Flood Management Task Force

May 16, 2025

Trinity
COMMON VISION

Agenda

Welcome and Introductions/Attendance

Meeting Summary

Trinity-San Jacinto River Basin Selected as Regional Integrated Water Science (IWS) Basin

FY 2025 Trinity River COMMON VISION Work Program Activities Discussion

Other Program Related Efforts

Other Business and Roundtable Discussion

Next Meeting

Adjournment

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1. Welcome and Introductions

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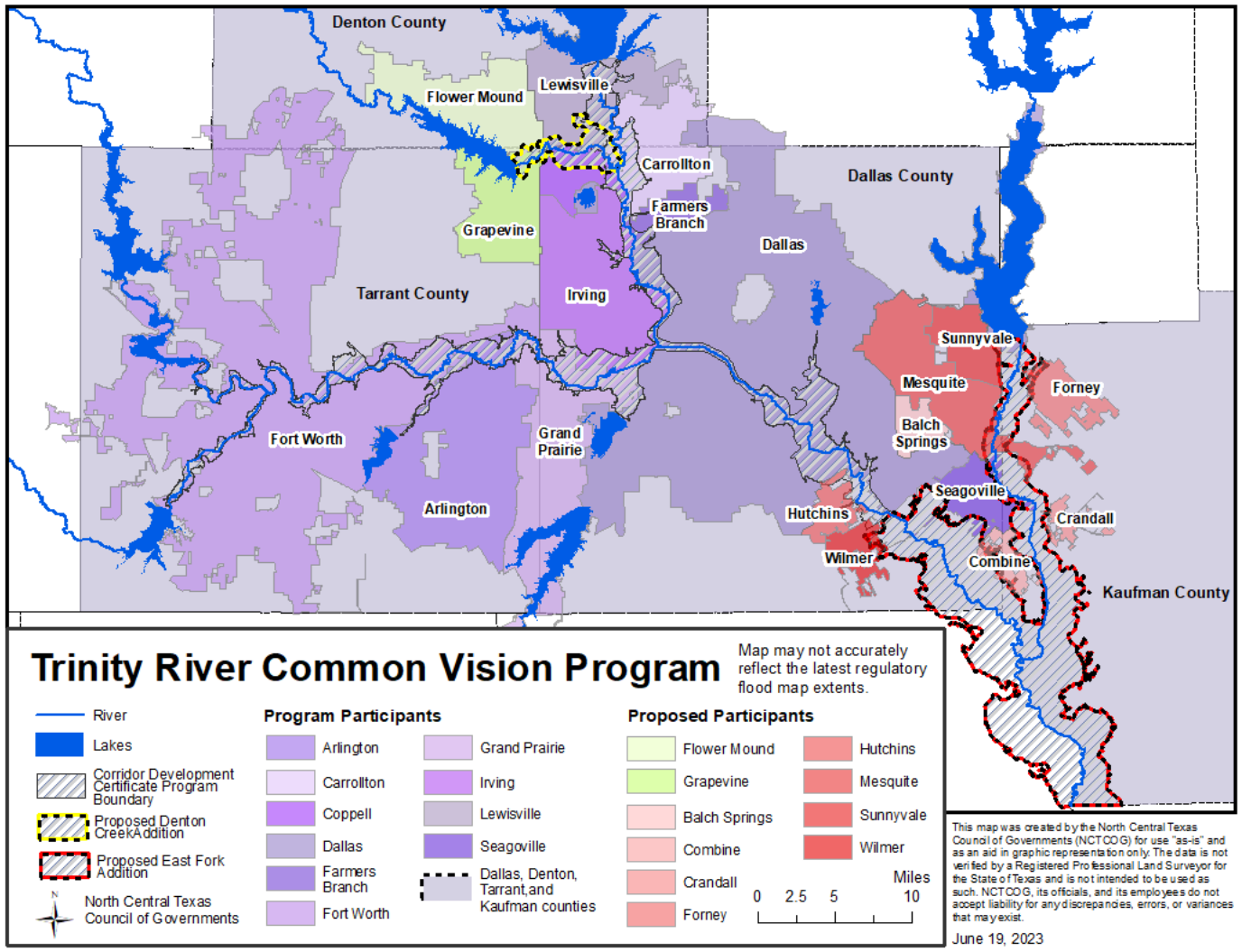
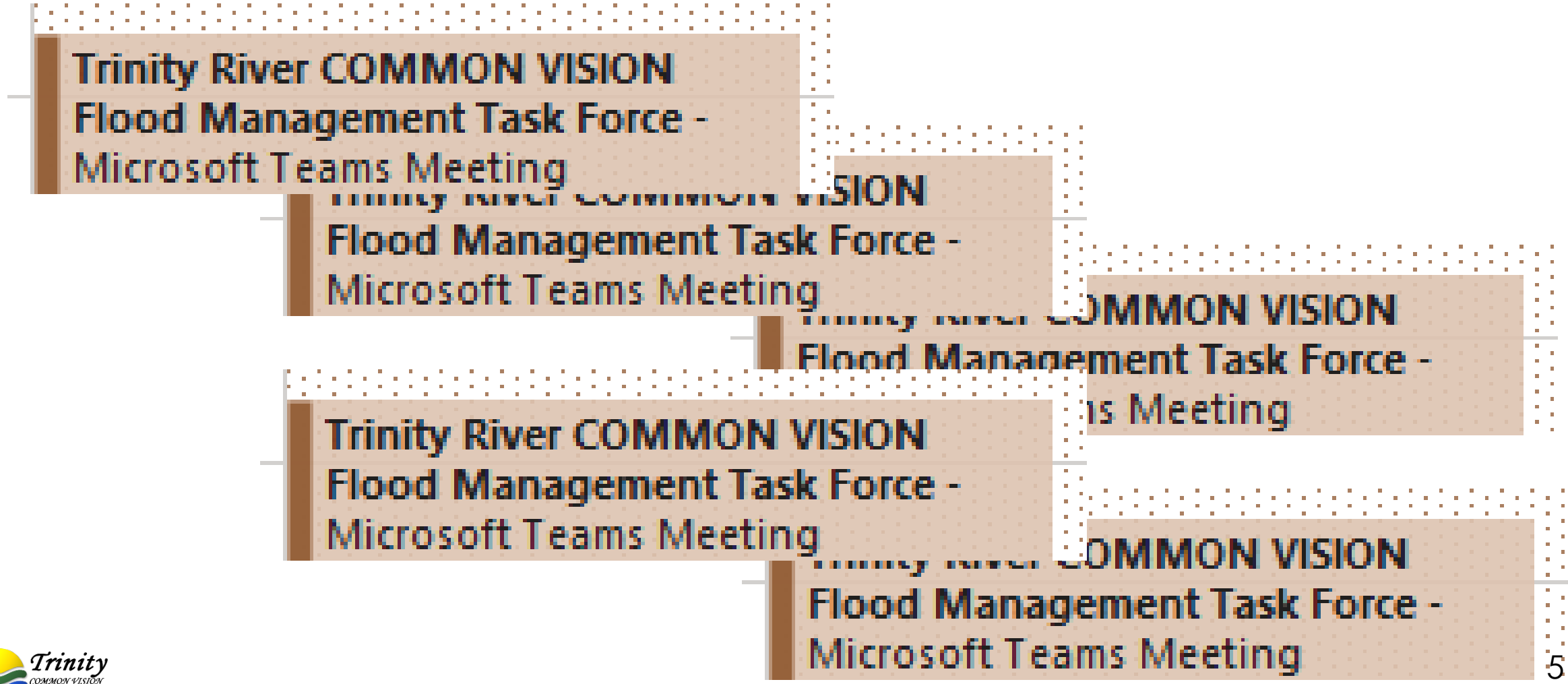
Attendance



- Arlington
- Carrollton
- Coppell
- Dallas
- Farmers Branch
- Fort Worth
- Grand Prairie
- Irving
- Lewisville
- Seagoville
- Dallas County
- Denton County
- Kaufman County
- Tarrant County
- TRWD
- TRA

How Many Meeting Invites Would a Woodchuck Chuck if a Woodchuck Could Chuck Meeting Invites?



2. Meeting Summary Approval

- The link to the February 2025 meeting summary is available in the chat.
- Please inform Kate Zielke of any corrections or additions, at kzielke@nctcog.org.
- Motion?

3. Trinity-San Jacinto River Basin Selected as Regional Integrated Water Science (IWS) Basin

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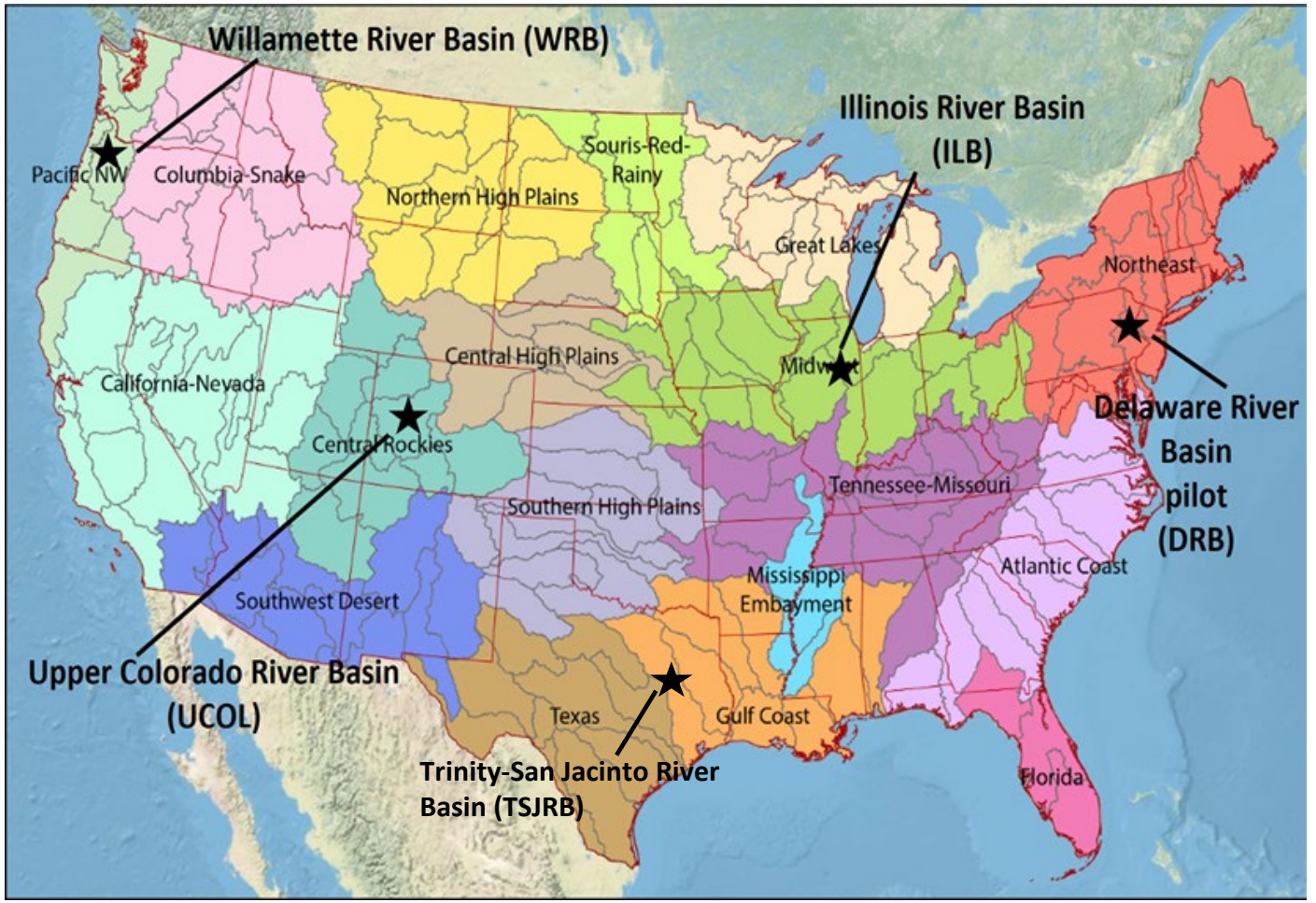
Trinity-San Jacinto River Basin (TSJRB) Integrated Water Science (IWS)

Erik Smith (U.S. Geological Survey)
easmith@usgs.gov

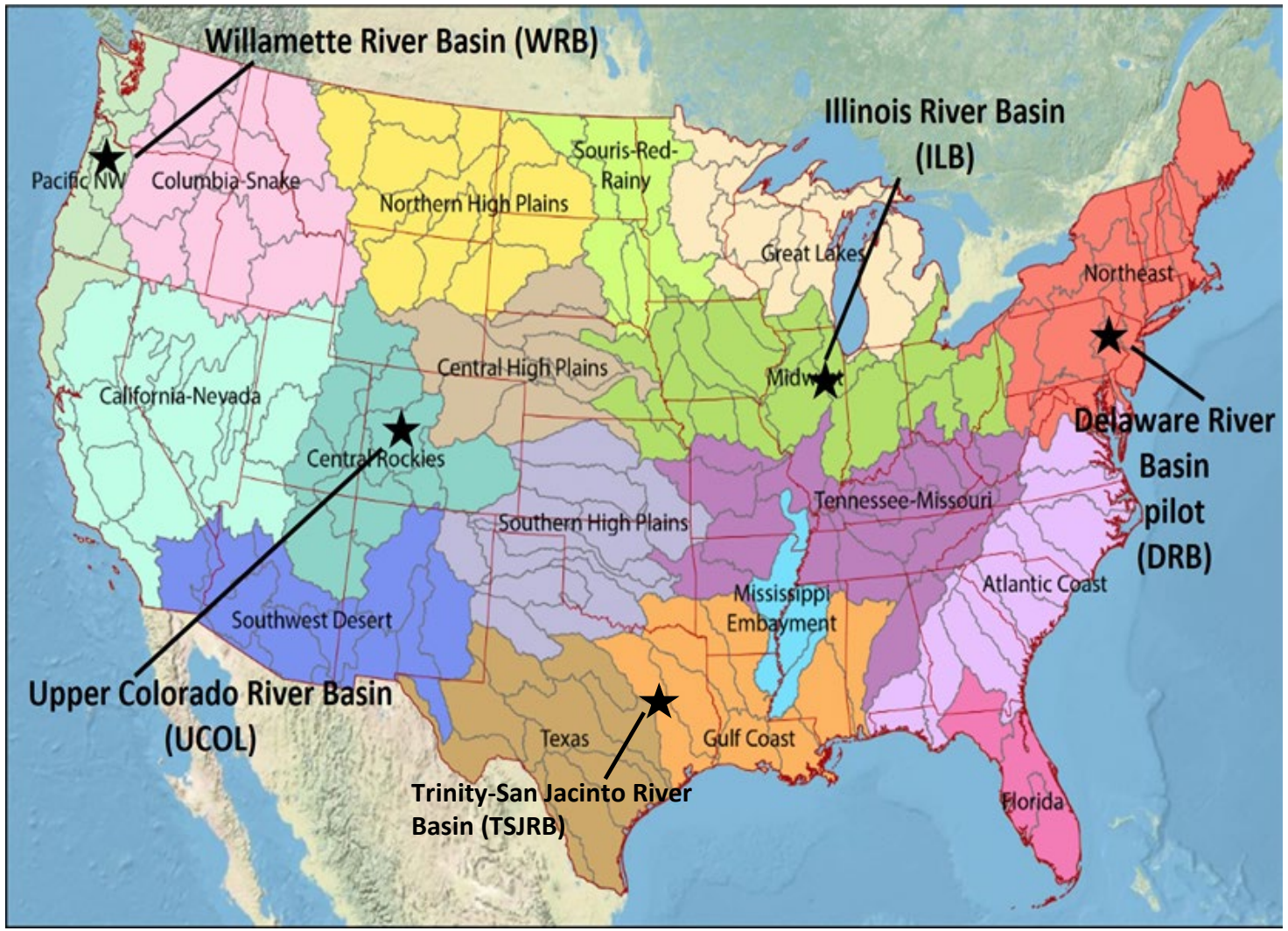
Integrated Water Science Basins

Intensive Reference Basins to Drive the Future of Integrated Water Science:

