

PROGRESS REPORT

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

From: Daniel Lupton, Work Order Project Manager, INTERA

Date: June 21, 2021

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

Budget and Expenses

This report summarizes project activities and costs for the billing period of May 2021. The total billed expenses through May 31st are \$117,748.98. 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	\$ -	\$ 9,945	\$ 9,945	\$ 55
2	Seismic Data Vendor Review	\$ 10,000	\$ -	\$ 9,975	\$ 9,975	\$ 25
3	Data Quality and Limitations	\$ 20,000	\$ -	\$ 19,980	\$ 19,980	\$ 20
4	Methodology for Application of Seismic data on Brackish Aquifers	\$ 40,000	\$ 1,740	\$ 35,710	\$ 37,450	\$ 2,550
5	Apply Methodology to an Aquifer Study	\$ 70,000	\$ 7,655	\$ 32,745	\$ 40,400	\$ 29,600
Total		\$ 150,000	\$ 9,395	\$ 63,407	\$ 117,750	\$ 32,250

Table 1. Project Budget Versus Expenses

Work Completed

This report summarizes activities on project tasks for May of 2021 and is the fifth contract progress report. Tasks 4 and 5 were active in the reporting period and had time billed to them. Tasks 1, 2 and 3 are considered complete. Progress on those tasks will be summarized below.

Task 4 Methodology for Application of Seismic data on Brackish Aquifers

Activity on this Task was including addressing edits received following submission of Task 4 at the end of April. The edits included changes to the aquifer figures, inclusion of seismic speed on the aquifer summary table, and amendments to the workflow section, among other edits. This Task is considered 98% complete. The remaining task is adjustments to the metadata of the ArcGIS shapefiles.

Task 5 Application to an Aquifer Study

Activity on this Task was related to seismic processing and interpretation as well as writing the draft report for this Task. INTERA provided supervision and instruction to Tricon for the seismic processing, keeping a record of processing steps performed. Both conventional and unconventional seismic interpretation was complimented by progress made by Tricon. Further work was performed on integrating the completed seismic volumes to regional geology and previous literature. Writing of the Task 5 section of the report was initiated. We are approximately 80% finished with this task.

Problems Encountered to Date

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