



# The State of the River

The status of the adjudication of the Pecos River



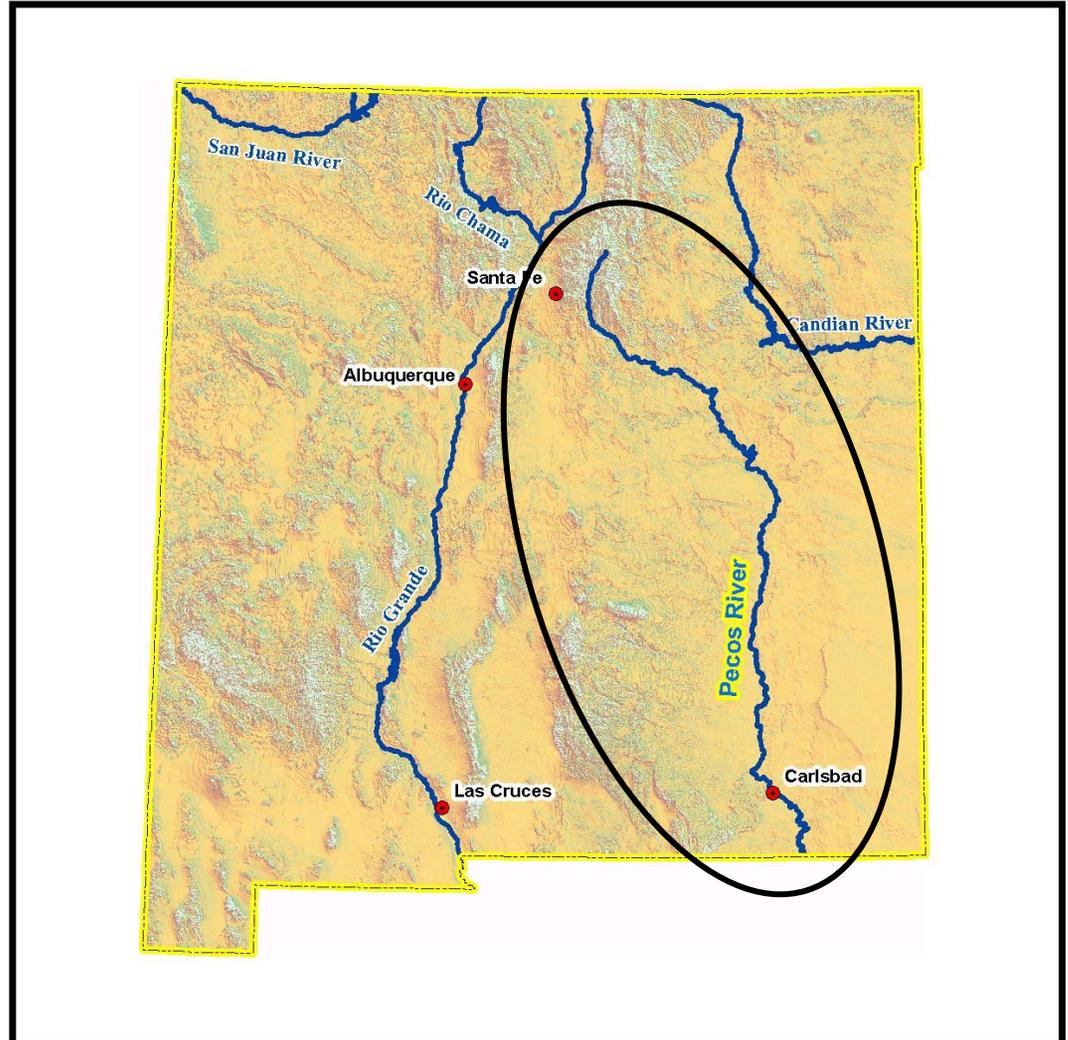
New Mexico Office of the State  
Engineer

Pecos River Adjudication Bureau

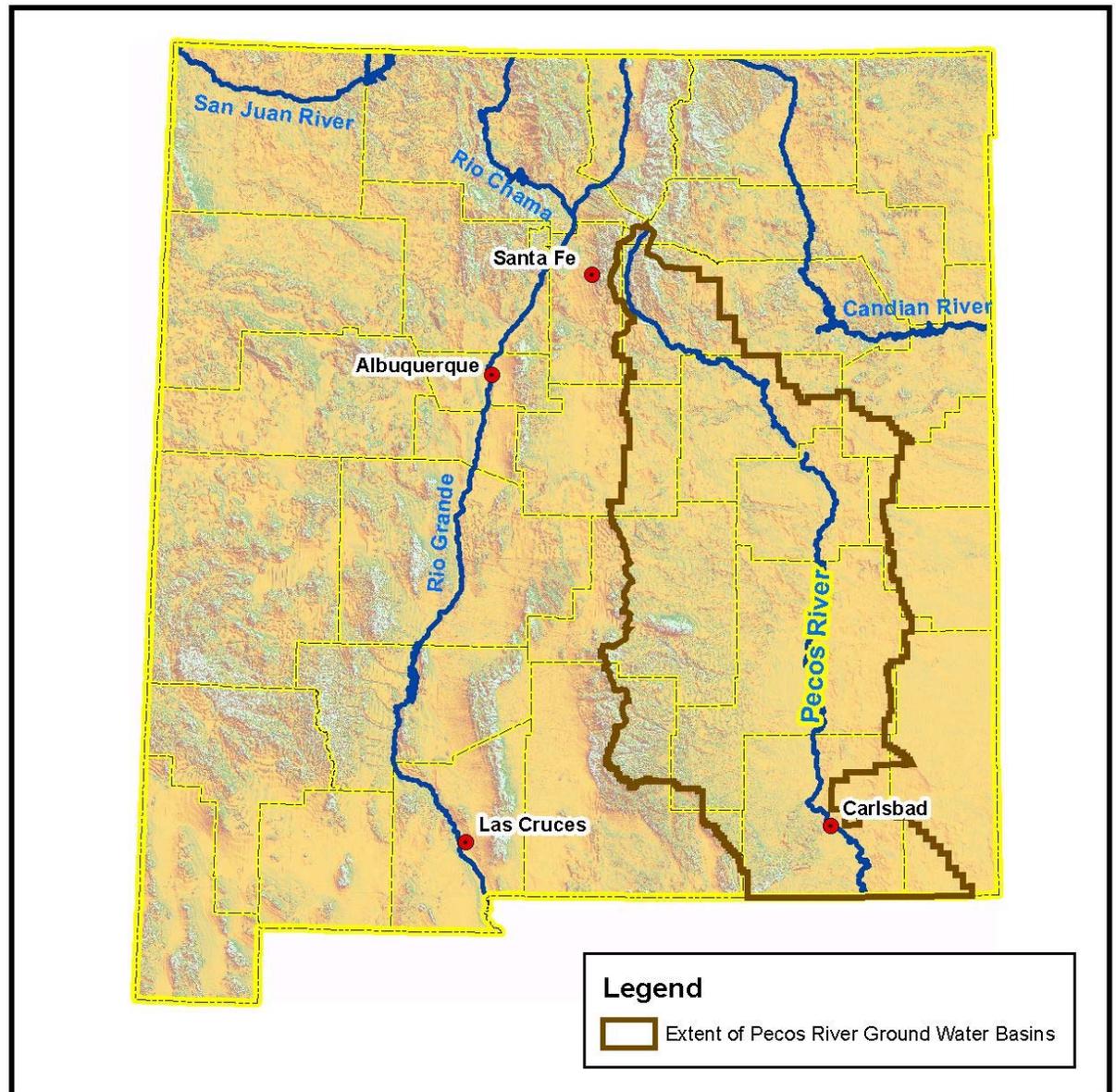
July 2005

# The Pecos River Basin

The Pecos River Basin covers approximately 26,000 sq. miles, 1.4 million acres, and main stem is more than 500 miles long.

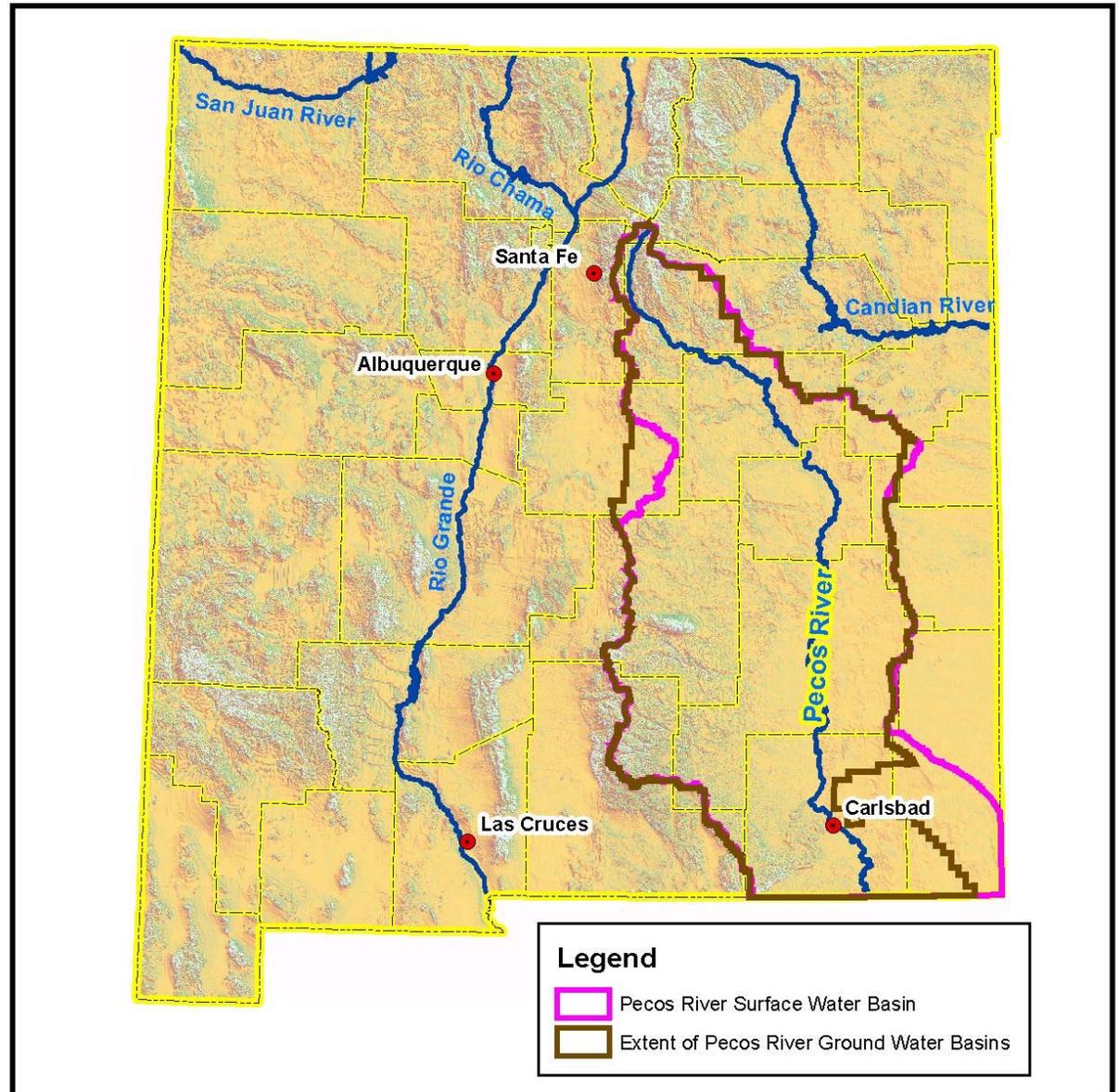


# Pecos River Groundwater Basin – Outer Limits



# Pecos River Surface Water Basin - Outer Limits

For this discussion the  
State will refer to the  
groundwater basin  
only.



# Pecos River Individual Groundwater Basins

The Pecos River Basin is Covered by 6 Declared Groundwater Basins.

Upper Pecos

Fort Sumner

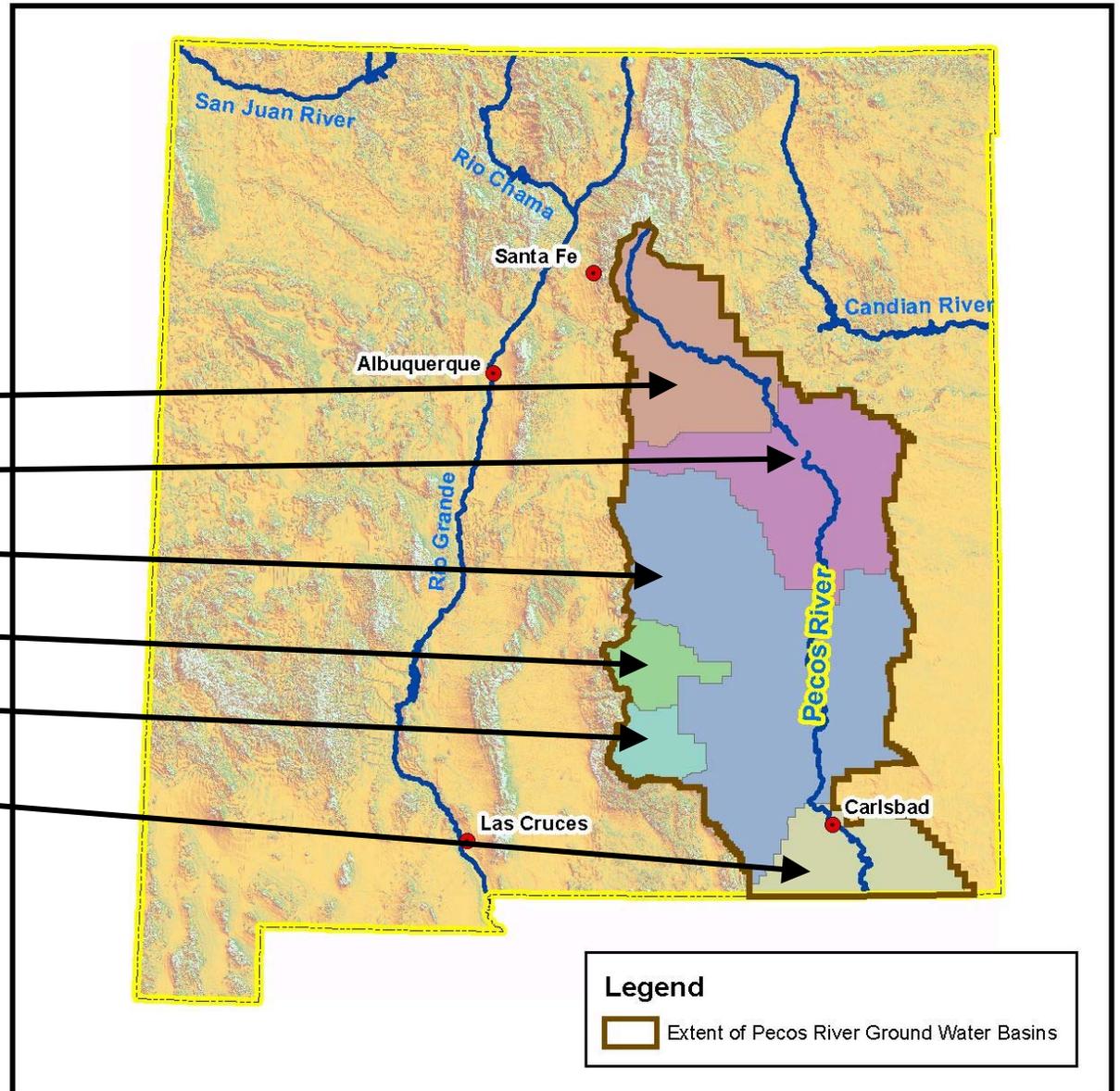
Roswell Artesian

Hondo

Penasco

Carlsbad

Underground



# Pecos River Individual Surface Water Basins

The Pecos River Surface water basin are divided into 13 surface water sub-basins.

