Lower Laguna Madre Brownsville Ship Chanel Watershed Partnership

Technical Advisroy Committee Meeting
Thursday May 31st, 2018 10:00 am
Cameron County Annex
San Benito, Texas

Attendees:

Kim Jones	TAMUK
Brian Koch	TSSWCB (phone)
Jaime Flores	TWRI
Tim Cawthon	TCEQ (phone)
Daniel Hernandez	UTRGV/Cameron Co.
Raul Gomez	Cameron Co.
Mark Hiler	TCEQ (phone)
Jungseok Ho.	UTRGV
Jude Benavides	UTRGV
Andrew Ernest	UTRGV
Abdoul Oubeidillah	UTRGV
Augusto Sanchez	UTRGV, Cameron Co.

1. Introductions
2. Update on the QAPP.
    a. Monitoring sites

       Monitoring sites will be reduce from 4 to 3 sites. The two southernmost sites will be replaced by one sampling site on the ditch that passes by the Brownsville Landfill.

    b. Flow and Water Quality measurements (instrumentation)

       Instrumentation will change from no-contact surface water elevation meters to submerged pressure transducers equipped with GSM antennas connected to FTP servers.

    c. Frequency

       Remains the same: Five sampling events per site per year.
3. Models used in similar watersheds
    a. Double Bayou
    b. Attoyac Bayou
4. Considered Modeling Options and Discussion

   VIC:

   - It has a stream routing capability.
   - Capable of determining flows

- The spatial discretization is based on LiDAR data and can be done fairly quickly
- VIC and SELECT can be developed in parallel.

5. Determination of model(s) to use in the WPP.
   - VIC Modeling QAPP will be developed in June 2018.
   - VIC and SELECT will be used in this in the LLMBSC watershed
   - Resacas will not be included in the modeling effort due to its complexities and anthropogenic intervention.
   - Tidal Prism is proposed model for the ship channel.

6. Other
   - Explore the possibility to request new gauging station from USGS
   - The Watershed partnership should start thinking in post-implementation WQ monitoring
7. Adjourn