

July 18, 2018

MEMORANDUM

To: Brian Hunt
From: Tom Grimshaw
Subject: Geologic Mapping East of the Blanco River in the Mountain City Quadrangle

An area that has not yet been mapped (actually, remapped, from my 1976 dissertation) in our Mountain City Quadrangle Geologic Mapping Project is the area east of the Blanco River below its sharp bend to the southeast. During the first half of July, considerable progress has been made in completing the mapping of this area. This memo is an update of the one that I sent on July 12.

An air photo showing the added mapping is in Attachment 1. Significant features observed in the field are shown in Attachments 2 to 7. The approximate locations of the features are shown in Attachment 1.

2. Exposure of Fault of Del Rio Clay (Left) against Edwards Limestone
3. Collapsed Sinkhole at Mouth of Unnamed Tributary to the Blanco River
4. Two Views of the Steep Cliffs on the East Side of the Blanco River
5. Downstream and Upstream Views of the Blanco River
6. Sinkhole in Georgetown Fault Block
7. "Hog Wallow" in Del Rio Clay

Please let me know if you have any questions.

Attachment 1.

Air Photo with Geologic Map of Area on East Side of the Blanco River

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Attachment 2.

Exposure of Fault of Del Rio Clay (Left) Against Edwards Limestones



View is to the southwest. The grassy area is underlain by the Del Rio clay, whereas the prickly pear cactus and oak trees are underlain by the Edwards.

Attachment 3.

Collapsed Sinkhole at Mouth of Unnamed Tributary to the Blanco River

3a. Downward and Downstream View of the Sinkhole



Note the ferns growing at small springs on the edge. Upstream is to the left In the photo. The downstream view (right side) shows the “lip“ between the edge of the sink hole in the Blanco River.

3b. Closeup View of the Downstream Edge of the Sinkhole



This view shows the terra-rosa soil and cemented gravel at the edge of the sinkhole.

3d. Upstream View of the Sinkhole



This view shows the steep limestone ledge on the side of the sinkhole and on the streambed.

Attachment 4.

Two Views of the Steep Cliffs on the East Side of the Blanco River



Photos taken in northward direction.

Attachment 5.

Downstream and Upstream Views of the Blanco River



Photos taken near the sharp bend in the river generally northeastward and to a southeastward direction.

Attachment 6.

Sinkhole in Georgetown Fault Block



Note: The margins of the sinkhole are underlain by outcrops of the Georgetown formation.

Attachment 7.

Two Views of “Hog Wallow” in Del Rio