Pecos Headwaters

Pintada Arroyo

Taiban

Upper Pecos

Gallo Arroyo

Arroyo Del Macho

Rio Hondo

Rio Felix

Upper Pecos Long Arroyo

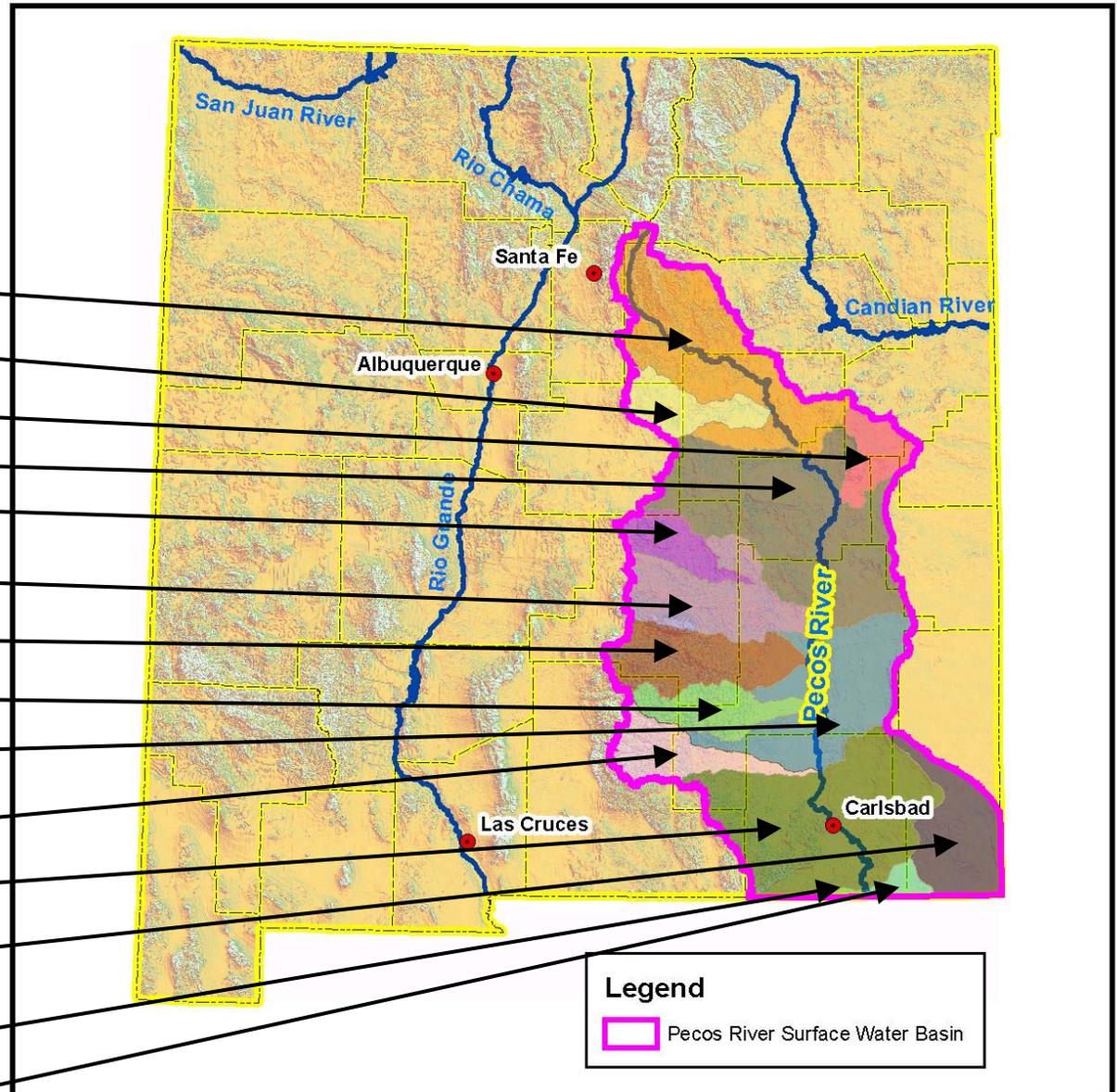
Rio Penasco

Black River

Landreth-Monument Draws

Delaware River

Red Bluff Reservoir



# Pecos River Adjudication History Prior Decrees

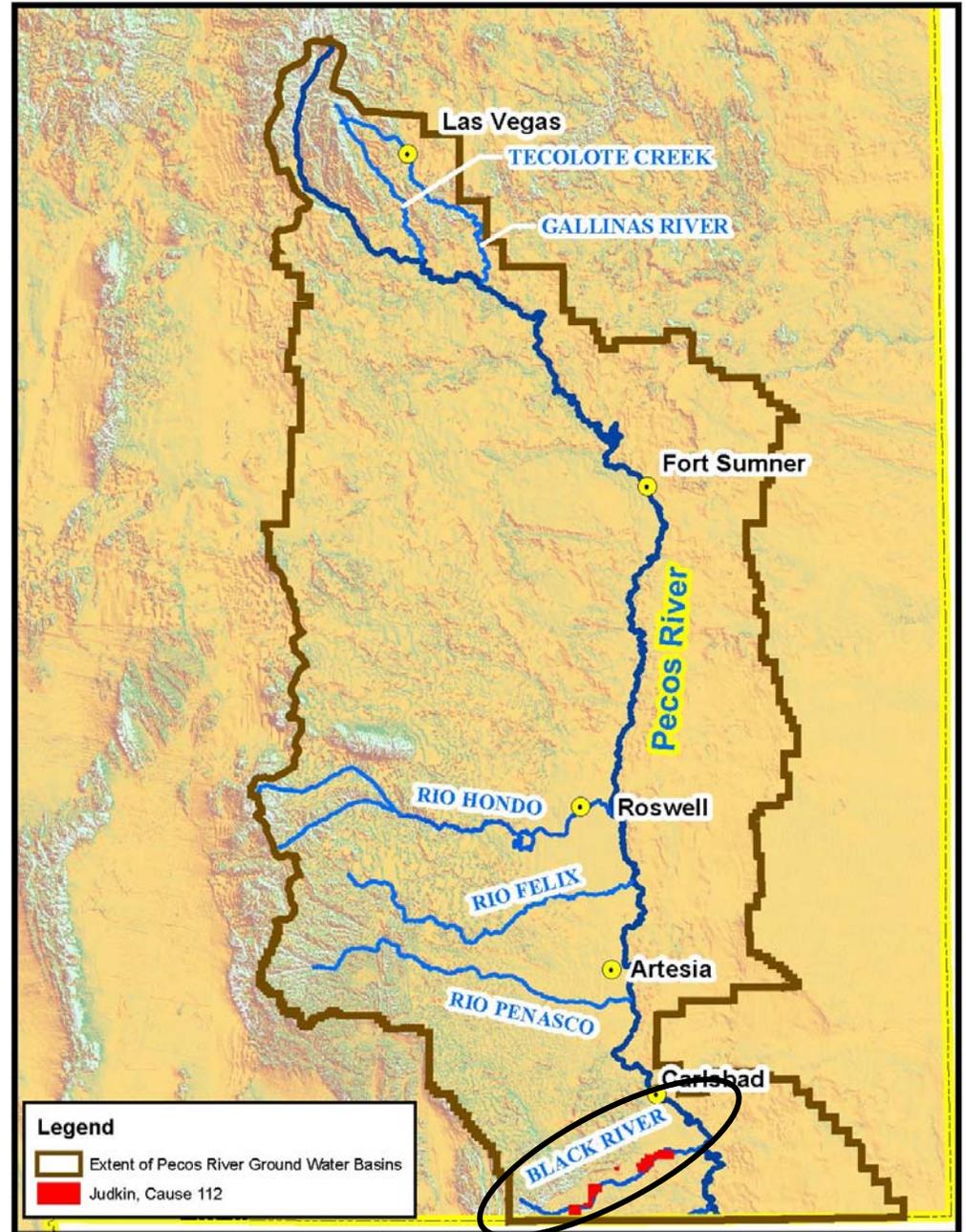
## Black River

Judkins Decree (1912)

Parkhurst Decree (1921)

Harkey Decree (1930)

Woods Decree (1967)



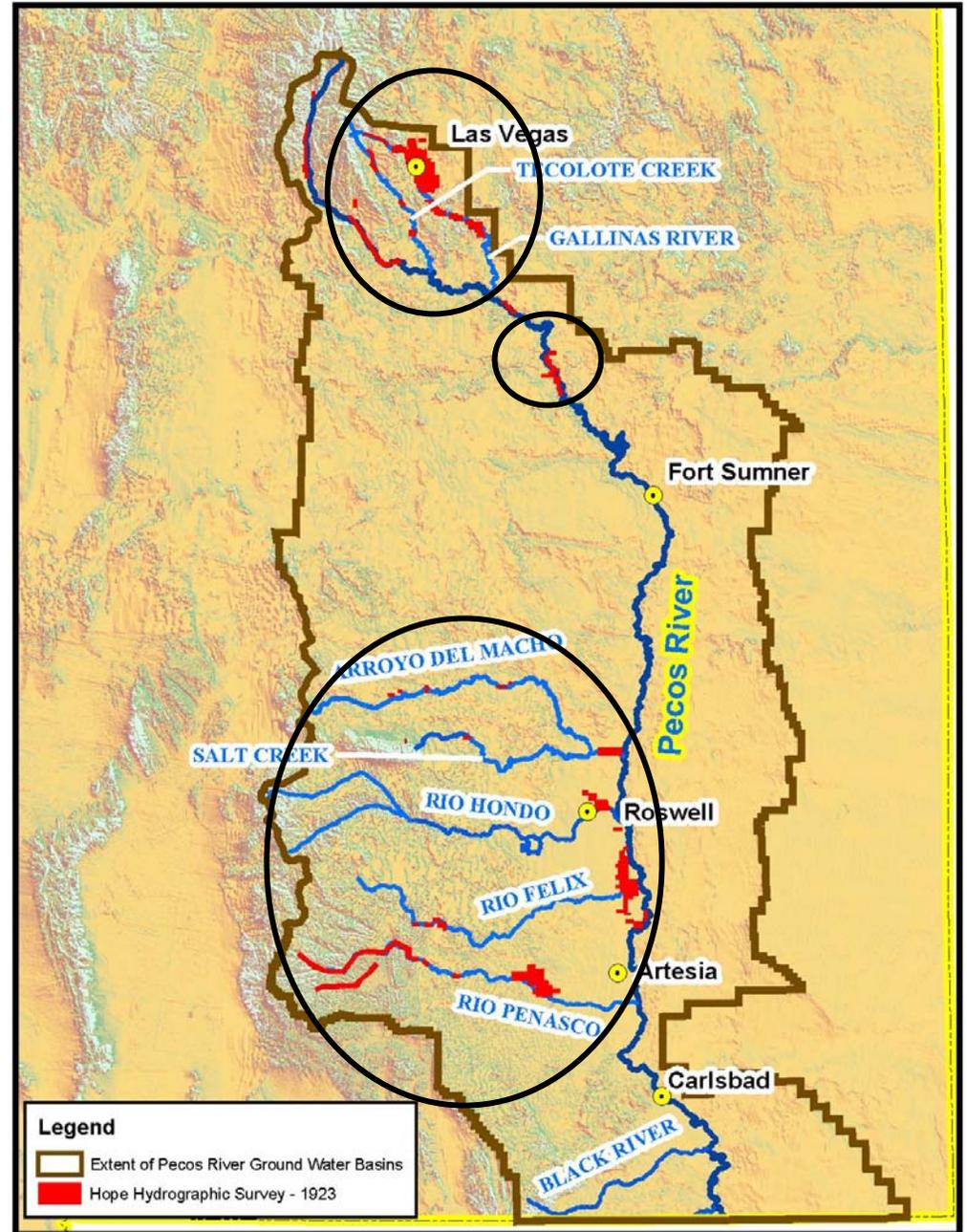
# Pecos River Adjudication History Prior Decrees

## Pecos River

Hope Decree (1933)  
(Federal Adjudication)

