



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

Texas Association of Watershed Sponsors (TAWs)

Annual Meeting

May 2026



**Shane Ice, State Conservation
Engineer
NRCS Texas**

FARM PRODUCTION AND CONSERVATION
FSA | NRCS | RMA | Business Center



State Engineering Staff

- Shane Ice – State Conservation Engineer
- Reed Poling – Assistant State Engineer
- QuiNhon Ho – Hydraulic Engineer

- Karen Green – Dam Safety Engineer
- Ronald Gardner – Dam Safety Engineer

- Stacie Rumfield – Administrative Assistant





State Engineering Staff (Planning)

- Rocky Ingram – Resource Conservationist
- Michael Robison – Civil Engineer
- Adam Bentley – Economist
- Christopher Albanesi – Management Analyst

Angela Moody – Archeologist (shared staff with Soils)





State Engineering Staff (Design)

- Daniel Little – State Design Engineer
- Victor Hulsey – Design Engineer
- Shon Owens – Civil Engineer Technician
- Michael Doyle – Soil Conservation Technician
- Nicolas Drummond – Civil Engineer Technician





State Engineering Staff (Construction)

- Joseph Forrest – Project Engineer (Current Acting)
- Sam Drummond – Civil Engineering Technician
- William Buswell – Surveyor/CET
- Construction Inspectors (7)
- Desyria Miller – Administrative Assistant





Key Responsibilities

NRCS (STATE):

- State Conservationist is Responsible Federal Official for content of the plan-environmental document regardless of the level of preparation by NRCS and/ or non-NRCS entities
 - Adherence to State and Federal Requirements
 - Assist Sponsors in preparation of Watershed Plan
 - Implementation (Technical and Financial)
 - Public Participation

SPONSOR:

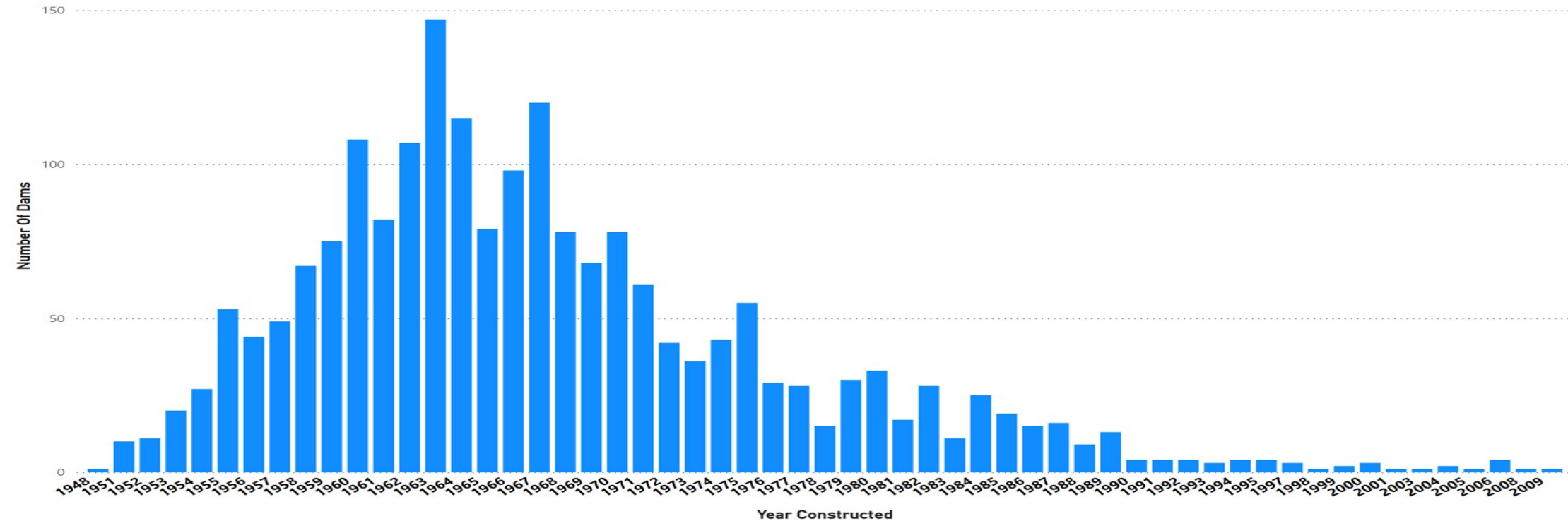
- Land Rights/Assurances(Eminent Domain)
- Permits and Licenses
- Authority to Levy Taxes
- Public Participation
- Financial
- Operation and Maintenance





