

February 15, 2016

MEMORANDUM

To: Brian Hunt, Barton Springs Edwards Aquifer Conservation District
From: Tom Grimshaw
Subject: Notes of Meeting in Your Offices, February 11, 2016

I again appreciate the opportunity to perform work on the geologic mapping project for the Mountain City Quadrangle in your offices last week. During our discussion, we covered several topics, including the following:

Preliminary Geologic Map of the Mountain City Quadrangle. The current round of mapping on 1958 air photos has increased confidence in the mapping of the complicated Balcones faulting in the quadrangle. The mapping, along with many outcrop checks (done on the previous 1967 photos), is now sufficiently accurate to initiate final phases of the quadrangle map. The method of transfer of mapping to topographic base (without the benefit of GIS) was described in a memo dated January 11. Although much remains to be done on details of the mapping, the “high-confidence” was provided to you during our meeting.

Incorporation of BSEACD Subsurface Information with Geologic Mapping. The database of subsurface information and outcrop descriptions at the BSEACD can add substantially to the accuracy of the air-photo-with-outcrop-checks method that I have been using for the Mt. City quad. During our meeting we reviewed the Google map based depiction of the subsurface data so that I can begin using the data to supplement the surface geologic mapping.

Planning for the Next Few Field Trips for the Mapping Project. We first reviewed the candidate trips that we have discussed previously. We selected a second visit to the City of Austin’s Sky Ranch tract as our next trip, during which we will focus on outcrops (especially fault evidence and swallets, if any) in the Onion Creek channel. We also reviewed Hays County land ownership records for possible access to the Rattlesnake reservoir and the nearby quarry. Finally, we discussed access to the important Rutherford Ranch tract. Joe Vickers may be helpful in this connections, as he may have the ranch operator as a client for groundwater services.

Actions: 1) Set up field visit to City of Austin property (Sky Ranch); 2) Share contact information regarding Joe Vickers (I subsequently reached Joe Vickers and we agreed to have lunch soon, probably at the Salt Lick BBQ); determine contact information for Zimmerman, landowner at and around Rattlesnake reservoir.

Please let me know if I missed or misconstrued anything regarding this meeting.

I look forward to our next field trip!