


North Central Texas
Council of Governments


NCTCOG Flooding, Stormwater, and Water Quality Programs

Transportation and Stormwater Infrastructure Stakeholder Meetings
April-May 2023

NCTCOG Flooding, Stormwater, & Water Quality Webinar

Join NCTCOG to learn about our strategic initiatives that address flood risks and water quality challenges due to rapid growth and urbanization!

 **Watershed Management:** Reduce flooding, exceed state water quality standards, and link greenways.

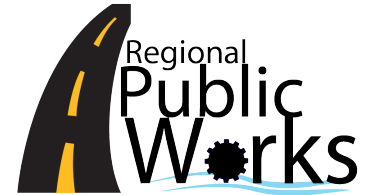
 **Natural Resources:** Preservation, conservation, restoration, and efficient use of natural resources.

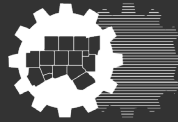
 **Public Works:** Standardization of practices for public streets, water, sewer, and stormwater.

Date: Wednesday, June 21

Time: 1:00 PM – 2:30 PM

Add to Calendar: <https://evt.to/aodaoumdw>





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Trinity River COMMON VISION and Corridor Development Certificate Program





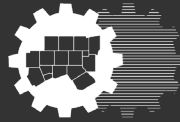
1989 interlocal agreement included 10 cities and 4 counties

1990 feasibility study on cumulative impacts of development

1990 Flood Management Task Force – meets quarterly

37% of active flood storage in region's Trinity River corridor located in Corridor Development Certificate regulatory area

> 200 projects reviewed by regulatory process that allows floodplain development that does not raise flood water levels or reduce flood storage capacity



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Community Rating System Users Group

FEMA voluntary incentive program

Communities adopt practices that exceed the minimum requirements of the National Flood Insurance Program

Property owners receive discounts on flood insurance

North Central Texas group meets quarterly

Rate Class	Discount for SFHA*	Discount for Non-SFHA**	Credit Points Required
1	45%	10%	4,500 +
2	40%	10%	4,000–4,499
3	35%	10%	3,500–3,999
4	30%	10%	3,500–3,499
5	25%	10%	3,000–2,999
6	20%	10%	2,500–2,499
7	15%	5%	1,500–1,999
8	10%	5%	1,000–1,499
9	5%	5%	500–999
10	0	0	0–499

* Special Flood Hazard Area

** Preferred Risk Policies are available only in B, C, and X Zones for properties that are shown to have a minimal risk of flood damage. The Preferred Risk Policy does not receive premium rate credits under the CRS because it already has a lower premium than other policies. Although they are in SFHAs, Zones AR and A99 are limited to a 5% discount. Premium reductions are subject to change.

NCTCOG North Texas CHARM Workshops

A horizontal bar at the bottom of the slide, divided into three segments of different shades of green: dark green, medium green, and light green.



Community Health And Resource Management



GIS-based, interactive scenario planning tool

CHARM Workshops

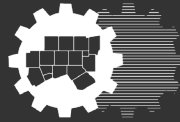
Foster meaningful conversations among stakeholders

Paint changes onto a map of your city and watch results in real time

Developed by Texas A&M AgriLife Extension Texas Community Watershed Partners program through FEMA funding

Scenarios

- Population Growth
- Flood Mitigation
- Emergency Resiliency
- Social Vulnerability
- Housing Equity
- Access to Green Space
- Community-Specific Goal

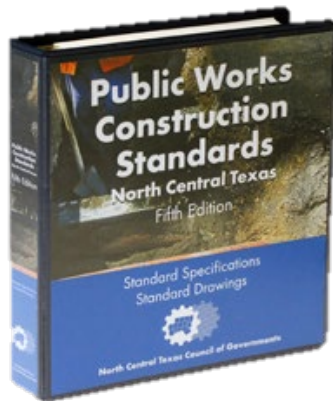


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Regional Public Works Program