Overview

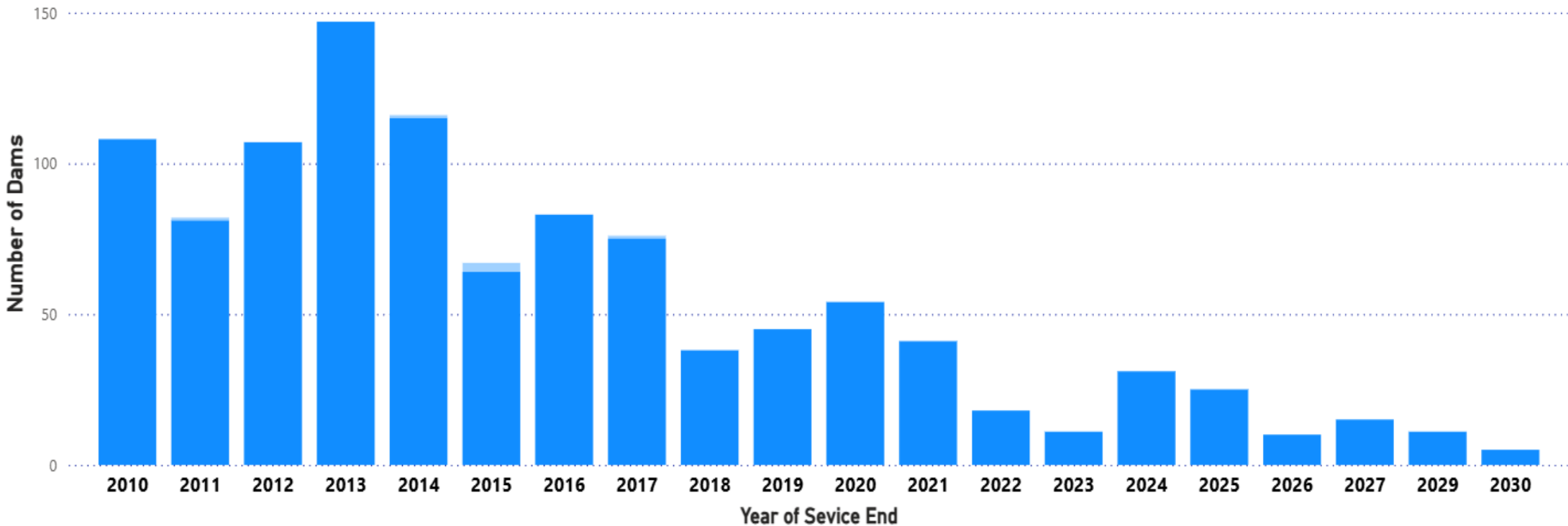
2005 Dams Constructed in 143 Watersheds Since 1948

