



LBG-GUYTON ASSOCIATES PROGRESS REPORT

DATE: May 11, 2016
TO: Matt Webb, Hydrologist, Conservation & Innovative Water Technologies
FROM: Kristie Laughlin, P.G. and James Beach, P.G.
SUBJECT: TWDB Contract No. 1600011951
 Blossom Aquifer – Potential Brackish Groundwater Production Areas

Work Completed

The time period covered by this progress report is from the date of contract execution through the end of the month, (April 11- 30, 2016). LBG-Guyton (LBG) acquired both geophysical and water quality data from numerous sources.

TASK 1 PROJECT MANAGEMENT

LBG set up a digital filing system for the Blossom Aquifer geophysical logs and water quality data and converted the project schedule to a Gannt format (attached).

TASK 2: DATA ACQUISITION

LBG searched publicly-available data sources for geophysical log data and water quality data. Blossom well reports were also downloaded. The results of these efforts are detailed in Table 1.

Table 1. Blossom Aquifer Data Sources

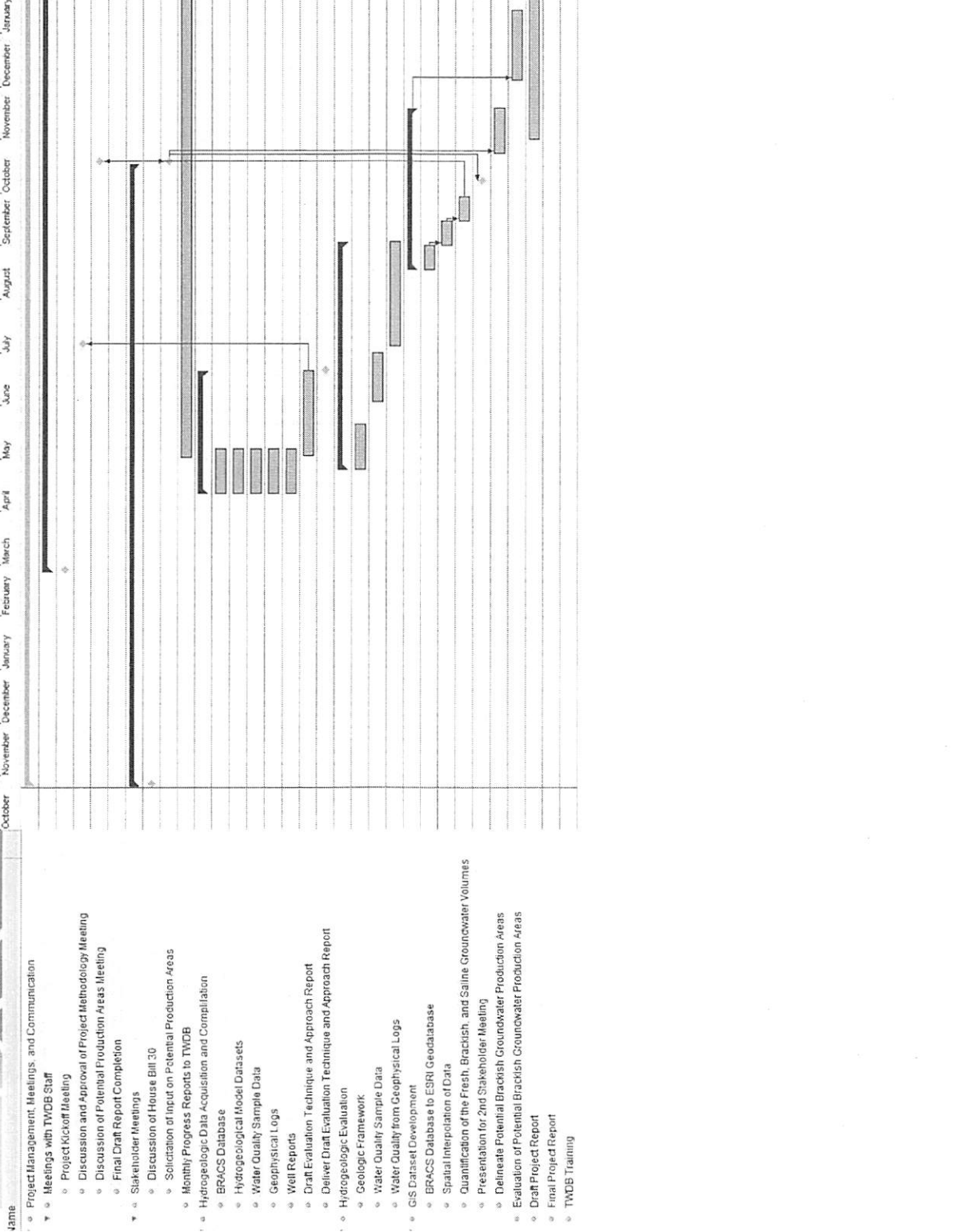
Data Type	Data Source	Search Date	Search Results	Comments
Logs	RRC O&G	Apr-16	7 logs	Log tops range from 0 to 700 - all of which have logged the Blossom
Logs	RRC GAU	-		see Bracs log data
Logs	BEG IGOR	Apr-16	29 with tops <250 ft	downloaded available logs, created shp, no logs requested yet, closer look needed at the 29 locations if needed
Logs	TWDB BRACs	Apr-16		175 (processed) logs
Logs	WFG Log Library	Apr-16	3 found in Red River	see catalog of WFG elogs from GMA-8 NTGAM work (only 3 logs in Red River County)
Logs	TGS Log Library	-		\$29 each, not in scope of budget
WQ	USGS Produced Waters	Apr-16	no data	
WQ	USGS NWIS	Apr-16	no relevant data	2 wells found: Bowie Co Wilcox well and Red River Co Alluvium well
WQ	TCEQ SWDIS	Apr-16	no relevant data	City of Clarksville 1940002, Red River Co WSC 1940008, No TDS data from Blossom wells
WQ	TCEQ DBPWS	Apr-16	no relevant data	4 Blossom wells: 3 City of Clarksville; 1 Red River Co WSC
WQ	TWDB GWDB	Apr-16		140 samples from approx. 90 well locations
WQ	EPA STORET	Apr-16	no data	
WQ	GCDs	-	no GCDs	
WQ	Municipalities	-	Clarksville	contact for data, if needed
WQ	Public Water Suppliers	-	Red River Co WSC	contact for data, if needed
Model	TWDB staff	-		need to request/ determine when it will be available
Well Reports	TWDB GWDB	Apr-16	118 Blossom wells	



Game

2015
 2016
 2017

October November December January February March April May June July August September October November December January February March April May June July



August September

