



TWDB Progress Report for Contract 2000012405

Date: 6/18/2020
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 #3 (Reporting dates 04/26/20 through 05/23/20)

Work Completed:

Task 1 - Literature Review

No work completed in reporting period.

Problems Encountered this period: None

Task 2 - Hydrogeological Parameter Screening

Preparation and participation in TWDB workshop on May 20, 2020 to discuss hydrogeological screening tool including parameters, weights, and scores for AR and ASR.

Follow-up discussion on AR approach and parameters to address TWDB comments.

Subconsulting services (GeoSystems Analysis) to include: review of initial aquifer recharge parameter ranking schema and team meeting.

Problems Encountered this period: None

Task 3 - Excess Water Screening

Continued development of detailed methodology to determine frequency, volume and duration for excess water available for storage for ASR or AR.

Developed proposed ranking and weighting of parameters to calculate excess water score.

Revised draft memo based on initial comments provided by TWDB staff.

Prepared and submitted draft geodatabase(s) and updated memo on May 21st for TWDB consideration to include method, list of parameters for screening, and proposed scoring and weighting for Excess Water (groundwater, reclaimed water, and surface/stormwater)

QC of preliminary results of excess groundwater geodatabase prepared by Collier.

Problems Encountered this period: None

Task 4 - Water Supply Needs Screening

Continued development of the water supply needs screening tool, including geodatabases focused on municipal, SE, and manufacturing needs.

Developed proposed ranking and weighting of parameters to calculate water supply needs score.

Prepared and submitted draft geodatabase(s) and updated memo on May 19th for TWDB consideration one week prior to workshop to include method, list of parameters for screening, and proposed scoring and weighting for Water Supply Needs screening. Prepared sensitivity analysis tool for workshop.

Problems Encountered this period: None

Task 5 - Final Suitability Rating

No work completed in reporting period.

Problems Encountered this period: None

Task 6 - Public Data Display

No work completed in reporting period.

Problems Encountered this period: None

Task 7 - Draft and Final Report

No work completed in reporting period.

Problems Encountered this period: None

Task 8 - Project Management

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