

Water Resources Council (WRC)

July 12, 2023



North Central Texas Council of Governments
Environment
& Development

www.nctcog.org/WaterResources

Water Resources Council

July 12, 2023

1. Welcome and Introductions

- WRC attendance by roll call
- Welcome guests
- Thank you all for attending!

Presentation

2. Wastewater Systems Regionalization - What You Need to Know

Alfonso Martinez, Environmental Permit Specialist V

Municipal Permits Team, Texas Commission on Environmental
Quality



Wastewater Systems Regionalization – What You Need to Know

- **J. Alfonso Martinez III – Municipal Permits Team**

Introduction

- Owners and operators of wastewater systems face an ever-increasing demand on their resources to stay in compliance with federal and state regulations.
- Regionalization promotes an affordable, long-term solution to wastewater management by consolidating wastewater collection, treatment, and disposal into larger service providers for areas or regions.
- Regionalization involves consolidation of wastewater systems when a public or private entity provides wastewater service by means of physically connecting new systems to existing ones.
- The TCEQ strongly encourages owners or operators of proposed new domestic wastewater systems to be proactive by giving serious consideration to joining or connecting to a sound neighboring system.

Statutory and Regulatory Authority for Regionalization

- Texas Water Code (TWC) Section 15.001(13) defines Regionalization as the “development of a water supply or wastewater collection and treatment system that incorporates multiple service areas into an areawide service facility or any such system that serves an area that includes more than a single county, city, special district, or other political subdivision of the state.”
- TWC Sections 26.081 through 26.087 provides Texas’ regionalization policy for wastewater treatment. It states that TCEQ is to implement a policy to “encourage and promote the development and use of regional and area-wide waste collection, treatment, and disposal systems to serve the waste disposal needs of the citizens of the state and to prevent pollution and maintain and enhance the quality of the water in the state.”

Statutory and Regulatory Authority for Regionalization (cont.)

- TWC Section 26.0282 authorizes TCEQ, when considering issuing a permit to discharge waste, to deny or alter the terms and conditions of a proposed permit based on need and the availability of existing or proposed area-wide or regional waste collection, treatment, and disposal systems.

Does Regionalization apply to me?

- If you are considering building a new wastewater treatment plant and are applying for a new TPDES permit, Regionalization applies to you.
- Entities regulated by the TCEQ, including owners/operators of proposed new wastewater systems, should consider connecting to an existing permitted domestic wastewater system or demonstrate that doing so is not feasible.
- You must determine if regionalization is possible before submitting a new permit application to TCEQ.

Regionalization Feasibility

- No other wastewater systems are within a 3-mile radius of your proposed system.
- You have requested service from neighboring systems, and your request has been denied.
- You have been granted a Certificate of Convenience and Necessity (CCN) area by the Public Utility Commission.
- You are applying for a TLAP permit in order to obtain a reuse authorization.
- Your evaluation demonstrates regionalization is not feasible compared to the construction, maintenance, and operation of your stand-alone system.

Does Regionalization Apply to Existing WWTPs?

- If you are an applicant who owns or operates an existing WWTP and you are requesting a new permit for the existing WWTP because the previous permit was allowed to expire or you are requesting a major amendment to your existing permit to increase permitted flow, the regionalization policy is not evaluated as part of your permit application process.
- Although permit applications for existing facilities are not evaluated for regionalization, you may still consider whether regionalization is the right option for you.

Roles in Evaluating Regionalization

- Role of the New Wastewater Systems
 - If you plan to build a new WWTP system, an important part of the planning process includes evaluating the possibility of regionalization (i.e., connecting the new or proposed system to an existing system) versus building a stand-alone system.
- Role of the Existing Wastewater Systems
 - Existing WWTPs should have accessible information on how they can be contacted for purposes of seeking connection to their system and must provide prompt responses to requests for service. They should also encourage regionalization by treating all applicants fairly, charging reasonable application fees, and charging cost-based fees for providing wastewater service to those requesting service.
- Role of TCEQ

Where do I Start?

- Perform a search and identify all existing and constructed permitted domestic wastewater treatment facilities or sanitary sewer collection systems within a three-mile radius of your proposed facility.
- You must also identify if any portion of the service area is within another utility's sewer CCN area.