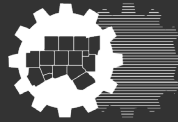
integrated Stormwater Management program provides guidance and technical support for communities to adopt practices to protect water quality and streambanks and to mitigate flooding



Public Works Construction Standards provide specifications and standard drawings for infrastructure, including stormwater drainage

Sustainable Public Rights of Way efforts promote best practices to improve air and water quality, improve infrastructure life cycle and performance, promote economic development, promote integration of rights of way and surrounding land use





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TXShare OneRain Regional Flood Warning Software Program

Provides hydrologic and flood warning software from Contrail

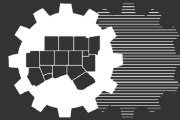
Communities can set pre-defined alerts

Visualize gauge readings to better prepare for storms

Allows any community to join regardless of system size

Flexible tiers including ancillary services





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Regional Stormwater Management Program

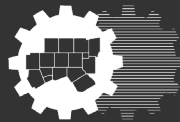


Regional Stormwater Management Coordinating Council guides regional approach to stormwater management including assisting with Stormwater Management Plans and providing educational resources

Public Education Task Force promotes municipal stormwater public education programs including Doo the Right Thing, Texas SmartScape, North Texas Community Cleanup Challenge, and Yard Waste

Pollution prevention (P2) resources help communities prevent or reduce pollutant runoff from municipal operations, remove floatables and other pollutants discharged from storm sewers, and develop procedures for proper disposal of wastes





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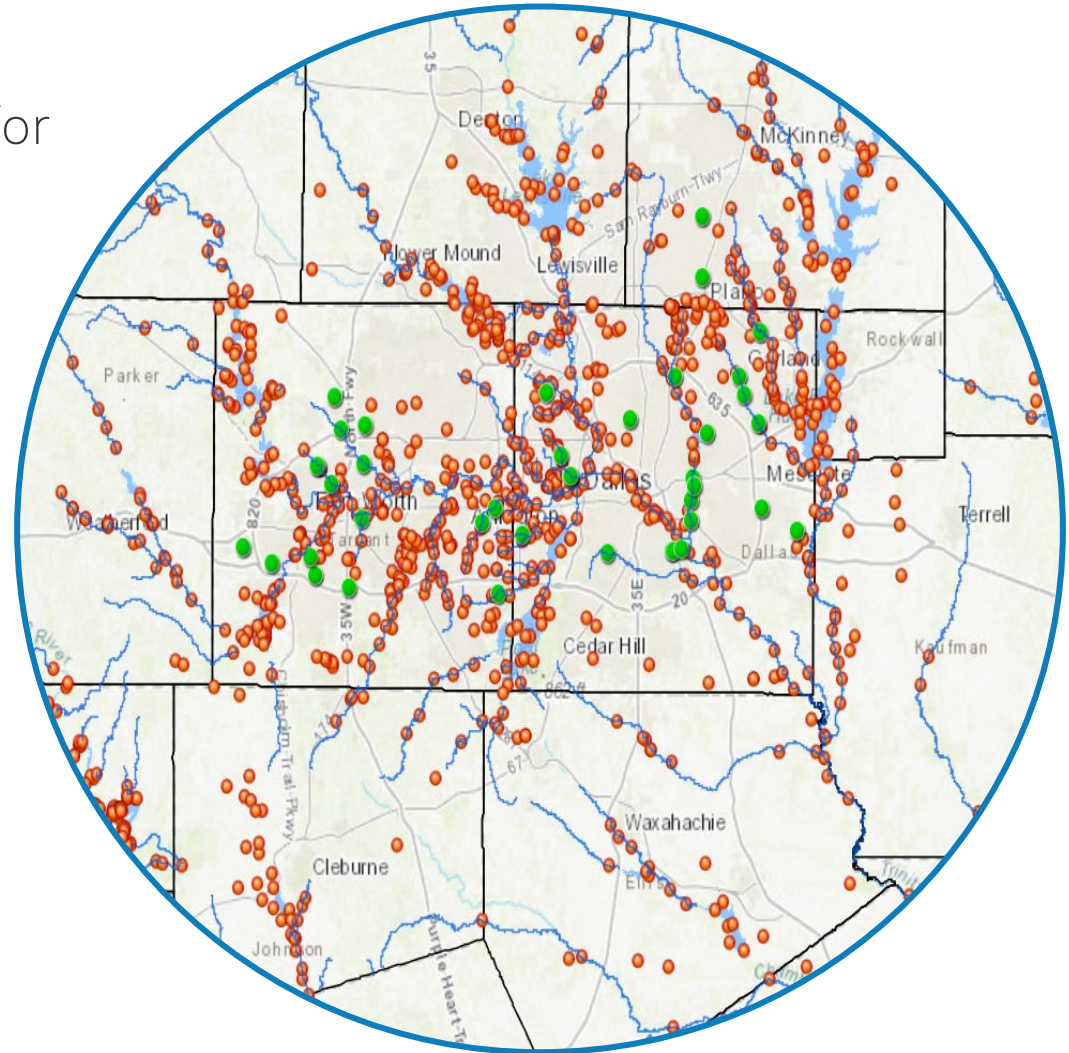
Water Quality Management Program