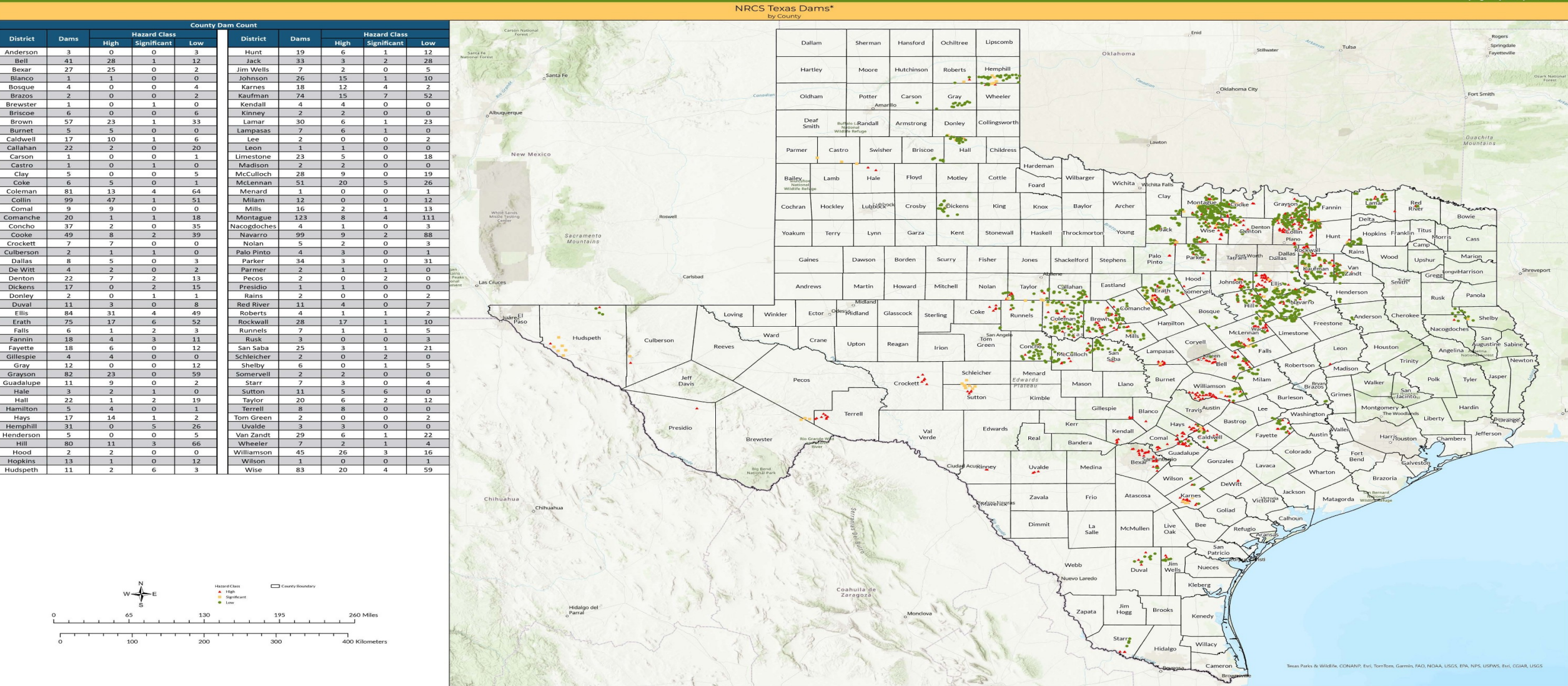




Overview

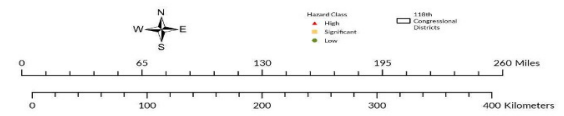
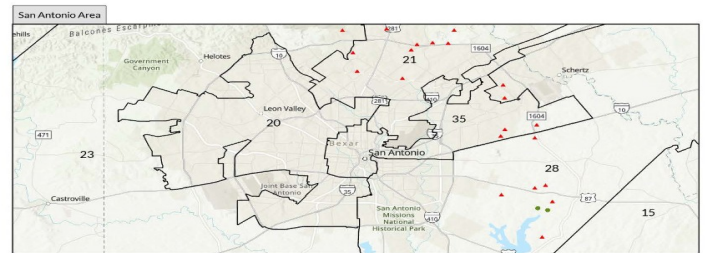
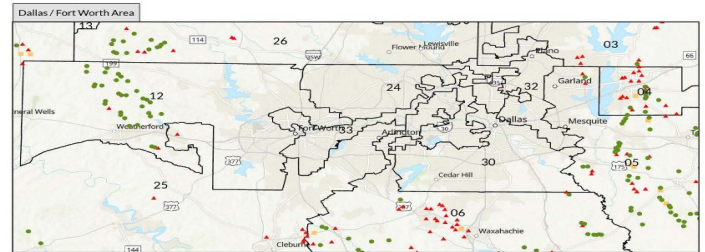
Number of Dams – End of Service Life from 2010 - 2030





NRCS Texas Dams *
by US Congressional Representatives

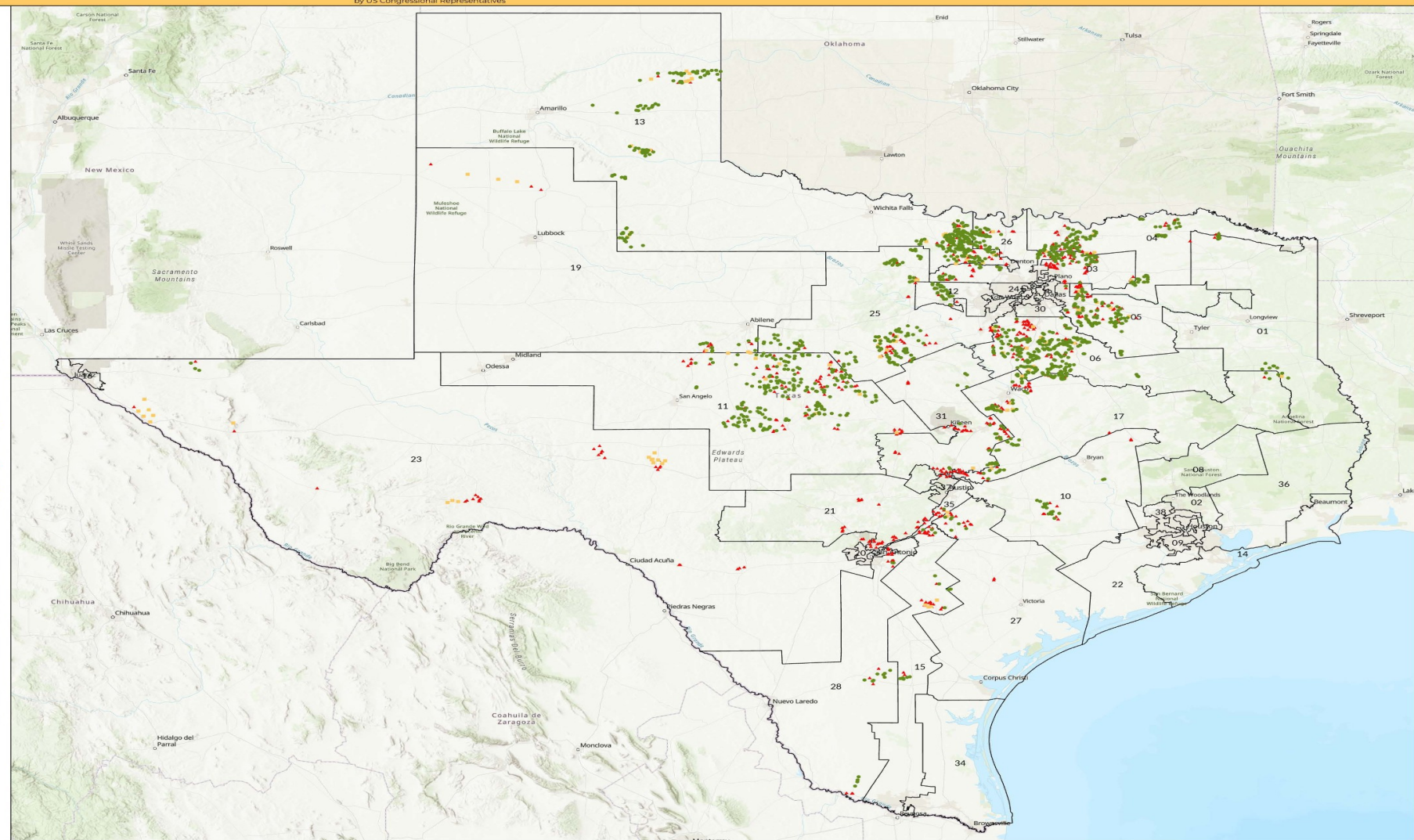
Congressional Districts Dam Count				
District	Dams	Hazard Class		
		High	Significant	Low
1	16	1	1	14
3	105	50	1	54
4	189	56	6	127
5	116	26	8	82
6	286	60	10	216
10	26	10	0	16
11	270	67	9	194
12	33	2	0	31
13	302	28	22	252
15	38	24	4	10
17	115	38	8	69
19	31	11	5	15
21	31	31	0	0
23	54	33	18	3
25	165	37	9	119
26	82	19	2	61
27	21	12	1	8
28	28	14	0	14
30	1	1	0	0
31	76	47	3	26
35	16	13	1	2
37	1	1	0	0