- River basins (10,000-25,000 mi^2) representative of larger water-resource regions → selection included quantitative metrics and stakeholder engagement
- Develop a deep, integrated understanding that can be extended to the broader region
- Designed as a 10-year project – divided into two halves → 1st half is today's focus
- **Trinity-San Jacinto River Basin (TSJRB) IWS: urban flooding, risk**



Integrated Water Science Basins



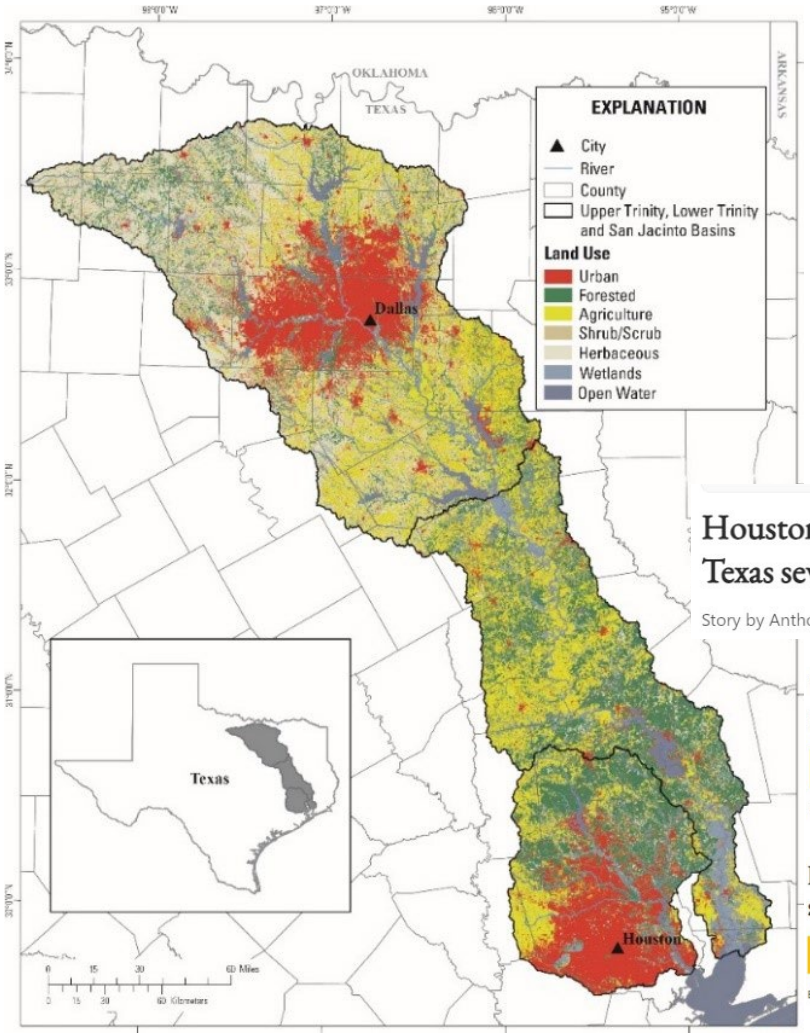
Integrated Water Availability Assessments (IWAA)

- Evaluate current conditions related to the urban flooding and risk
- Evaluate long-term historic flooding trends
- Provide long-term projections of changes in water available for humans in response to changes related to urban flooding

Next Generation Water Observation System (NGWOS)

- Provide an innovation incubator for water observing methods and instrumentation development that can be transitioned to National network operations
- Modernization of the NWIS data telemetry, storage and delivery system to improve integrated data delivery to resource managers and the public

Trinity-San Jacinto River Basin (TSJRB) IWS



Houston has been hit by rounds of floods and tornadoes. When does Texas severe weather end?

Story by Anthony Franze, Newsroom meteorologist • 3d • 3 min read

Texas' first-ever statewide flood plan estimates 5 million live in flood-prone areas

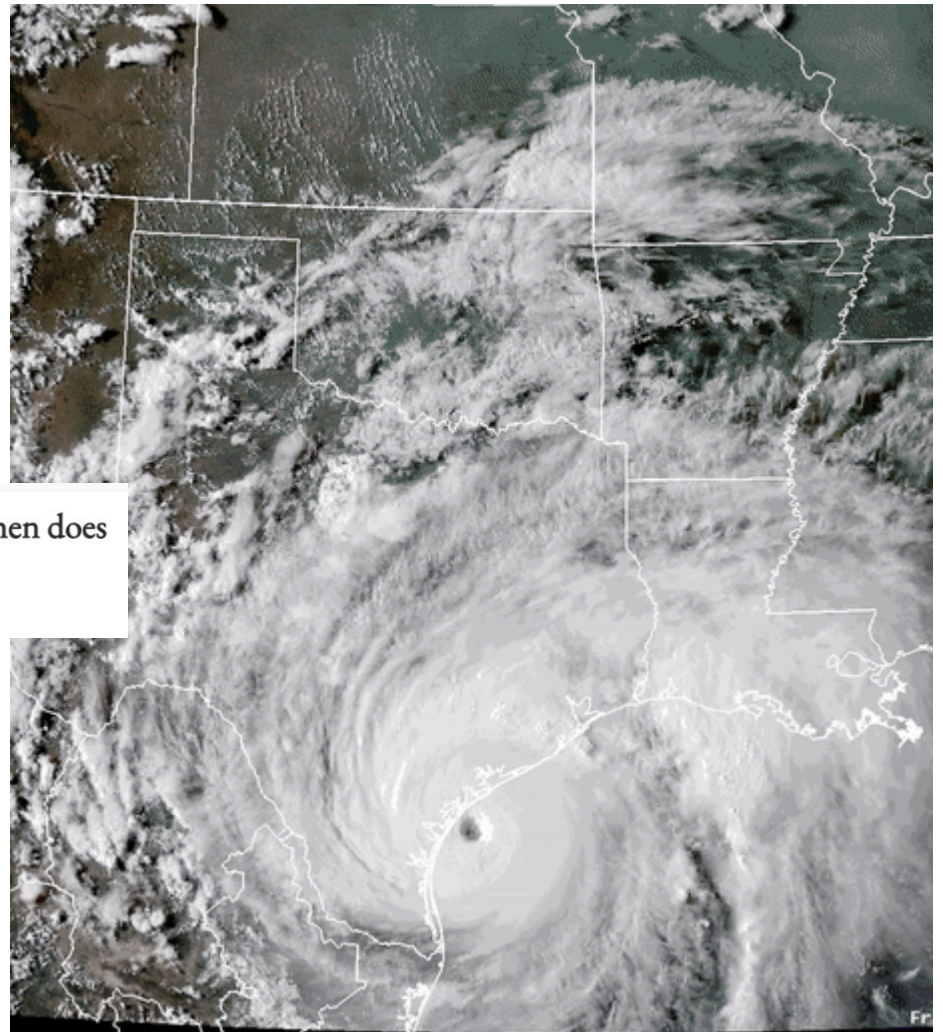
The state's flood plan shows which Texans are most at risk of flooding and suggests billions of dollars more are needed for flood mitigation projects.

BY ALEJANDRA MARTINEZ MAY 28, 2024 5 AM CENTRAL SHARE REPUBLISH

Federal forecasters predict the highest number of storms ever for 2024 season

Wind changes caused by the La Niña climate pattern and warmer-than-average ocean temperatures are expected to be major drivers to this year's hurricane season.

BY ALEJANDRA MARTINEZ MAY 23, 2024 11 AM CENTRAL SHARE REPUBLISH



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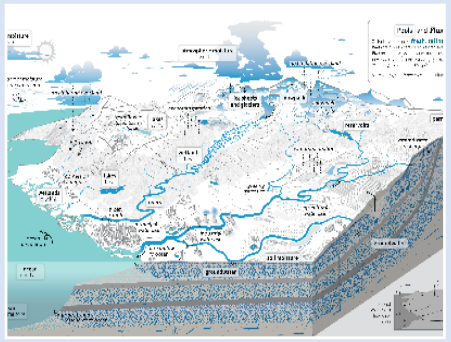
Linking Urban Flooding Impacts

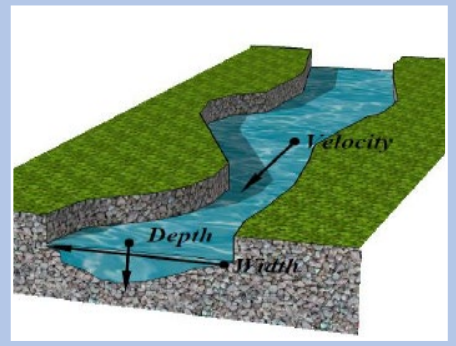
- Where is it flooding?
- How much does this change in the future, either in the flooding extent and/or the frequency?
- Why does it change?
  - Different types of flood?
  - Changes due to a different overall climate forcing?
  - Land use changes?

Linking Urban Flooding Impacts



Hydrologic - the distribution and movement of water both on and below the Earth's surface, as well as the impact of human activity on water availability and conditions

- Modeled on a basin/watershed scale
- Used to assess climate conditions
- Precipitation and surface runoff flows into the ditch or channel = hydrology



Hydraulic - the motion of liquids in relation to disciplines such as fluid mechanics and fluid dynamics

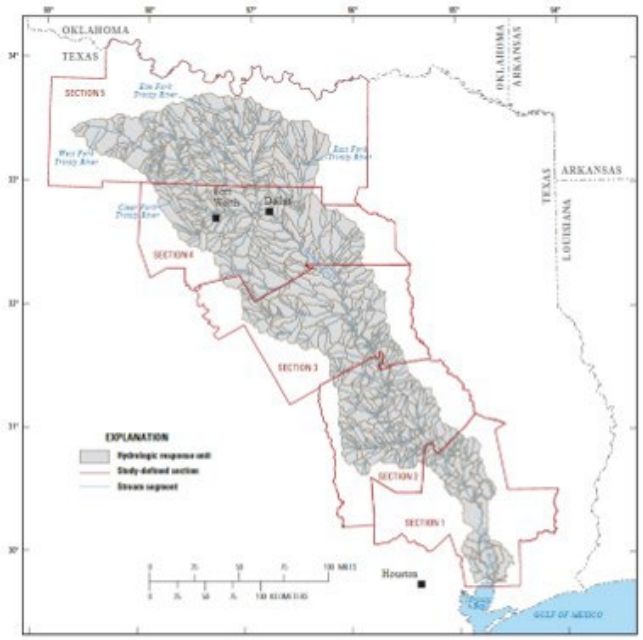
- Modeled on a smaller local scale
- Used to assess flow conditions
- Determining the water level in the ditch or channel and how fast the water is moving = hydraulics

Linking Urban Flooding Impacts

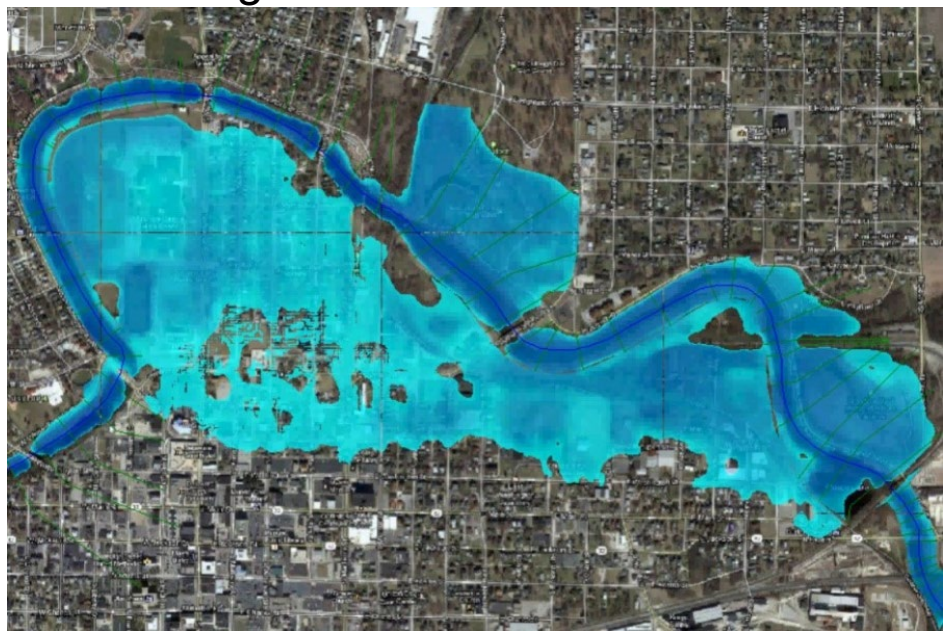
Two primary models are being developed or utilized as part of the Phase 1 study:

1. Hydrologic model – Pywatershed: output from different scenarios, input into HEC-RAS
2. Hydraulic model – HEC-RAS: scenario model runs, library of flood inundation maps

1) Pywatershed (PRMS):
Simulated Water Budget Components, Streamflow

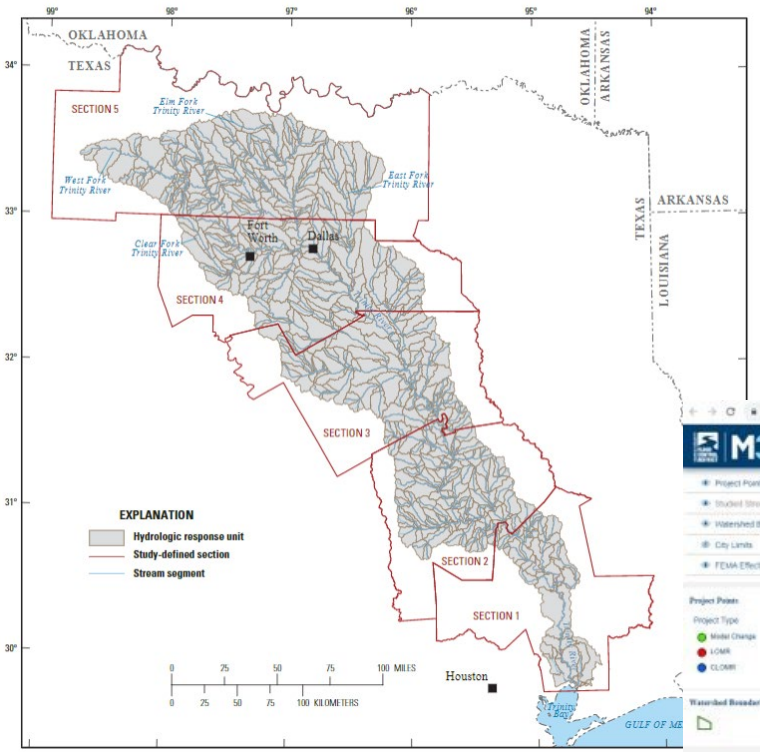


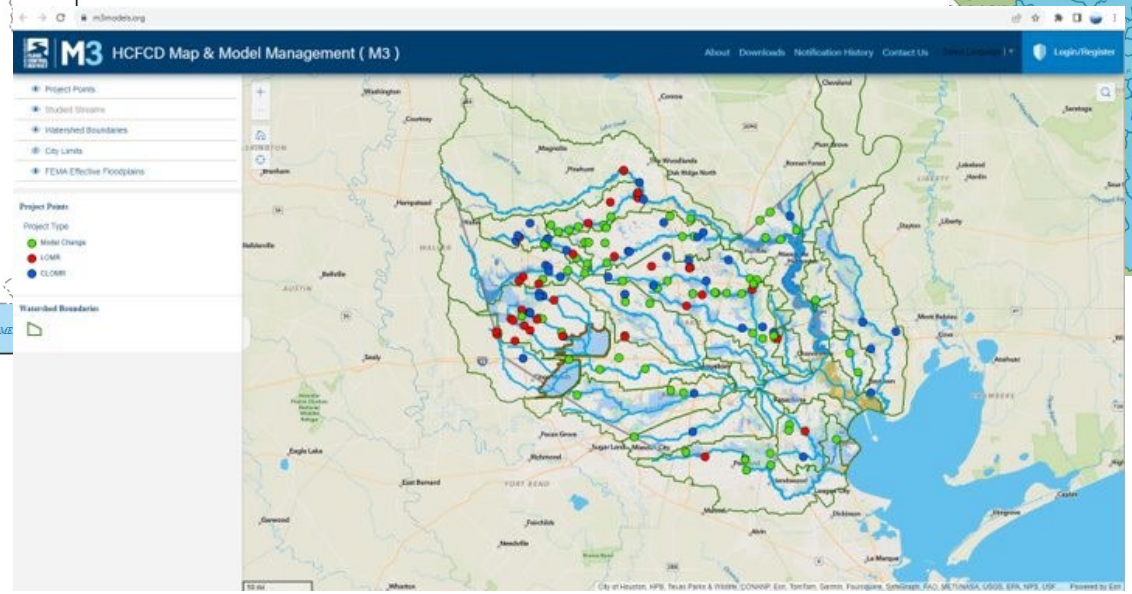
2) Base Level Engineering (BLE) supplemented w/ 1D/2D HEC-RAS:
Assess regional and local flood risks