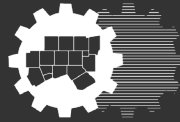
NCTCOG is the regional water quality planning agency for North Central Texas

Water Resources Council is a regional forum for water resource issues

Together they produce the region's **Water Quality Management Plan**:

- Identifies effective water quality programs
- Identifies issues that impact water quality, wastewater treatment strategies, and water supply
- Provides updated data
- Maps permitted on-site sewage facilities (septic systems)





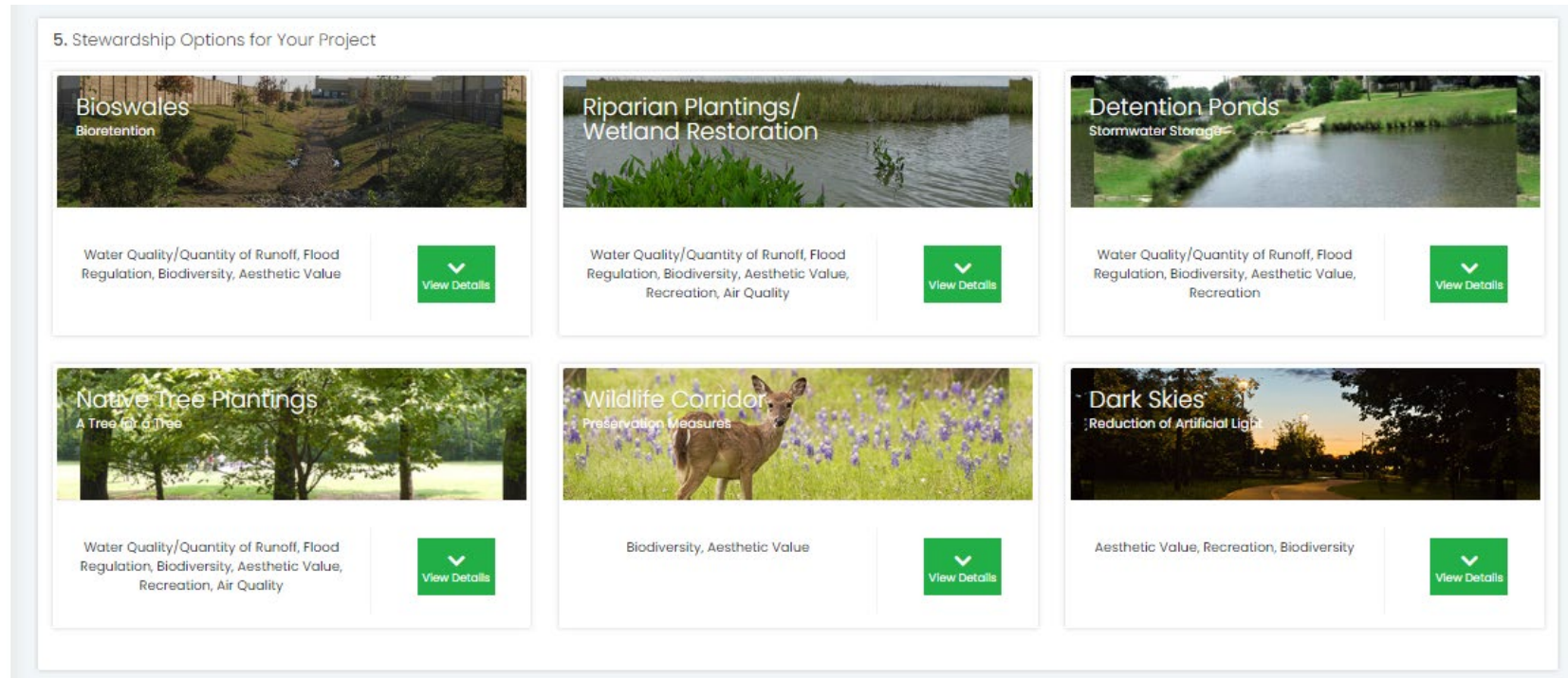
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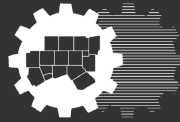
Economic & Environmental Benefits of Stewardship Tool (EEBS)