Surface water in various  
areas

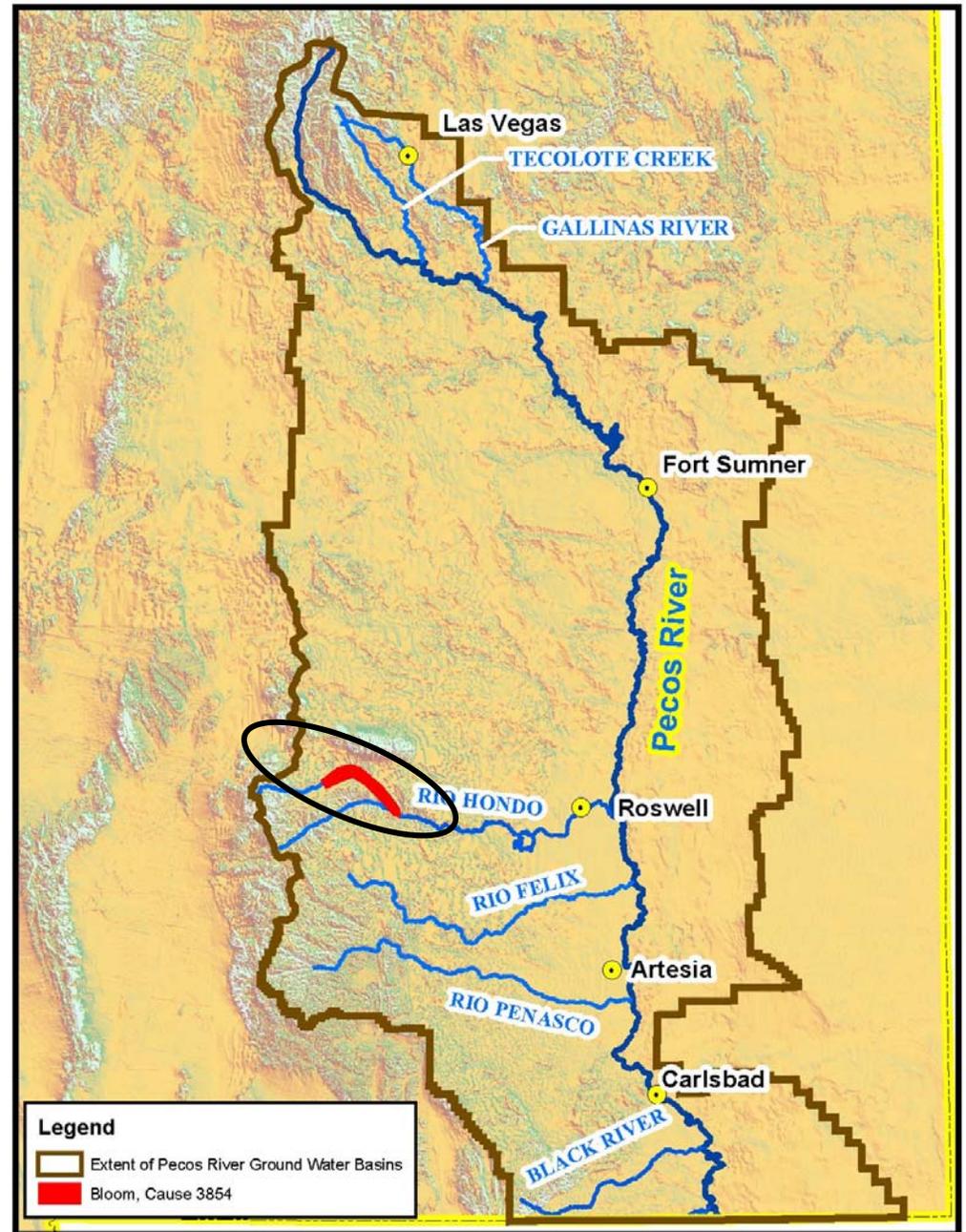
Based on 1923 Pecos  
River Hydrographic  
Survey (OSE)



# Pecos River Adjudication History Prior Decrees

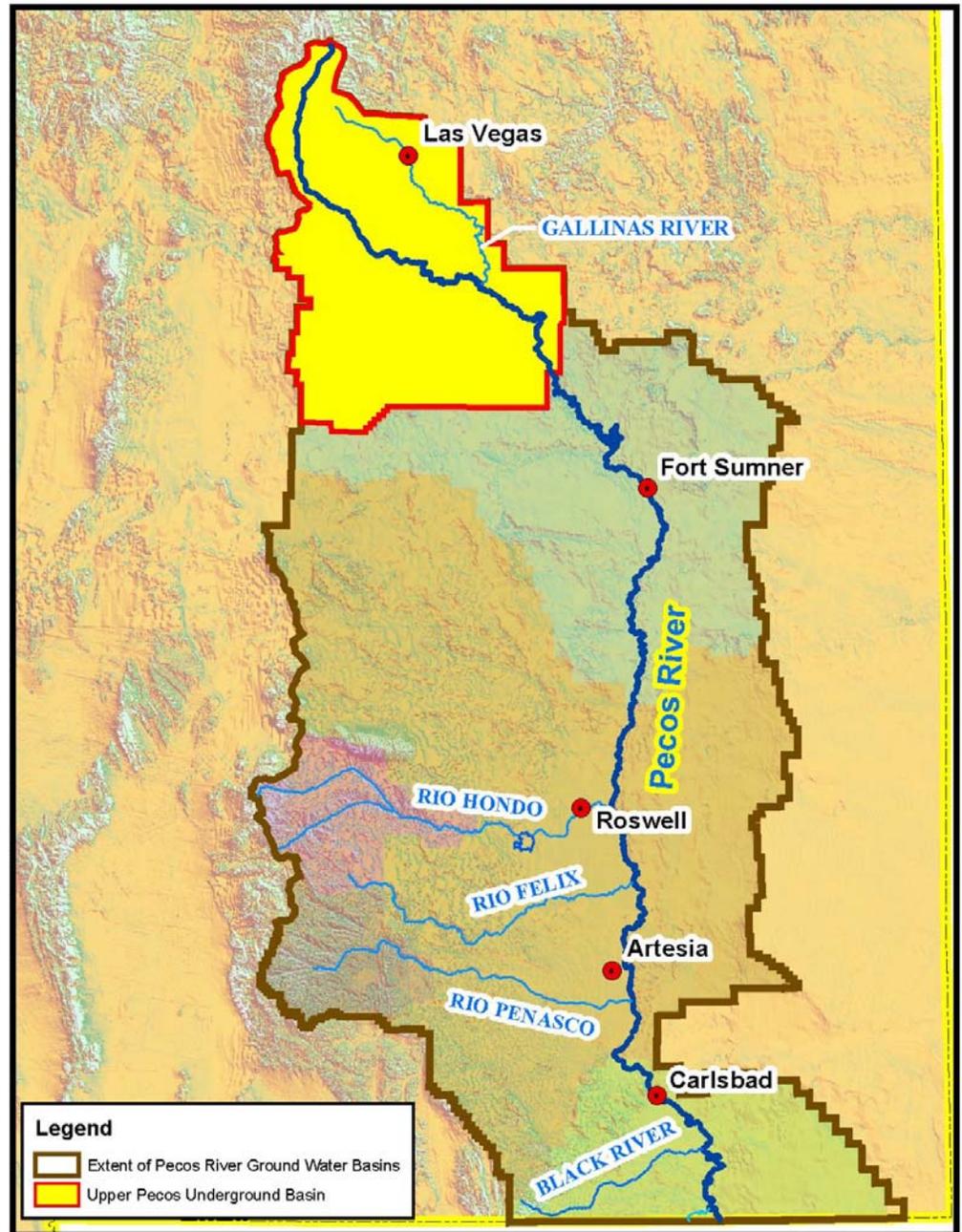
## Rio Bonito

Bloom Decree (1934)



# Pecos River Adjudication

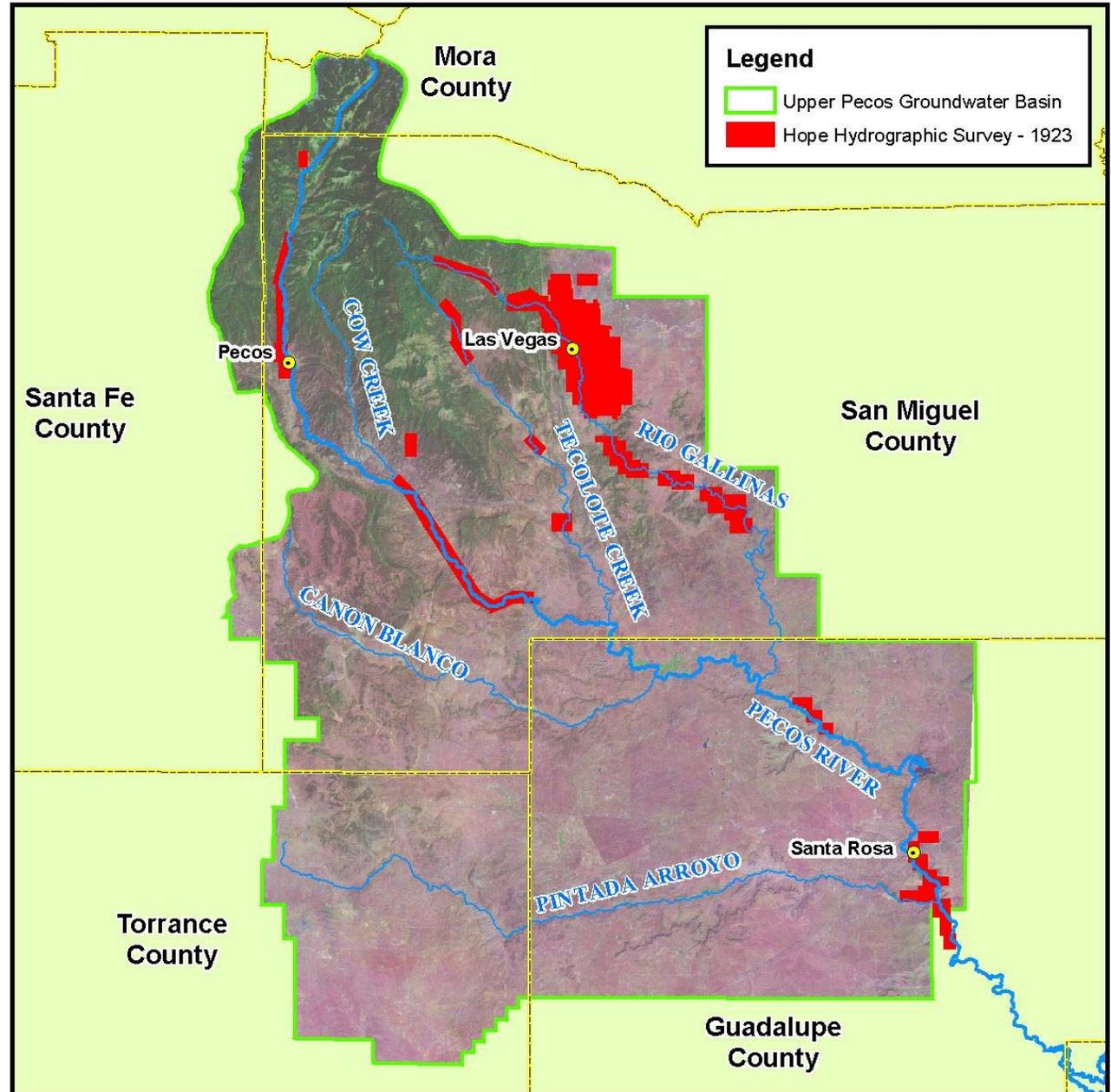
## Upper Pecos Groundwater Basin



# Upper Pecos Basin Adjudication History

## Hope Decree (1933)

- Surface water rights from headwaters of Pecos River to Santa Rosa
- Upper Pecos River,
- Tecolote Creek
- Gallinas River



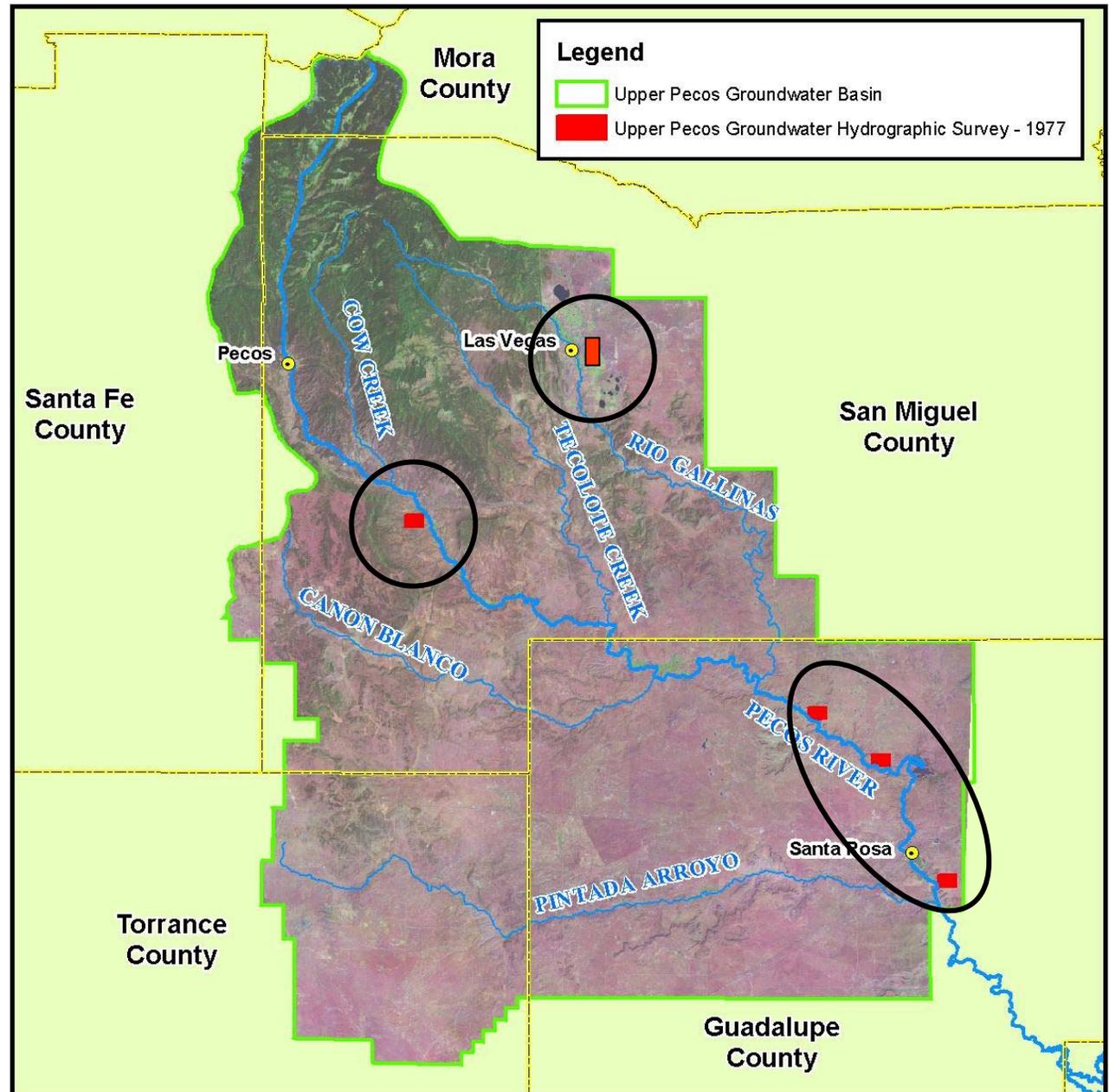
# Upper Pecos Basin Adjudication

Upper Pecos  
Groundwater  
Hydrographic  
Survey (1977)