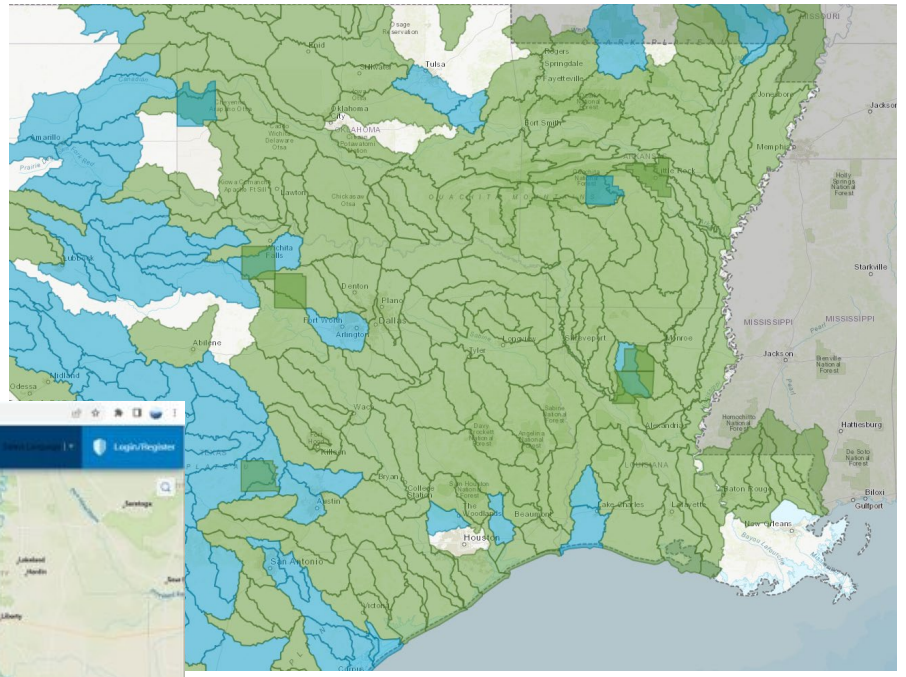


Linking Urban Flooding Impacts

Leveraging existing models, with new calibration efforts

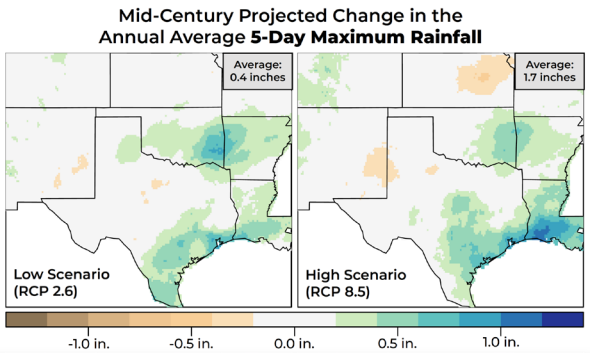




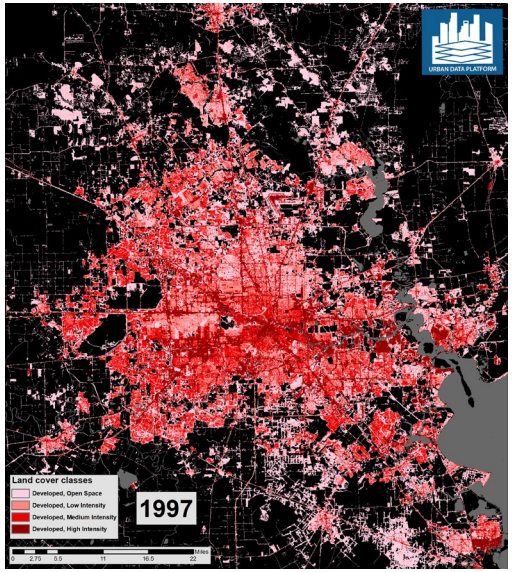


USGS

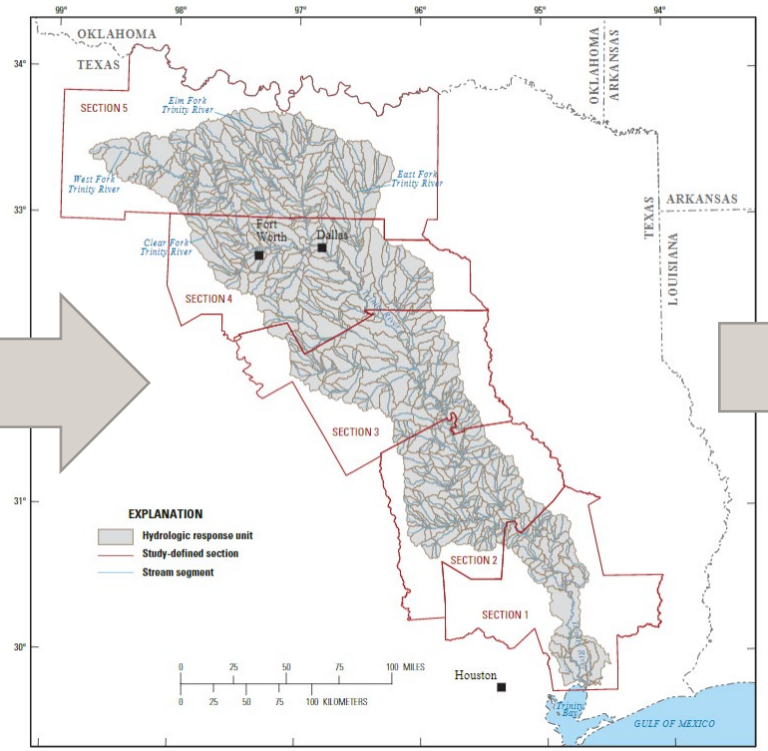
How Land Cover Change and Climate Variability Influence Urban Flooding



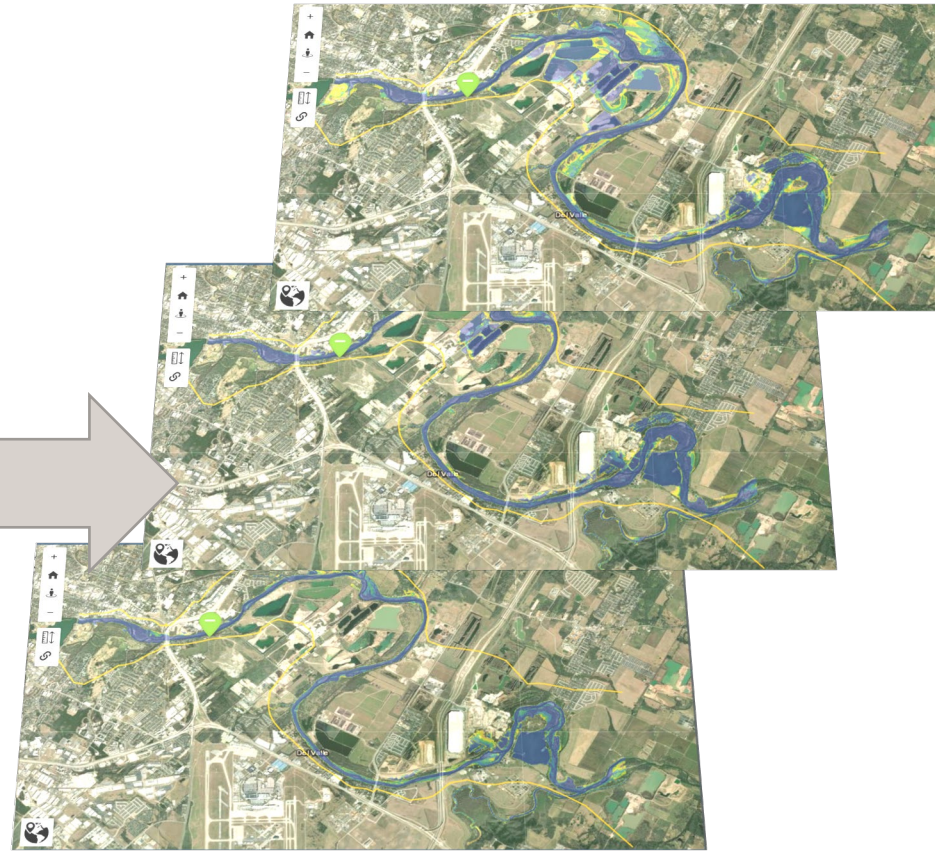
Source: SE CASC, USGS



GIF source: Smiley and Hakkenberg, 2020 (Rice University)



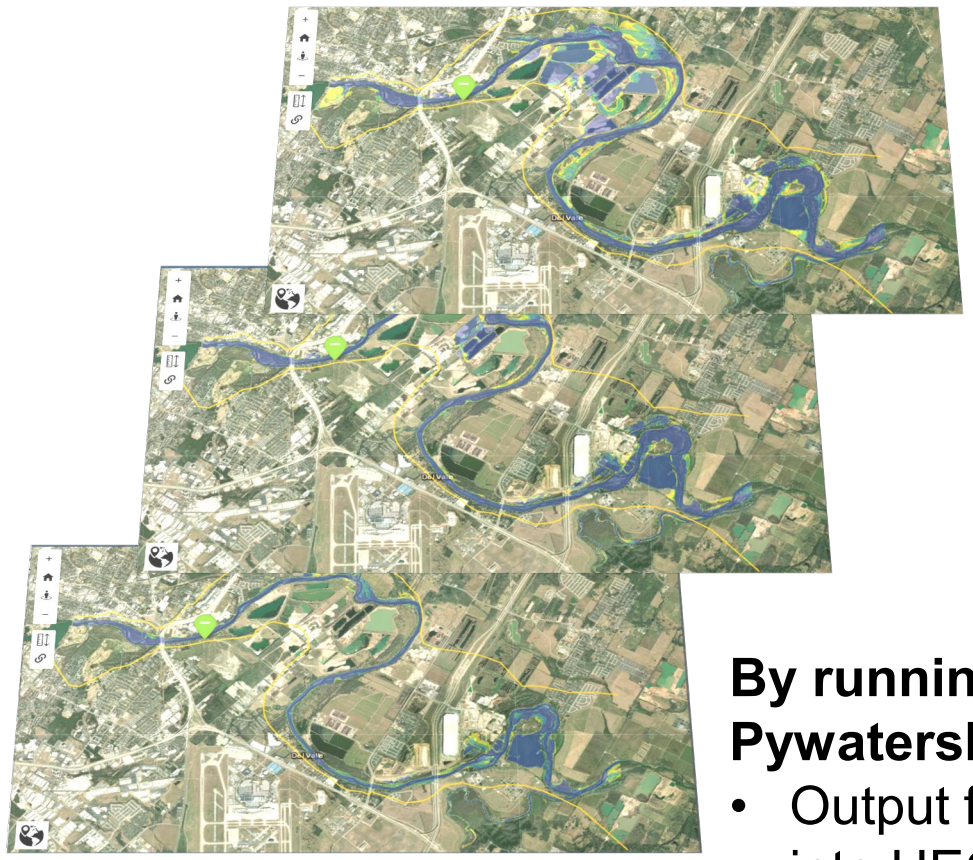
Hydrologic Model, PyWatershed



Hydraulic Model, Combination of BLE and 1D/2D HEC-RAS models

USGS

How Land Cover Change and Climate Variability Influence Urban Flooding



Resulting flood inundation maps, based on different scenarios

Climate Scenarios:

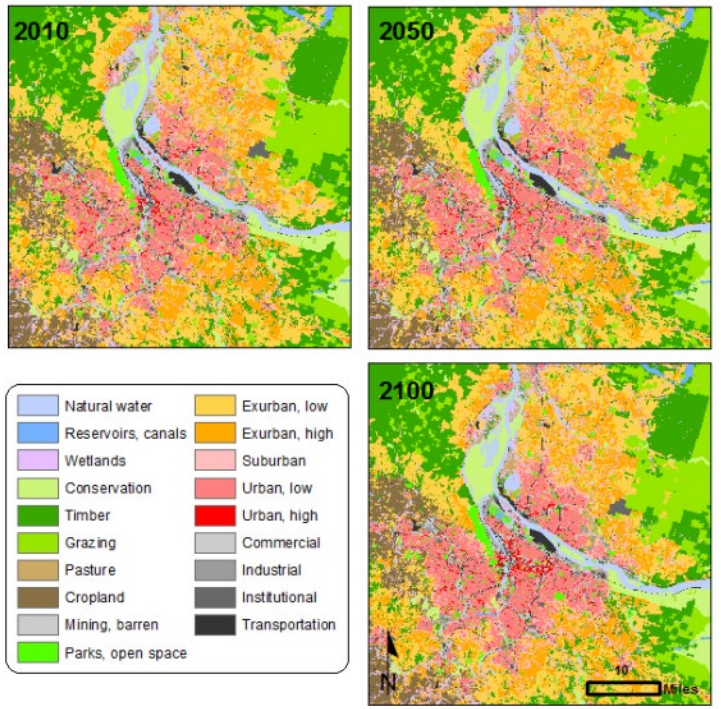
- CONUS404 PGW
  - Ensemble means of 100 LENS2 ensemble members

Land-use Scenarios:

- Most likely use ICLUS datasets
- Projections (up to 2100) or similar
- Consult w/ local stakeholders

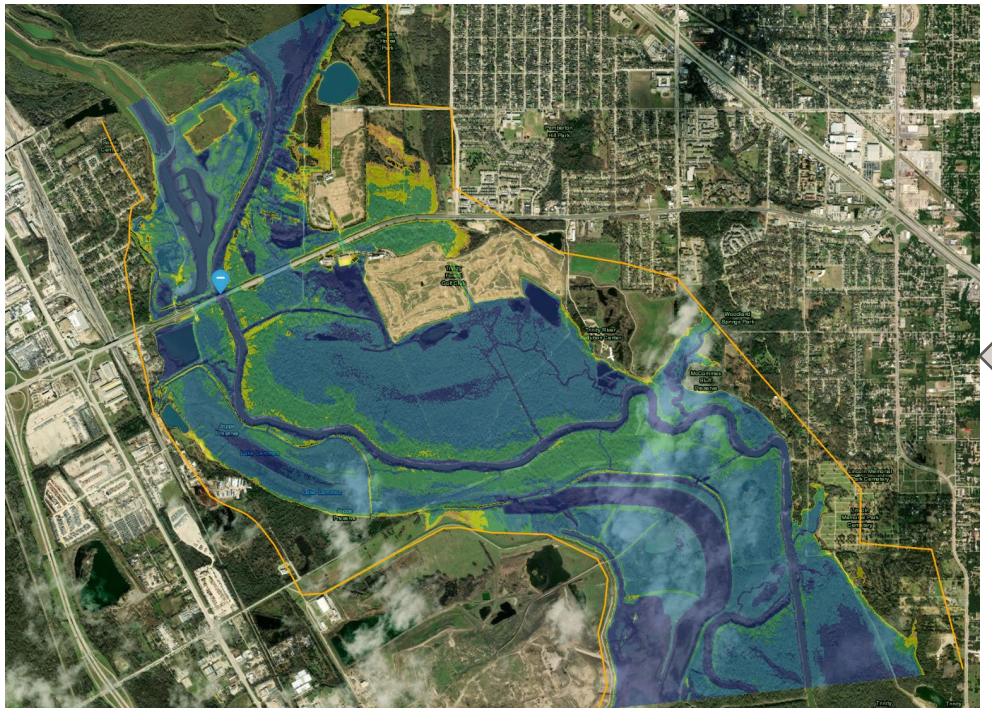
By running the different scenarios with Pywatershed:

- Output from Pywatershed used as input into HEC-RAS
- Future land / climate scenarios will give a library of potential flood extents

