	(ACFT)	(ACFT)	(CFS)
	{??Natural}	{??WRA}	{??NFA}	{??Call}	{??Del}	{??Extra}		{??NFChrg}	{??ChrgRes}	{??ChrgAcft}	{??ResReman}	{??Bonus}
Helper city	19.38	1.75	1.75	N/A	0.45	1.31	OK	0.45	0.00	0.00	178.50	
PRWID/PacifiCorp	18.93	0.17	0.18	2.41	2.40	0.00	OK	0.18	2.23	4.42	1,717.48	
Price City	18.75	1.72	1.84	N/A	3.18	0.00	Reservoir	1.84	1.34	2.66	1,056.41	
Bryner Ploutz	16.91	0.41 *	0.45	N/A	0.38 *	0.04	OK	0.38 *	0.00	0.00	156.98	
North Carbon Group	16.54	3.03 *	3.27	N/A	5.21 *	0.00	Reservoir	3.27 *	1.94	3.84	1,623.93	
Gay Ditch	13.27	0.41 *	0.44	0.00	0.00 *	0.41	OK	0.00 *	0.00	0.00	179.38	
Price Wellington Canal	13.27	9.04 *	10.08	30.00	31.57 *	0.00	Reservoir	10.08 *	19.92	39.50	6,305.86	1.57
C.C. Golf Course	3.18	0.20 *	0.22	N/A	0.33 *	0.00	Reservoir	0.22 *	0.10	0.21	283.00	
Carbon Canal	2.96	2.65 *	2.96	46.00	62.19	0.00	Reservoir	2.96 *	43.04	85.37	11,250.43	16.19
TOTAL		19.38 15.74 *			Total 105.70 River 102.07 99.67 *	1.75		19.38 16.91 *	NOT Storing -67.24 cfs Total Charge = 68.56	135.99		

