



Daniel B. Stephens & Associates, Inc.

MEMORANDUM

TO: Jean Broce Perez, Hydrologist II, Conservation and Innovative Water Technologies

FROM: Neil Blandford, Principal Hydrologist, Daniel B. Stephens & Associates, Inc. *T.N.B.*

DATE: May 20, 2016

SUBJECT: Progress Report for TWDB Contract No. 1600011948, Identification of Potential Brackish Groundwater Production Areas - Blaine Aquifer

Work Completed

Task 1: Completed contracting with TWDB and project subcontractors. Monitored project progress through calls and meetings.

Task 2: In process.

Task 3: Obtained TWDB and TDLR well and reference GIS datasets for project area; obtained BEG driller's reports and scout tickets for project area; researched API numbers and well data; constructed TWDB water quality data set; analyzed and correlated BEG drillers reports and scout tickets; identified cavities from well logs; initiated development of GIS geologic surfaces; compiled existing reports with structure contour surfaces; developed initial water level elevation contour map ; evaluated overall geologic framework of Blaine Aquifer system

Task 4: Initiated development and identification of irrigated areas, public water supply wells and protected area datasets to identify regions that will not be considered for development.

Task 5: No activity

Task 6: No activity

Problems

No problems to report at this time.