



NORTH AND CENTRAL WATERSHEDS

2019 - 2021

Watershed Characterization
Phase I

Lead: UTRGV

Objective: Identified Watershed Boundaries and potential sources of pollution

2022 - 2025

Watershed Characterization
Phase II

Lead: RATES Inc. (Data Collection)

Objective: to assess watershed conditions and pollution sources to support data-driven water quality management, stakeholder engagement, and the development of effective watershed protection strategies.

Project in Kind: Stormwater Taskforce, Community Outreach (MOA): Ex. Voluntary Time/Labor, Facilities, Equipment, Materials, Supplies, Food for Outreach Events

2024 - 2027

Partial Watershed
Protection Plan Phase I

Lead: RATES Inc. (Data Collection)

Objective: to address specific water quality concerns within a defined portion of a watershed by identifying pollution sources, engaging stakeholders, and outlining targeted, science-based management strategies to improve and protect water quality.

Project sub-contractor: Stormwater TaskForce \$90K (\$30K per year)

Project in Kind: Stormwater Taskforce, Community Outreach (MOA)

2027

Final Watershed Protection
Plan

Future Funding Project

PHASE I PARTIAL WATERSHED PROTECTION PLAN GOAL

Extend Phase II Lower Rio Grande Valley-North and Central (N&C) Watershed Characterization. Provide a combination of continuous and event-based monitoring (modeled after Lower Laguna Madre-Brownsville Ship Channel Watershed Protection Plan).

RTHS - stream monitoring:

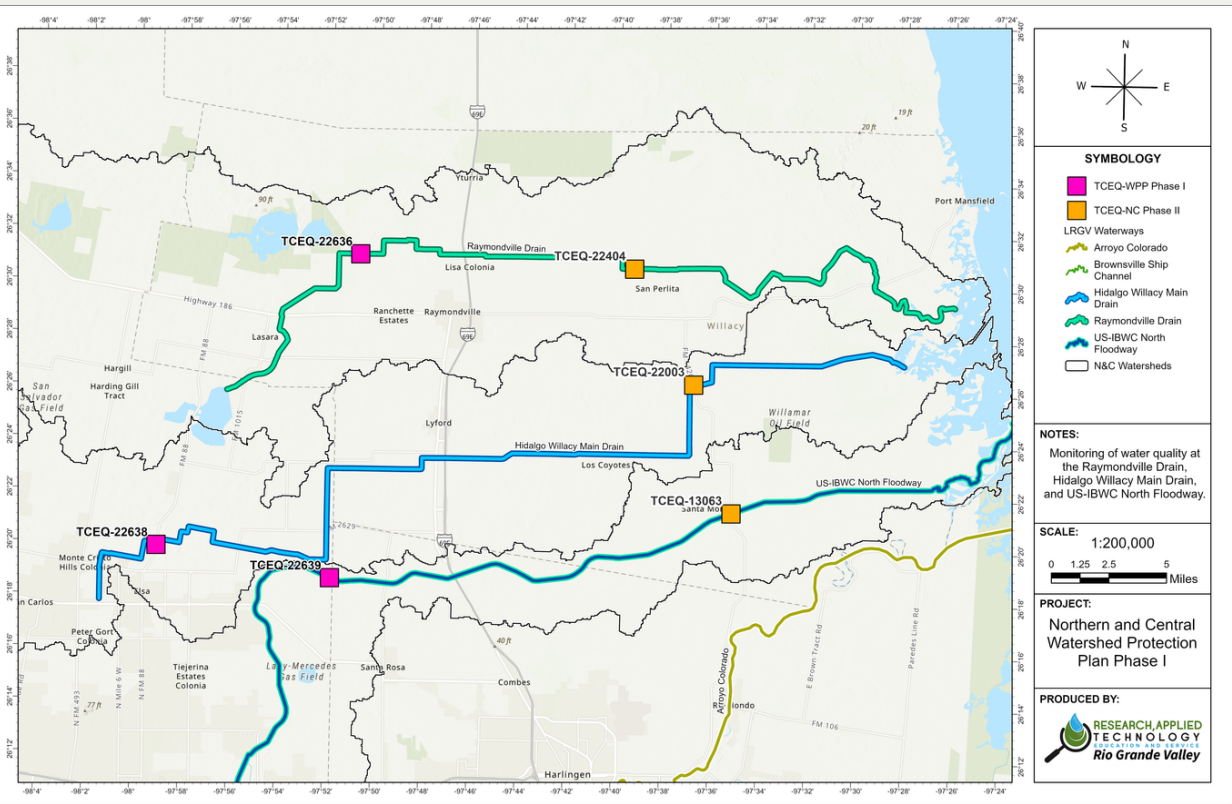
Leverages 6 monitoring stations commissioned by Texas Water Development Board-Fresh Water Flows:

- SWQM 22404 - Raymondville Drain
- SWQM 22003 - Hidalgo-Willacy Main Drain
- SWQM 13036 - USIBWC North Floodway
- SWQM - 22636
- SWQM - 22638
- SWQM - 22639

Quarterly - water quality and hydrodynamic measurements

- DO, Water Temp, Conductivity, pH, Nitrate/Nitrite, Total Phosphorus, TKN, and *E. coli*
- ADCP discharge transects and flow measurements to develop discharge rating curves as a function of stage height
- Continuous data:
 - Water quality
 - Stream stage height

Location of the stations



PROJECT STATUS:

- **N&C Phase I Partial Watershed Protection Plan:** Team working on QAPP Amendment to include SWQMIS IDs for new monitoring stations.
- **N&C Phase II Watershed Characterization:** Team working on Draft Water Quality Data Collection Report and Data Analysis Report. Re-install SWQMIS station 13036 on the IBWC North Floodway.
- **Next Meetings:** To be announced



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DELIVERABLES (FY26Q3)

- QPR (FY26Q3)
- Invoice (FY26Q3)
- Quarterly Call Notes (FY26Q3)
- Draft Monitoring QAPP Revision 1
- Monitoring QAPP R1 Annual Review and Revision Year 2of3
- Final updated Public Participation plan
- Documentation of data compilation and review
- Draft and Final E-Newsletters

Monitoring activities this quarter:

- Documentation of field monitoring readiness review before first sampling event.
- All field notes and instrument calibration sheets from first sampling event (within 30 days of event)
- Scheduled date of internal monitoring systems audit
- Documentation of routine sampling events, in PRs (1of6)
- Continuous water quality monitoring data submissions, with PRs (1of6)
- Documentation of service visits, including QA/QC data, data loss reports, and technician observations, minimum of two per quarter during monitoring (2of12)

SCAN TO ACCESS:



RTHS Data:
Continuous water quality monitoring and stage height data available.



Stakeholder Input Survey:
The goal is to calculate E. coli (Bacteria) daily loads.



Stakeholder Sign-up Form: Engages stakeholders (e.g., landowners, farmers, local government) in WPP development, meeting TCEQ and EPA requirements for Section 319 projects.

28th Annual Stormwater Conference, South Padre Island, TX

Our team had the opportunity to present about active projects that are relevant to our stakeholders and city representatives, such as North and Central, Lower Laguna Madre - Brownsville Ship Channel, and CMP-27. We are so thankful to have participated and for the networking opportunities in the conference!

Look through our social media to find out more about it!

In coordination with regional partnerships:

