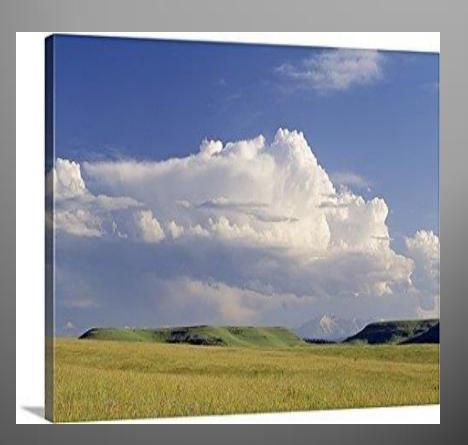
Adjudicating Denver Basin Ground Water

Sarah A. Klahn, Esq. White & Jankowski, LLP October 19, 2016

Agenda

- Organizing principles
- Overview of physical resource
- Overview of legal entitlement to Denver Basin ground water
- Overview of adjudication procedures and tools
- Is adjudication right for you?
- Questions



Disclaimer

- I am here to provide an overview of the adjudication process.
- Not here to form an attorney-client relationship!
- If you have specific legal questions about your situation, you should contact a qualified attorney.

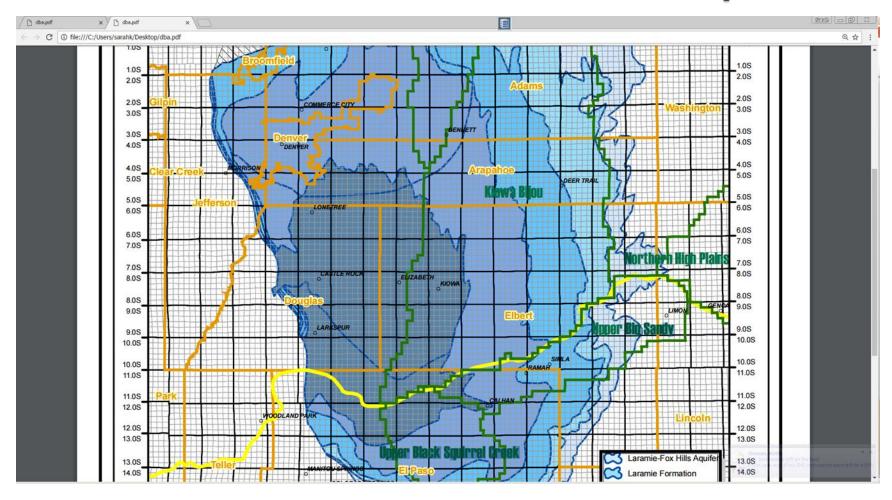
Framework of our discussion tonight

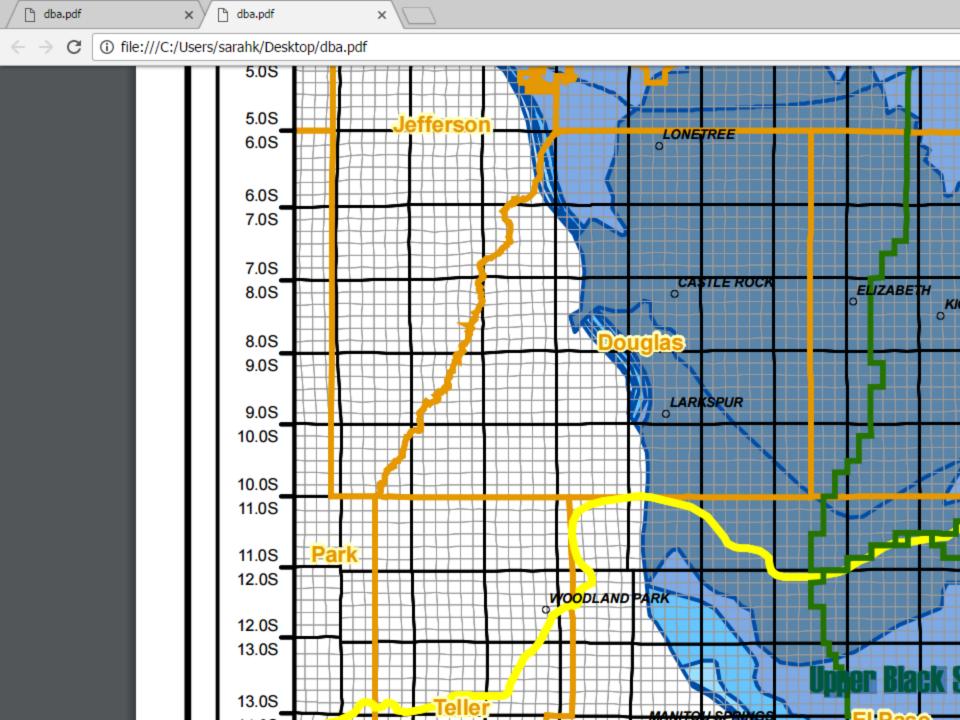
- Unlike tributary surface and ground water, Denver Basin ground water is distributed based on statutory provisions that entitle the overlying landowner to the divert (or pump) the water consistent with various rules.
 - This does not mean you can pump as much as you want!
- Presentation tries to highlight the differences between:
 - Legally available Denver Basin ground water
 - Physically available Denver Basin ground water
 - Economically available Denver Basin ground water

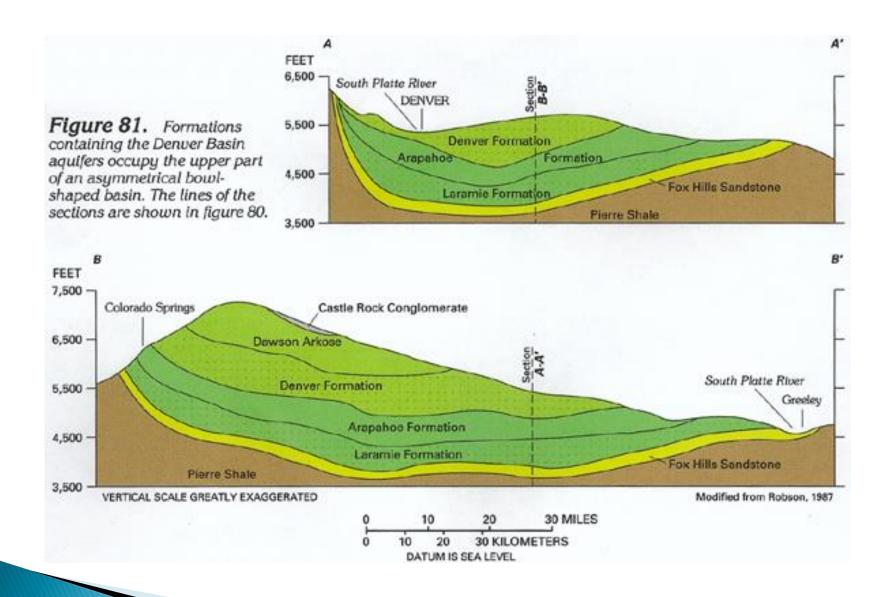
Denver Basin Aquifer vocabulary:

- Aquifer names:
 - Dawson
 - Lower Dawson
 - Upper Dawson
 - Denver
 - Arapahoe
 - Laramie–Fox Hills
- Non-tributary
- Not non-tributary (typically shallower aquifers but depends on location)
- Tributary (with some exceptions, all ground water that is not Denver Basin)

Denver Basin Ground Water Map







These maps begin to suggest:

- What and where is Denver Basin ground water physically available?
- And where is it economically available?

Legal entitlement to Denver Basin ground water

>>> Framework for "legal availability"

Overlying land ownership=entitled to withdraw Denver Basin GW

- Under Colorado statute 37-90-137(4), adopted in 1973:
 - The right to withdraw non-tributary ground water resides with the owner of the land overlying the aquifer.
 - The amount of non-tributary ground water that can be withdrawn by the landowner is limited to the total amount under the landowner's property, at a rate no greater than 1% per year of that total amount.

Policy behind section 37–90–137(4):

- To facilitate development of south suburban areas including Douglas County, the General Assembly authorized "mining" of Denver Basin aquifers
- All Denver Basin wells, whether adjudicated or not, are authorized to pump a volume of water based on an assumed 100 year life of the well
- This is the maximum legally available—whether the water is physically available, or, if physically available, it can be economically extracted are separate issues