The tool identifies:

- Environmental effects of new transportation or development projects
- Appropriate stewardship activities to reduce these effects
- Environmental and economic benefits of implementing stewardship activities
- eebs.nctcog.org





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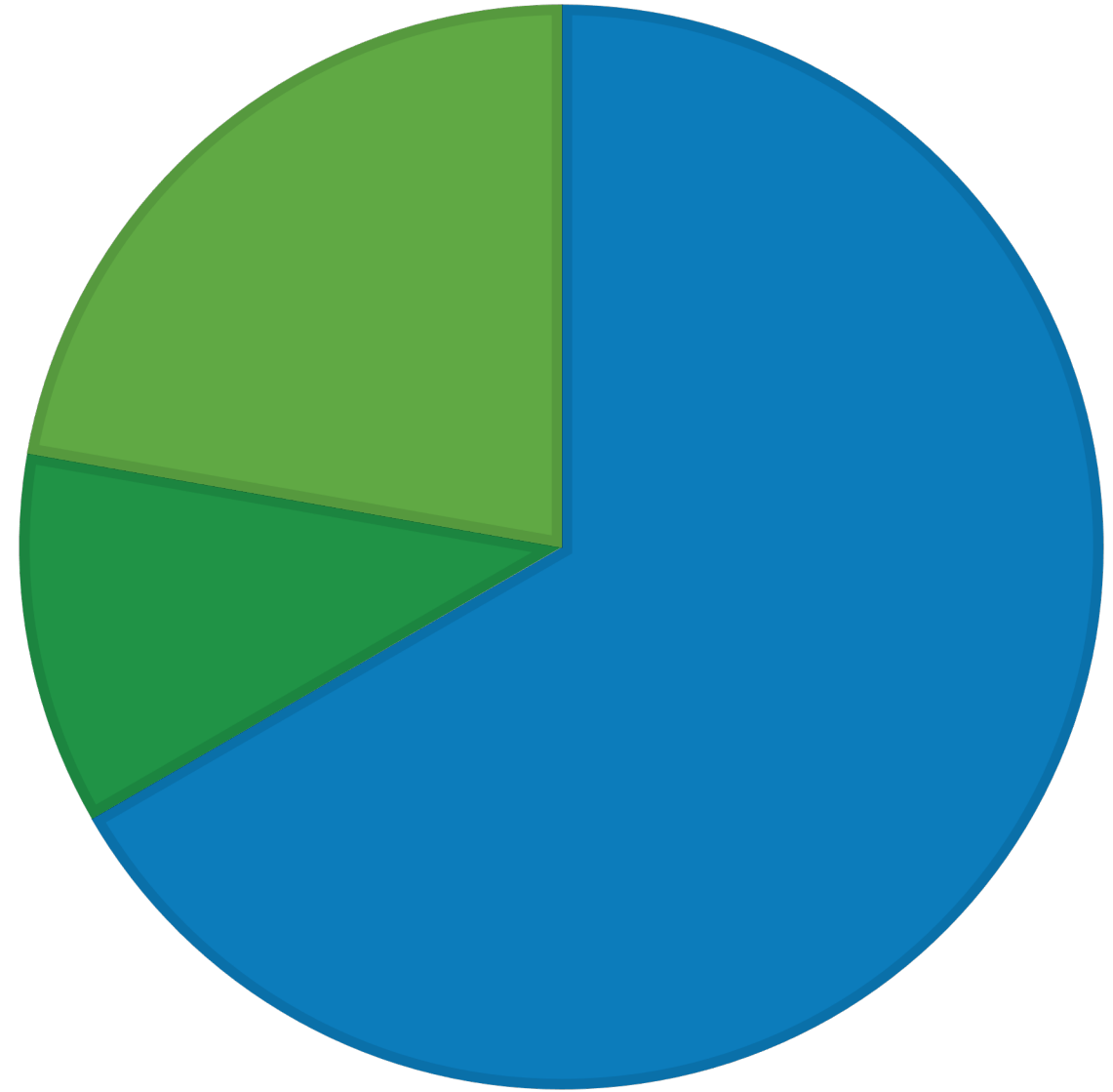
16 County Watershed Management Initiative

