34th ANNUAL SWQM WORKSHOP
October 28-30, 2020
First Ever Virtual Meeting

Thursday, October 29 (main meeting link)

8:00 **Welcome & Housekeeping** – Sarah Whitley, SWQM CO, TCEQ

8:15 **Welcome & Updates** – Andrew Sullivan/Kyle Girten, SWQM CO, Monitoring and Assessment Section, TCEQ

8:30 **Day in the life of a SWQMite** – Scott Griffith and Doug Robinson, R10-Beaumont

8:50 **How clone can you go? Clonal diversity and seedbank density in the seagrass *Halodule wrightii*** – Dr. Patrick Larkin, TAMUCC

9:10 **Nonpoint Source Project Viewer** – Tim Cawthon, TCEQ NPS Program

9:30 **Status of the Tidal IBI Project** – Dr. Jennifer Pollack, TAMUCC

9:50 **BREAK**

10:00 **Equipment updates/news** – Chuck Dvorsky, SWQM CO, TCEQ

10:20 **Special updates and QA**

- **Procedures Manual –** Robin Cypher, SWQM CO, TCEQ
- **Biological monitoring (LDS, ALM, Seagrass) –** Sarah Whitley, SWQM CO, TCEQ

10:45 **Concurrent Sessions (separate meeting links)**

- **Online Demos**
    - **iNaturalist Demo –** Robby Deans, SWQM CO, TCEQ
    - **ArcGIS Online Demo –** Terra Lindgren, SWQM CO, TCEQ
- **SWQMIS Introductory Training: SWQM Regional Staff –** Lizeth Perez, DMA, TCEQ
- **SWQMIS Introductory Training: External SWQMIS Users & CRP Staff –** Sarah Kirkland, DMA, TCEQ

12:00 **Adjourn for the day**

Friday, October 30 (main meeting link)

8:00 **Day in the life of a CRP partner** – Leslie Grijalva, International Boundary and Water Commission (IBWC)

8:20 **Data Management Updates and Announcements** – Cathy Anderson, Data Management & Analysis, TCEQ

8:40 **Freshwater mussels I: Introduction to mussels** – Gary Pandolfi, USFWS

9:00 **Freshwater mussels II: Mussel taxonomy updates and changes** – Matt Johnson, USFWS

9:20 **How data collectors continued/performed their monitoring during COVID-19**

- **Safety discussion (facilitated)**
- **Tips and tricks (audience participation)**

10:00 **BREAK**

10:10 **Panel Discussion: How to pass down knowledge, experience and wisdom after a long-term employee has left**

11:10 **Concurrent Sessions (separate meeting links)**

- **Water Quality Sampling 101**
    - Routine monitoring overview – Robin Cypher, SWQM, TCEQ
    - Water sampling basics: collection procedures from waterbodies and buckets –
    - Pat Bohannon, SWQM, TCEQ
    - Flow basics: math, channel engineering, estimating severity – Laura Ryckman, SWQM, TCEQ
- **SWQMIS Advanced Training: Reports – Cathy Anderson, DMA, TCEQ**

12:30 **Adjourn**

Afternoon: Optional Session

1:30 **Additional SWQMIS Training** – Cathy Anderson will be available if there are additional questions or a need for more SWQMIS demos.