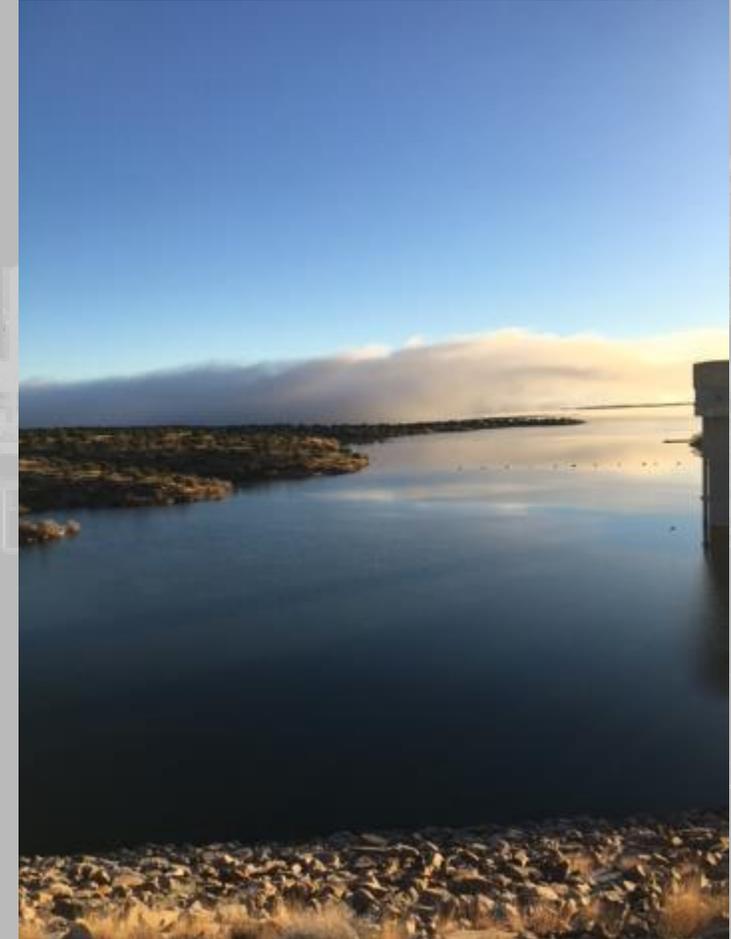


# 2020 PECOS RIVER COMMISSION ANNUAL MEETING

## PECOS RIVER BASIN REPORT

LTC Patrick M. Stevens V, PE, PMP  
District Commander  
South Pacific Division/Albuquerque District  
Date: 10 September 2020