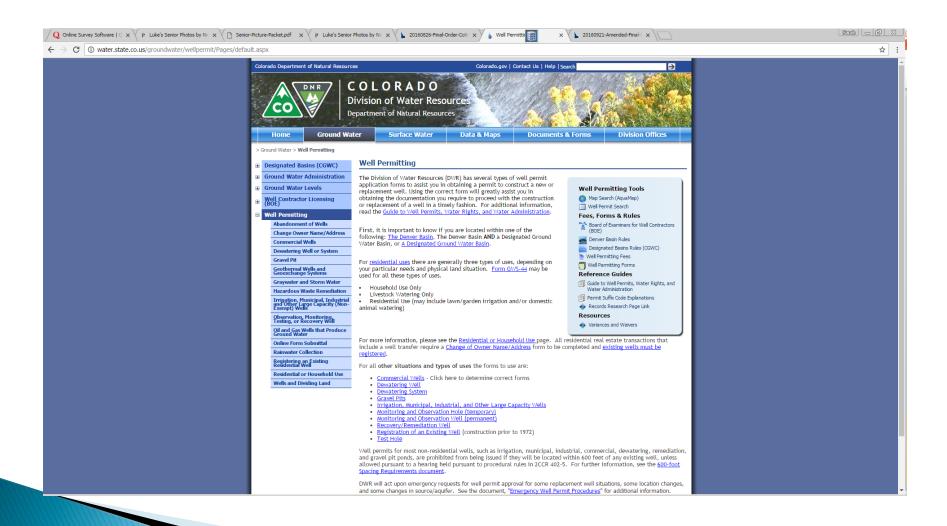
Denver Basin availability analysis

- Division of Water Resources (SEO) uses a ground water model to predict yields from various parts of the Denver Basin
- Whether applying for a permit OR to adjudicate Denver Basin ground water, DWR uses the ground water model to estimate the volume available beneath the legal description of your property

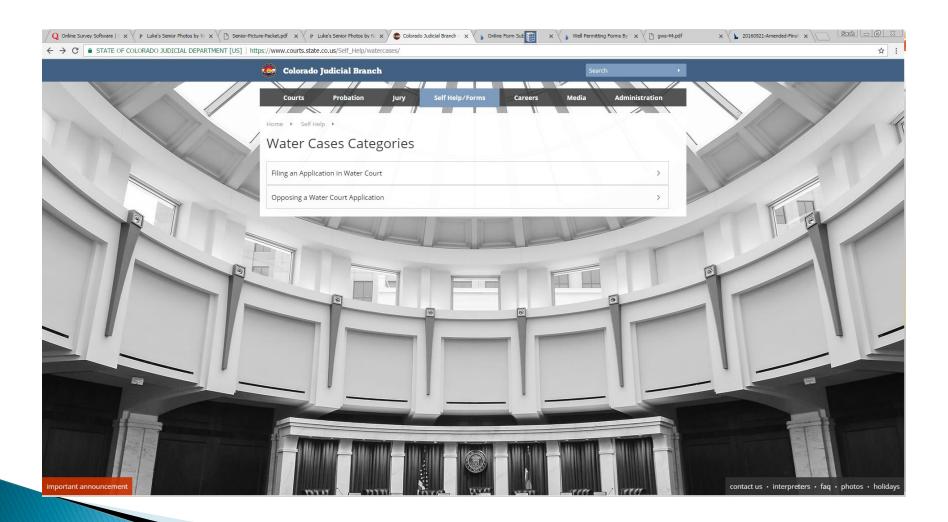
Adjudication tools and procedures

>> Enhances, but is not essential, to evaluating legal availability

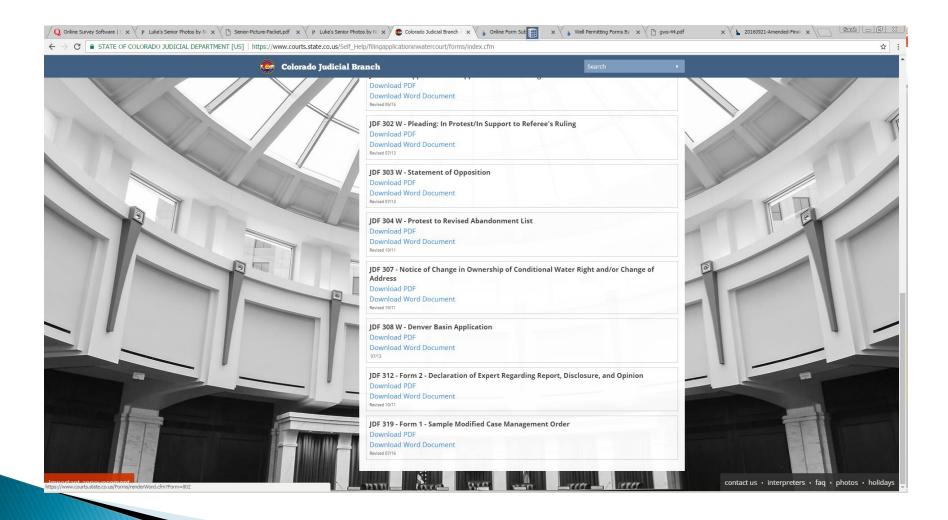
Adjudication tools:



Adjudication tools (con't):



