SWQM GIS Training for Regional Staff and Clean Rivers Program Partners

1-day course designed for beginner/intermediate users.

Date: March 6, 2017

Time: 9 a.m. to 3:30 p.m.

Location: Bldg B Room 201A, TCEQ Headquarters (12100 Park 35 Circle, Austin, TX)

       --OR--

   Join us by Skype

Overview: The GIS training course is hosted by TCEQ Surface Water Quality Monitoring (SWQM) and focuses on the software, skills, analyses, and data most relevant for water resource professionals. Experts from TCEQ, Texas Parks and Wildlife, and other organizations will present on a GIS skill, concentrating on applied examples, ranging from basic to advanced skills.

While the training will primarily use Google and ArcGIS products, no familiarity with GIS software is necessary. There will be no exercises or workbooks to complete for this training, but step-by-step demos and examples will be provided.

Agenda:

9:00 – Introduction

9:10 – GIS Data Sources: Where to find data to see where you are going– Laura Ryckman, TCEQ

9:25 – Collector for ArcGIS: Setup and Best Practices – Stephanie Long, TPWD

9:40 – Advanced Cartographic Techniques – Rebecca Broadbent, GIS specialist w. Structure Development

10:10 – Ensuring Data Quality – Conrad Schaefer, TCEQ

10:30 – Break

10:40 – How to Create a New Segment from the National Hydrography Dataset (NHD)– Pat Bohannon, TCEQ

11:00 – Introduction to Tools in ArcGIS – Daniele Baker, TCEQ

11:30 – Lunch

12:30 – Delineating Watersheds – Daniele Baker and Jason Godeaux, TCEQ

1:00 – Stream Tracing Using the National Hydrography Dataset (NHD) – James Stapel, TCEQ

1:30 – Break

1:40 – Watershed Characterization – Sarah Whitley, TCEQ

2:10 – Instream Habitat Mapping – Karim Aziz, TPWD

2:40 – Spatial Analysis 101 – Megan Brown, TCEQ