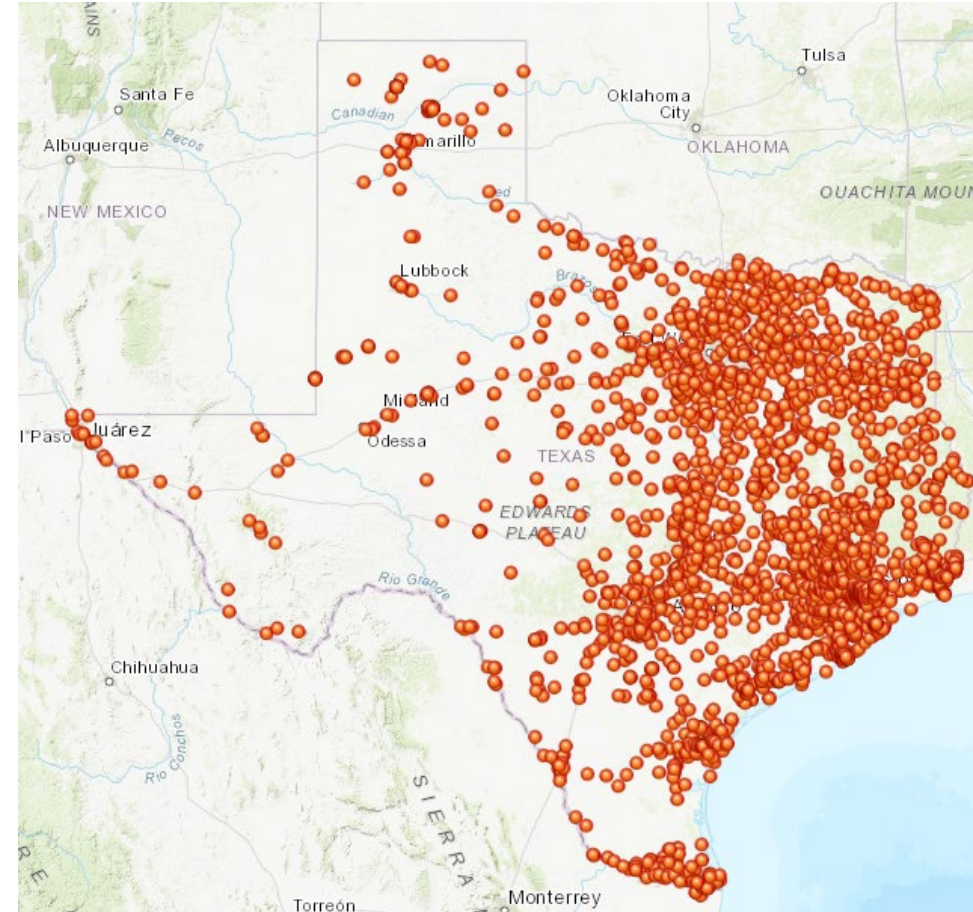
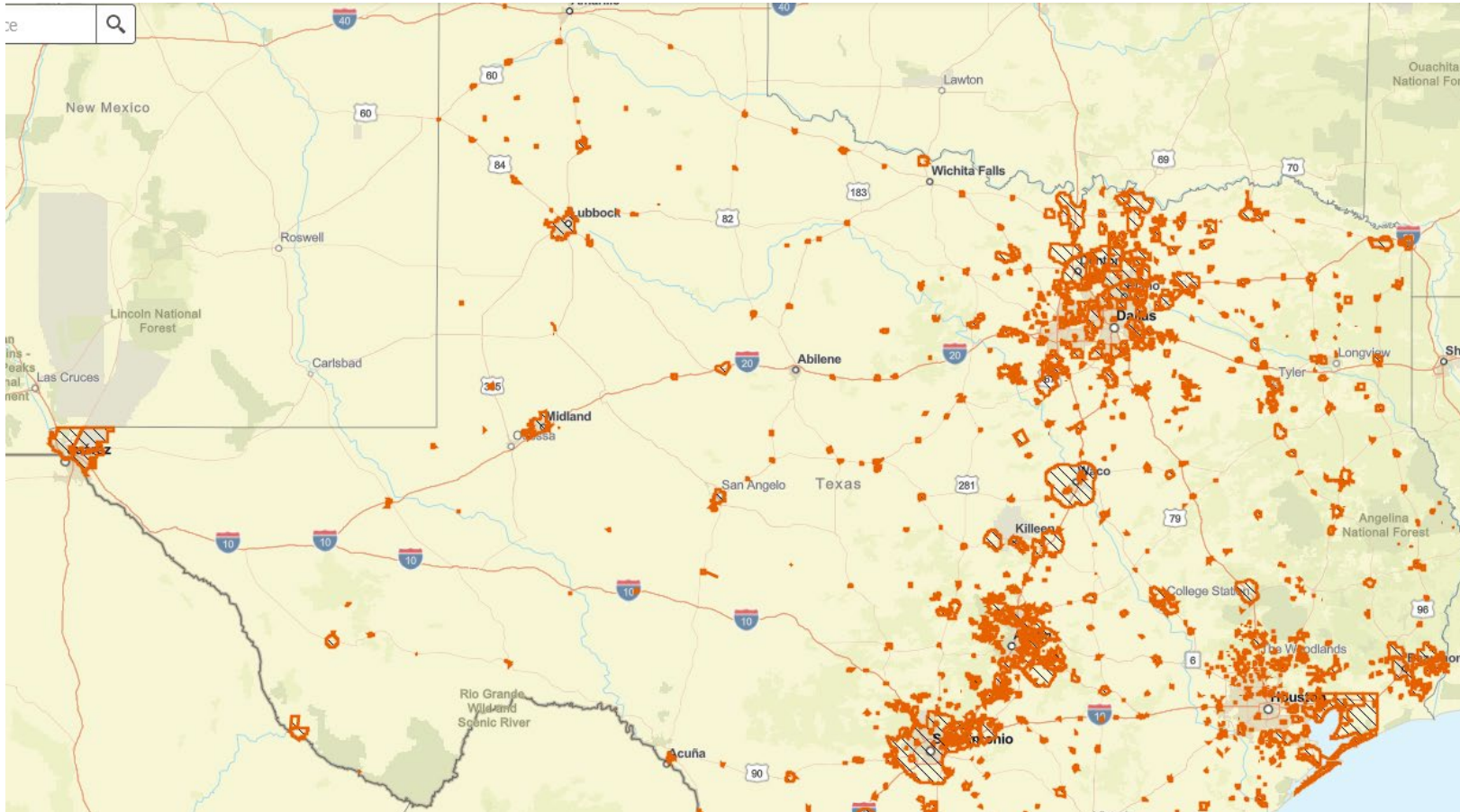