## Adjudication

-94 claimants  
-118 subfiles

-No surface water  
hydrographic  
survey planned

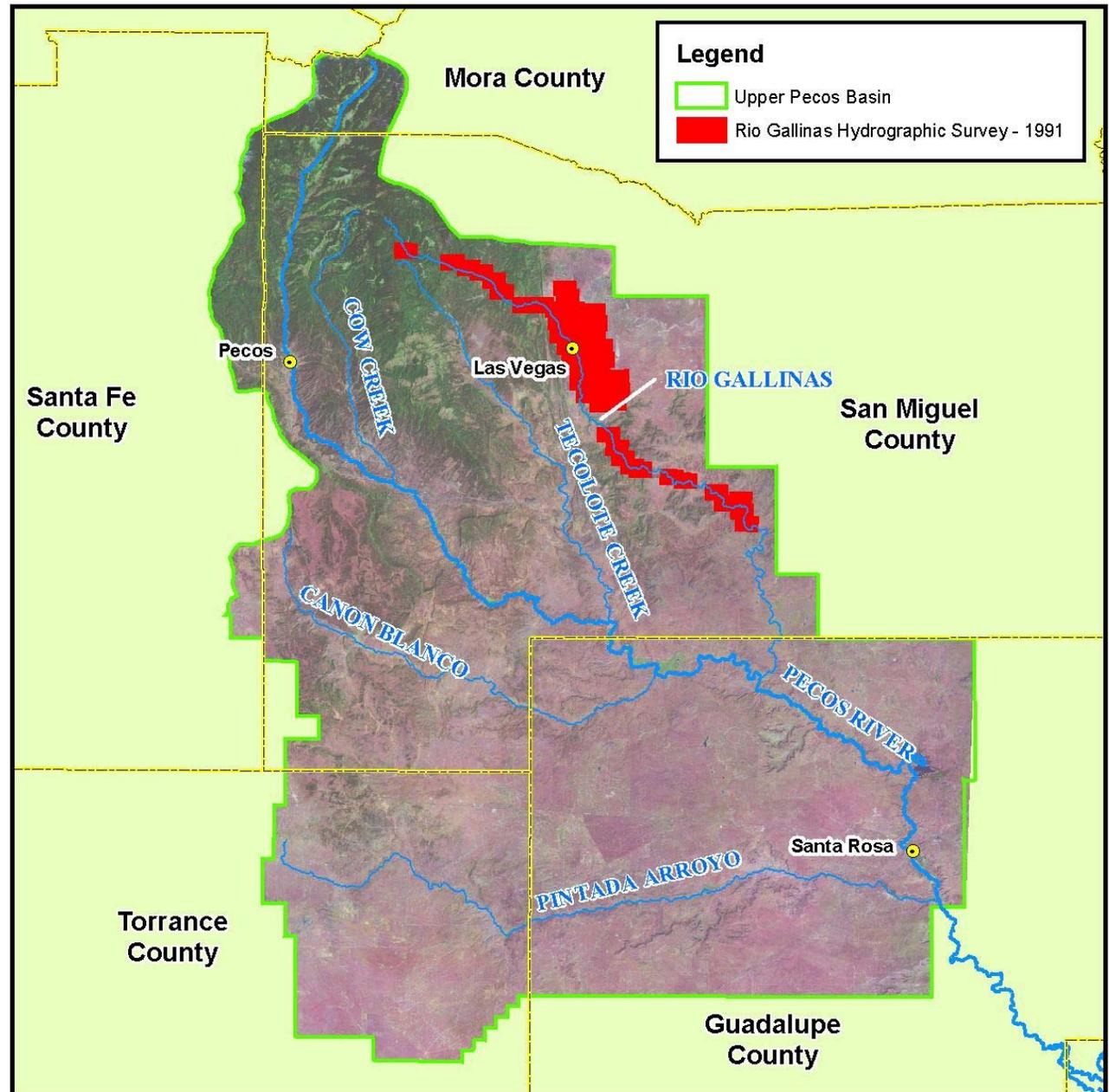


# Gallinas River Basin Adjudication

-Gallinas River  
Surface water  
Hydrographic  
Survey (1991)  
Vol. 1-5  
(based on Hope  
Decree)

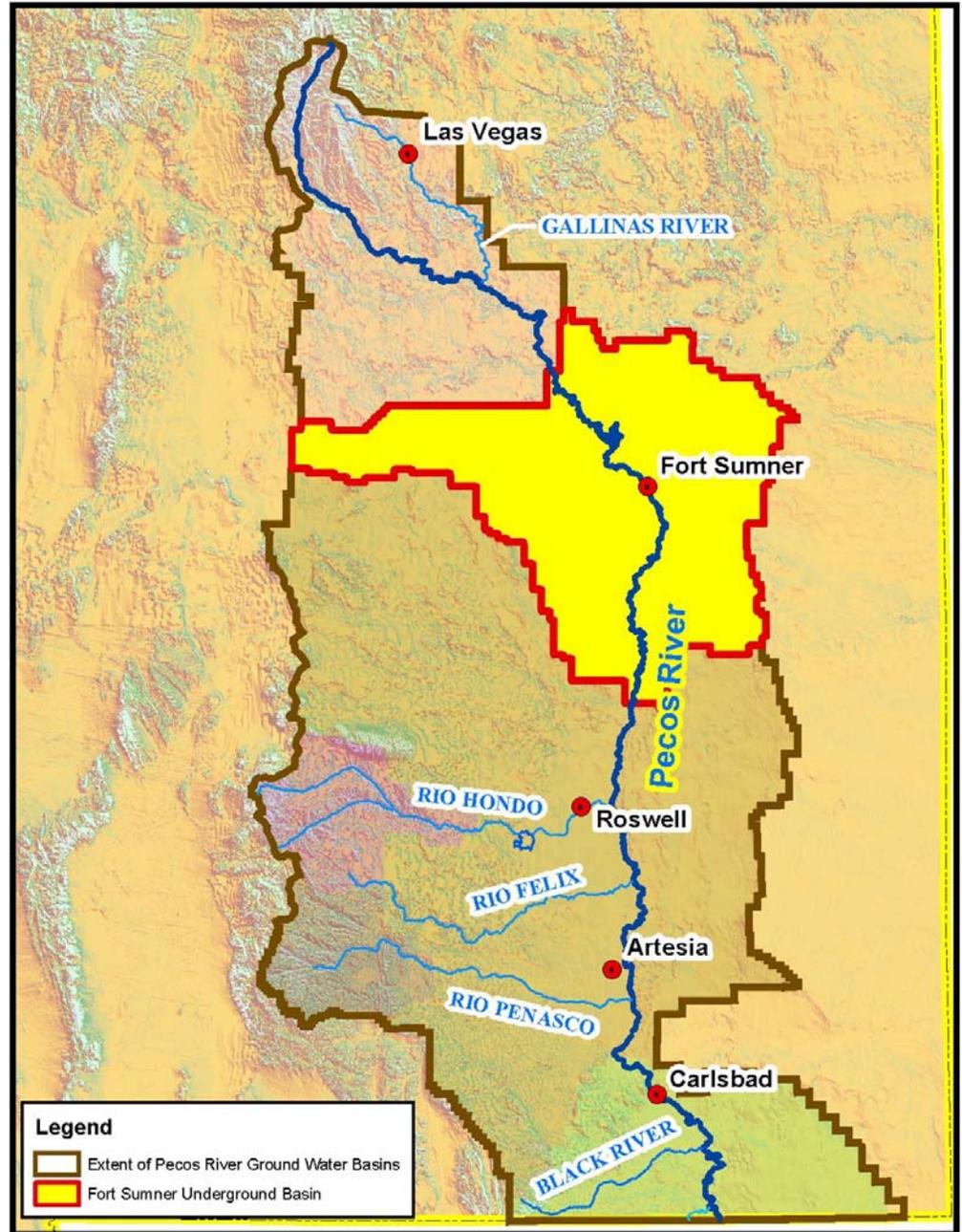
## Adjudication

-1,702 claimants  
-1,502 subfiles  
-Service on all  
claimants in  
survey (1991-1996)  
-352 subfiles  
currently  
adjudicated



# Pecos River Adjudication

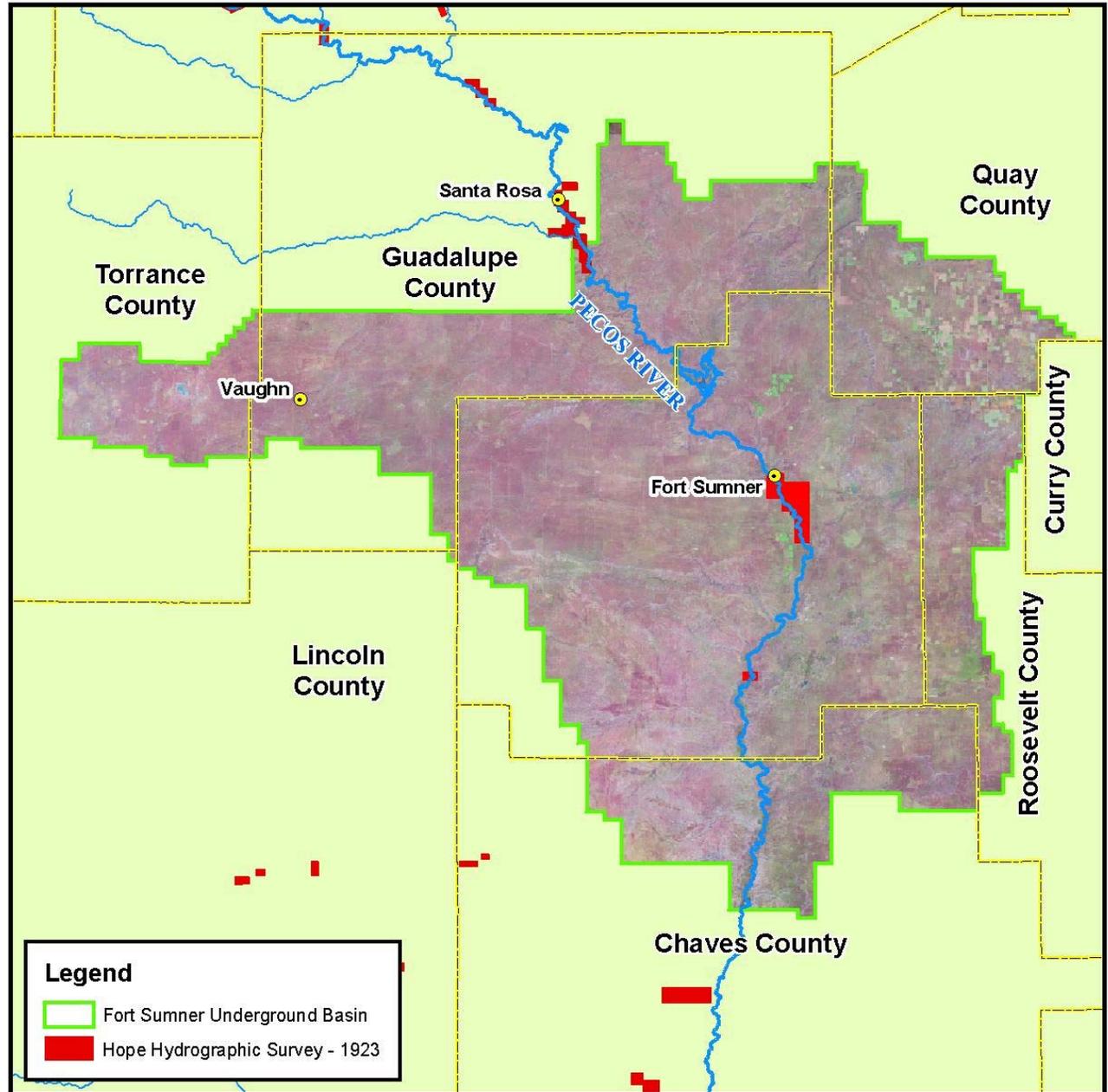
## Fort Sumner Groundwater Basin



# Fort Sumner Basin Adjudication History

Hope Decree (1933)

Fort Sumner  
Irrigation District

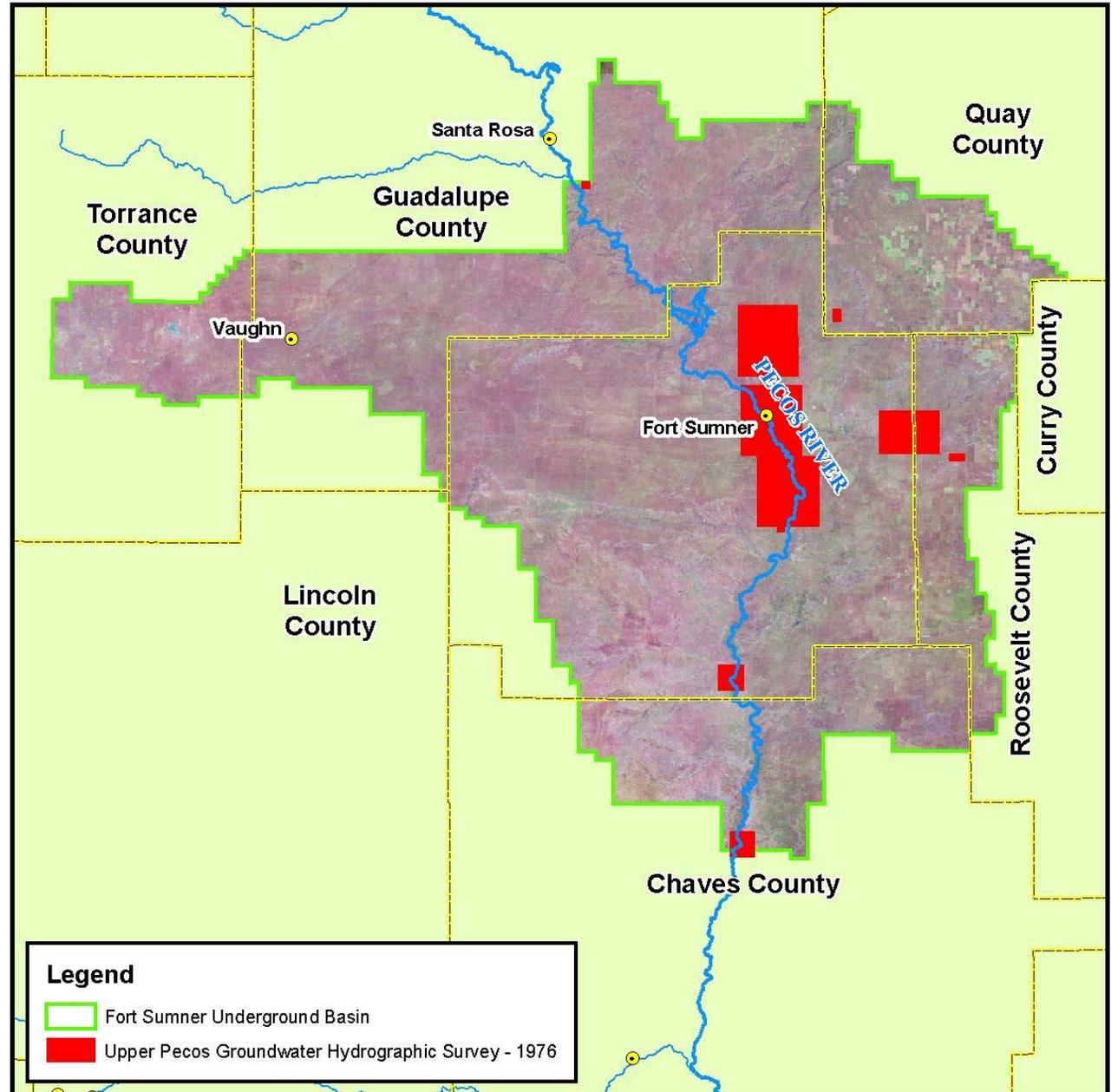


# Fort Sumner Basin Adjudication

Fort Sumner  
Underground  
Hydrographic  
Survey (1976)