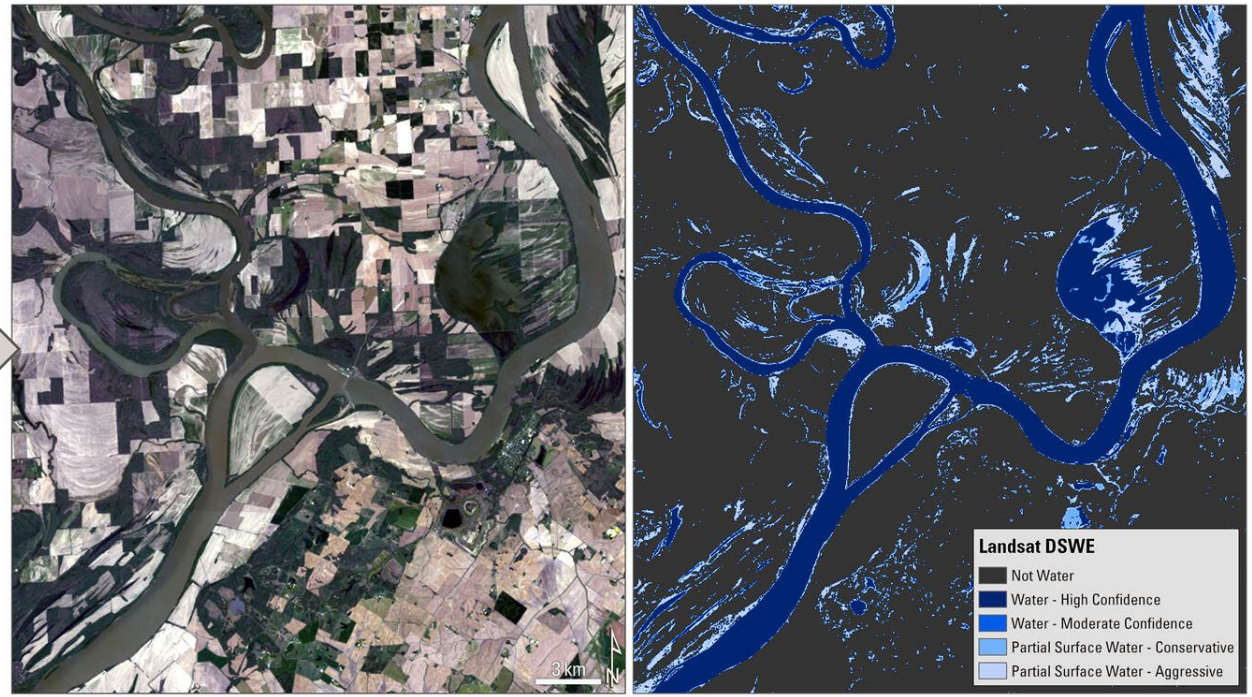


USGS

Using Dynamic Surface Water Extent as Secondary Calibration on Flood Extent

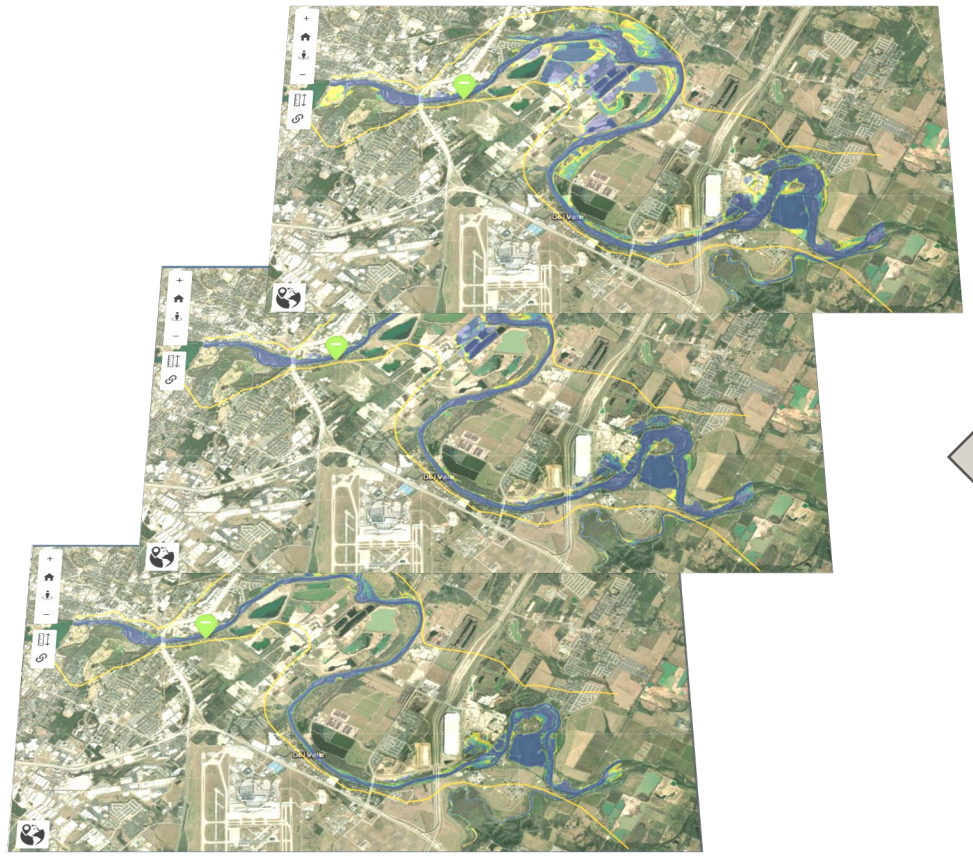


Flood stage, estimated flood extent with depths (from flood inundation model)



Dynamic Surface Water Extent (DSWE) product provides raster layers that represent surface water inundation per-pixel in Landsat data

Using Dynamic Surface Water Extent as Secondary Calibration on Flood Extent



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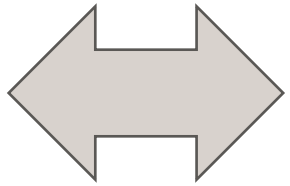
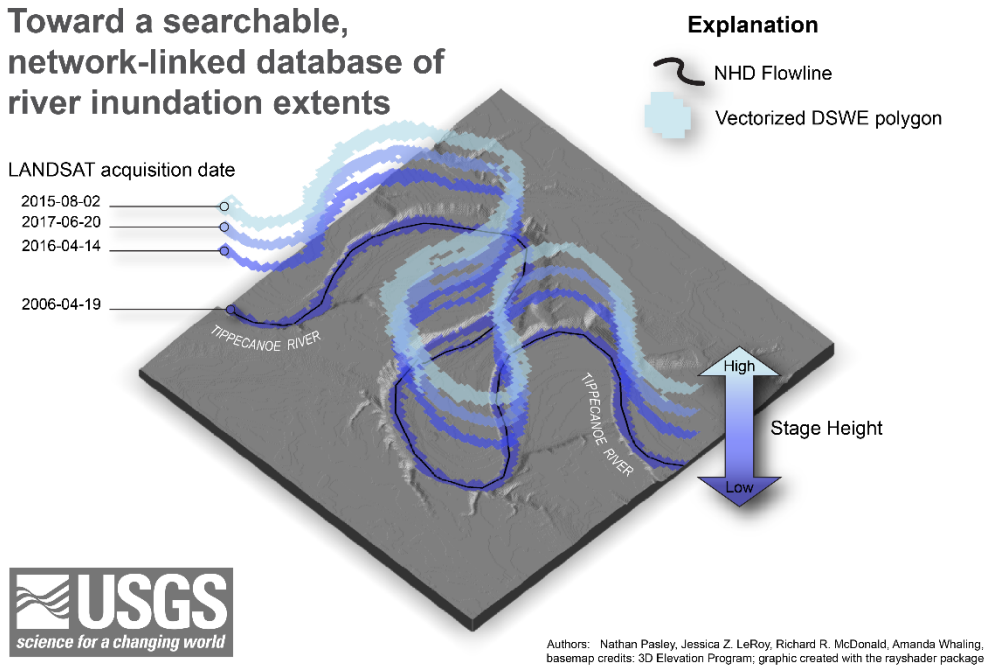


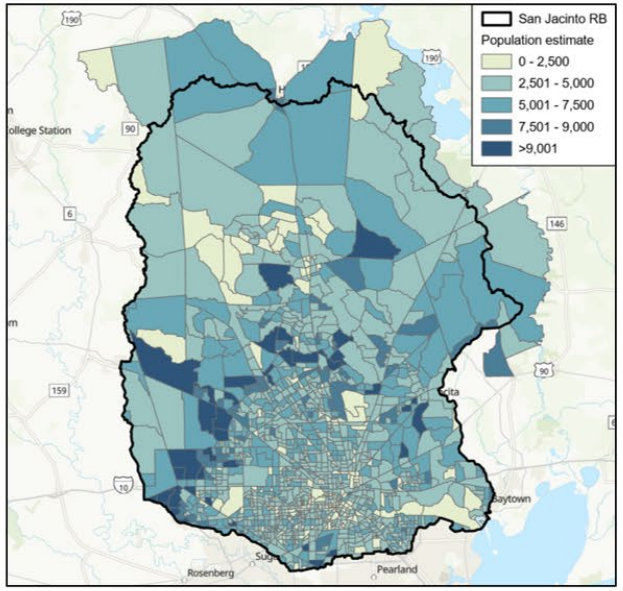


Dynamic Surface Water Extent (DSWE) product provides raster layers that represent surface water inundation per-pixel in Landsat data

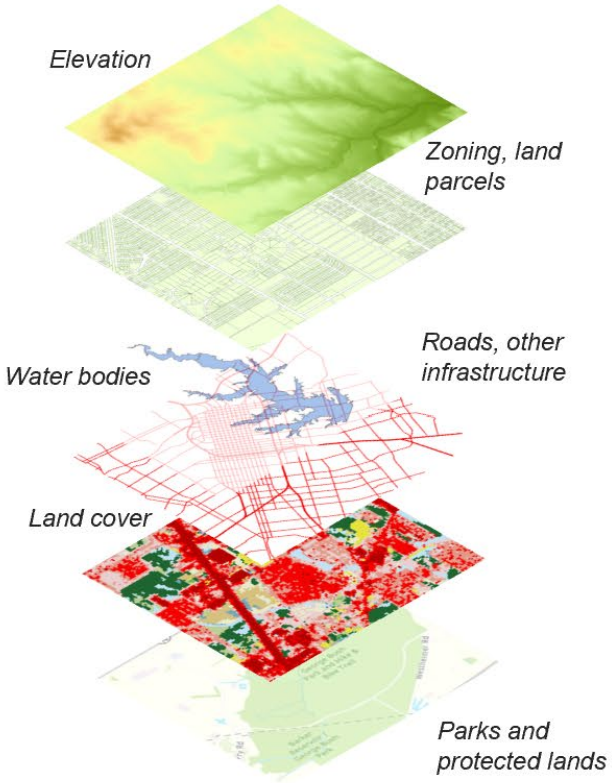
USGS

Where do people live, relative to flooding risk?

Census population estimates

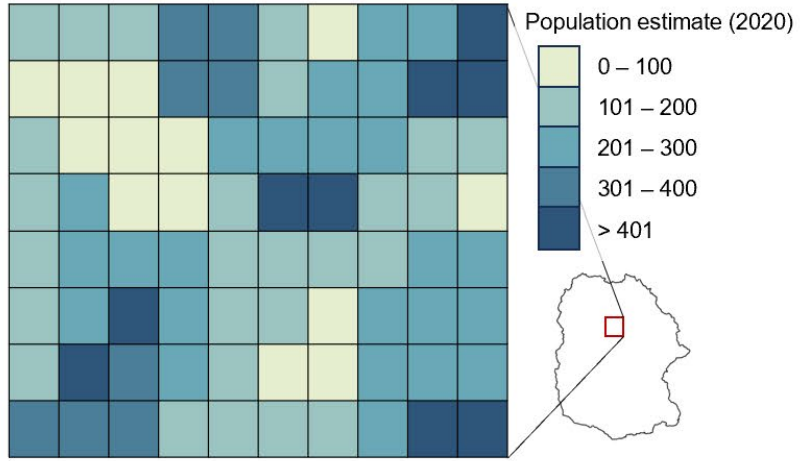


Census block population estimates, assign population equally across polygon



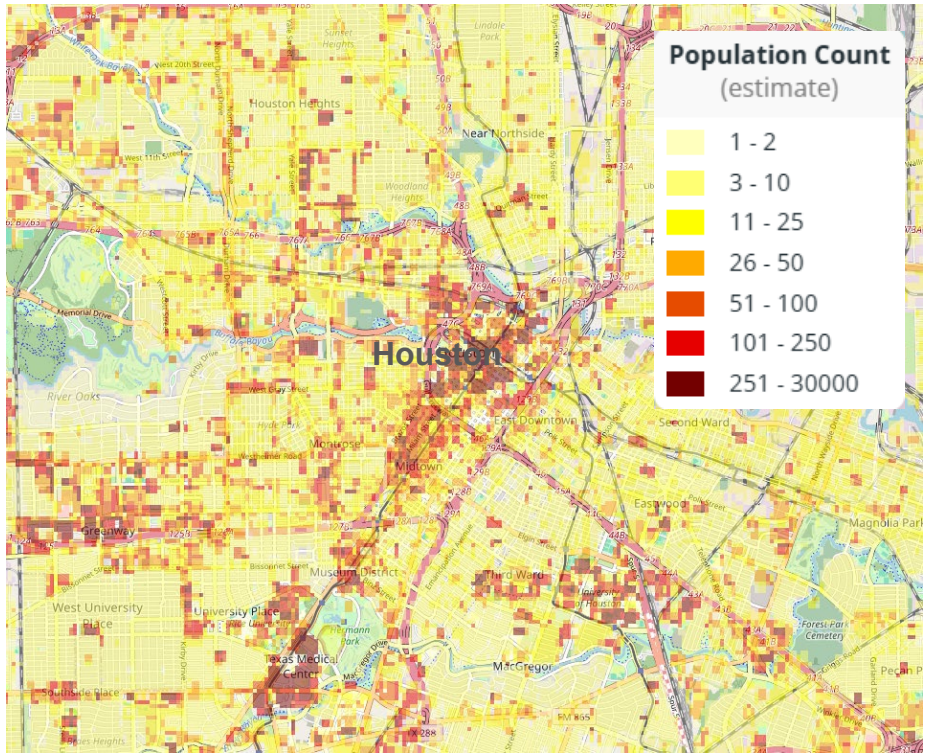
Machine learning technique, account for remote sensing, elevation, water bodies, roads, slope, etc. to assign population more dynamically

Gridded population count



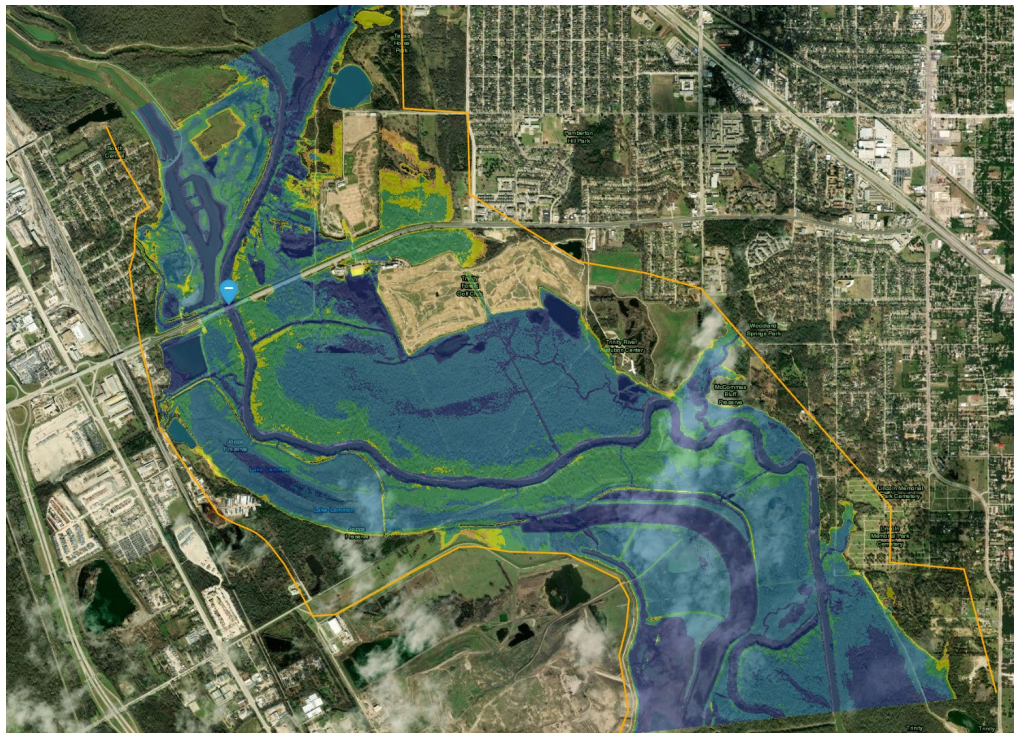
Gridded population count, account for population in a more realistic manner