Table 1. Online resources for identifying and locating nearby wastewater systems.

Provided by	Online Resource	Available Information
PUC	CCN Map Viewer	Find the wastewater service provider for a specific address or property.
TCEQ	Wastewater Outfall Map Viewer	Find the outfall locations of nearby wastewater treatment plants. Clicking on an outfall reveals the name of the permittee as well as an abbreviated version of the permit number.
Counties and Cities	Subdivision plats / property information	Access subdivision plat maps. Information available varies by city/county.

CCN Map Viewer

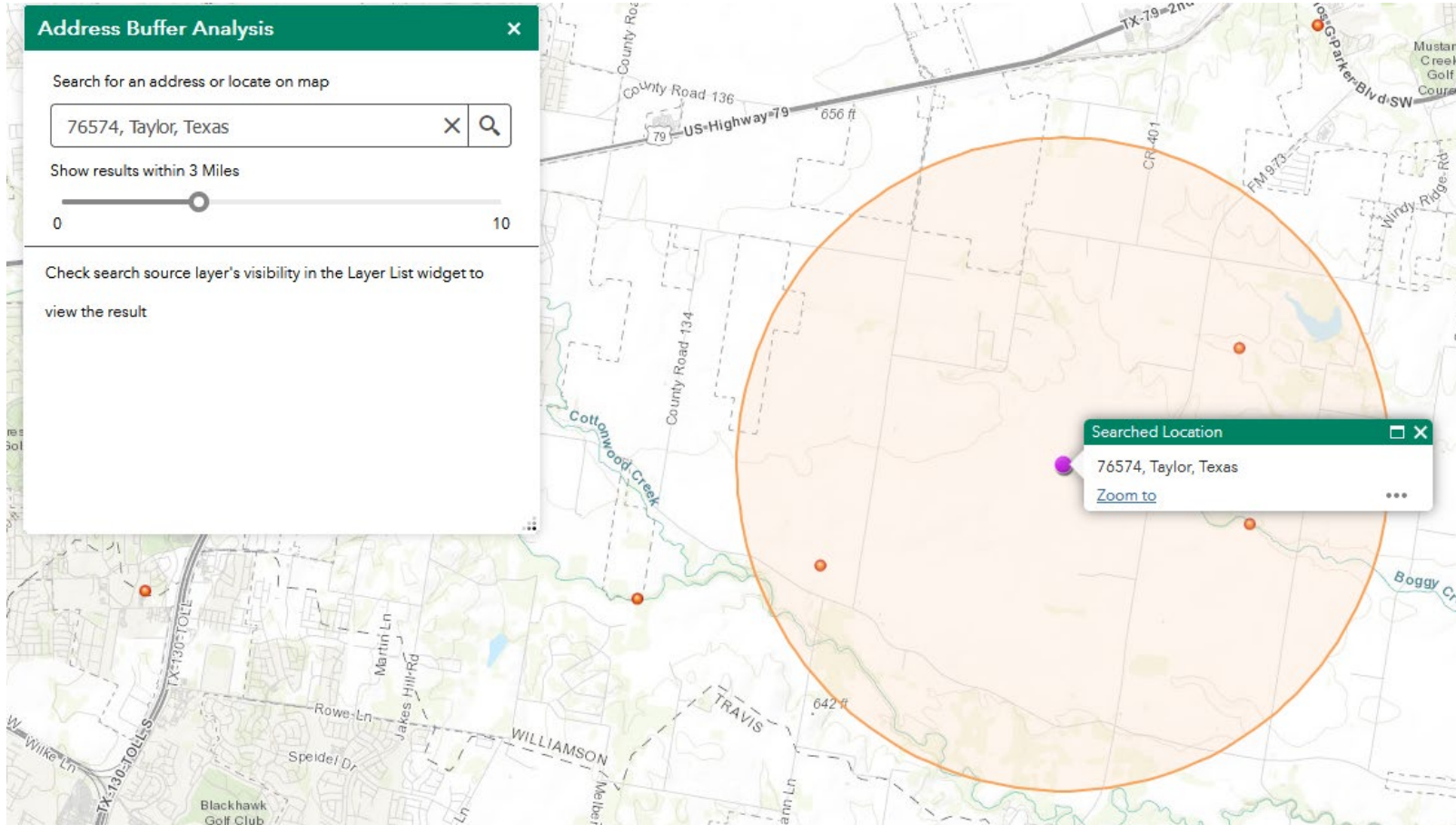


Layer List

Layers

- Water CCN Facility Lines
- Water CCN Service Areas
- Sewer CCN Facility Lines
- Sewer CCN Service Areas
- Counties TxDOT
- House Districts (88th TX Leg.)
- Senate Districts (88th TX Leg.)
- US Congressional Districts (TX)