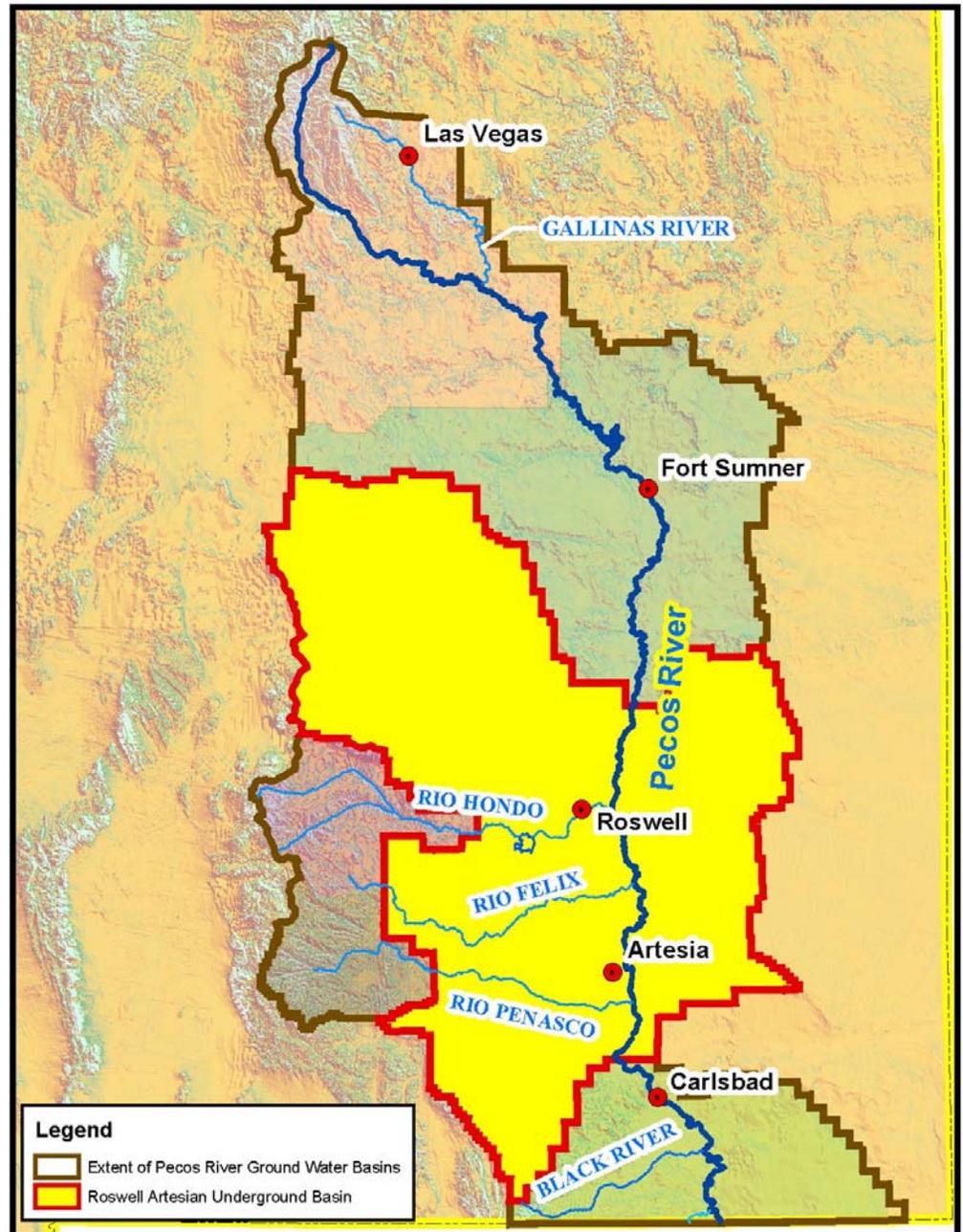
Adjudication  
-200 claimants

-No surface water  
hydrographic survey  
planned



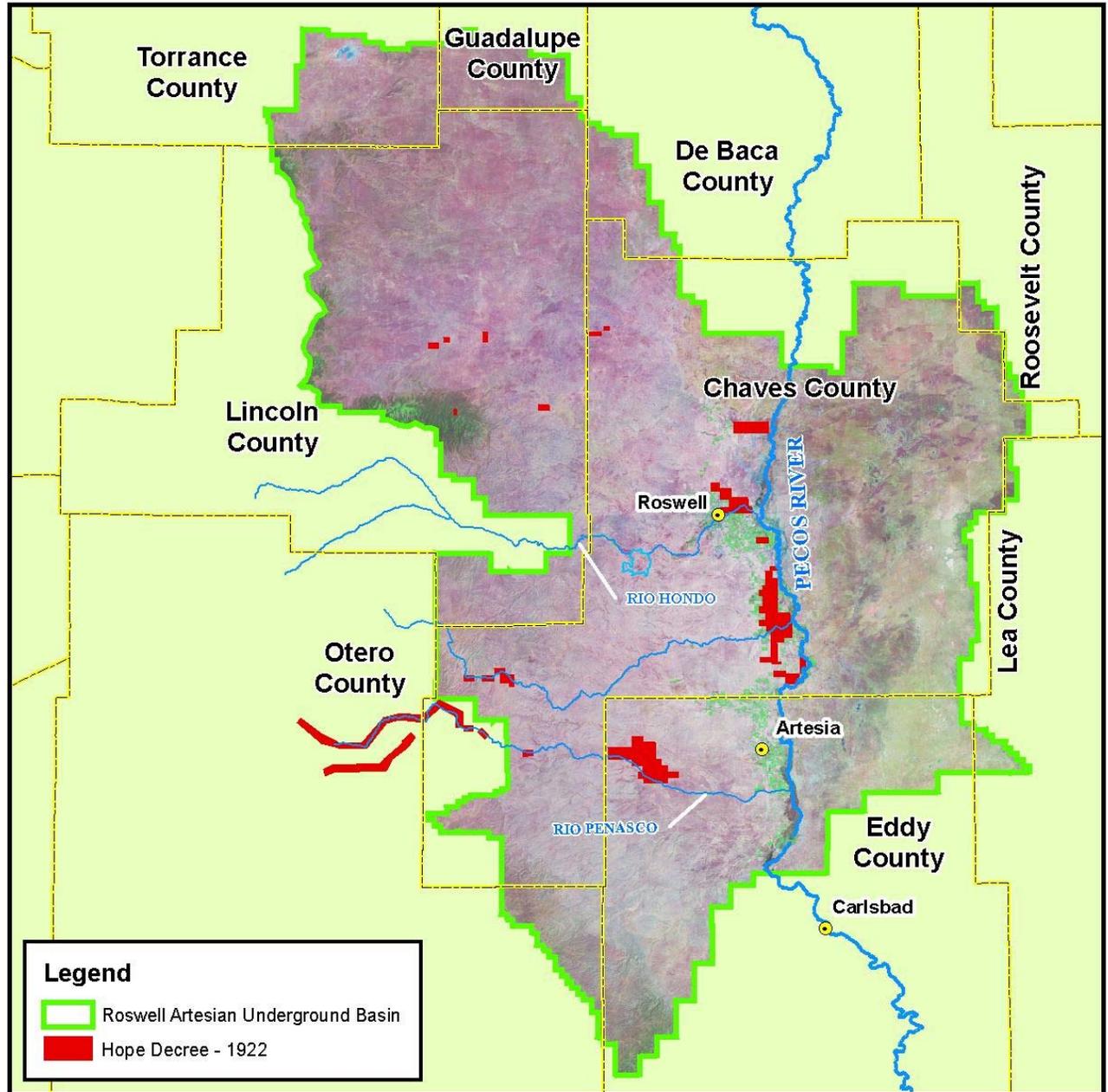
# Pecos River Adjudication

## Roswell Groundwater Basin



# Roswell Underground Basin Adjudication History

Hope Decree (1933)

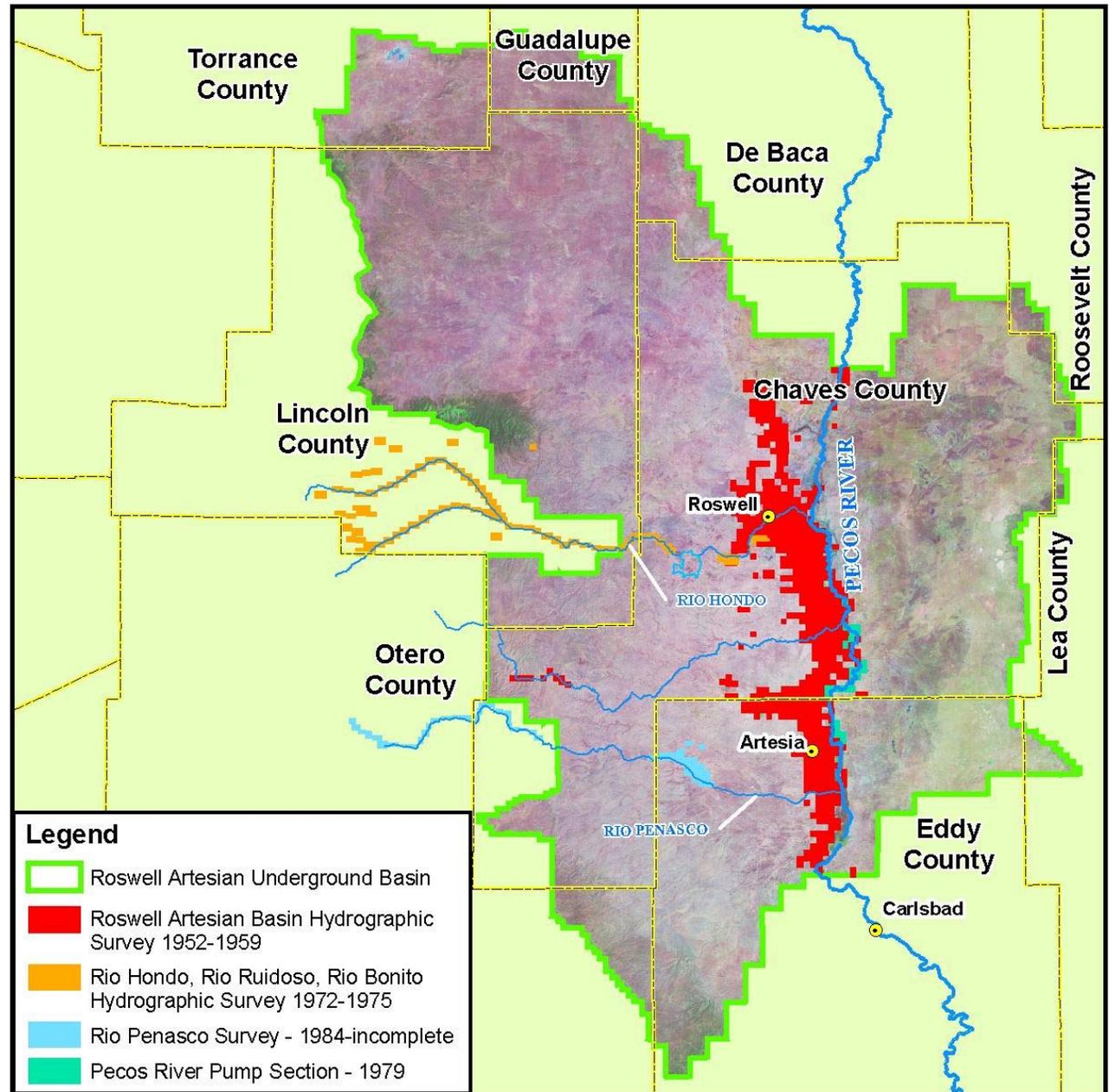


# Roswell Underground Basin Adjudication

Roswell Underground  
Hydrographic Survey  
(1958)

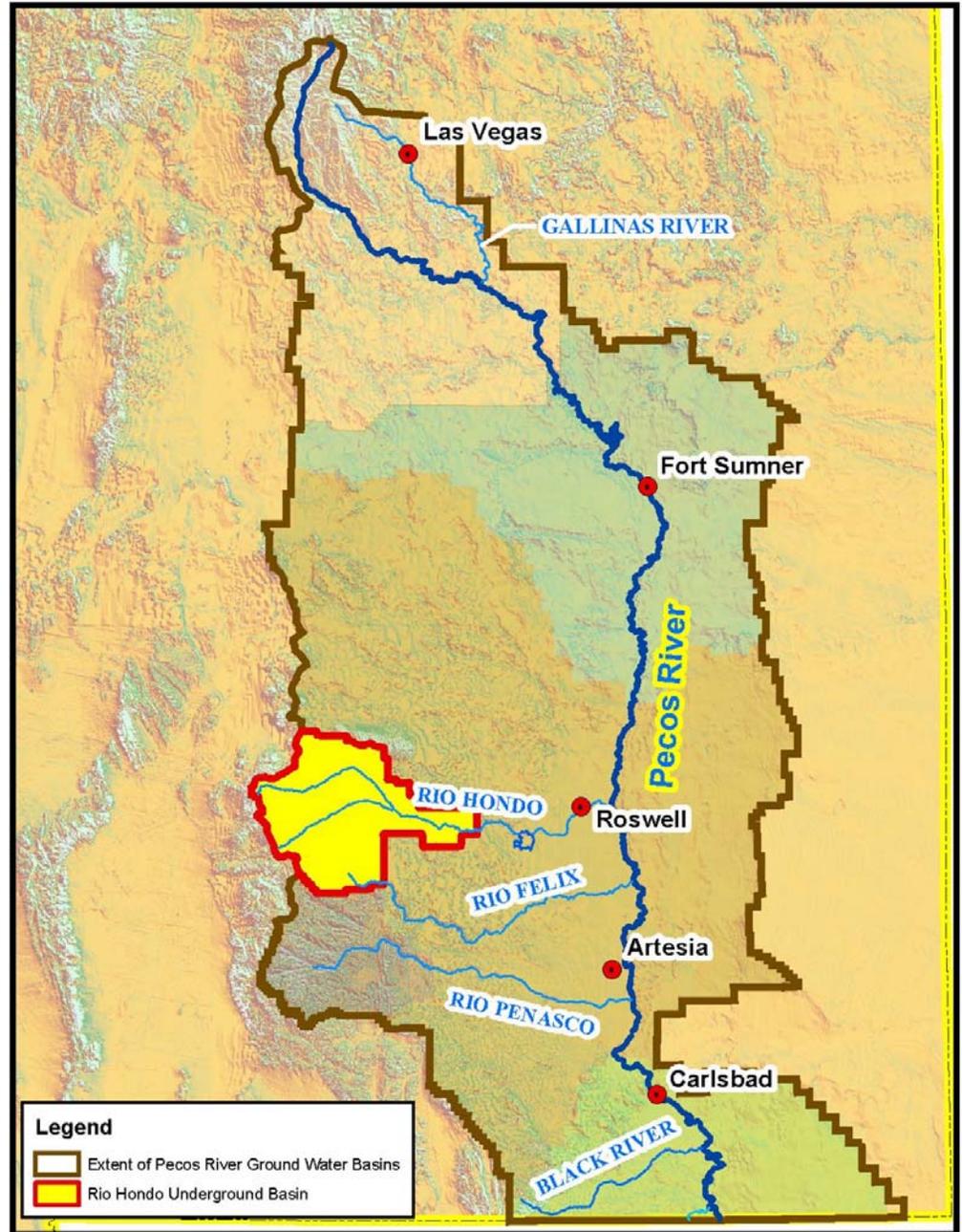
Groundwater  
Adjudication  
-3500 claimants  
(approx.)  
-1500 subfiles  
(approx.)