Linking Population Dynamics to Flood Stage



Existing population dynamics dataset (https://landscan.ornl.gov), example of population dynamics dataset that could be leveraged or adapted for Trinity-San Jacinto use case

Interface flood stage with human population dimensions for an accurate assessment of how many people at risk: Useful for emergency operations, city planners, for example

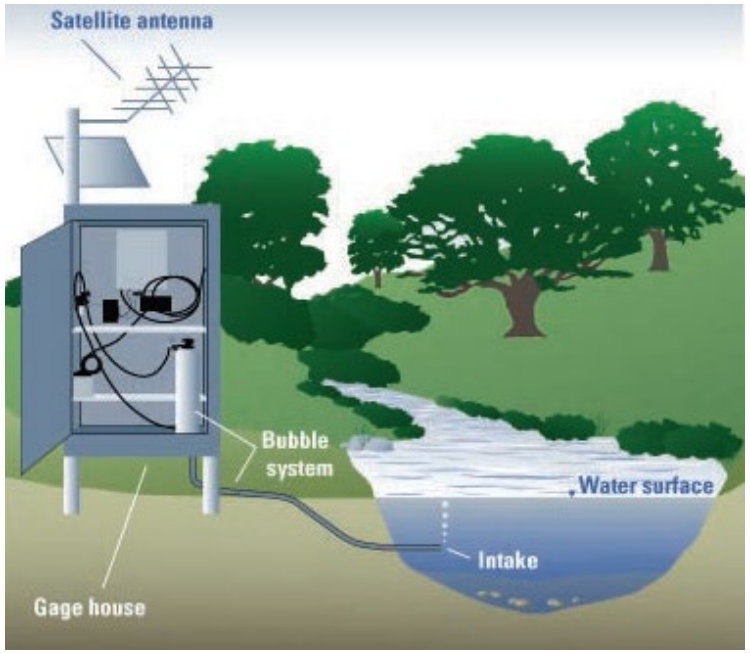


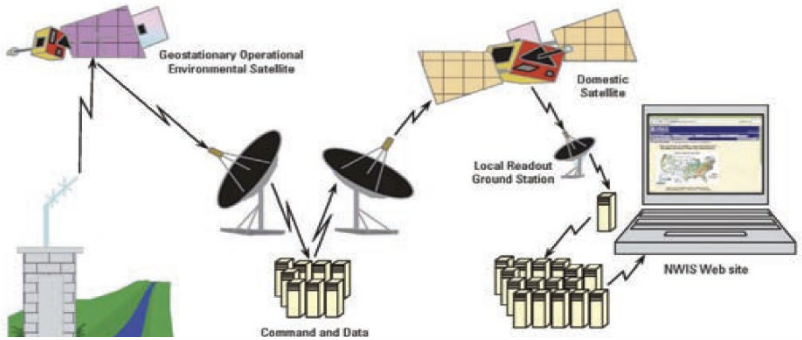
Flood stage(s), estimated flood extent with depths (from flood inundation model)

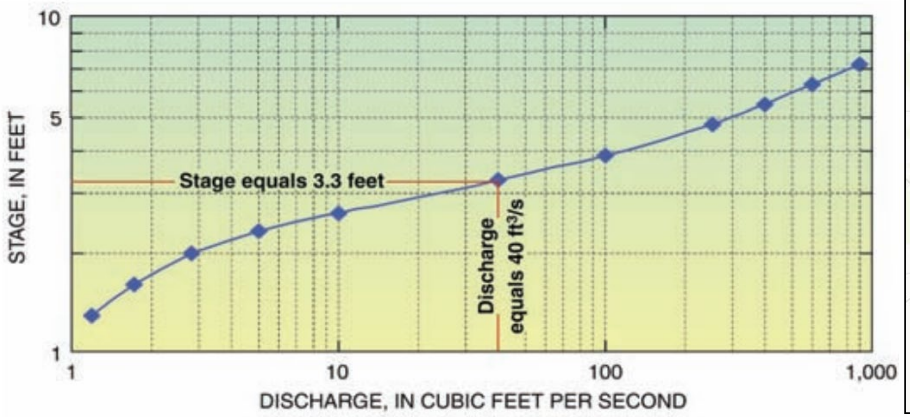
USGS

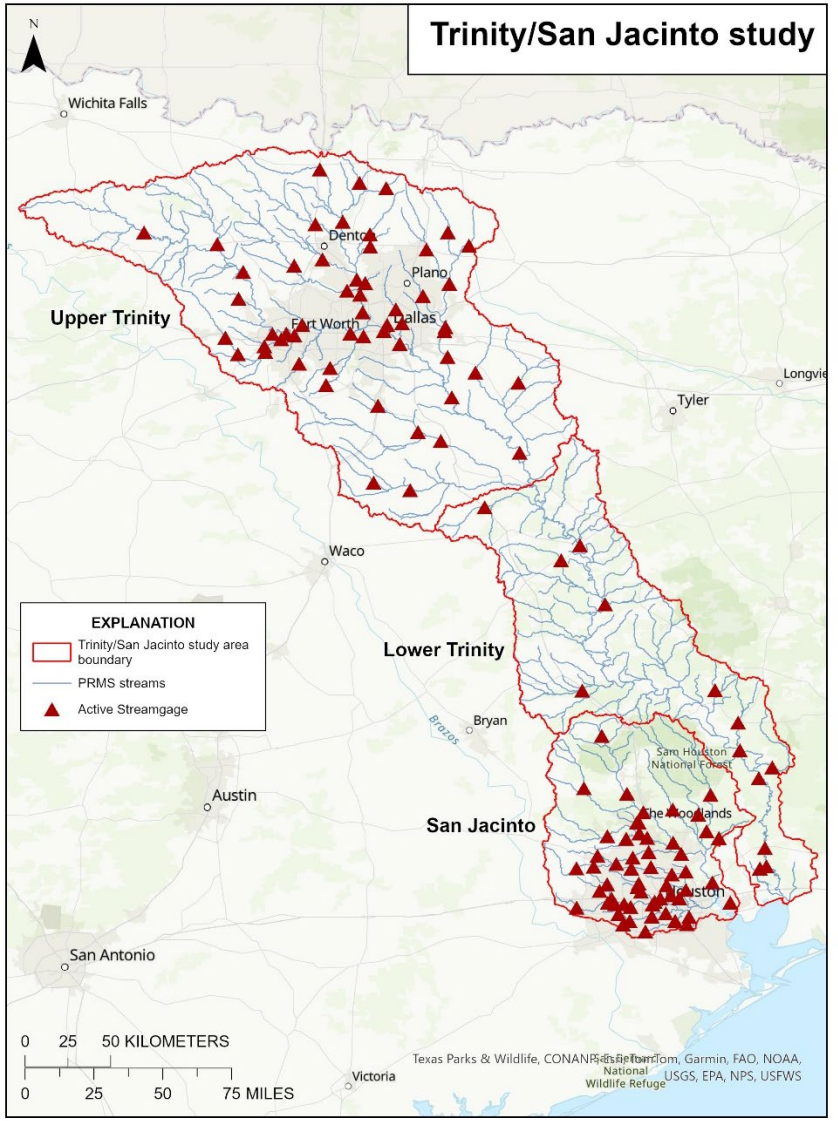
Next-Generation Water Observations System (NGWOS) in Trinity-San Jacinto

Examples of on-the-ground NGWOS monitoring the USGS is pursuing in the Trinity and San Jacinto River Basins: how to improve upon models, or how can models better inform where to monitor?





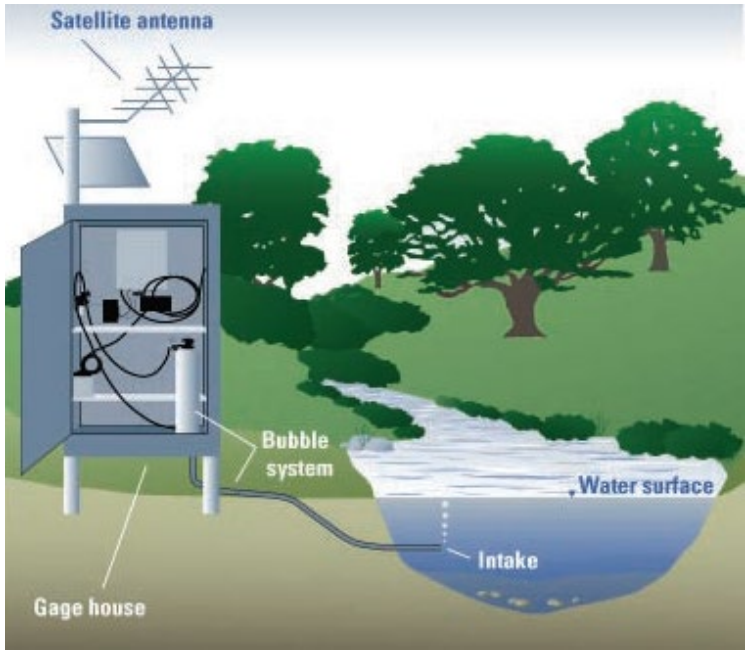


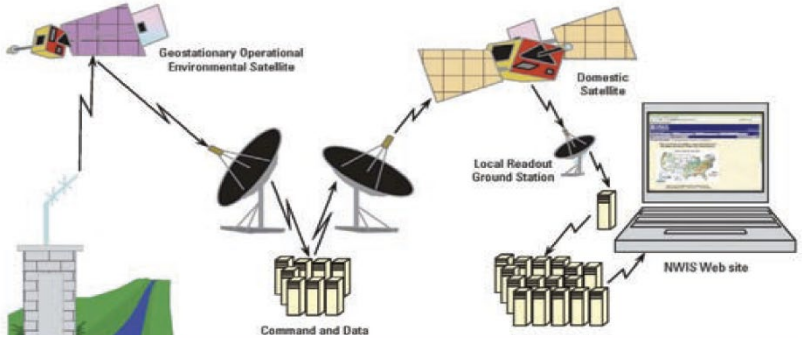


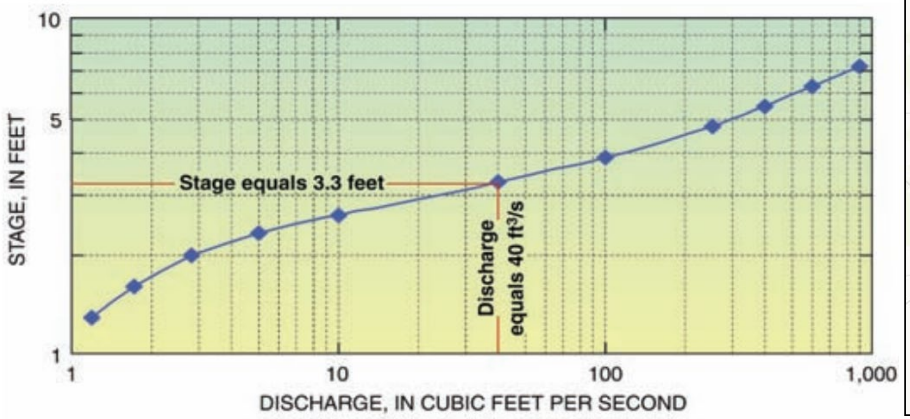
USGS

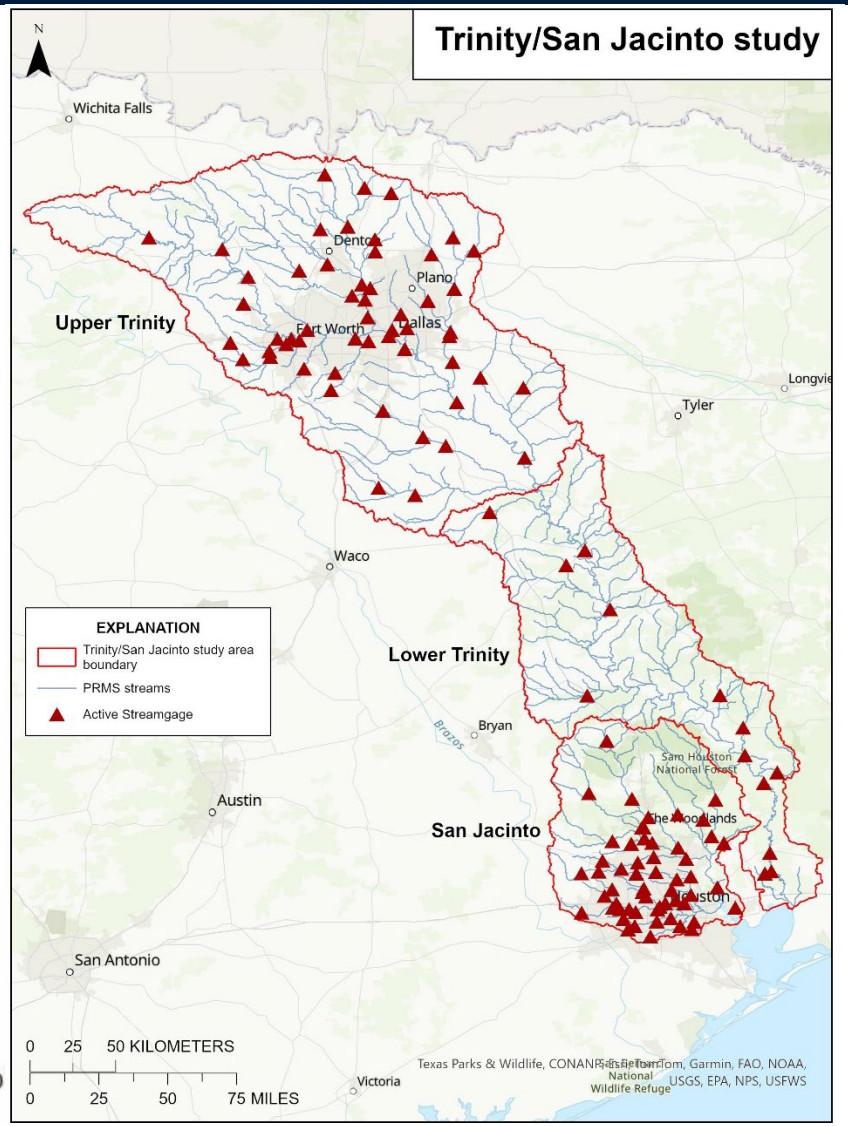
NGWOS: Increasing Network Density

- Urban flooding requires more monitoring
- Familiar: stage-discharge relation (rating curve) based on direct measurements of stage and discharge