Wastewater Outfall Map Viewer



Requests for Service

- If your proposed facility is within a three-mile radius of any existing and constructed permitted domestic wastewater system or a portion of your service area is within another utility's sewer CCN area, you must request service from the existing permitted system owner or operator.
- Your request for service must include your proposed facility's capacity, an inquiry for the total cost assessment of connecting to their sewer system and providing sewer services, as well as any additional conditions for receiving service.
- These requests should be mailed via certified mail for effective response documentation.

Requests for Service (cont.)

- If a request for service was approved, you are encouraged to evaluate the financial, technical, and managerial aspects of regionalization.
- Financial:
 - Evaluation of the cost-benefit analysis of regionalization compared to the construction, maintenance, and operation of your stand-alone system.
 - Affordability of rates proposed by a regional or area-wide system compared to the projected rates of your stand-alone system.
 - Other financial factors specific to your case (i.e., projected development schedule, costs of obtaining easements, etc.)

Requests for Service (cont.)

- Technical:
 - Feasibility of connecting with another collection system.
 - Feasibility of obtaining easements (e.g., collection system is across a waterbody, another utility's CCN area must be crossed, etc.)
 - The existing facility's capacity to accommodate the projected increase in flow from your development.
- Managerial:
 - The existing facility's compliance history is in good standing.
 - The operation and maintenance of the existing facility is dependable.

Justification of Permit

- Provide a justification for the proposed flows.
- Provide an anticipated construction start date and operation schedule for each phase being proposed.
- If construction is dependent upon housing or commercial development, provide information from the developer such as the size of the development (number of lots), the date construction on the development is scheduled to begin, and the anticipated growth rate of the development (number of houses per month or year).

Justification of Permit (cont.)

- Attach population estimates or projections used to derive the flow estimates and anticipated growth rates for developments.
- Provide the source and basis upon which population figures were derived (census or other methodology).
- Provide population projections at the end of the design life of the treatment facility and the source and basis upon which population figures were derived.

Questions?

Contact Information:

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512-239-4668

Action Item

3. Meeting Summary

The [April 12, 2023 meeting summary](#) will be presented for approval.

Action Item

4. FY2024 Water Resources Council Membership

The proposed FY2024 WRC roster, recommended by the WRC Nominations Subcommittee, will be presented for approval by the WRC.

Action Item

Recommended FY2024 Reappointments

- **Tiffany Bruce**, Town of Flower Mound
- **Grace Darling**, Arlington Conservation Council
- **Billy George**, North Texas Municipal Water District
- **Joshua Howard**, Johnson County Special Utility District
- **Michael Nieswiadomy**, University of North Texas
- **Larry Patterson**, Upper Trinity Regional Water District
- **Zachary Peoples**, City of Dallas
- **Jerry Pressley**, City of Fort Worth
- **Jeff Price**, City of Mansfield
- **Kelly Rouse**, City of Lewisville
- **Meghna Tare**, University of Texas at Arlington
- **Danielle Tucker**, DEVA Service's

Action Item

Recommended New Members for FY2024

- **Paul Hackleman**, City of Watauga
 - Major Utility Provider, Customer Member-At-Large (City of Fort Worth)
 - To take seat vacated by Greg Dickens, City of Hurst
- **Eduardo Valerio**, City of Dallas
 - Major Utility Provider, Customer Member-At-Large (City of Dallas)
 - To take seat vacated by Terry Lowery, City of Dallas
 - Nomination not reviewed by Nominations Subcommittee - more info at meeting

Action Item

Recommended New Members for FY2024

➤ **Tim Abbott**, City of Plano

- Utility Provider, Development Community, or Industry Representative Region-At-Large
- Pumping Facilities Superintendent

➤ **Bill Gase**, City of Arlington

- Utility Provider, Development Community, or Industry Representative Region-At-Large
- Assistant Director - Water Treatment

Action Item

Recommended New Members for FY2024

- **Michael Kivlan**, Texas Water Utilities
 - Utility Provider, Development Community, or Industry Representative Region-At-Large
 - Area Manager
- **Valerie Miller**, Olsson
 - Utility Provider, Development Community, or Industry Representative Region-At-Large
 - Water Industry Expert

Action Item

- Questions on FY2024 Roster?
- Vote on WRC FY24 Roster

Action Item

Chair and Vice-Chair Appointments for FY23

- FY23 Chair: **Glenn Clingenpeel**
Trinity River Authority
- FY23 Vice-Chair: **Stacy Walters**
City of Fort Worth

Action Item

Chair and Vice-Chair Nominations for FY24

- Chair: **Stacy Walters**
City of Fort Worth
- Vice-Chair: **Rachel Ickert**
Tarrant Regional Water District
- Nominations from Floor
- Vote on Leadership

Action Items

4. Approval of the Draft 2023 Update to the North Central Texas Water Quality Management Plan (Draft 2023 WQMP)

NCTCOG will provide an overview of the Draft 2023 WQMP and public comments received.