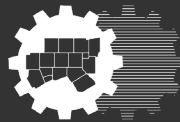
Roundtable met in 2017

Surveyed county floodplain managers on current practices

Discussed Texas Water Code § 16.315. authorizing counties to engage in floodplain management:

- Adopting and enforcing permanent land use and control measures
- Declaring property to be in violation of local laws, regulations, or ordinances
- Taking steps, using regional, watershed, and multi-objective approaches, to improve management and use of flood-prone areas
- Adopting more comprehensive floodplain management rules





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Metropolitan Transportation Plan Policy Bundle – Mobility 2045 Update

Voluntary list of policies that local governments can adopt to earn Transportation Development Credits

Choose from six sustainable stormwater practices for transportation improvements and site development


Round 5 is now open!
Applications due on May 31, 2023 at 5 PM. Visit www.nctcog.org/policybundle for more information.




POLICY BUNDLE EXPLORER

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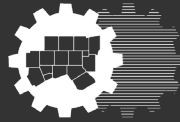
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Contacts and Program Links

Staff Contacts

Trinity River COMMON VISION Program

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MTP Policy Bundle

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Floodplain Management Resources

Trinity River COMMON VISION Program

- <https://nctcog.org/envir/watershed-management/trinity-river-common-vision>

Flood Management Task Force

- <https://nctcog.org/envir/committees/trinity-river-common-vision-steering-committee/flood-management-task-force>

Corridor Development Certificate

- <http://trinityrivercdc.com/>

CRS Users Group

- <https://nctcog.org/envir/watershed-management/crs-user-group>

Stormwater Program Resources

Educator Toolbox

- <https://nctcog.org/envir/watershed-management/stormwater/educator-toolbox>

BMP Library

- <https://nctcog.org/envir/watershed-management/stormwater/bmp-library>

YouTube Trainings

- <https://www.youtube.com/user/nctcoged>

Water Quality Resources

Water Resources Website

- <https://nctcog.org/envir/natural-resources/water-resources>

Water Resources Council

- <https://nctcog.org/envir/committees/water-resources-council>

Webinars

- <https://www.youtube.com/@NCTCOGED/videos>

North Central Texas Watershed Stakeholders

- The North Central Texas Watershed Stakeholders group meets annually to discuss water quality planning in the region and to exchange information about watershed management.

MTP Policy Bundle

Policy Bundle Website

- <https://www.nctcog.org/trans/plan/mtp/policy-bundle>

Mobility 2045 Update

- <https://www.nctcog.org/trans/plan/mtp/mobility-2045-2022-update>