Surface water  
-No hydrographic  
additional survey  
planned



# Pecos River Adjudication History

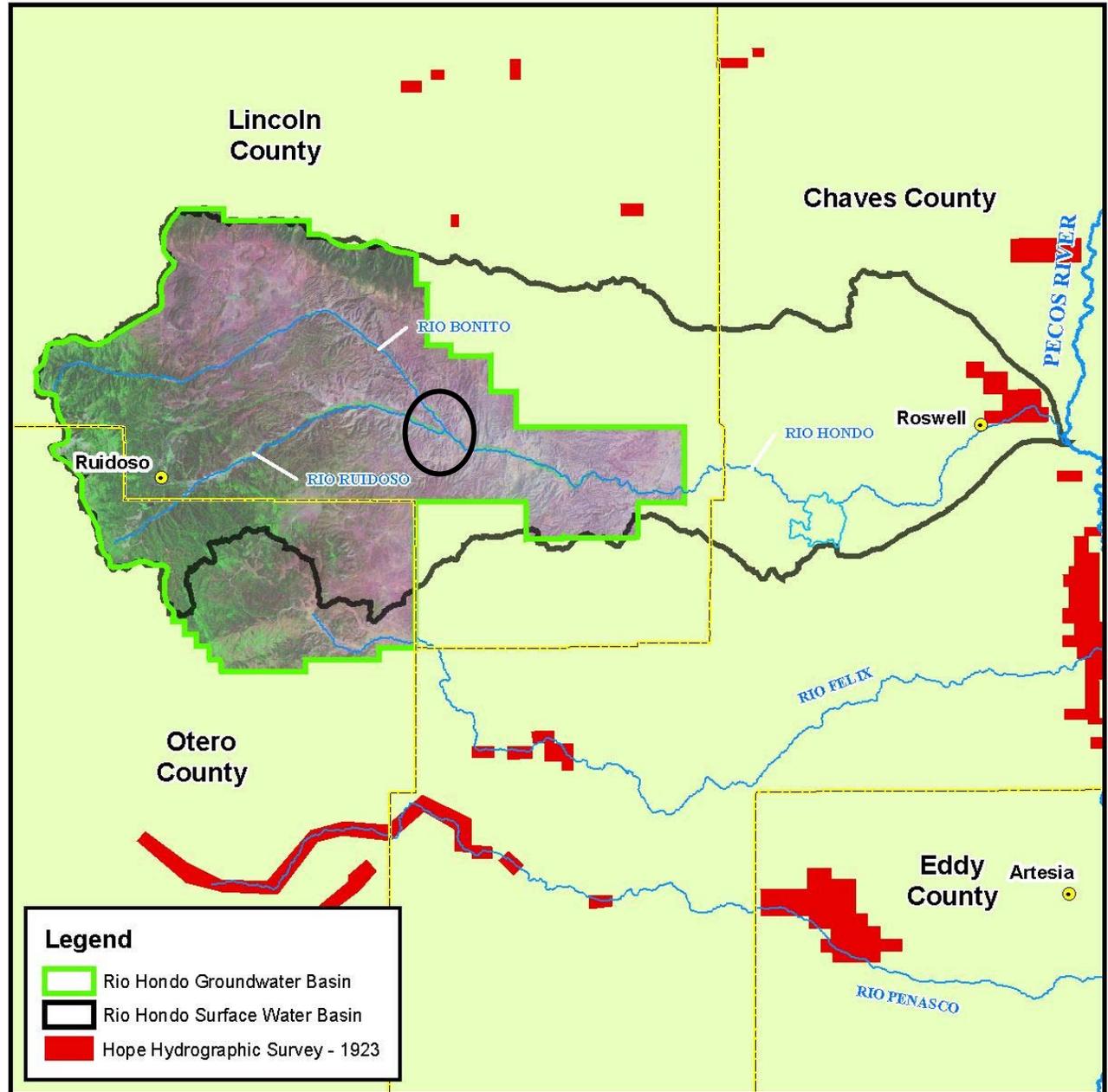
## Rio Hondo Basin



# Rio Hondo Basin Adjudication History

Hope Decree  
(1933)

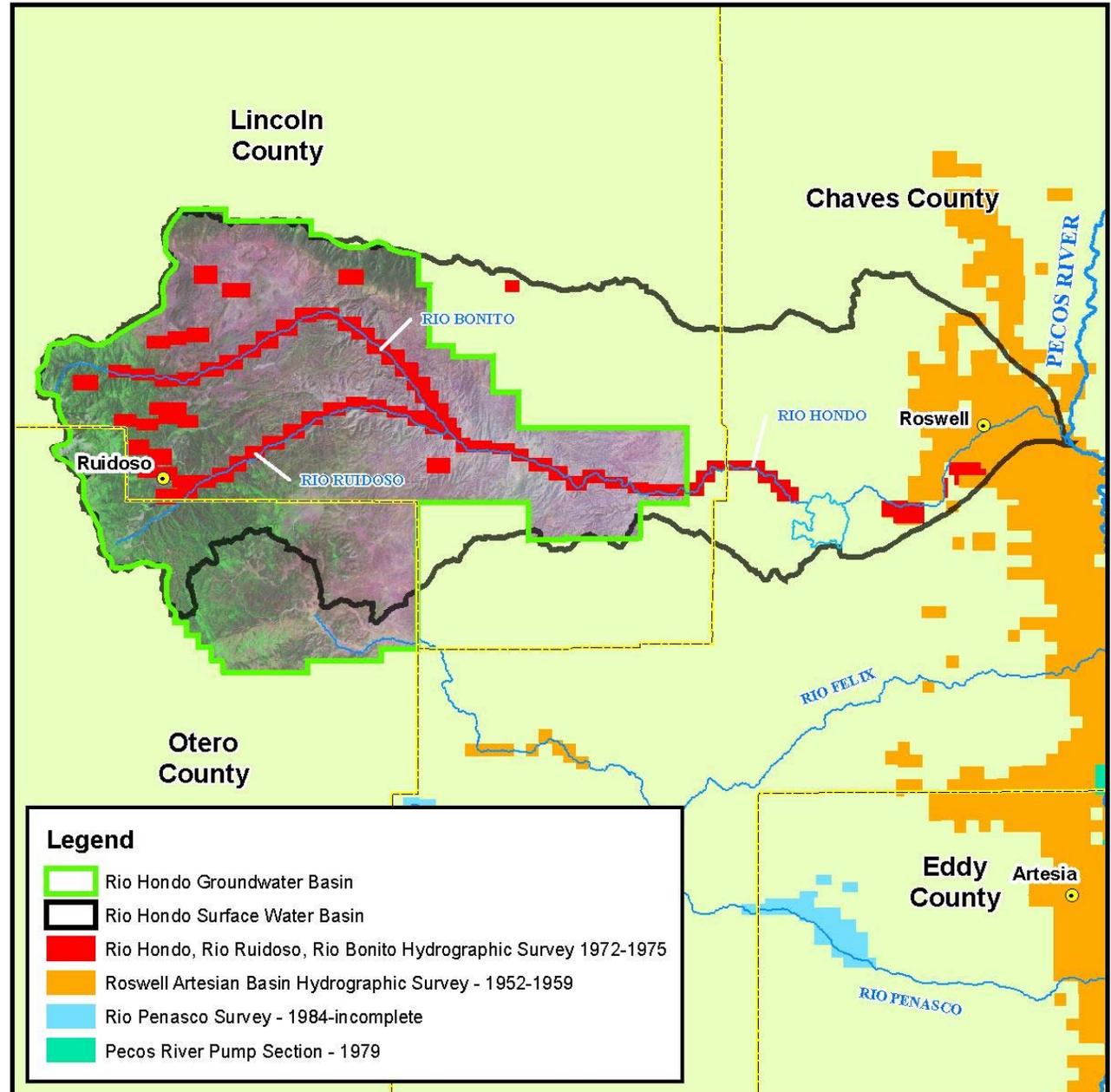
Bloom Decree  
(1934)



# Rio Hondo Basin Adjudication

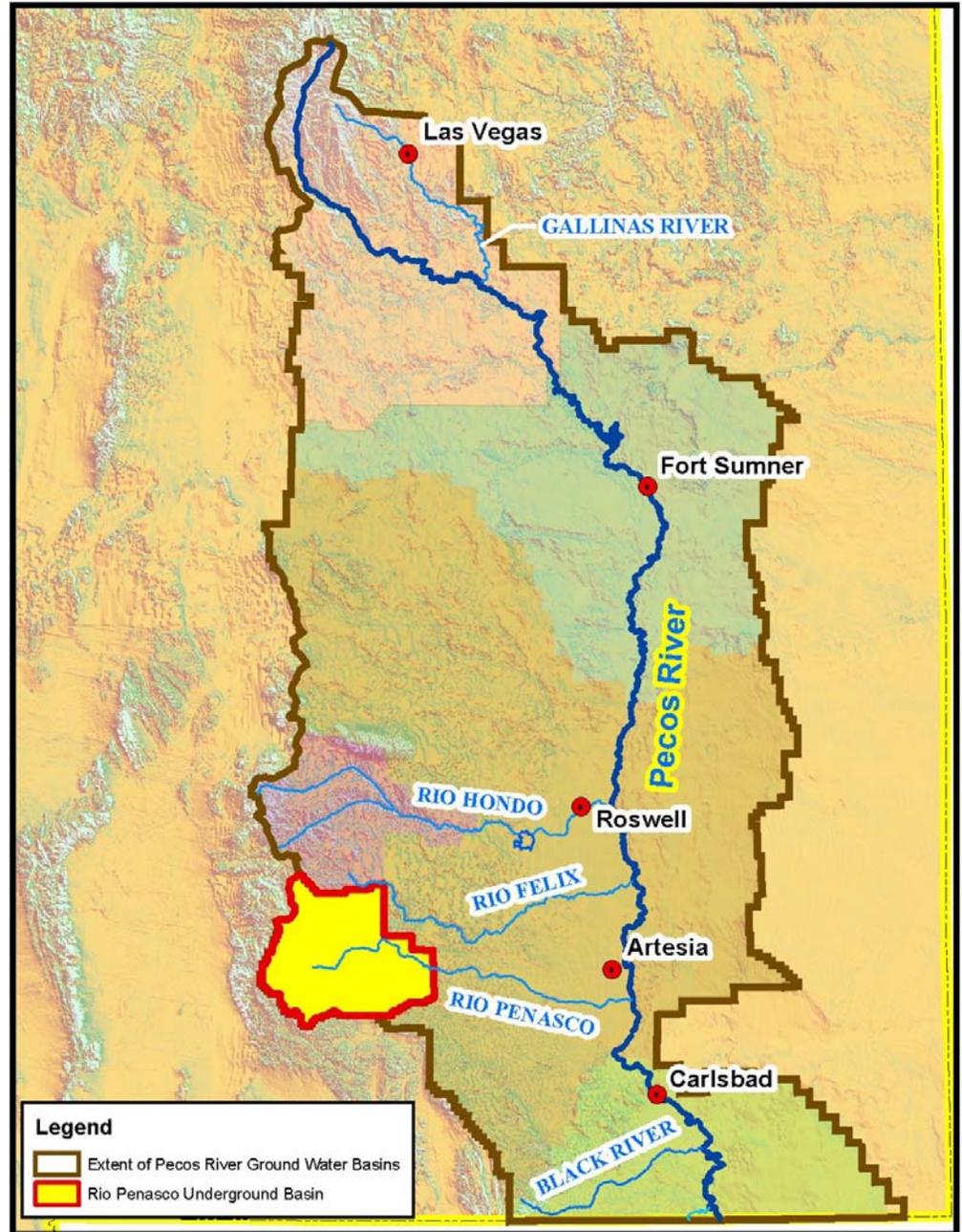
Rio Hondo – Bonito –  
Ruidoso Surface and  
Groundwater  
Hydrographic Survey  
(1972, 1975)