This map was created by the USDA-
Natural Resources Conservation Service
State Soils Section
101 South Main Street
Temple, TX 76701

Version Date: September 6, 2024
Coordinate System: WGS 1984
Map ID: CE2024090401SD03.01

USDA is an equal opportunity provider, employer, and lender.
* 2,002 dams are included in this document.
This is for reference only and may have location errors for the dams.
Not for public distribution.





NRCS Overview of High Hazard Dams

- **Total**

- Dams: 2,004
- High Hazard: 594
- High Hazard not originally classified as such: 484

- **Zone 1**

- Dams: 108
- High Hazard: 8
- High Hazard not originally classified as such: 7

- **Zone 5**

- Dams: 1441
- High Hazard: 397
- High Hazard not originally classified as such: 348

- **Zone 4**

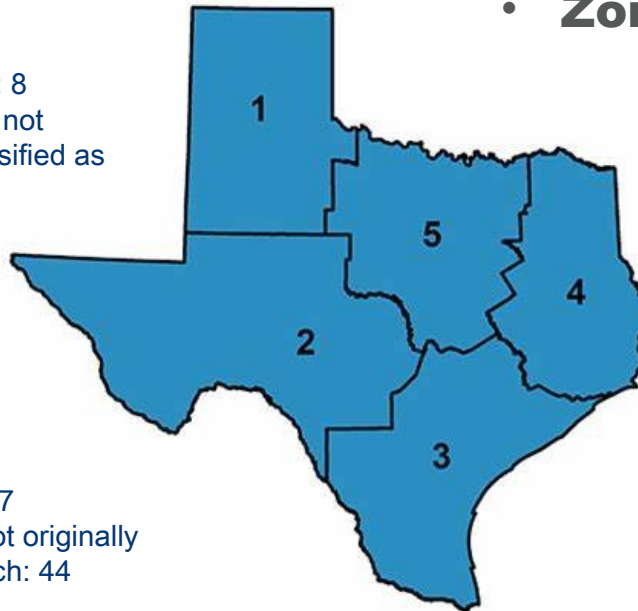
- Dams: 110
- High Hazard: 23
- High Hazard not originally classified as such: 16

- **Zone 2**

- Dams: 190
- High Hazard: 67
- High Hazard not originally classified as such: 44

- **Zone 3**

- Dams: 149
- High Hazard: 98
- High Hazard not originally classified as such: 68