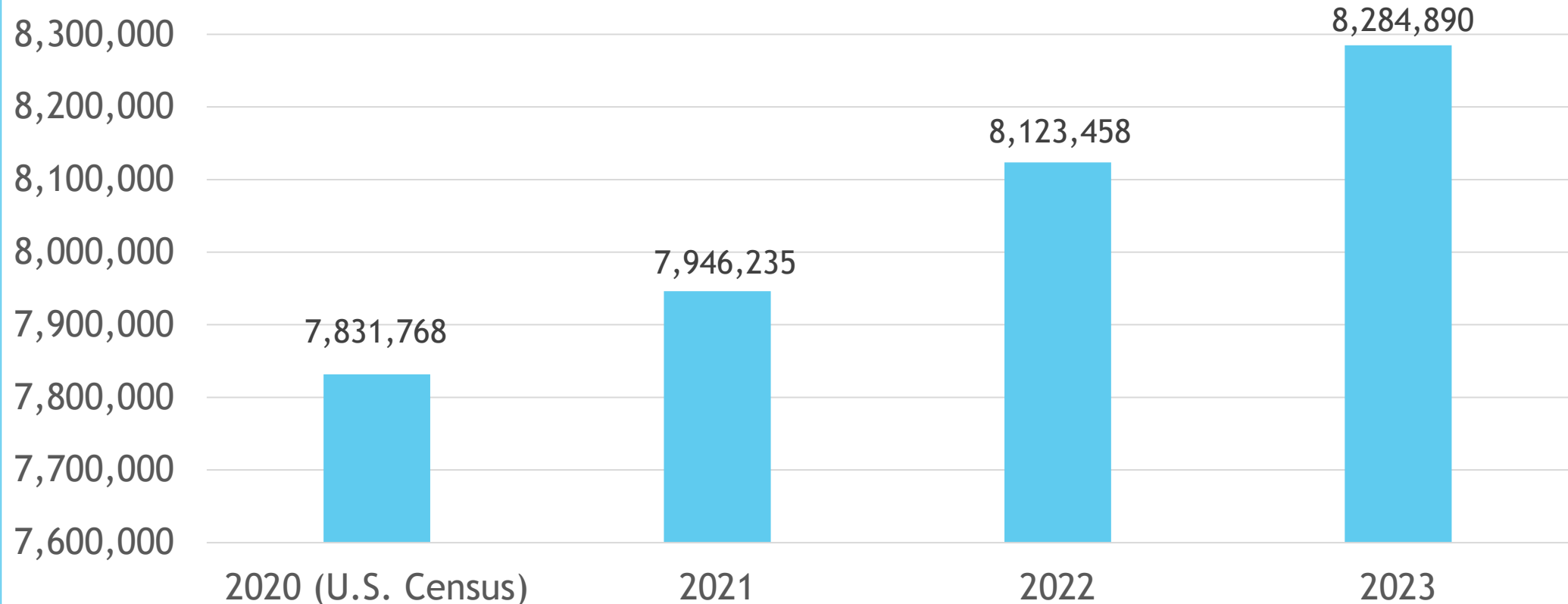
[Link to Draft 2023 WQMP](#)

Action Item - Draft 2023 WQMP

- Uses updated version of ArcGIS, so format looks a little different (menu of sections runs across the top of screen)
- To be included on NCTCOG's website with other mapping products
- All mapping data updated with data from TCEQ's 2022 Texas Integrated Report
- Continuing to add locations of on-site sewage facilities
- Permitted TPDES wastewater outfall locations mapped with TCEQ data

2023 Population Estimates

Population Estimates for the 16-County NCTCOG Region, 2020-2023.
Source: NCTCOG RIS Department, May 2023



Source: <https://data-nctcogis.opendata.arcgis.com/search?tags=Demographics>
NCTCOG RIS Department, May 2023.