Adjudication  
-800 claimants



# Pecos River Adjudication

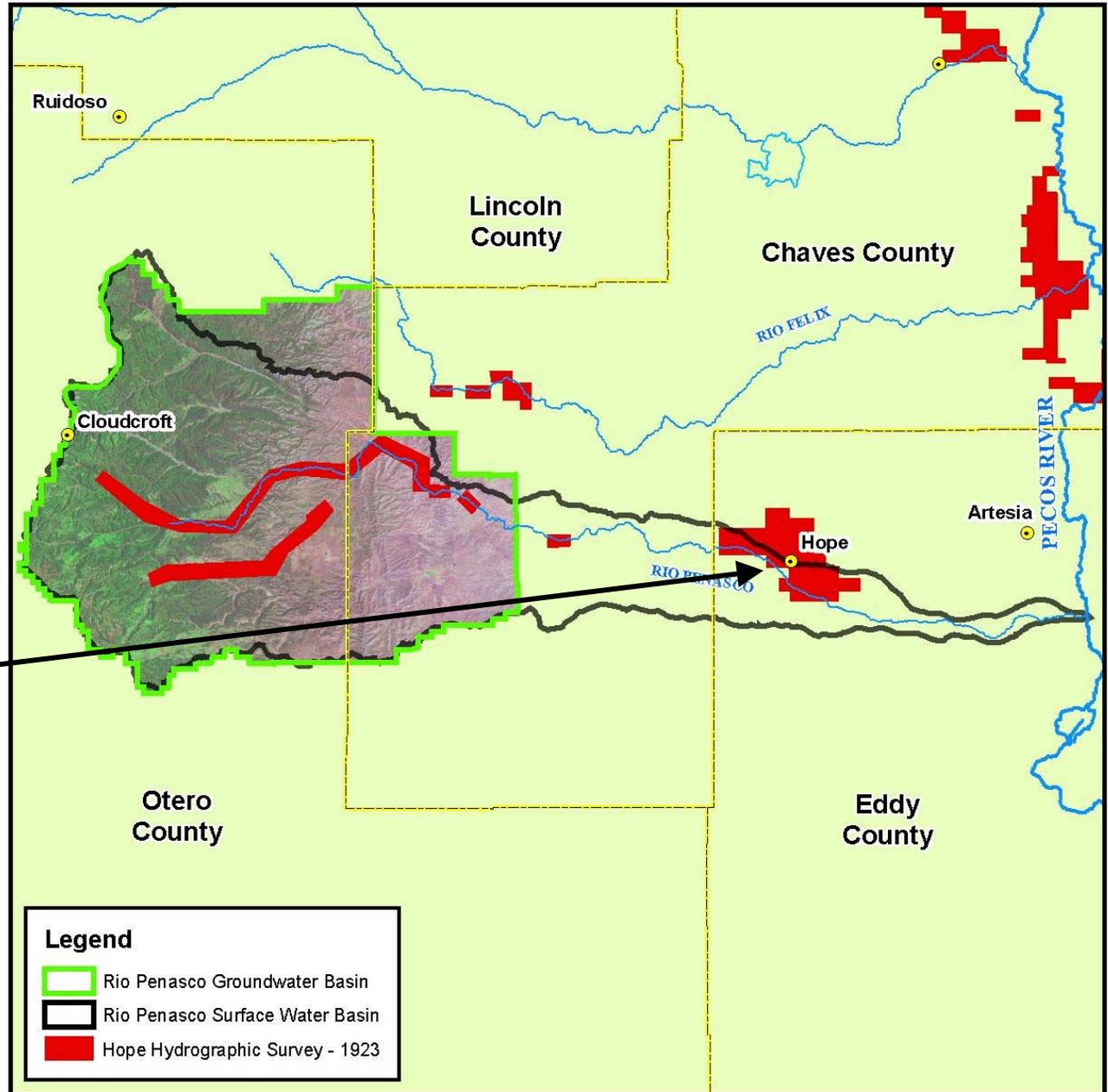
Peñasco Basin



# Peñasco Basin Adjudication History

Hope Decree  
(1933)

Hope Community  
Ditch



# Peñasco Basin Adjudication

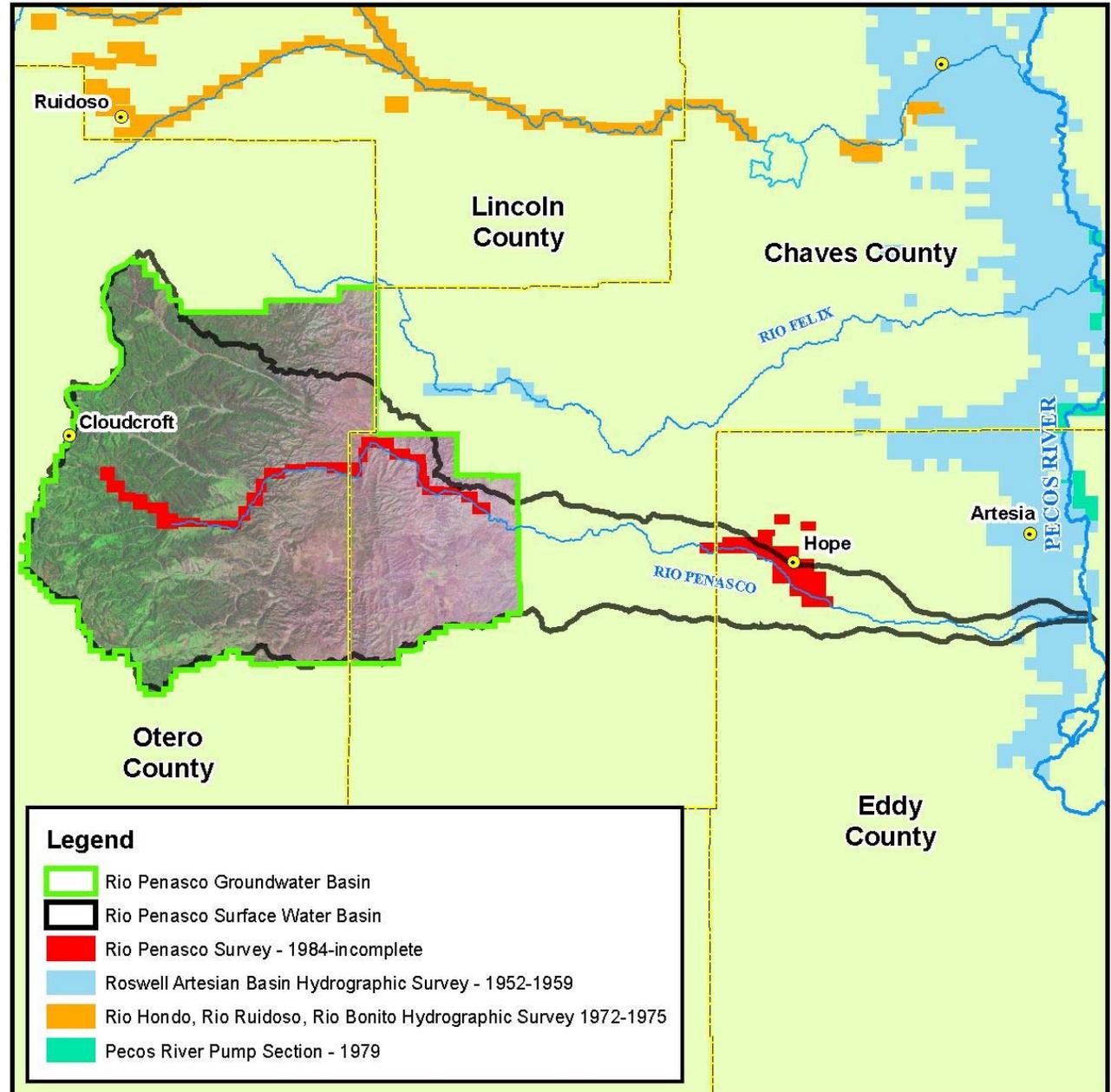
Lower Peñasco  
Surface Water  
Hydrographic  
Survey (1988)

-87 subfiles  
-53 claimants

Adjudication

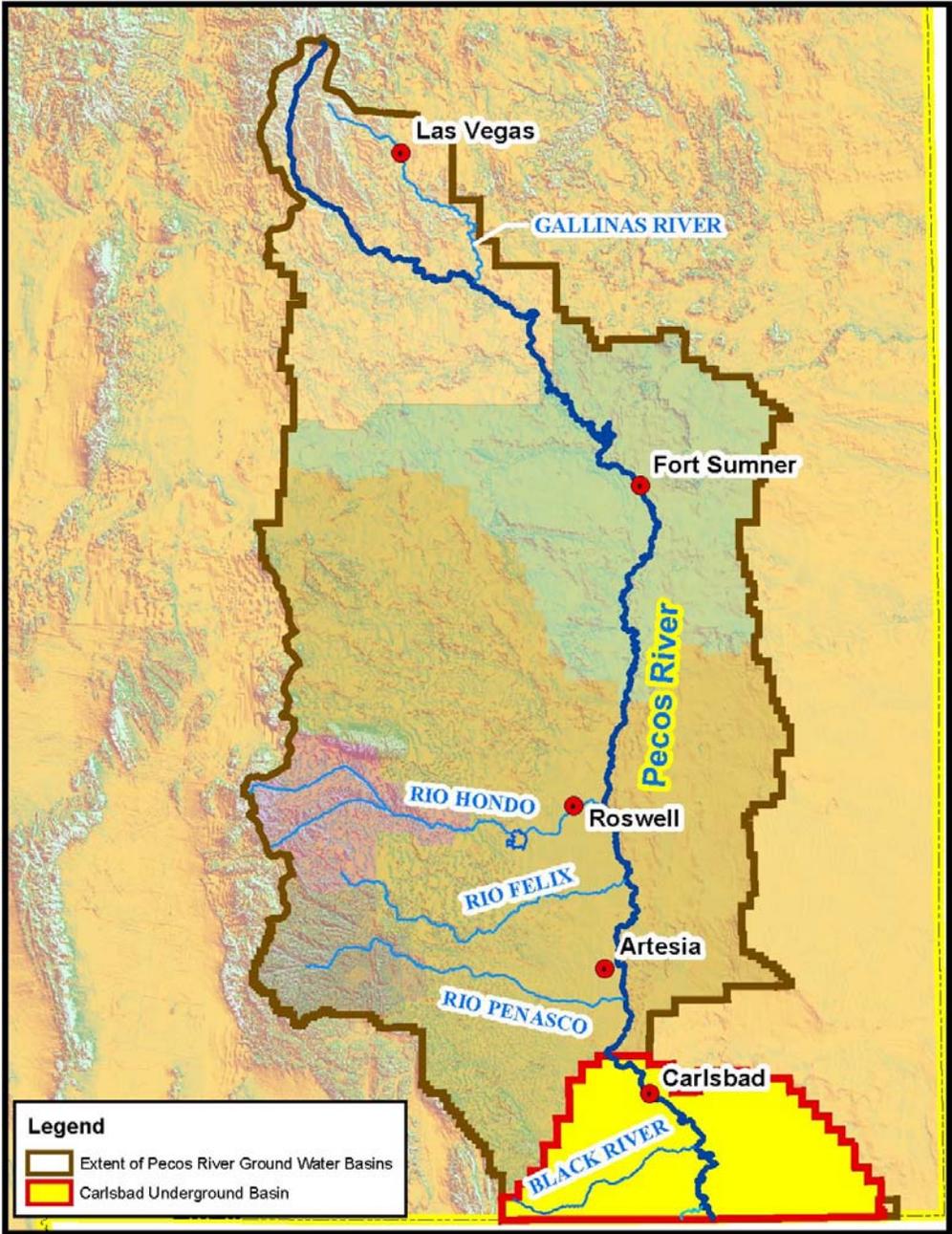
Not started

Upper Peñasco  
Surface and  
Groundwater  
Hydrographic  
Survey (incomplete)



# Pecos River Adjudication

## Carlsbad Underground Basin



# Carlsbad Underground Basin Adjudication History

## Black River

Judkins Decree (1912)

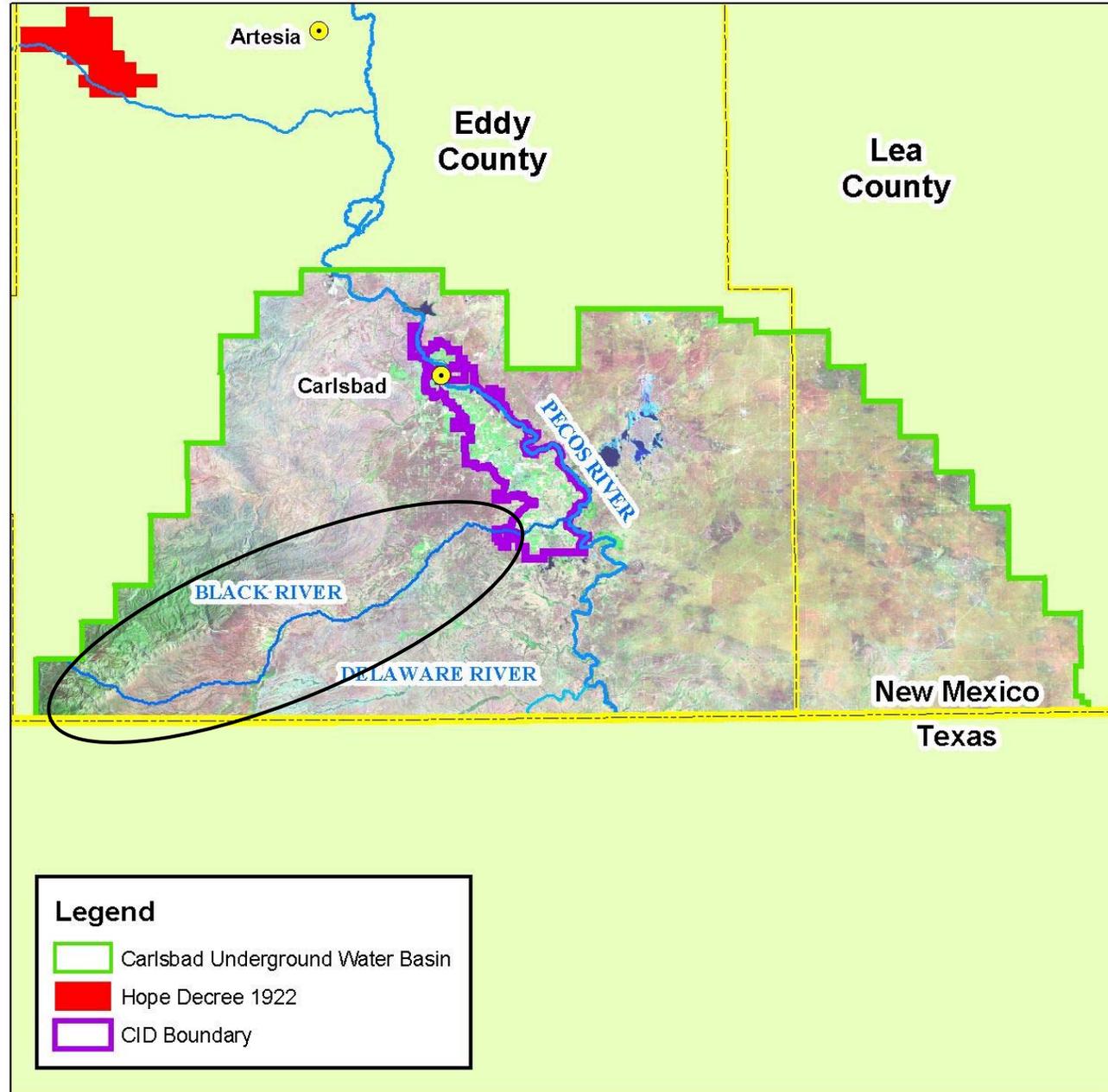
Parkhurst Decree  
(1921)