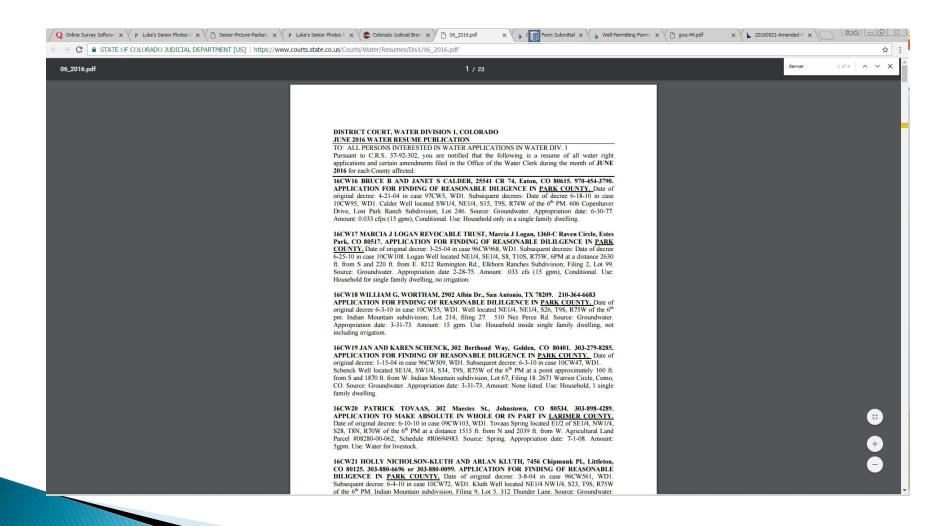
Adjudication tools (con't):



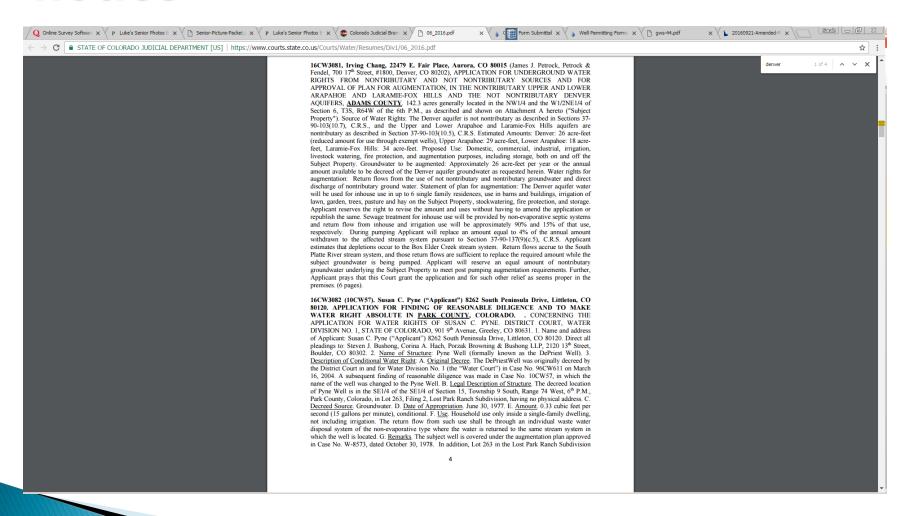
Application

Q Online Survey Software X V P Luke's Senior Photos b X V Senior-Picture-Packet, X V P Luke's Senior A	Photos b 🗴 ಿ Colorado Judicia	I Branc X	Form Submittal	× Well Permitting Form	rms x \ \ \Property gws-44.pdf \qquad x \ \ \ \ 20160921-Amended-F x \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
\leftrightarrow C ${f a}$ STATE OF COLORADO JUDICIAL DEPARTMENT [US] $ $ https://www.courts.state.c	co.us/Forms/PDF/JDF%20308	W%20Denver%20basin%20application%2	0R%207-13.pdf			☆ :
						^
	District Court, Water Di	vision , Colorado	1			
	Court Address:	vision, Colorado				
	CONCERNING THE AL	PPLICATION FOR WATER RIGHTS OF				
	Applicant:	TEIOMION ON WATER RIGHTS OF				
	, pp. santi					
	In the	River or its Tributaries				
	In	COUNTY	▲ cour	RT USE ONLY		
	Attorney or Party Witho	ut Attorney (Name and Address):				
			Case Number:			
	Phone Number: FAX Number:	E-mail: Atty. Reg. #:	Division:	Courtroom:		
	API	PLICATION FOR UNDERGROUND		S		
		IN THE DENVER BASIN AQU				
	space provided is not a	ddress, and telephone number of applicant(s dequate to list all of the applicants, the nar es must be provided as an attachment):				
	Name of Applicant	Address	Email address	Telephone		
				Number		
	If multiple applicants are	listed the following must be completed:				
	All of the applicants	listed have joint ownership of the parcel(s), a	and/or joint consent	to withdraw the water		
	_	el(s), which is/are the subject of this application				
	separate parcels of	n separate parcels of land, and/or have co land, and request that this Court determine t	hat Applicants have	e the right to withdraw		
	or multiple wells con	ilable groundwater lying below all of the sub- structed at any location on the subject parcel	s of land. In additio	n the applicant claims:		
	All of the parcel	s of land claimed in this application are conti ysically separate from the rest of the land), or	guous (that is, no p	part of land claimed in		
		non-contiguous but could satisfy Rule 11.B of		sibutes. Cround Mater		
	Rules (2 CCR 402-7	') as demonstrated by the attached information of the instructions regarding this Rule if the a	on (documentation	of such claim must be		
			.,			
	JDF 308W R 7-13 APPLICATION	FOR UNDERGROUND WATER RIGHTS IN THE DEN	VER BASIN	Page 1 of 6		-