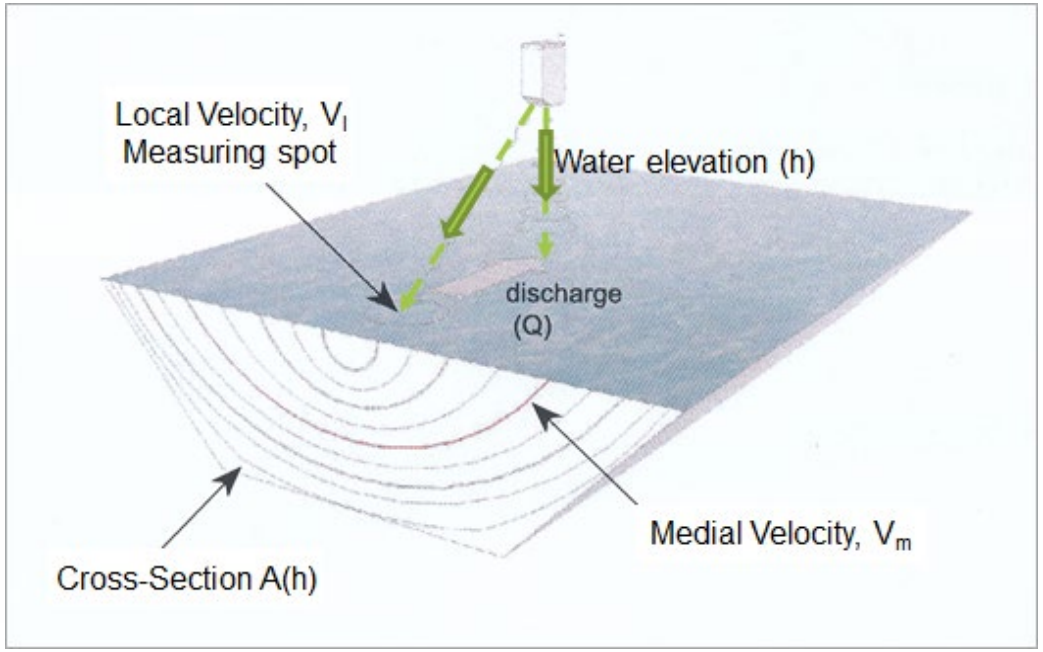


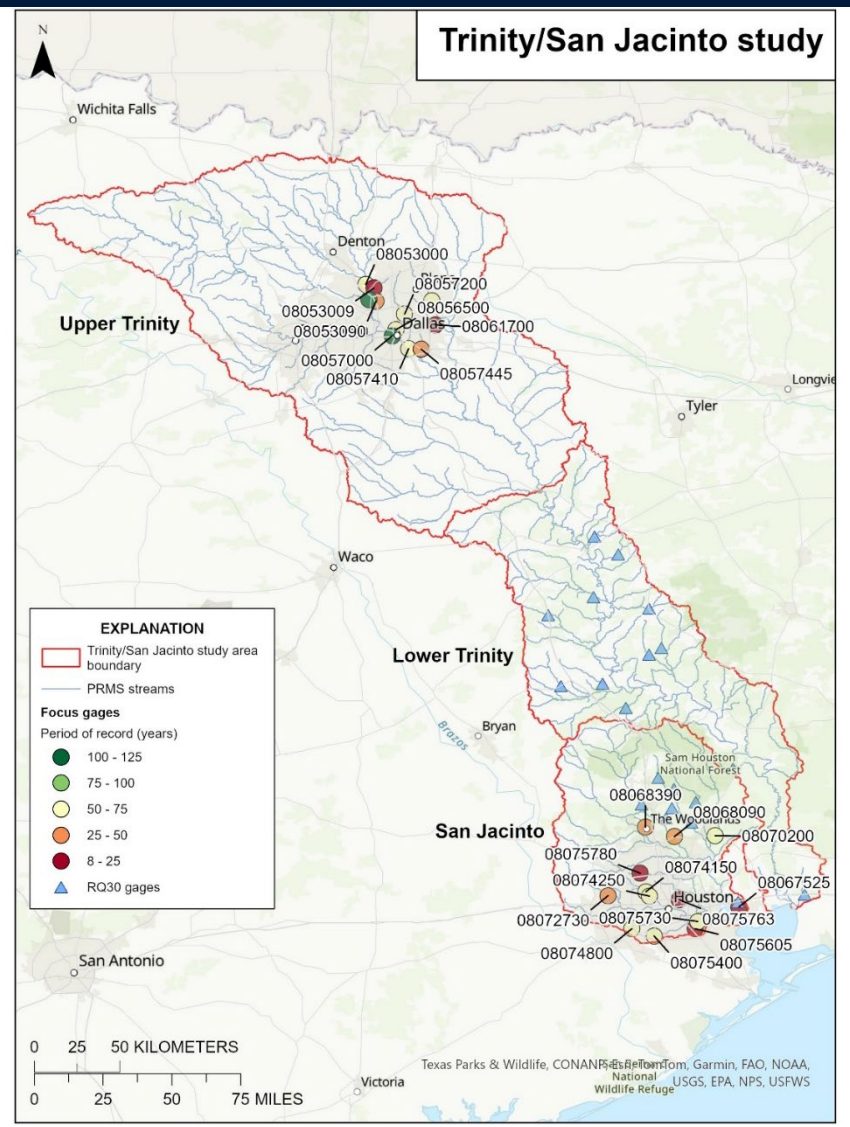




NGWOS: Increasing Network Density

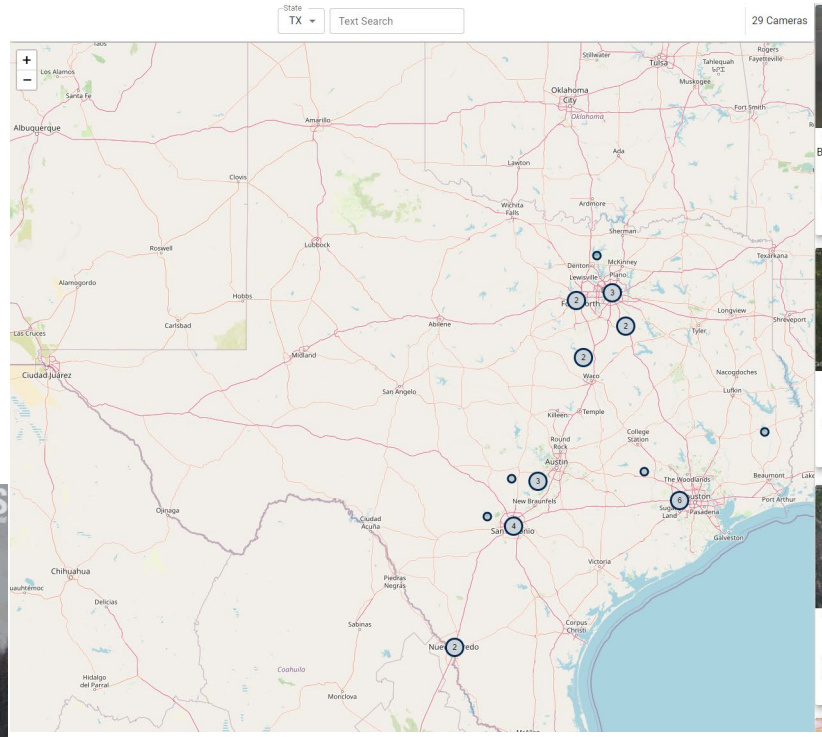
- Urban flooding requires more monitoring
- RQ30 / indirect velocimeter: smaller footprint (current USGS project w/ TxDOT)
- Camera-based imagery





Imagery across the Nation

- Hydrologic Imagery Visualization and Information System
- 829 active cameras supported across United States (and growing) – 33 so far in Texas
- Publicly available (https://apps.usgs.gov/hivis/)
- Camera/station metadata
- Downloadable image gallery
- Interactive hydrograph



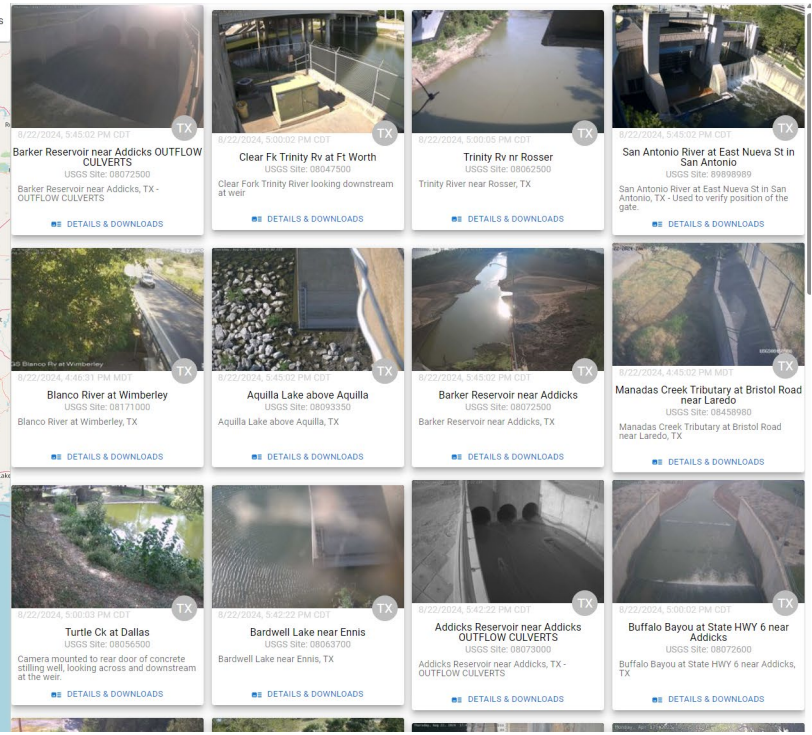
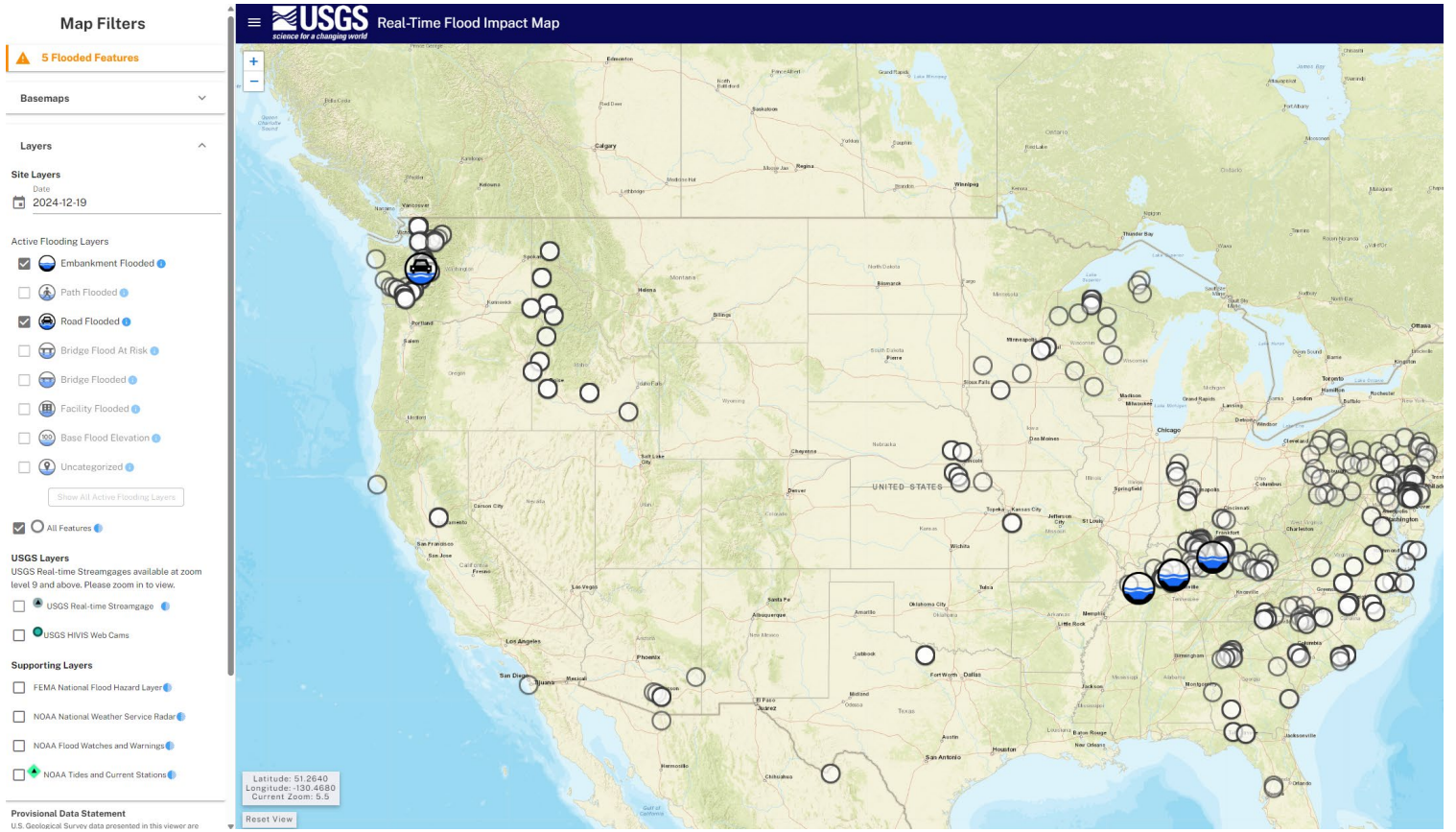


Image Velocimetry: subset of sites, where appropriate and funds available

USGS

Real-Time Flood Impact Map

- Working w/ Harris County Flood Control District
- Pilot project: multiple sites, different technologies: camera-based, radar based, ultrasonic
- Streamline installation and maintenance costs, while providing data during cell tower outages
- Serve data on USGS RTFIM



Discharge from Reservoirs

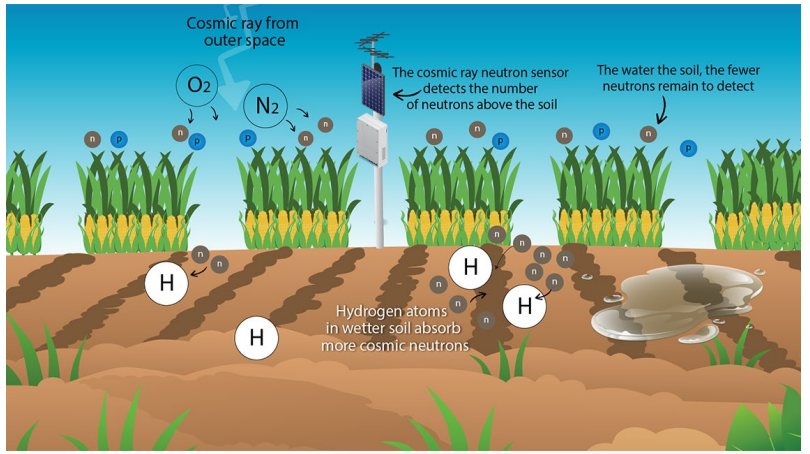
Reservoirs with lake elevation data collection and telemetry w/ instrumentation to measure, log, and transmit service gate positions:

- Benbrook Lake
- Joe Pool Lake
- Ray Roberts Lake
- Lewisville Lake
- Grapevine Lake
- Lavon Lake
- Navarro Mills Lake
- Bardwell Lake

Function of gate position, geometry of gates, and head pressure (lake elevation)

NGWOS: Research and Development

- Non-contact streamgaging
- Internet of Things (IoT)
- Imagery-based monitoring
- Autonomous sensing
- Water budget monitoring
- Soil moisture / cosmic ray neutron sensors
- Water quality sensors
- ….



Questions? Contact Erik Smith (easmith@usgs.gov)

4. FY 2025 Trinity River COMMON VISION Work Program Activities Discussion

FY2025 Trinity River Common Vision Work Program

NFIP-CDC Model Maintenance and Extension Efforts

- The USACE is continuing to incorporate approved CDC projects into the consolidated NFIP-CDC model and conduct ongoing model maintenance and expansion.

1. CDC Training Workshop Scope
   - USACE is preparing a training in coordination with NCTCOG to provide training to communities and consultants about the CDC program and process.
2. East Fork/Denton Creek Update and Expansion of the CDC Program West
   - The CDC East Fork and Mainstem extension was approved at the February 2025 FMTF meeting. The current models have been uploaded to the NCTCOG website.
   - Note that CDC and NFIP models in this area will remain separate until funding permits consolidation.
   - USACE is working on a pilot study for TSI to expand the CDC program to the West TSI area. The study is along Town Creek in the City of Weatherford, in coordination with city staff.