US Army Corps  
of Engineers®



# TOPICS

Albuquerque District Overview

Santa Rosa Project Operations

Two Rivers Project Operations

Pecos Basin Civil Works Projects



**Pecos River Basin**

Albuquerque District

Santa Rosa

Sumner

Two Rivers

Brantley

Avalon

Red Bluff

NEW MEXICO

TEXAS

US Army Corps of Engineers, Albuquerque District

2019 Water Management and Civil Works Activities



# ALBUQUERQUE DISTRICT OVERVIEW



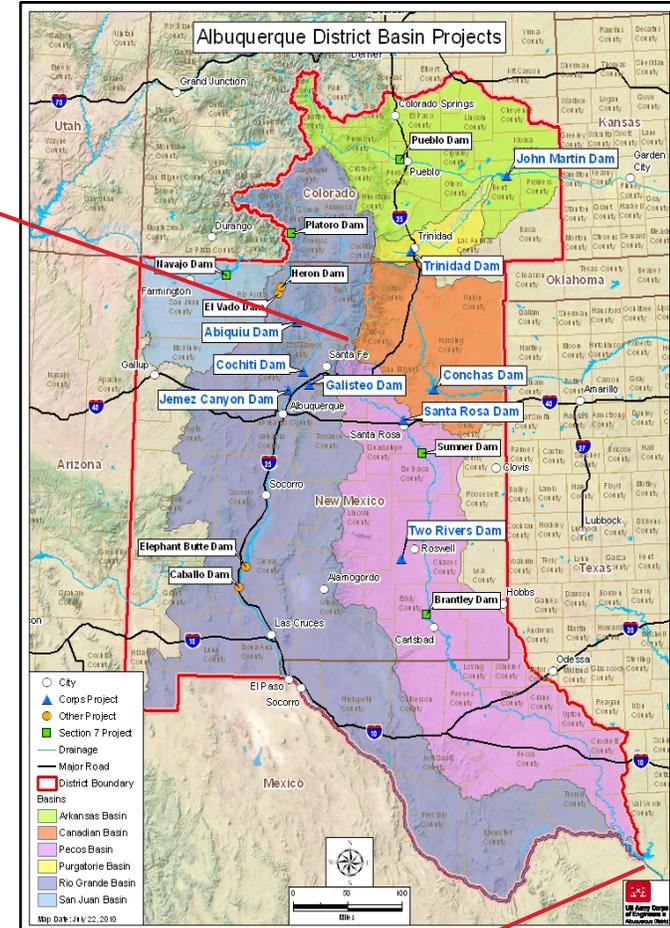
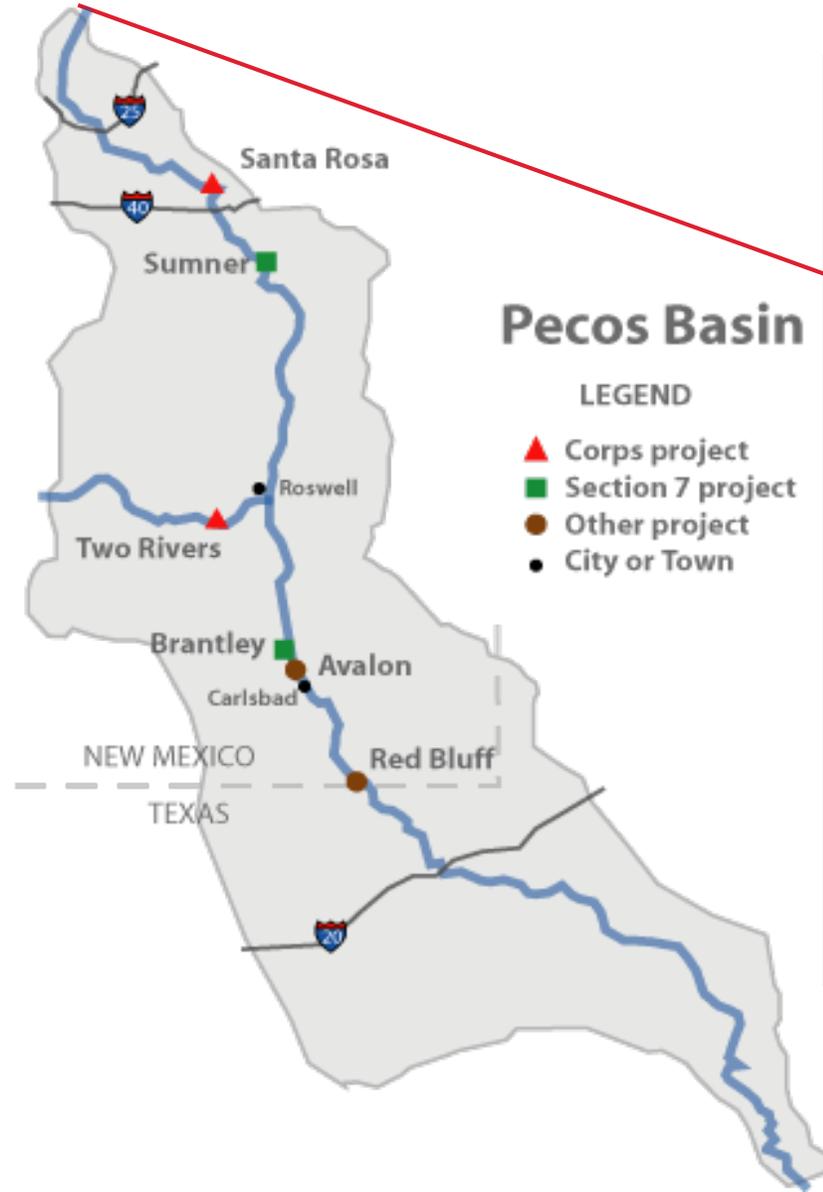
Primarily serve 3 States (NM, CO, TX)

