



TWDB Progress Report for Contract 2000012405

Date: 10/22/2020
To: Andrea Croskrey, Geoscientist Innovative Water Technologies (TWDB Project Manager)
Erika Mancha, Manager Innovative Water Technologies
From: Kristi Shaw PE (HDR Project Manager)
Subject: TWDB Contract 2000012405 Progress Report for Invoice #7 (Reporting dates 08/30/20 through 09/26/20)

Work Completed:

Task 1 - Literature Review

Subconsulting services (Collier Consulting): Summarizing aquifer characteristics for Texas major and minor aquifers for literature review. Services performed from 1/1/2020 to 2/29/2020.

Problems Encountered this period: None

Task 2 - Hydrogeological Parameter Screening

Subconsulting services (Collier Consulting) from 2/30/2020 through 8/01/2020 to include:

- *Collected hydrogeological parameters for aquifers for hydrogeological parameter screening. (Collier)
- *Participated in development of screening parameters and preliminary weighting. (Collier)
- * Coordination with teaming partners on mapping needs. (Collier)

Problems Encountered this period: None

Task 3 - Excess Water Screening

Subconsulting services (Collier Consulting and University of Texas- Bureau of Economic Geology) to include:

- *Evaluated excess groundwater availability for storage based on TWDB draft DB22. Services performed from 2/30/2020 through 8/01/2020. (Collier)
- *Supported team discussion on methodology to determine frequency, volume and distance parameters and weighting. Services performed from 2/30/2020 through 8/01/2020. (Collier)
- *Developed draft geodatabase including parameter and score for excess groundwater by aquifer and grid cell based on TWDB workshop outcome. Services performed from 2/30/2020 through 8/01/2020. (Collier)
- *Supported team in evaluating excess surface water availability for storage, including assimilating TCEQ WAM output in usable form for excess water screen. Services performed 6/1/2020 to 7/31/2020. (UT-BEG)
- *Supported team in evaluating excess reclaimed water availability for storage, including assimilating EPA ECHO output in usable form for excess water screen. Services performed 6/1/2020 to 7/31/2020. (UT-BEG)

Problems Encountered this period: None

Task 4 - Water Supply Needs Screening

No work completed in reporting period.

Problems Encountered this period: None

Task 5 - Final Suitability Rating

Received TWDB staff comments, addressed, and revised methodology and scoring accordingly.

Problems Encountered this period: None

Task 6 - Public Data Display

Subconsulting services (Floodace) for services performed from 6/1/2020 through 8/31/2020 to include:

- *Participated in team discussion to identify approach for presenting screening results. (Floodace)
- *Reviewed preliminary StoryMap from Cooper and provided comments to team. (Floodace)

Review of StoryMap within context to TWDB comments and coordination with Cooper for updates and revisions.

Problems Encountered this period: None

Task 7 - Draft and Final Report

Received TWDB draft report comments. Coordination call with TWDB staff to discuss and receive clarification.

Updated draft report based on TWDB comments received, including geodatabases.

Technical QC and formatting of final report.

Problems Encountered this period: None

Task 8 - Project Management



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Coordination with subconsultants. Project management.

Communication with TWDB staff to discuss progress, data requests, and other items as necessary. Preparation of detailed monthly progress report.

Problems Encountered this period: None