

**34<sup>th</sup> 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 Girtten, 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.