Operate and maintain 9 dams and 8 state campgrounds with 6.7 million visitor hours annually

Support 3 major Air Force installations, New Mexico National Guard, and Army Reserve

Partner with 23 federally recognized tribes

Approximately 370 employees





# 2019-2020 PECOS WATER OPERATIONS

## Santa Rosa Dam and Lake

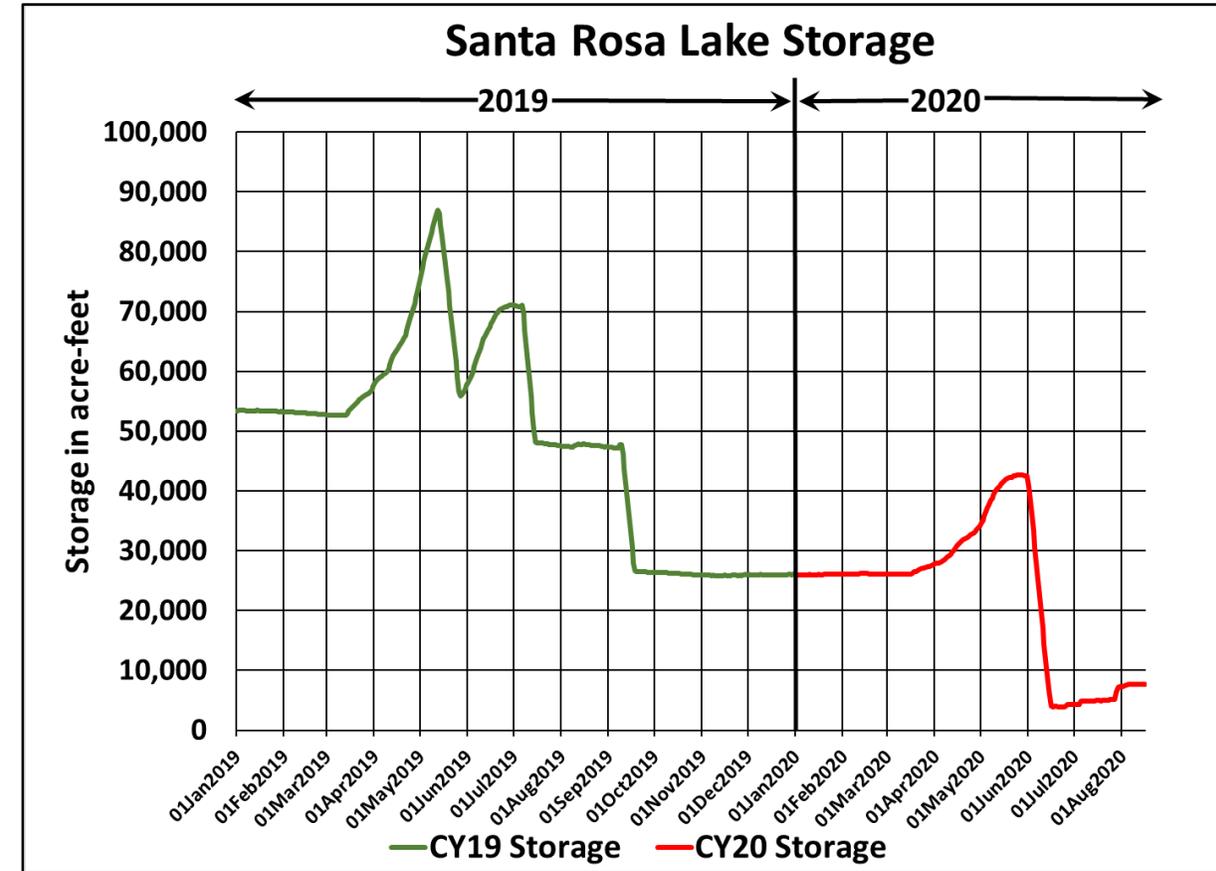


### CY 2019 Actual Operations

- 112% of average runoff period inflow
- Three block releases totaling 83,300 ac-ft
- No Flood Risk Management Operations
- Peak storage: 87,130 ac-ft
- Minimum storage: 25,970 ac-ft
- End of year storage: 26,030 ac-ft
- No evidence of zebra or quagga mussels