High Hazard Classification

<u>NRCS</u>	<u>TCEQ</u>
HIGH HAZARD Dams where failure may cause: -loss of life -serious damage to: -homes -industrial buildings -commercial buildings -important public utilities -main highways -main railroads	HIGH HAZARD Dams where failure has: -loss of life expected (7 or more lives) (3 or more habitable structures) (in the breach inundation area downstream of dam) or -excessive economic loss expected -located primarily in or near urban areas where failure would be expected to cause extensive damage to: -public facilities -agricultural, industrial or commercial facilities -public utilities, including the design purpose of the utility -main highways, see def. def. - Roads classified as a <u>rural arterial system</u> by TxDOT, including interstate highways, US highways and state highways. -railroads used as a major transportation system





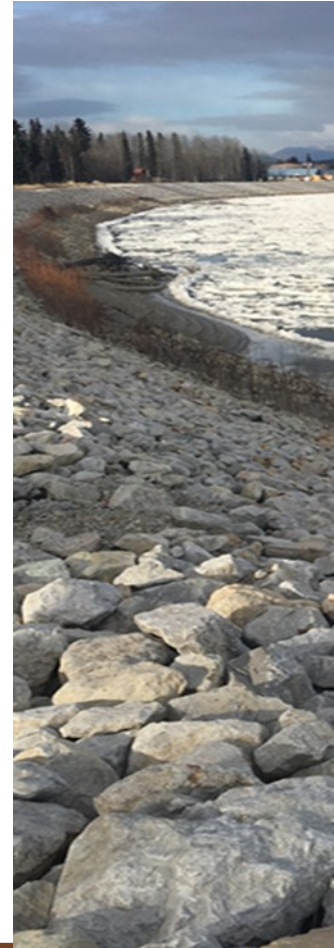
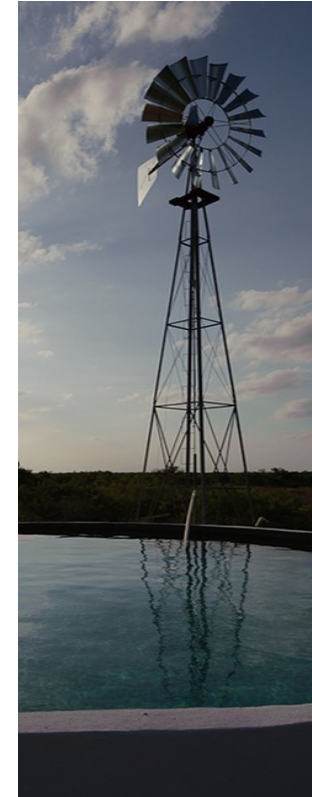
Watershed - Projects

EWP

- 5 Active Project Codes
 - 44 DSR's values at \$72,802,704.00
- 31 Sponsors in 27 Counties (Texas Zone 2, Zone 03, Zone 04 And Zone 5)

WS - Operations

- 2 Remedial Repair Projects pending construction
- 11 Pending funding requests (Eng Investigation Completed)
 - 6 Waitlisted for funding
- 1 Pending CED Concurrence
- 2 PIFR (Preliminary Investigative Findings Report)
- 2 Remedial Repair Projects
 - Denton County (Hickory Creek Watershed)

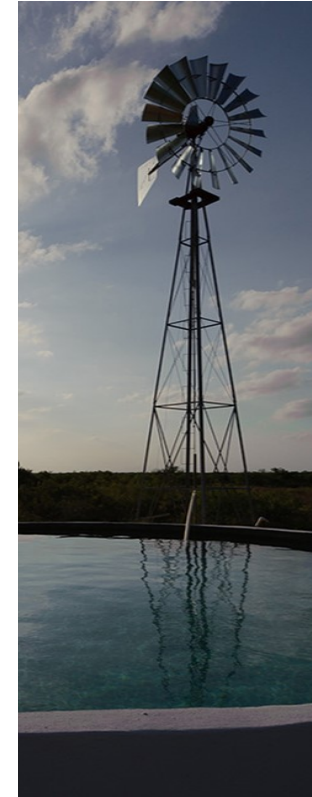




Watershed - Projects

WS – Rehabilitation

- 4 Planning Projects
Hays and Starr Counties
- 6 Design Projects
Coke, Comal, Ellis, and Gillispie Counties
- 5 Construction Projects
Caldwell, Ellis, Hale, Hays, and Kaufman Counties