Harkey Decree (1930)

Woods Decree (1967)

## Carlsbad Irrigation District

Hope Decree (1933)

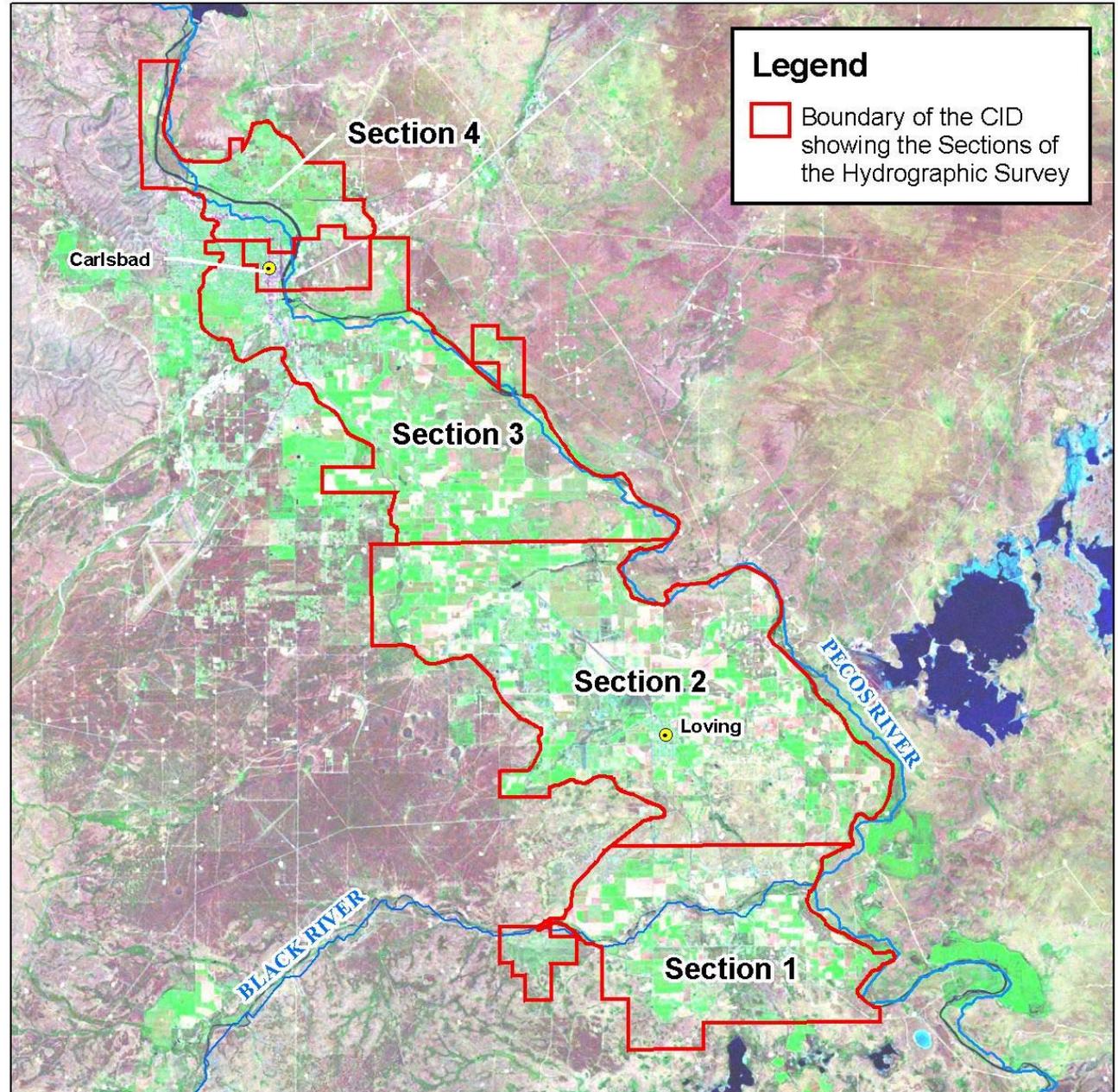


# CID Adjudication

**CID 1 Surface Water  
Hydrographic Survey  
(2002)**

**CID 2 Surface Water  
Hydrographic Survey  
(2003)**

**CID 4 Surface Water  
Hydrographic Survey  
(2004)**



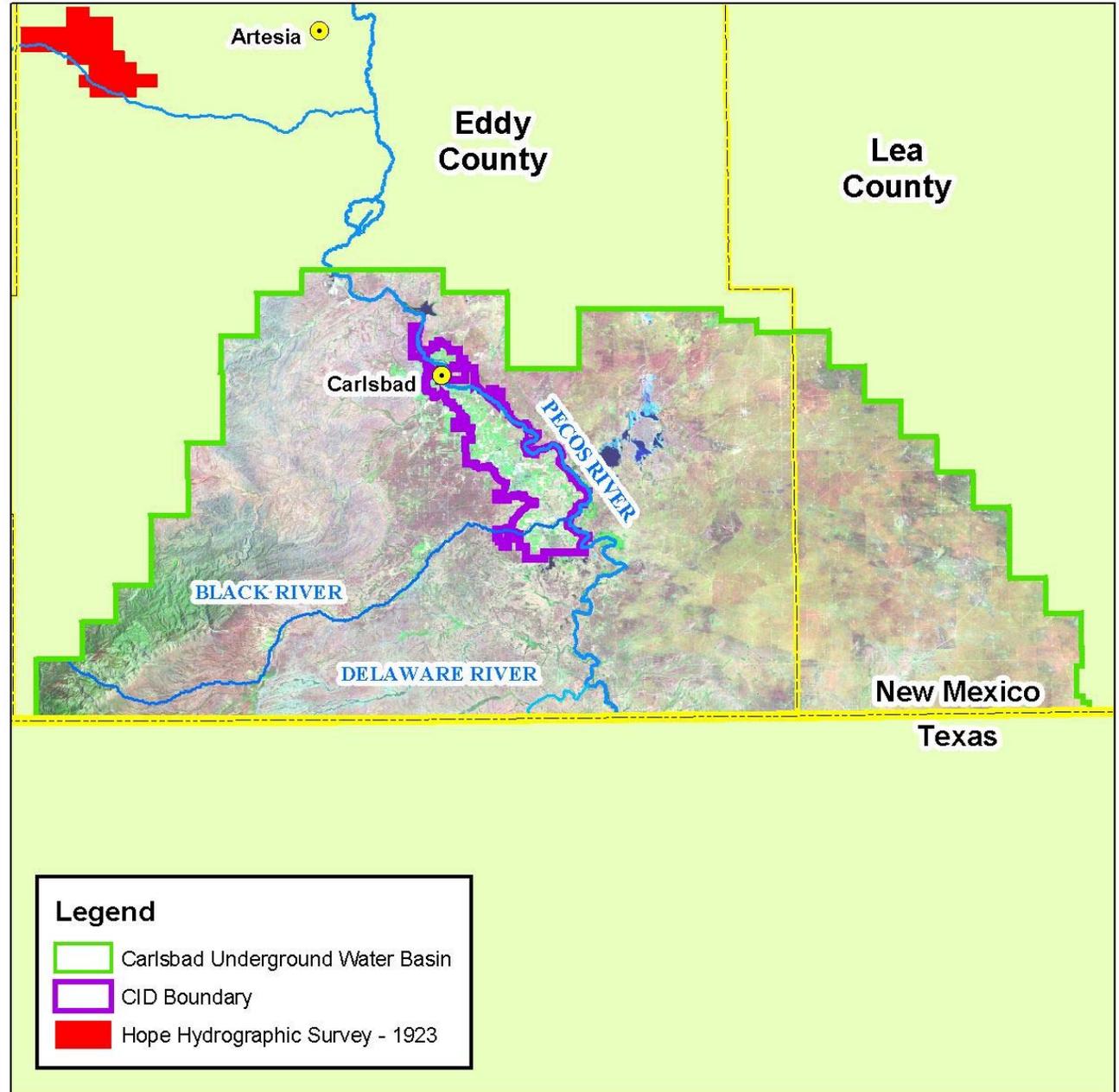
# Carlsbad Underground Basin Adjudication

Black River  
Surface Water  
Hydrographic  
Survey (2002)

- 14 claimants
- 36 subfiles

## Adjudication

-Not started

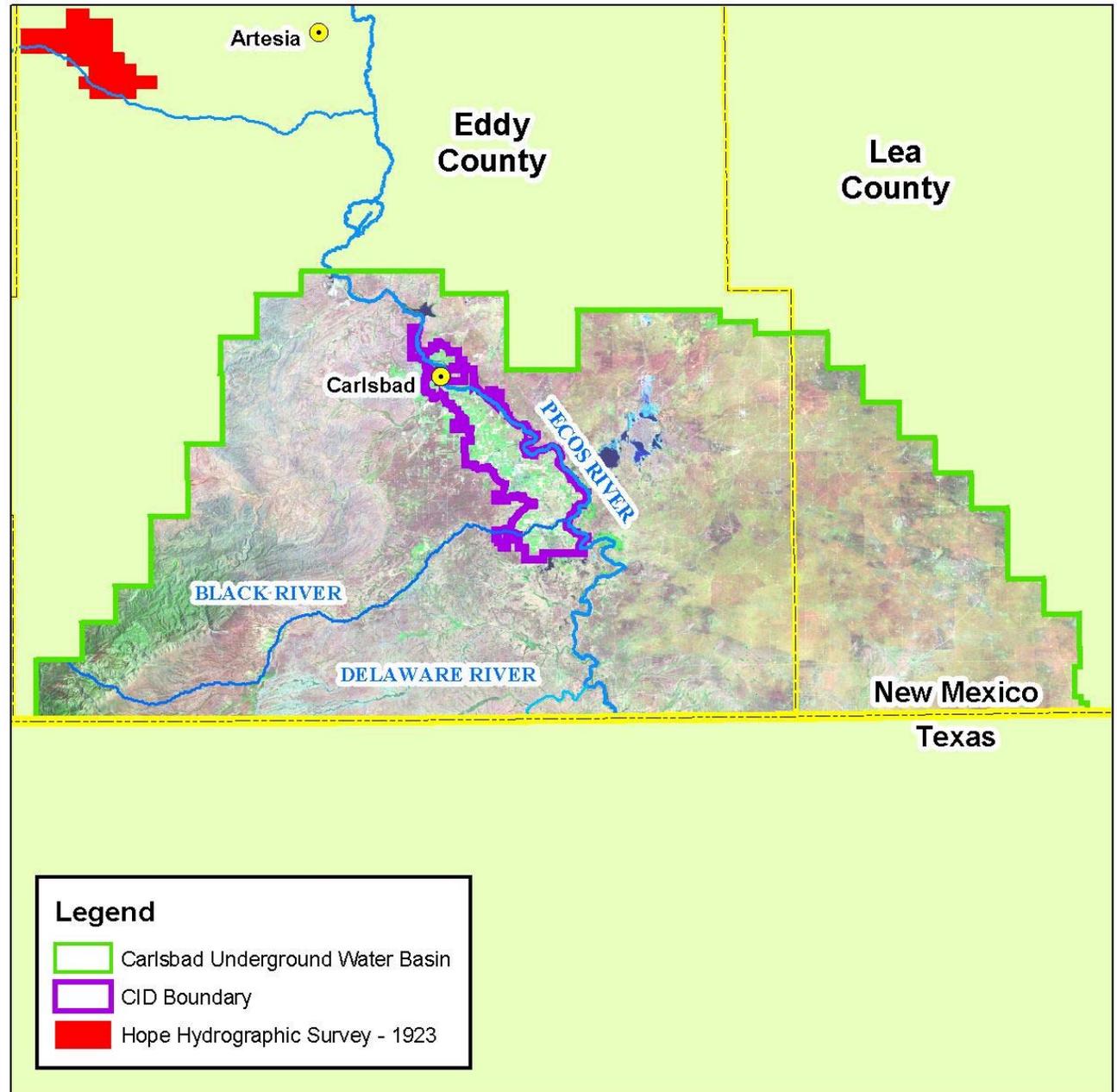


# Carlsbad Underground Basin Adjudication

Preliminary  
Groundwater  
Hydrographic  
Survey (2002)

Adjudication

-Not started



# Pecos Bureau Areas of Involvement July 2004

- CID Adjudication
- Gallinas Adjudication
- Roswell Artesian Basin Relation Back Litigation
- Delaware Ranch
- IPRA

# Pecos Bureau Areas of Involvement July 2005

- CID Adjudication
- Gallinas Adjudication
- Tracy/Eddy/Hope Appeal
- Roswell Artesian Basin Relation Back Litigation
- Gallinas FDR Litigation
- Mescalero Apache Claims
- AWRM
- IPRA Matters
- Contested Subfile Trial Matters
- Enforcement activity
- Delaware Ranch
- Intrepid Mining
- Acequia Measurement Matters
- Bitter Lake Federal Reserve Adjudication
- Pecos Miscellaneous Adjudication
- Las Vegas Remand Litigation

# Staffing 2004 - 2005

2004

- Attorneys 7 FTE
  - 1 vacancy
- Technical 9 FTE
  - 2 vacancy
- Support 2 FTE
  - 0 vacancy

2005

- Attorneys 7 FTE
  - 1 Vacancy
- Technical 9 FTE
  - 4 vacancies in August
- Support 2 FTE
  - 2 vacancies

# The Future of the Pecos Adjudication 1 – 4 Years

- ❑ Define actual status of each area of the Adjudication
- ❑ Complete CID surface adjudication
- ❑ Possible *inter se* of CID surface rights
- ❑ Begin CUB and Black River adjudication
- ❑ Begin adjudicating areas of the Pecos River Adjudication that have **both**
  - State identified priority, **and**
  - Present an opportunity to complete them in a reasonable time frame
- ❑ Identify longer term goals and areas of concentration
- ❑ Likely involvement in enforcement on an extended basis

# Future of the Pecos

## 5 – 8 Years

- Develop information on and begin adjudicating municipalities
- Continue and complete Pecos Misc. matters
- Resume areas of Pecos Adjudication that have been suspended
- Assist in *inter ses* as necessary
- Assist in development of administration plans for the River
- Continue with enforcement, if necessary

# What Does It Take to Develop a Hydrographic Survey Report?

The Pecos Bureau is currently working on the hydrographic survey report for CID 3.