2023 Ten Largest Cities in 16-County NCTCOG Region

City	2023 Population
Dallas	1,326,278
Fort Worth	974,846
Arlington	405,420
Plano	292,066
Irving	263,720
Garland	248,822
Frisco	225,072
McKinney	209,626
Grand Prairie	204,973
Mesquite	154,043

2023 Population Estimates

Top 10 Cities Experiencing the Largest Percent Population Change in the NCTCOG Region, 2022-2023

City	2022 Population Estimate	2023 Population Estimate	Percent Population Growth (2022-2023)
Celina	25,241	35,028	38.8%
Haslet	2,732	3,579	31.0%
Caddo Mills	3,027	3,923	29.6%
Lavon	5,706	7,198	26.1%
Princeton	21,762	26,914	23.7%
Argyle	4,777	5,747	20.3%
Northlake	8,785	10,430	18.7%
Anna	20,975	23,960	14.2%
Springtown	3,310	3,781	14.2%
Mabank	4,140	4,720	14.0%

Source: <https://data-nctcoggis.opendata.arcgis.com/search?tags=Demographics>
NCTCOG RIS Department, May 2021.

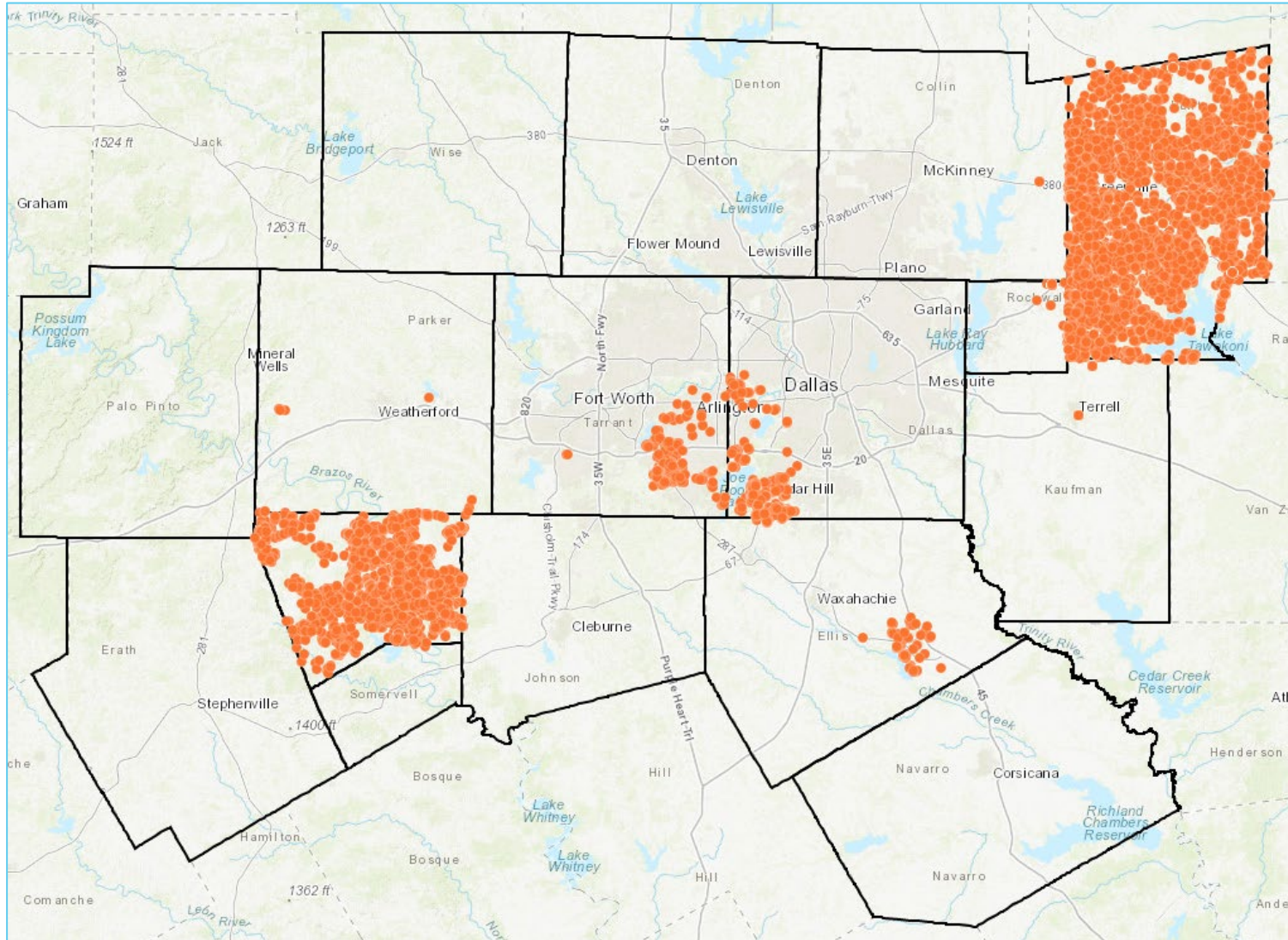
2023 Population Estimates

Top 10 Cities Experiencing the Highest Absolute Growth in the NCTCOG Region, 2022-2023.

City	2022 Population Estimate	2023 Population	Absolute Population Growth (2022-2023)
Fort Worth	955,903	974,846	18,943
Celina	25,241	35,028	9,787
Frisco	217,470	225,072	7,602
Arlington	399,559	405,420	5,861
Mansfield	77,040	82,285	5,245
Grand Prairie	199,779	204,973	5,194
Princeton	21,762	26,914	5,152
Dallas	1,321,737	1,326,278	4,541
Prosper	35,415	38,840	3,425
Little Elm	51,635	54,856	3,221

Source: <https://data-nctcoggis.opendata.arcgis.com/search?tags=Demographics>
NCTCOG RIS Department, May 2021.