### CY 2020 Forecast and Actual Operations

- April 1<sup>st</sup> runoff forecast: 37,000 ac-ft (66% Avg)
- Actual runoff inflow: 22,000 ac-ft (39% Avg)
- Storage peaked May 25 with 42,650 ac-ft
- 38,000 ac-ft block release completed June 1 through June 16
- No snowmelt related bypasses or Flood Operations to date





# 2019-2020 PECOS WATER OPERATIONS

## Two Rivers Project

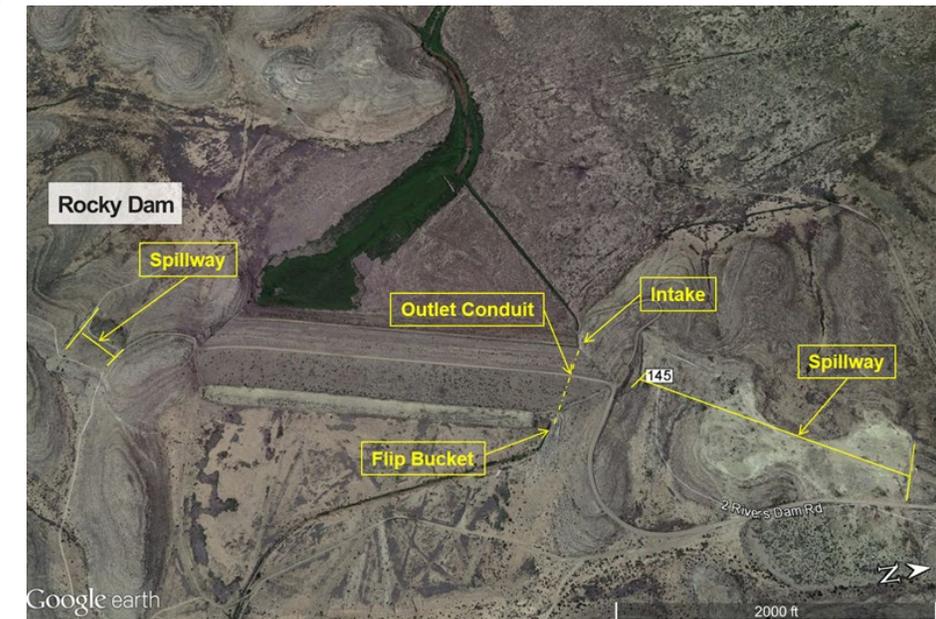


### CY 2019 Actual Operations

- No Flood Risk Management Operations
- Peak outflow of 50 cfs on February 17
- 2,340 cfs at Rio Hondo near Roswell on October 1, but did not pass through Two Rivers Project

### CY 2020 Forecast and Actual Operations (April 1<sup>st</sup> Forecast)

- Most probable Rio Hondo forecast: 5,000 ac-ft (75% Avg)
- Actual Rio Hondo Runoff: 6,400 ac-ft (96% Avg)
- No Flood Risk Management Operations to date in 2020