Contact

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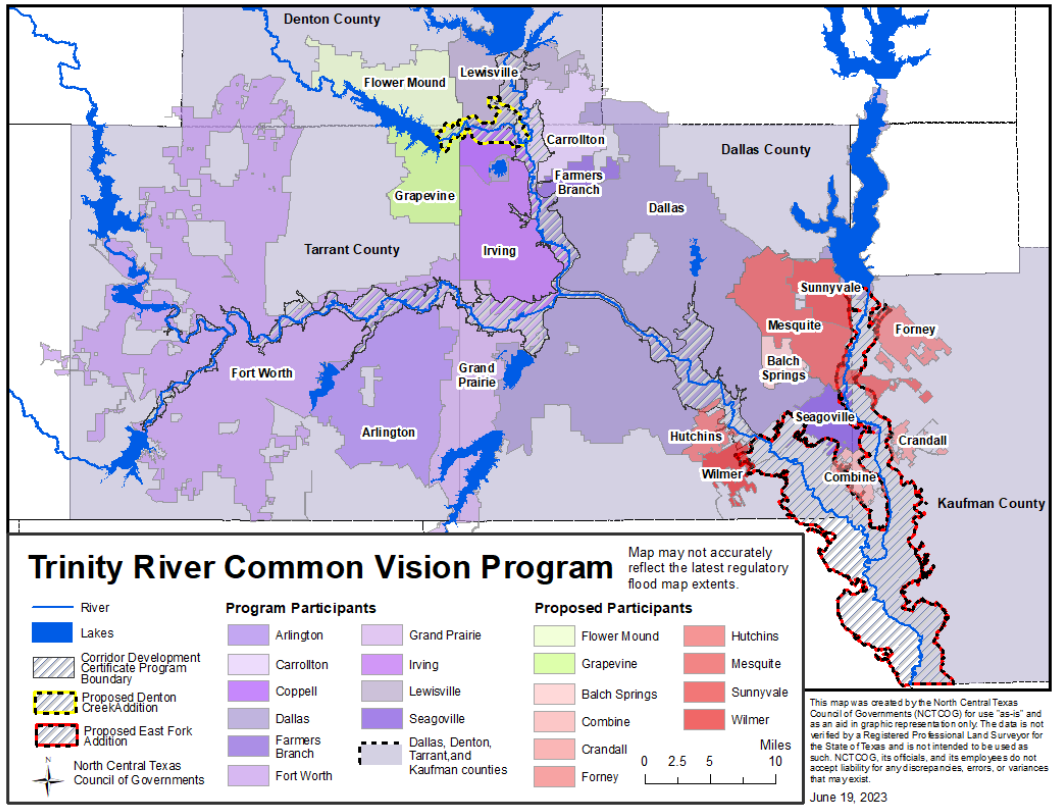
FY2025 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- NCTCOG and NFIP-CDC Model Consolidation Team working to consolidate the draft documents into the manual.
- Next Steps
  - Provide the complete revised manual to FMTF for review
  - Address any comments and finalize the updated manual

FY2025 Trinity River Common Vision Work Program

East Fork/Denton Creek Update

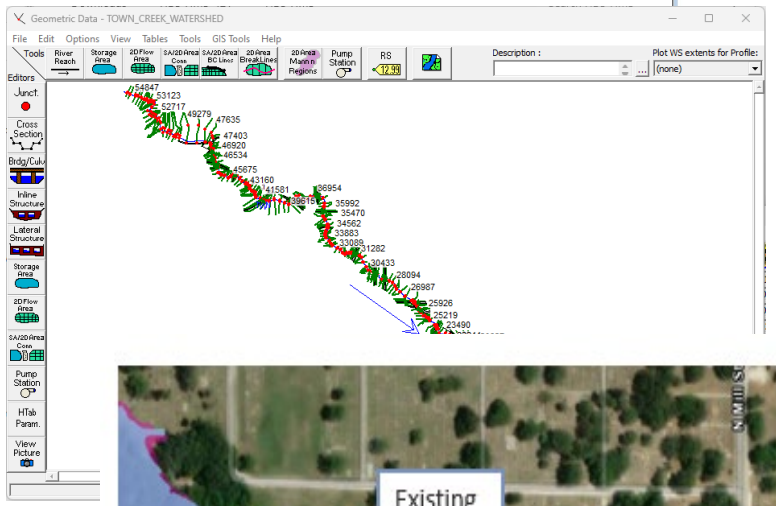


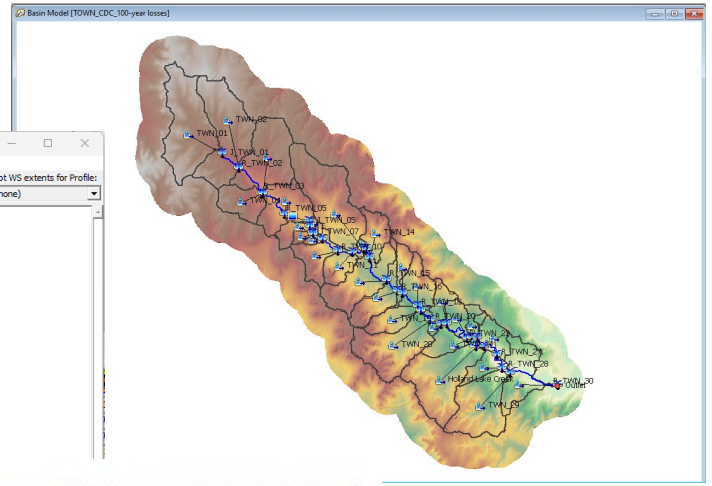
NCTCOG will re-launch outreach efforts when staffing improves

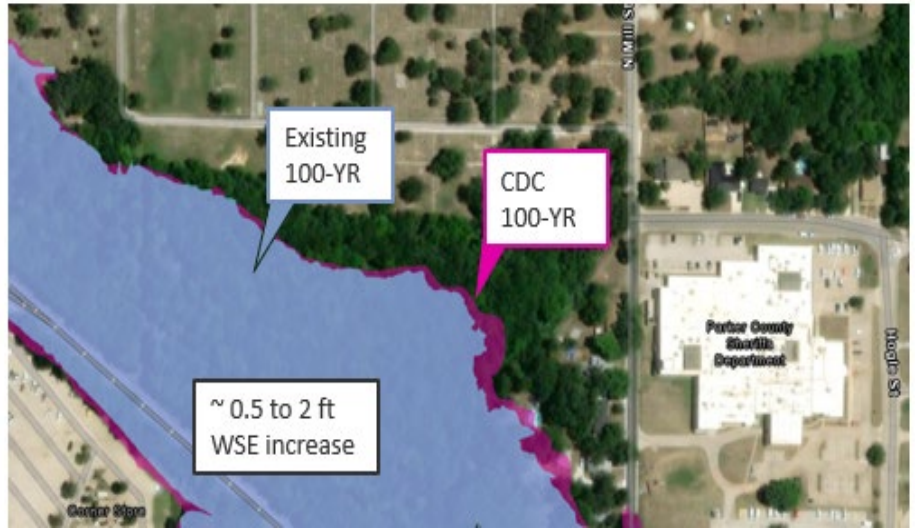
FY2025 Trinity River Common Vision Work Program

Pilot Expansion of CDC Program West

- USACE and NCTCOG are working with the City of Weatherford to conduct a pilot study for Town Creek.
- Next steps:
  - SPF hydrology, consolidated NFIP-CDC model for Town Creek, and inundation mapping as funding allows
  - Replicable guidance
  - Template USACE Floodplain management Services (FPMS) funding application







Legislative Tracking

Bill	Author	Topic	Status	Last Action	Related Bill
Water	Related:				
HB 310	Guillen | Buckley	Relating to the use of money transferred from the Texas water fund.	In House Committee	Left pending in House committee 3/12/24	-
HB 365	González, Mary | Harris | Walle | Guillen | Lopez, Janie	Relating to the authority of the Texas Water Development Board to provide financial assistance from the economically distressed areas account that is not required to be repaid.	Passed House, Senate Received	Bill Passed the House, Senate Received: 4/10/25	
HB 422	González, Mary | Harris | Walle | Guillen | Lopez, Janie	Relating to limitations on the issuance of bonds by the Texas Water Development Board for the development of certain projects in economically distressed areas.	Passed House, Senate Received	Bill Passed the House, Senate Received: 4/10/25	
HB 1177	Cunningham | Wharton	Relating to the creation of the criminal offense of diverting or impounding the flow of surface water in a manner that damages the property of another by the overflow of the water diverted or impounded.	In House Commiittee	Left Pending in House Committee 3/19/25	
HB 1344	Troxclair	Relating to prioritization of requests for financial assistance from certain fundsadministered by the Texas Water Development Board.	In House Committee	Referred to Natural Resources 3/10/25	
HB 1400	Harris | Troxclair | Jones, Venton	Relating to creation of the groundwater science, research, and innovation fund to be administered by the Texas Water Development Board.	In Senate Committee	Passed House Referred to Senate Water, Agriculture, and Rural Affairs: 4/16/25	SB 718 by Kolkhorst, Identical

Legislative Tracking

Bill	Author	Topic	Status	Last Action	Related Bill
Water	Related:				
HB 2015	Zwiener	Relating to the consideration of water conservation by the Texas Commission on Environmental Quality when determining whether to grant or deny a petition for the creation of a municipal utility district.	Passed House	Bill Passed House: 5/14/2025	SB 2887 by Cook, Identical
HJR 129	Hopper	Proposing a constitutional amendment requiring the board members of the Texas Water Development Board to be elected by the qualified voters at a general election instead of appointed by the governor.	In House Committee	House Referred to Natural Resources: 3/17/2025	Enabling legislation is HB 232
SB 480	Perry	Relating to the authority of a local government to enter into an interlocal contract with certain governmental entities to participate in water research or planning activities.	Bill Passed	Bill Passed House and Senate: 5/14/2025	HB 3383 by Canales, Identical
SB 526	Eckhardt	Relating to the use of green stormwater infrastructure in new state buildings.	In Senate Committee	Senate referred to Business and Commerce: 2/03/2025	
SB 1226	Hinojosa, Juan "Chuy"	Relating to the creation of certain regional conservation and reclamation districts.	In Senate Committee	Senate Referred to Water, Agriculture, & Rural Affairs 2/28/2025	HB 3363 by Canales, Identical
HB 2346	Zwiener	Relating to the adoption of a water conservation program by a county.	In House Committee	House Referred to Natural Resources: 3/14/2025	SB 2897 by Cook, Identical

Legislative Tracking

Bill	Author	Topic	Status	Last Action	Related Bill
Water	Related:				
HB 2815	Gerdes	Relating to the financing of water supply projects included in the state waterplan; authorizing the issuance of obligations.	In House Committee	Left Pending in House Committee: 04/09/2025	SB 1261 by Perry, Identical
HB 3315	Harris	Relating to the permissible uses of the Texas water fund.	In House Committee	House Referred to Natural Resources: 03/21/2025	1289 by Perry, Identical
HB 3316	Harris | Troxclair | Jones, Venton	Relating to the redesignation of the State Water Implementation Fund for Texas Advisory Committee as the Texas Water Fund Advisory Committee, the abolition of the Texas Infrastructure Resiliency Fund Advisory Committee, and the composition and functions of the Texas Water Fund Advisory Committee.	In House Committee	House Referred to Natural Resources: 03/21/2025	SB 1288 by Perry, Identical
HB 3628	Villalobos	Relating to the review and updating by the Texas Water Development Board of guidance principles and rules related to certain plans adopted or approved by the board.	Out of House Committee	House Laid on table subject to call 5/05/2025	SB 1268 by Blanco, Similar
HB 3830	Curry	Relating to a franchise tax credit for certain watershed protection activities.	Out of Committee	Placed on General State Calendar: 05/14/2025	
HB 4135	Zwiener	Relating to the regulation of stormwater management by certain counties.	In House Committee	Left Pending in House Committee: 04/09/2025	B 1669 by Zaffirini, Identical

Legislative Tracking

Bill	Author	Topic	Status	Last Action	Related Bill
Water	Related:				
HB 4329	Lopez, Janie | González, Mary | Longoria | Guerra | Martinez	Relating to a study by the Texas Water Development Board of factors that affect the costs of developing drainage infrastructure in this state.	Passed House	Passed House, Senate Received : 05/12/2025	
HB 5518	Darby	Relating to the procedure for action on certain applications for an amendment to a water right.	In House Committee	House referred to natural resources: 04/07/2025	

Legislative Tracking

Bill	Author	Topic	Status	Last Action	Related Bill
Development and Zoning Related:					
HB 282	Vasut	Relating to the authority of certain counties and municipalities to regulate certain subdivisions in a municipality's extraterritorial jurisdiction.	In House Committee	Referred to Land & Resource Management 2/27/2025	
HB 1322	Hopper	Relating to municipal approval of subdivision plans or plats in certain municipalities.	In House Committee	Left pending in House committee: 04/03/20025	
HB 1742	Hickland	Relating to protesting changes to municipal zoning regulations andboundaries.	In House Committee	House referred to Land and Resource Management: 3/14/2025	
HB 2025	Tepper	Relating to the filing for record of a plat, replat, or amended plat or replat of a subdivision of real property or a condominium.	In Senate Committee	Passed House, Senate Scheduled for public hearing: 05/15/2025	
HB 2384	Guillen | Troxclair	Relating to county regulation of subdivisions and approval of subdivision plansor plats.	In House committee	House referred to Land and Resource Management: 3/14/2025	SB 325 by Perry, Identical
SB 325	Perry	Relating to county regulation of subdivisions and approval of subdivision plansor plats.	In Senate Committee	Senate Co-Authored Authorized: 05/01/2025	HB 2384 by Guillen, Identical

FY2025 Trinity River Common Vision Work Program

FY 2026 Work Program Discussion

- **Coordination for Flood Science Training** – details added to training description
- **Monitor Adopted Legislation** – changed from adopting a legislative agenda
- **Participation in the Model Consolidation Committee** – updated to reflect progress made in past year
- **East Fork and Denton Creek Integration** – modified to clarify name of dam and add main stem
- **Support Participation in the FEMA Community Rating System (CRS)** – added to support CRS Users Group and multi-jurisdictional Program for Public Information
- **Ensure Functionality of the Trinity River CDC Website (www.trinityrivercdc.com)** – Revised to reflect website has been migrated
- **Cost Summary** – relocated language and will include total acreage.
- **Minor edits throughout**

Link to Draft FY 2026 Work Program

FY2025 Trinity River Common Vision Work Program

Cost Share Advance Notice

- No change in cost shares for FY 2026
- NCTCOG issued advance email notice of cost shares in March 2025 to assist with budgeting
- Has everyone received this?

5. Other Program-Related Efforts

Other Program-Related Efforts

North Texas Floodplain Administrators/CRS Users Group

- **L0278 NFIP – CRS Course**
  - **Monday, August 11 – Thursday, August 14**
  - **Prerequisites: CFM, L0273 course, or >2 years relevant experience**
  - **Only a few spots remain**
  - **Unofficial registration is open at https://www.surveymonkey.com/r/NYKVPZ8**
  - **Contact Erin Blackman, eblackman@nctcog.org**

Other Program-Related Efforts

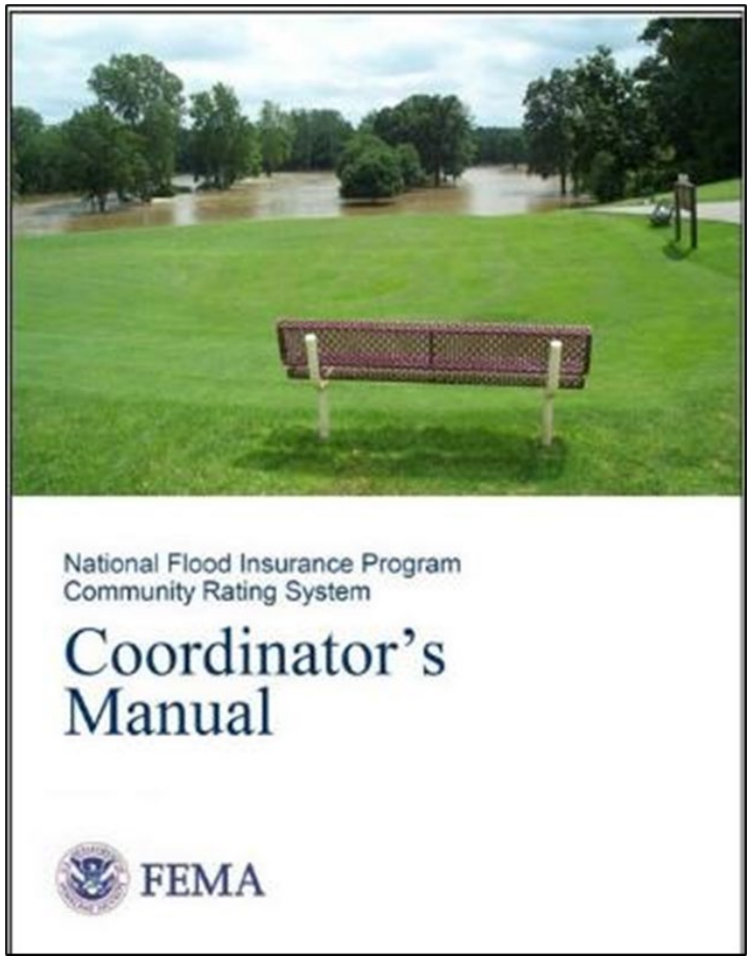
North Texas Floodplain Administrators/CRS Users Group

- **Multi-Jurisdictional Program for Public Information**
  - **Jurisdictions have expressed interest**
  - **For more information:**
    - **Developing a Program for Public Information for Credit under the Community Rating System of the National Flood Insurance Program**
    - **Ex. Lee County (Fla.)**
    - **Ex. Hillsborough County (Fla.)**

Other Program-Related Efforts

L0273 Managing Floodplain Development Through the NFIP Course

- Class Monday, October 6 – Thursday, October 9
- Exam Friday, October 10
- Registration opens this summer
- Contact Erin Blackman, eblackman@nctcog.org



Other Program-Related Efforts

Integration of Transportation and Stormwater Planning

Community Site Visits

North Central Texas Council of Governments

TSI integrating Transportation & Stormwater Infrastructure

LOCAL GOVERNMENT FAQ

What is the integrated Transportation and Stormwater Infrastructure (TSI) study?