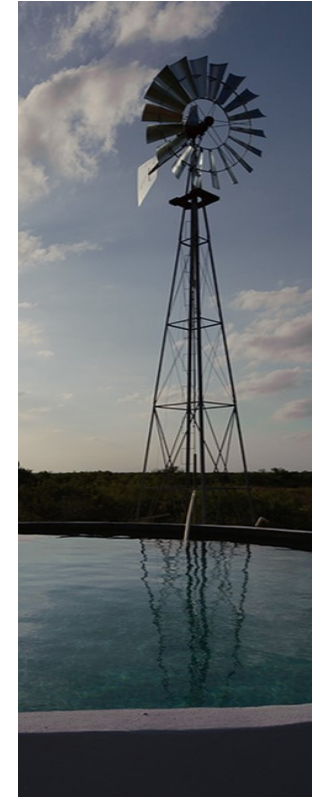




Watershed - Funding

WS – Rehabilitation Funding Request – 10 Yrs \$ 151.1 M

<u>2015</u>	Total- \$ 10,851,050
• <u>2016</u>	Total- \$ 5,249,600
• <u>2017</u>	Total- \$ 4,548,700
• <u>2018</u>	Total- \$ 22,454,900
• <u>2019</u>	Total- \$ 19,432,232
• <u>2020</u>	Total- \$ 3,727,000
• <u>2021</u>	Total- \$ 8,860,894
• <u>2022</u>	Total- \$ 23,117,111
• <u>2023</u>	Total- \$ 12,142,736
• 2024	Total- \$ 10,917,301
• 2025	Total - \$7,560,227
•	





Watershed – Rehab Program

•Estimated Cost of Rehabilitation Phases

- Planning \$450,000
- Design \$900,000
- Construction \$15M - \$20M

•National Funds Needed to move current projects through the phases (Waitlisted Funds Requested)

- 139 Planning projects in have not yet been funded for estimated \$ 87,835,326.
- 80 Design projects in have not yet been funded for estimated \$ 50,063,722.
- 35 Construction projects in have not yet been funded for estimated \$ 112,383,713.





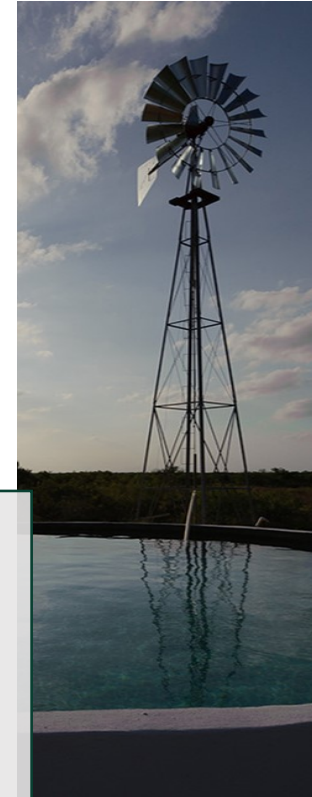
Watershed - Funding

Discretionary Funding

- Annual appropriation from Congress. Can be Annual Funding or No Year funding. (WSRP, SWRP)

Mandatory Funding

- Farm Bill funding - \$150 million to be shared between WSOP and REHAB (WPFP annual funding)





Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

Questions?

USDA is an equal opportunity provider, employer and lender.

FARM PRODUCTION AND CONSERVATION
FSA | NRCS | RMA | Business Center