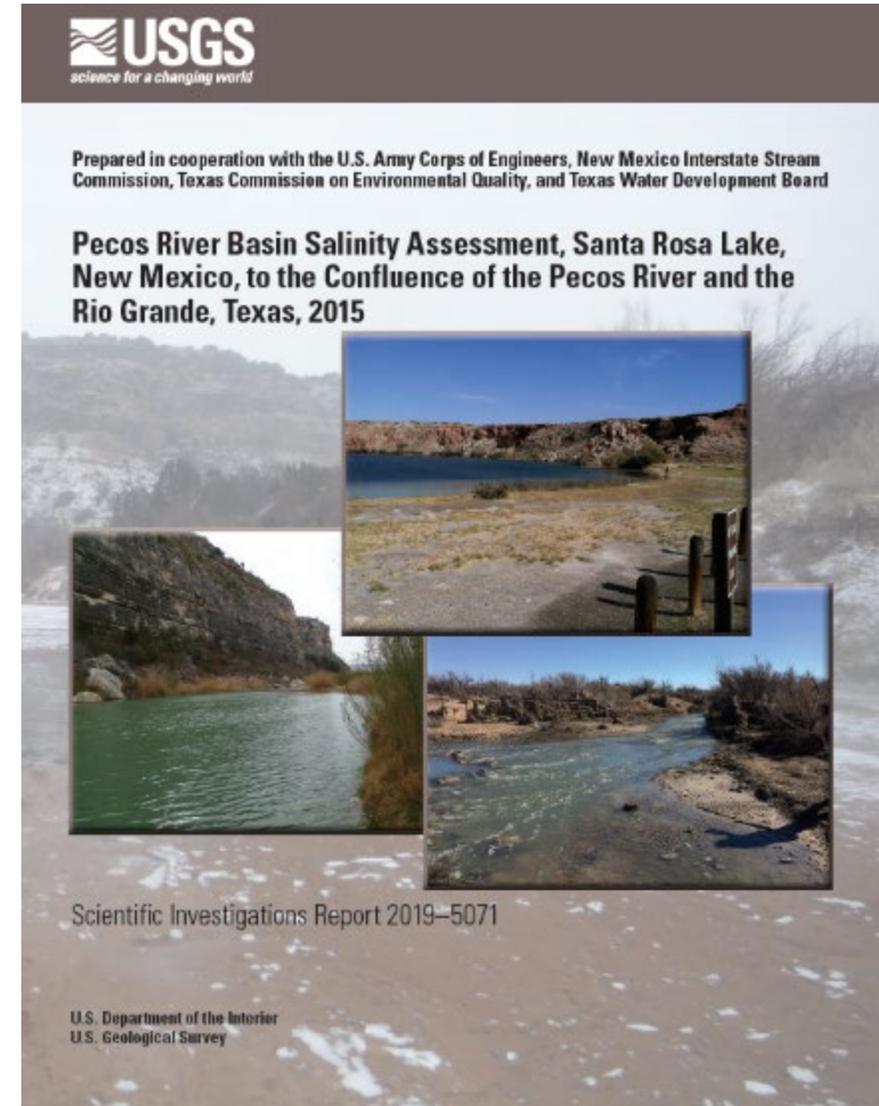


# CIVIL WORKS PROJECTS

## Rio Grande Basin: CO, NM, and TX (Section 729 WRDA of 1986)



- Salinity Management Study for the Pecos River Basin
  - Project Sponsors: NM Interstate Stream Commission, TX Commission on Environmental Quality
  - Documents existing salinity data, develops baseline salinity budget, identifies critical data gaps
  - *Pecos River Basin Salinity Assessment, Santa Rosa Lake, New Mexico, to the Confluence of the Pecos River and the Rio Grande, Texas, 2015 (Scientific Investigations Report 2019-5071)*, available on-line
  - Albuquerque District Letter Report signed August 2020
  - Financial closeout with sponsors in Spring 2021





# RIO GRANDE ENVIRONMENTAL MANAGEMENT PROGRAM: CO, NM, AND TX (SECTION 5056 WRDA OF 2007)



- Anticipating Re-Authorization in WRRDA 2020
- Covers Rio Grande and all tributaries from headwaters to Gulf of Mexico
  - Program for planning, construction and evaluation of fish and wildlife rehabilitation and enhancements
  - Additional provision for assessments of water resources needs within the Rio Grande Basin, including flood damage reduction
  - Long term monitoring plan, computerized data inventory and analysis, applied research and adaptive management program
- Next steps
  - Needs to be funded as New Start program by Congress
- Program planning
  - Program governance





# QUESTIONS?

