

Update on Gulf Coast Aquifer System Groundwater Availability Model (GAM) for Groundwater Management Areas 15 and 16

Goliad, Texas

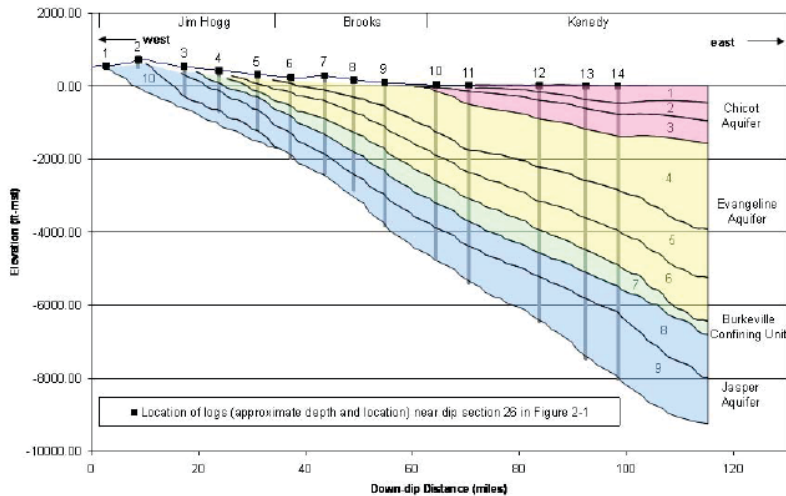
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Outline

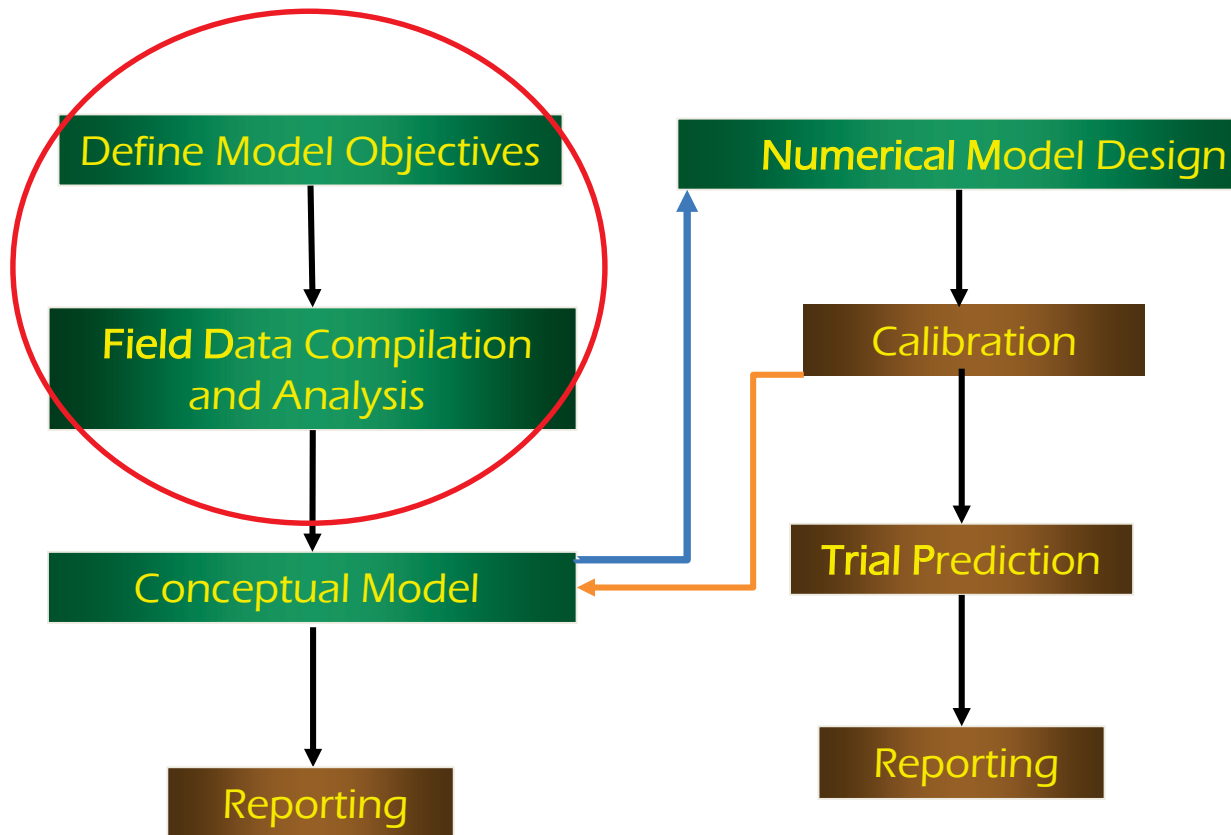
- Introduction to Project Team
- Project Status
- Schedule



Project Team

- Jerry Shi, Ph.D., P.G.
 - Project Management
 - Modeling
- Roberto Anaya, P.G.
 - Framework Analysis
 - GIS Support
- Radu Boghici, P.G.
 - Water Quality
 - Geology and Data Analysis

Flow Chart of Project



Major Components of Conceptual Model

- Purpose (done)
- Geology of Study Area (done)
- Previous Investigations (done)
- Hydrogeology
 - Framework (in progress)
 - Groundwater Levels and Flows
 - Recharge
 - Surface Water
 - Hydraulic Properties (in progress)
 - Aquifer Discharge
 - Groundwater Quality
- Conceptual Model/Source Data/Reporting

Data Request

- Any Documented Data Free to Public
 - Water Levels
 - Flow Measurements
 - Pumping Tests
 - Pumping Information
 - Recharge
 - Stream Gain/Loss Study
 - Others
- **Date Request by: End of 2018**

Tentative GAM Schedule

- ❖ Project Start – April 2014
- ❖ Stakeholder Advisory Forum # 1: June 2014
- ❖ Stakeholder Data Submission – December 2014

- ❖ Project Team Reassigned – September 2017
- ❖ Conceptual Model/ Draft Report Available for Public Review/Stakeholder Advisory Forum #2 – Spring 2019
- ❖ Numerical Model/Draft Report Available for Public Review/Stakeholder Advisory Forum #3 – Summer 2020
- ❖ Finalize Project – Summer to Fall 2020

**This presentation will be posted on
TWDB website**

**Thank You
Questions?**

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GAM Purpose

- ❖ Estimate Desired Future Conditions and Determine Modeled Available Groundwater
- ❖ GCD Management Plan
- ❖ Aquifer Storage