This planning study coordinates transportation planning, stormwater management, and environmental planning to mitigate flooding risks and optimize infrastructure while supporting sustainable development. The study will recommend tools and best practices to address community health, safety, and growth. The study is led by the North Central Texas Council of Governments with support from local, state, and federal partner agencies.

How will the study help protect the safety of people and property in my community?

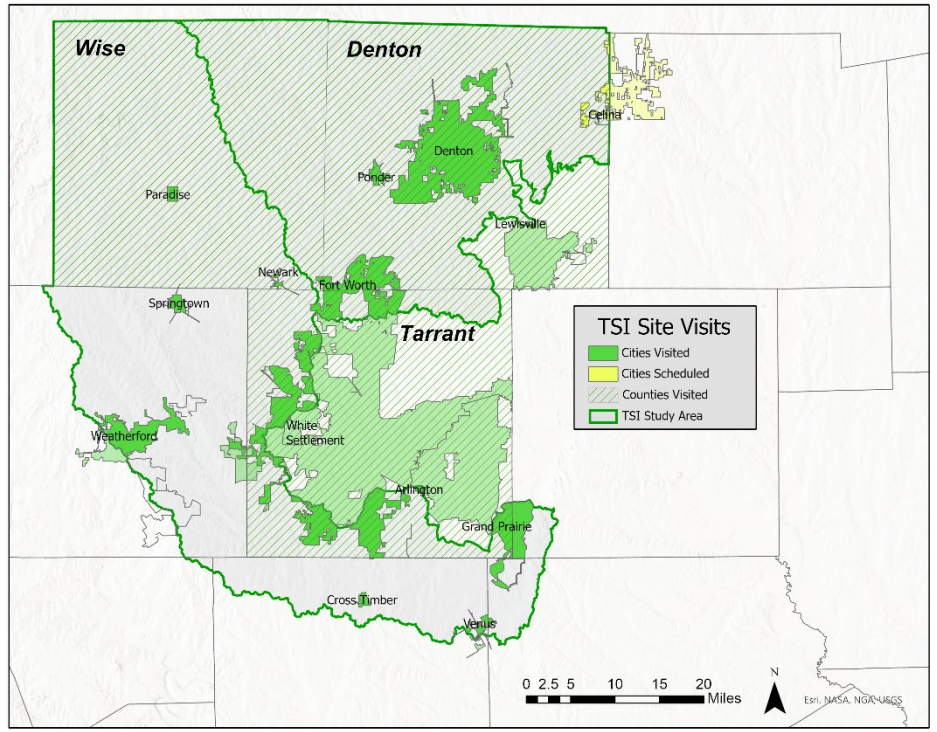
The TSI study will provide models of current and future flood risks and maps of potential locations for stormwater detention and green stormwater infrastructure. Additionally, the study will recommend strategies to improve the resiliency and siting of current and future transportation infrastructure. This will be accomplished using advanced hydrology and hydraulics modeling and future growth scenarios.

KEY TERMS

Community:
A local government or political entity that adopts and enforces ordinances, orders, or regulations applicable to the area under its jurisdiction.

Flood Warning Systems:
Systems that provide real-time data and alerts regarding flood risks. They are designed to monitor flood events, enabling communities to take timely actions to protect lives and property.

Green Stormwater Infrastructure:
Vegetation and soil systems that have been engineered to improve



To schedule a site visit, please email tsi@nctcog.org or kzielke@nctcog.org

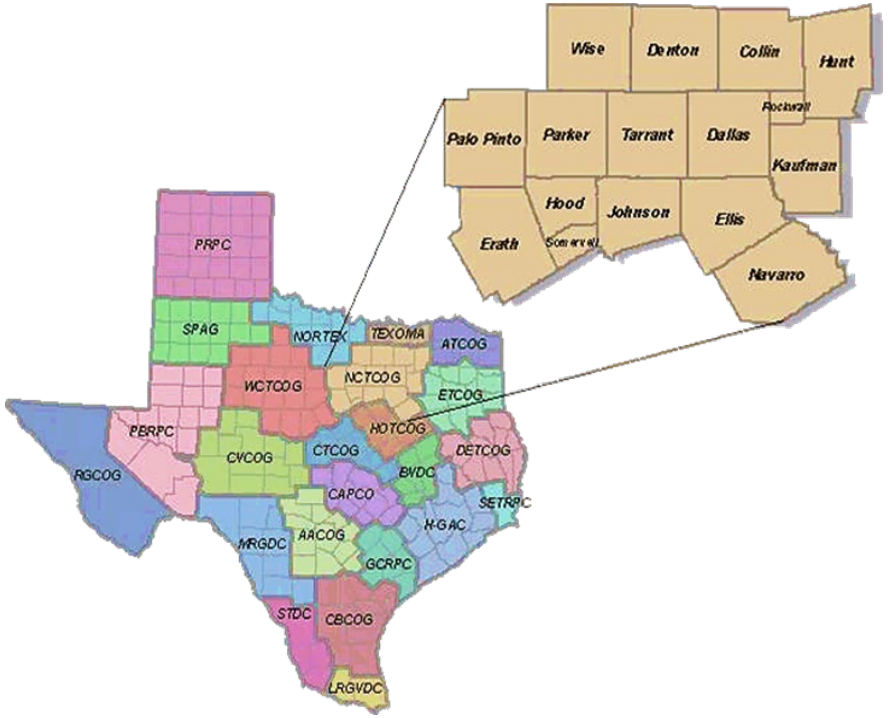
FAQ available at www.nctcog.org/tsi

Other Program-Related Efforts

Integration of Transportation and Stormwater Planning

County Watershed Workshop

- **New date: July 31, 1 p.m. – 4 p.m.**
- Hybrid – NCTCOG offices and Microsoft Teams
- Topics:
  - State code applying to counties; transportation, stormwater, floodplain management
  - Implementation from 2017 Menu of Regionally Recommended Standards in Watershed Management For New Development Within County Regulated Areas



For more information, please email tsi@nctcog.org or kzielke@nctcog.org

Other Program-Related Efforts

integrated Stormwater Management Program

- Last Meeting: April 30, 2025
  - Discussed next SW3P instructor
  - City of Denton presented on Stormwater Design Criteria Manual updates, prohibiting filter tube curb protection and rock sock inlet protection, and alternatives to grate inlet protection
  - Halff provided updates on FY25 task deliverables
- Next Meeting: July 15, 2025
  - Choose short-/long-term goals of iSWM manuals and website updates
  - Discuss and vote on FY26 work program

Other Program-Related Efforts

integrated Stormwater Management Program

FY25 Deliverables

1. Project Management and Support Services- Ongoing, extended to FY26
2. iSWM Implementation Guidance for Communities in Region- Completed, panel done
3. iSWM Promotional Presentations for Partnering Organizations- Ongoing, continuing to look for opportunities, extended to FY26
4. Stormwater Quality Monitoring Program Development for Existing iSWM BMPs- Ongoing, extended to FY26
5. Develop Technical Case Studies- Ongoing, extended to FY26
6. Website Updates- NCTCOG staff will take over this task
7. Guidance or Training on Temporary Sediment Basins- Completed and submitted
8. Guidance on Pipe Utility Crossings- Completed and presented
9. Expanded Use of Trees in Detention Ponds- Completed and submitted

Other Program-Related Efforts

Annual Public Works Roundup

- Thursday, September 4, 2025
- Hurst Conference Center
- Call for Sponsors – Open
- Call for Presentations – Open
- Registration will open in June
- More information:

  https://www.nctcog.org/envir/public-works/annual-public-works-roundup

6. CDC Applications

CDC Applications

Updates Since FMTF Meeting on 2/21/2025

New CDC Applications

- ARL 04012025-1 (CDC-100) – **comment period open**
- FW 030625-1 (CDC-99) - **exemption**

Technical Review Under Progress

- IRV 101724-1 (CDC-97)
- ARL 05172024-01 (CDC-91)
- DC 01032024 (CDC-87) – Has status not been updated in QNTRL?

Permits Issued/Meets Criteria

- FW 012225-1 (CDC-98)
- DAL 12202024-1 (CDC-95) → Requires upload of Final Action Form to change status to Permit Issued

Exemptions

- FW 030625-1 (CDC-99)
- FW 021225-1 (CDC-98)

Any projects in Qntrl whose status needs to be updated?

During the Roundtable, please share any new CDC applications you anticipate being submitted.

Trinity COMMON VISION

CDC Applications

Inventory of Users

Seeking to remove outdated users. Please review the current list:

USACE	**Fort Worth**
Arlington	
Carrollton	
Dallas	
Farmers Branch	

CDC Applications

Inventory of Users

Seeking to remove outdated users. Please review the current list:

Grand Prairie

Irving

Lewisville

Seagoville

Dallas County

Denton County

Kaufman County

Tarrant County

TRWD

TRA

7. Website Updates

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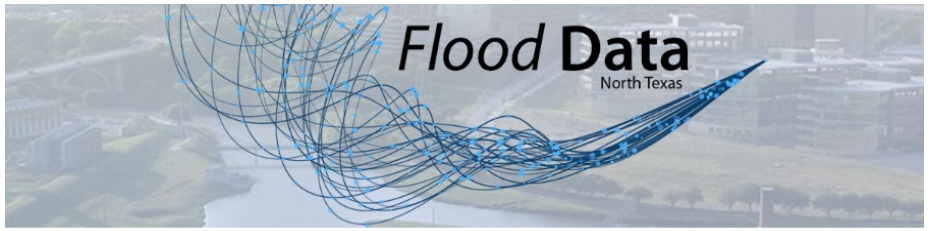
COMMON VISION

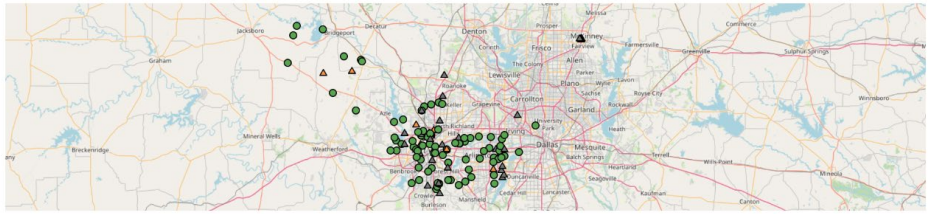
Website Updates

Flood Data NTX

The website is back online, https://www.flooddatantx.com/



OneRain Forecast Map



HydroLynx

HydroLynx Systems, Inc. manufactures real-time data telemetry systems. HydroLynx systems provide customers with accurate and timely hydrological data, allowing customers to make decisions that protect lives and property in their communities. Building on the many years of experience as leaders in the ALERT and IFLOWS flood warning systems industry, HydroLynx's state-of-the-art equipment allows them to offer Supervisory Control And Data Acquisition (SCADA) systems among their extensive customer base which includes federal, state, and local government agencies, as well as many agencies in foreign countries.

Visit HydroLynx

OneRain

OneRain, an AEM brand, provides advanced flood early warning management through the AEM Elements™ 360 application. Integrating diverse data sources – from rainfall sensors and stream gauges to gauge-adjusted radar rainfall (GARR) and inundation maps – the software serves as a command center for enhanced situational awareness. Customizable, interactive dashboards, maps, and graphs give agencies a clear view of evolving conditions for timely, informed responses. Automated alerts ensure critical information reaches teams precisely when needed. By streamlining data sharing and enhancing collaboration, AEM Elements 360 enables agencies to make faster, more effective flood risk management decisions.

Visit OneRain

TriLynx

TriLynx utilizes NovaStar5, which is recognized as the industry leader for real-time hydrological data collection, management, and notification. TriLynx staff are experts at installing and supporting NovaStar5 and lead several organizations in the development of and use of water resources software tools. Along with the integration of ALERT/ALERT2 field equipment and telemetry systems, TriLynx will continue to lead WET parallel to TriLynx. TriLynx continues to reach out to existing clients to collect feedback on the NovaStar5 product, to continue providing excellent client service and enhance current and future products.

Visit TriLynx

Website Updates

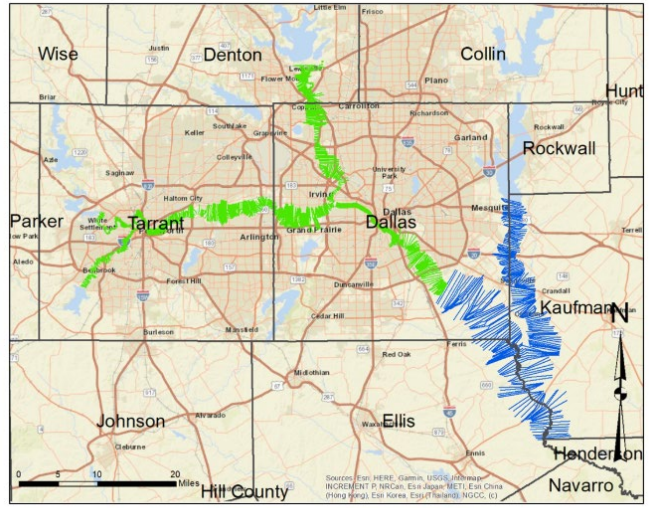
CDC Pages Revised

Corridor Development Certificate Program

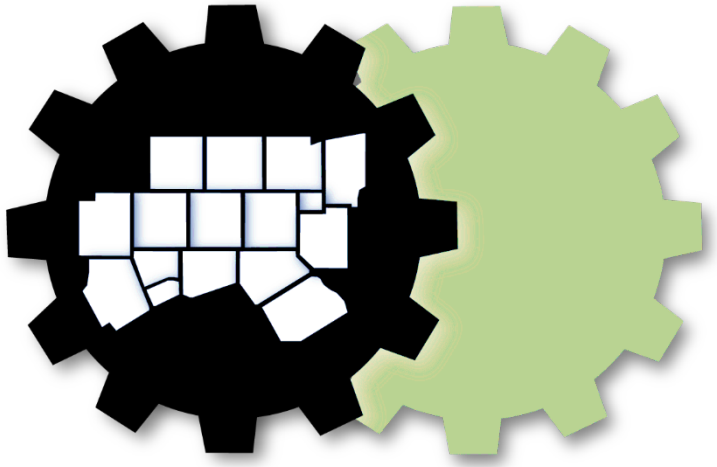
- https://www.nctcog.org/envir/watershed-management/corridor-development-certificate-program
- Overview of program
- Flyer
- Manual
- Application checklist, flow chart, etc.
- FAQ

Trinity River Corridor Development Certificate

- https://www.nctcog.org/envir/watershed-management/corridor-development-certificate-program/trinity-river-corridor-development-certificate
- Qntrl login link
- Models
- Map of NFIP-CDC model extents



NFIP-CDC Model Extents



8. Roundtable

Trinity
COMMON VISION

Roundtable Items from TFMA

- TFMA's Flood Awareness Week is May 19-23 and Wear Blue Wednesday is Wednesday, May 23.
- TFMA Technical Summit will be held in San Antonio from August 26 through 29.
  - The abstracts are in review now.
  - The registration will open in early June.

9. Upcoming Meeting

August 15, 2025

9:30 AM

Format TBD

Contact

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North Central Texas Council of Governments
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