Resume publication



Example of Denver Basin resume notice



Protecting your adjudicated water right

- Step 3: Statements of Opposition
 - Must be filed by the last day of the calendar month following publication in the resume.
 - Make the objector a party to the case for purposes of protecting interests.
 - Does require either investment of time or money (or both).

District Court, Water Divi	sion County, Colorado		
ourt Address:	County, Colorado		
ONCERNING THE APP pplicant:	PLICATION FOR WATER RIGHTS OF		
N	COUN	-	URT USE ONLY
Represented by an Atto	orney, Attorney's Name and Address:	Case Numb	er.
hone Number:	E-mail:		
AX Number:	Atty. Reg. #:		Courtroom:
	STATEMENT OF OPPO	SITION	
Name, address, and h	ome telephone number of Opposer:		
Name	Address		Home Phone Number
	the application should not be granted o	or why it should be	granted only in part or
	the application should not be granted o	or why it should be	granted only in part or
		or why it should be	granted only in part or o
		or why it should be	granted only in part or o
	dd additional sheets as necessary.)	or why it should be	
certain conditions: (Åd	dd additional sheets as necessary.)	gnature of Opposer	(or Attorney)
certain conditions: (Åd	dd additional sheets as necessary.)	gnature of Opposer	(or Attorney)
certain conditions: (Ad	dd additional sheets as necessary.) Signature, state under oath that I	gnature of Opposer	(or Attorney) atement of Opposition at
rify its content.	dd additional sheets as necessary.) Signature, state under oath that I	gnature of Opposer have read this Sta	(or Attorney) atement of Opposition a

Course of a nontributary or notnontributary adjudication case

- File application
- Statements of opposition are filed—typically few filed if the water is Denver Basin nontributary
- Division Engineer issues summary of consultation which makes initial determinations of facts regarding the claims
- Applicant must address DEO issues in proposed decree
- Submit proposed decree

Course of adjudication (con't):

- If pro se, Referee at the Water Court will work with applicant to refine decree
- If significant opposition, case may be referred immediately to the Water Judge

Is adjudication of Denver Basin GW worthwhile? Some considerations:



Some things to think about

- Go back to our three organizing principles: legal, physical and/or economically available?
- Goals of adjudicating?
 - Value add for your property?
 - Protect legal availability?
 - Protect physical availability?
- Costs
 - Money
 - Time
 - Anxiety
- Three possible scenarios:
 - Property without existing well; Property with existing well; interest in subdividing or selling Property

1. Property without an existing well

- The right to divert Denver Basin ground water arises from overlying land ownership.
- That right can be exercised by obtaining a well permit and drilling a well
- It can also be exercised by first going to Water Court, obtaining a decree authorizing the drilling of a well, and then obtaining a well permit and drilling the well.
- Note that Water Court adjudication is not required to divert non-tributary Denver Basin ground water, although it may be required to divert not non-tributary Denver Basin ground water.

2. Property with a permitted Denver Basin well

- The well permit reflects the amounts you are entitled to pump.
- Water Court adjudication is not required to operate an existing, permitted Denver Basin well.
- If your well is in a not non-tributary aquifer (such as the Upper Dawson Aquifer), it may only be operated if you have obtained an augmentation from in a Water Court adjudication.

3. You are planning to subdivide or sell your property

- If the property has an existing, permitted well, no adjudication is necessary.
- If the property has no existing wells and you are going through a subdivision process, you may be required to quantify the available Denver Basin ground water beneath the subject property. This can be done with the assistance of the Division of Water Resources.

Questions?