*Below Henier Station

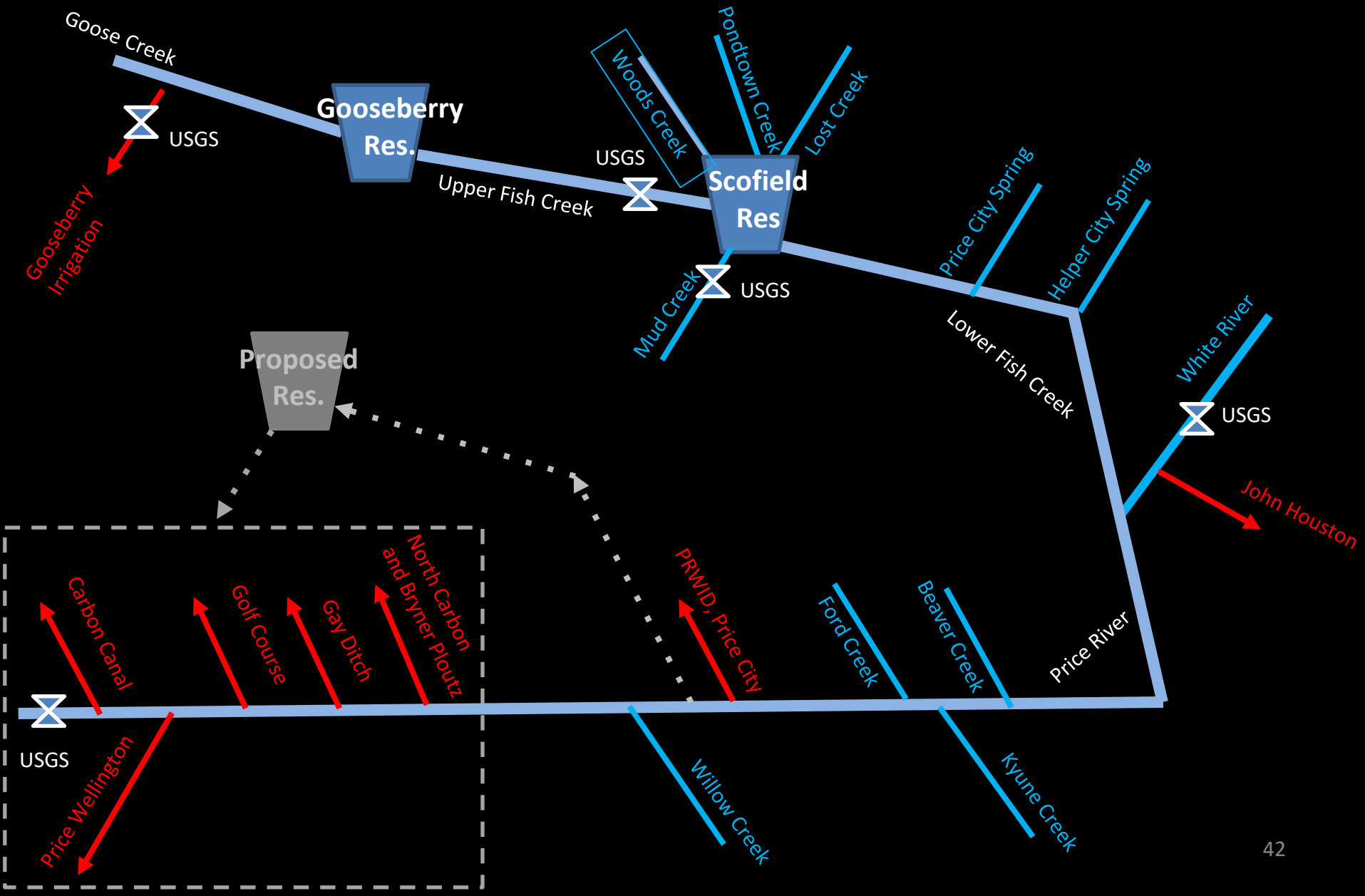
Realtime Notify

Water Right Notify

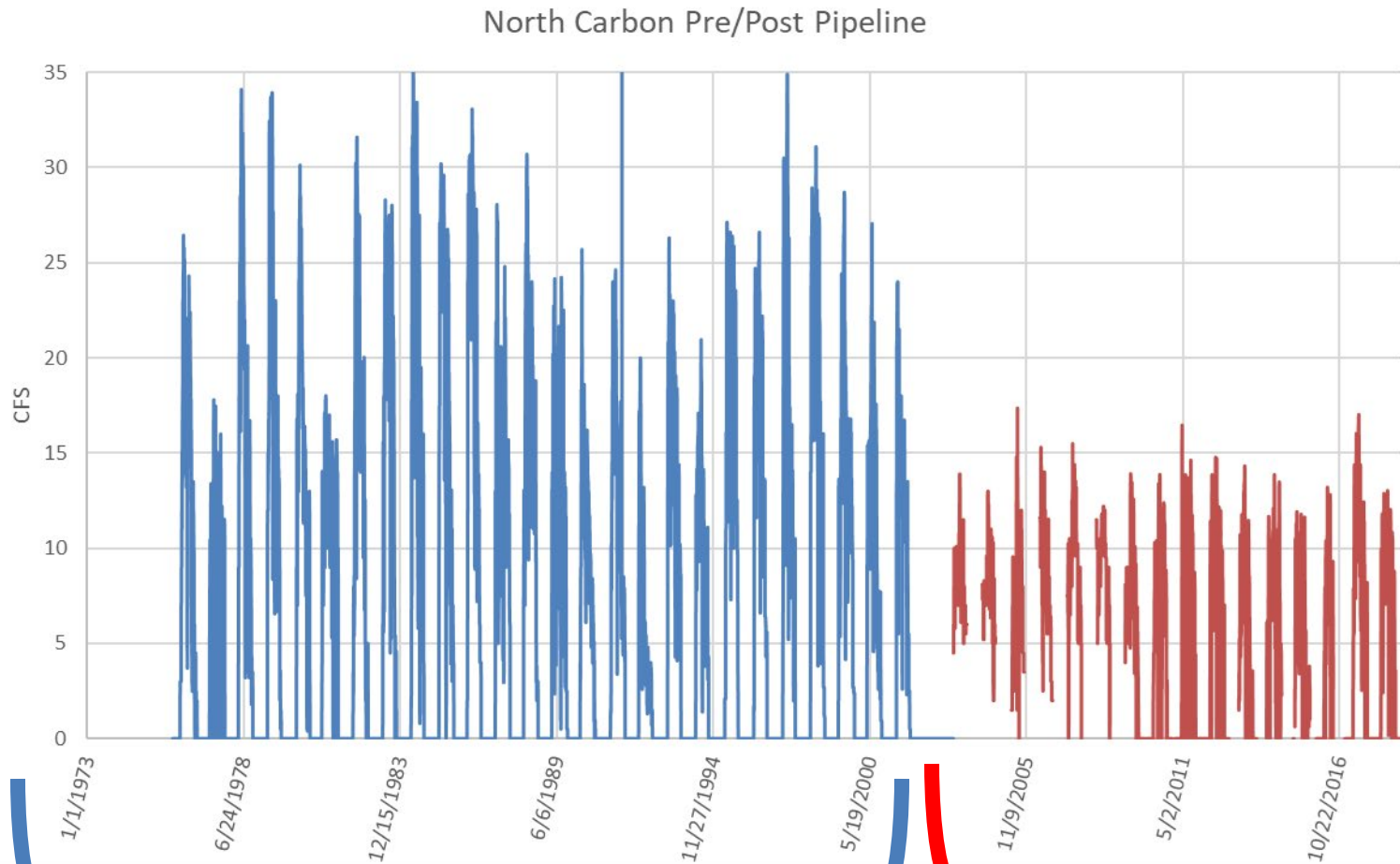
Price River Diagram



Price River Diagram



North Carbon Group Pre/Post Pipeline



14.7 Average CFS

5.8 Average CFS