

PROGRESS REPORT

To: Olga Bauer, Work Order Project Manager, Texas Water Development Board

From: Daniel Lupton, Work Order Project Manager, INTERA

Date: April 22, 2021

Re: **TWDB Contract Number 2000012442 – Seismic Work Order**

Budget and Expenses

This report summarizes project activities and costs for the billing period of March 2021. The total billed expenses through March 31st are \$79,096.69. A budget breakdown by task is provided in Table 1 below. A copy of the progress report will be included in our monthly invoice being sent to the TWDB contracts department. The Work Order Notice of Proceed was signed on November 5th, 2020.

Task	Description	Budget	Invoices			Remaining Budget
			Current	Previous	Total	
1	Literature Review	\$ 10,000	\$ -	\$ 9,825	\$ 9,825	\$ 175
2	Seismic Data Vendor Review	\$ 10,000	\$ -	\$ 9,795	\$ 9,795	\$ 205
3	Data Quality and Limitations	\$ 20,000	\$ 2,760	\$16,920	\$19,680	\$ 320
4	Methodology for Application of Seismic data on Brackish Aquifers	\$ 40,000	\$10,260	\$ 7,350	\$17,610	\$ 22,390
5	Apply Methodology to an Aquifer Study	\$ 70,000	\$ 2,670	\$19,517	\$22,187	\$ 47,813
Total		\$ 150,000	\$ 15,690	\$63,407	\$ 79,097	\$ 70,903

Table 1. Project Budget Versus Expenses

Work Completed

This report summarizes activities on project tasks for March of 2021 and is the fourth contract progress report. Tasks 3 through 5 were active in the reporting period and had time billed to them. Tasks 1 and 2 are considered complete. Progress on those tasks will be summarized below.

Task 3 Data Quality and Limitations

Activity on this Task was related to implementing edits to the report provided by the BRACS Group. This Task is now closed.

Task 4 Methodology for Application of Seismic data on Brackish Aquifers

Activity on this Task was the development of an approach for the characterization of the seismic process within the state of Texas. The included the development of a writup and an associated

workflow diagram explaining the various aspects of a typical seismic study. Additional work on this task was related to the development of an aquifer by aquifer analysis of the potential to incorporate available seismic data into the study. We are approximately 50% complete with this task.

Task 5 Application to an Aquifer Study

Activity on this Task involved continued review of the Stratton dataset and available BRACS Gulf Coast data. We have received data products back from Tricon and are have spent time QA/QCing the work products. We are approximately 35% completed with this Task.

Problems Encountered to Date

To date no problems or issues have been encountered affecting execution of the scope of work.