

# 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).

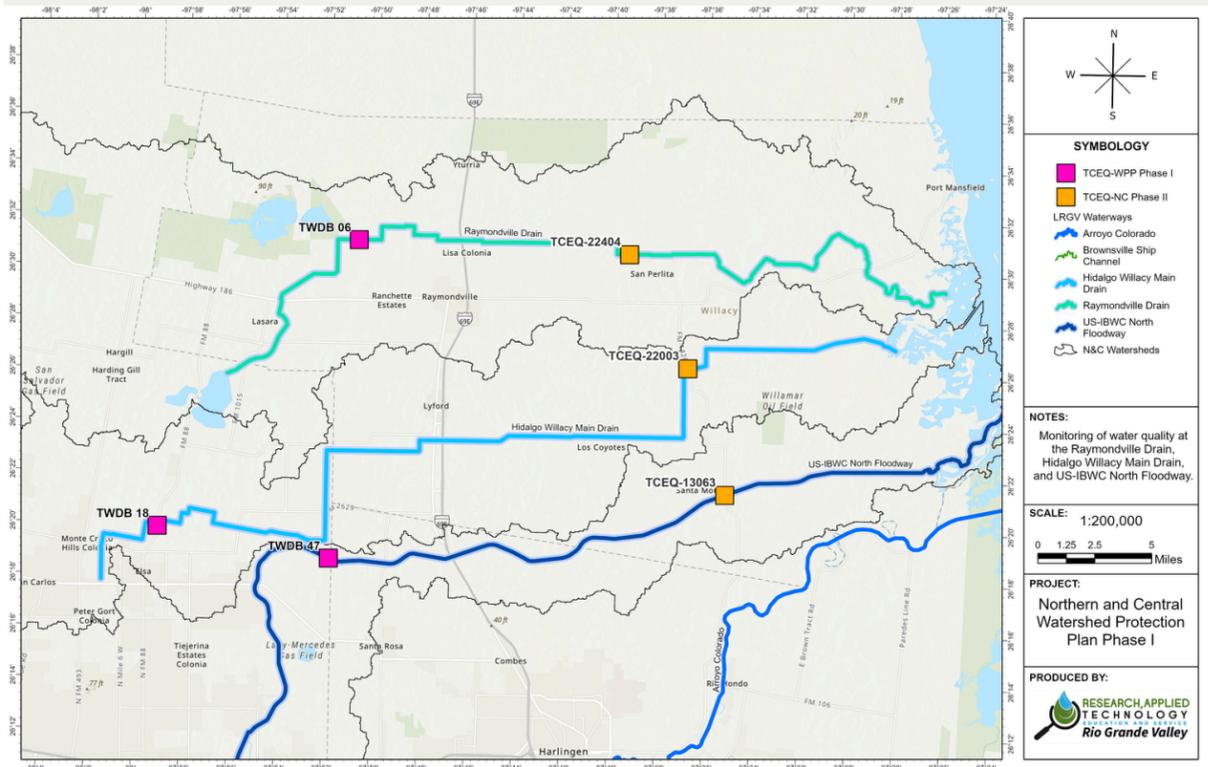
#### RTHS - stream monitoring:

Leverages 3 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

#### 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



### 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:** TBA

### DELIVERABLES (FY26Q2)

- Draft E-Newsletter
- Final E-Newsletter
- Stakeholder list
- Invoice
- Documentation of data
- Compilation and review
- Quarterly Call Notes (FY26Q2)

### NEXT QUARTER ACTIVITIES

(March - May 2026)

QAPP Amendment approval and field activities commencement.

### SCAN TO ACCESS



#### RTHS Data:

Continuous water quality monitoring and stage height data available.



#### Stakeholder Sign-up Form:

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



#### Stakeholder Input Survey:

The goal is to calculate *E. coli* (Bacteria) daily loads.