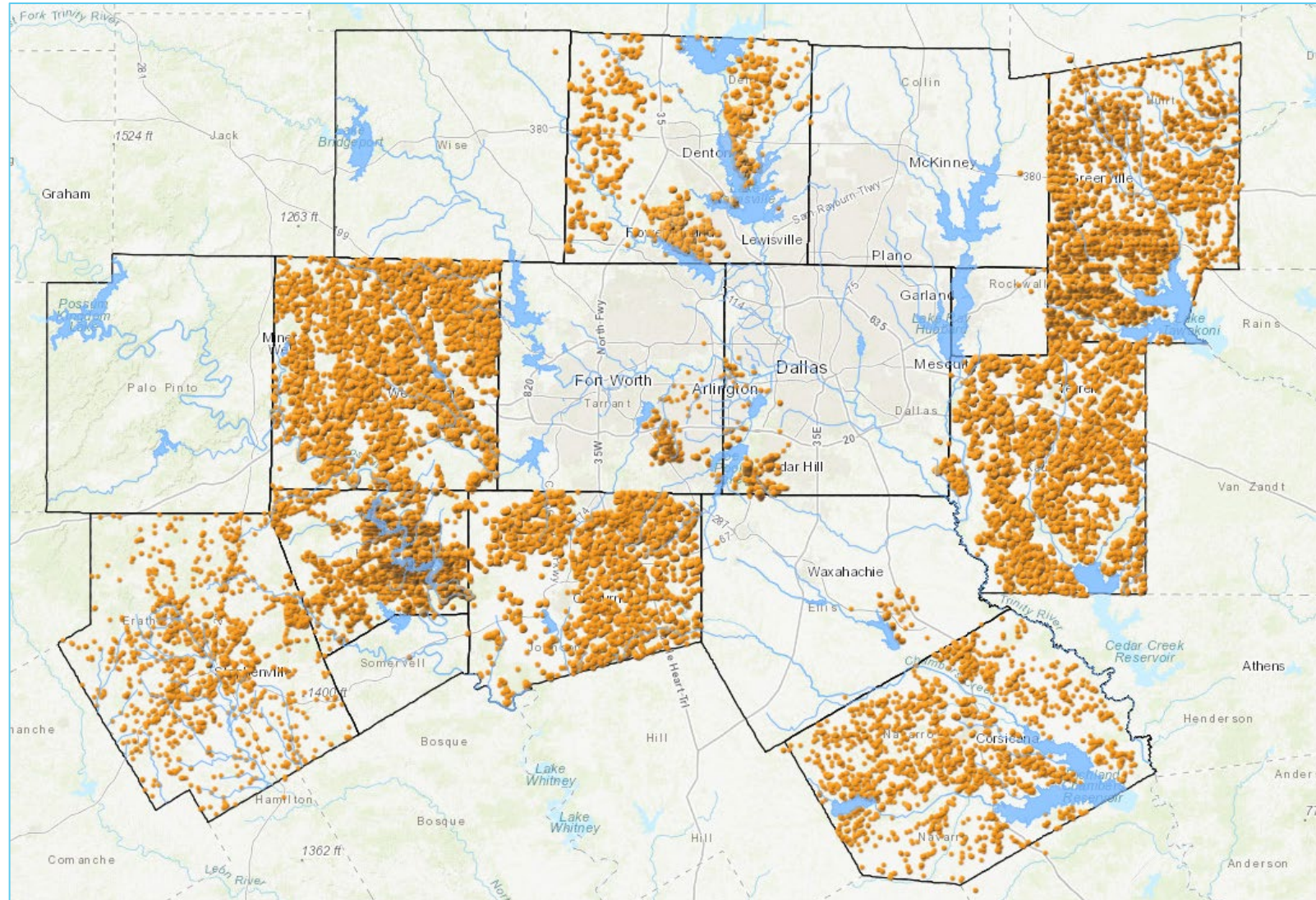
On-Site Sewage Facilities - 2021 WQMP



OSSF locations:

- Hood County
- Hunt County
- City of Arlington
- City of Cedar Hill
- City of Ennis
- City of Grand Prairie
- City of Millsap

On-Site Sewage Facilities - 2023 WQMP



- OSSF locations:**
- Denton County (unincorporated areas and some communities)
 - Erath County
 - Hood County
 - Hunt County
 - Johnson County
 - Kaufman County
 - Navarro County
 - Parker County
 - City of Arlington
 - City of Cedar Hill
 - City of Ennis
 - City of Grand Prairie
 - City of Millsap

Action Items

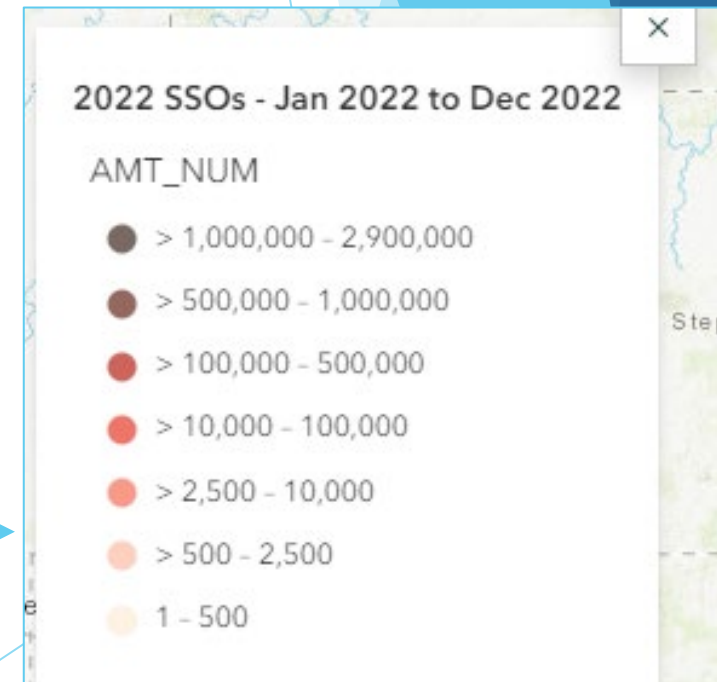
5. Approval of the Draft 2023 WQMP Update

Comments from one entity:

➤ **Trinity River Authority** -

- Fix some acronyms and general edits to phrasing,
- Remove “proposed” from Bois d’Arc Lake description,
- Add text for Bois d’Arc Lake stating that it will open for recreational use once water levels increase, and
- Add units on SSO map’s legend and darken color scale (see legend on right)

[Link to Draft 2023 WQMP](#)



Discussion

6. 88th Texas Legislative Session

Bill Number	Author	Topic	Status
HB 1845	Metcalf	Relating to the licensing requirements for certain operators of wastewater systems and public water systems.	Signed by Governor (5/23/2023) Effective 9/1/2023
SB 28	Perry	Relating to financial assistance provided and programs administered by the Texas Water Development Board.	Signed by Governor (6/9/23)

Discussion

6. 88th Texas Legislative Session

Bill Number	Author	Topic	Status
SJR 75	Perry	Proposing a constitutional amendment creating the Texas water fund to assist in financing water projects in this state. To go to voters at an election to be held on November 7, 2023. Not less than 25 percent is to be used only for transfer to the New Water Supply for Texas Fund, which was created under SB28.	Signed in House; Signed in Senate. Filed with Secretary of State on 5/30/23.
SB 1047	Perry	Relating to funding and activities of the Texas Produced Water Consortium.	Signed by Governor (5/13/2023). Effective immediately.

Other Business and Roundtable Discussion

7. NCTCOG Updates

a. Wastewater and Treatment Education Roundtable (WATER)

➤ Next WATER meeting:

Thursday, July 20, 2023

10:00 a.m. In-Person at NCTCOG.

[Add to Calendar](#)

Other Business and Roundtable Discussion



7. NCTCOG Updates (con't)

b. Total Maximum Daily Load Meeting and Updates

- Now Available! [2022 TMDL Annual Program Summary](#)
- Joint TMDL Stormwater & Wastewater Technical Subcommittee Meeting:
Tuesday, August 1, 2023, at 9:30 a.m. Virtual. [Add to Calendar](#)
- TMDL Monitoring Coordination Forum Subcommittee Meeting:
Thursday, September 21, 2023, at 9:30 a.m. Virtual. [Add to Calendar](#)
- Staff contact: Hannah Allen, hallen@nctcog.org.

Other Business and Roundtable Discussion

7. NCTCOG Updates (con't)

c. Upper Trinity River Basin Coordinating Committee

➤ Next Meeting:

Tuesday, August 22, 2023

9:30 a.m. In-Person at NCTCOG.

[Add to Calendar](#)

Other Business and Roundtable Discussion

6. NCTCOG Updates (con't)

d. Trinity River National Water Trail Task Force

➤ Next Meeting:

Friday, August 25, 2023

1:00 p.m. In-Person at NCTCOG.

[Add to Calendar](#)

Other Business and Roundtable Discussion

7. NCTCOG Updates (con't)

e. Public Works Roundup

- Friday, September 29, 2023

Grapevine Convention Center

- Registration will open soon!
- If you are interested in presenting, please email a brief abstract to Eblackman@nctcog.org by July 14.



Other Business and Roundtable Discussion

8. Future Agenda Items

The WRC can request future agenda items.

9. Roundtable

The WRC is invited to share what is happening in their communities.

Other Business and Roundtable Discussion

10. Next Meeting

Wednesday, October 11, 2023 - [Add to Calendar](#) (virtual)

10:30 a.m. - 12:30 p.m.

11. Adjournment

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