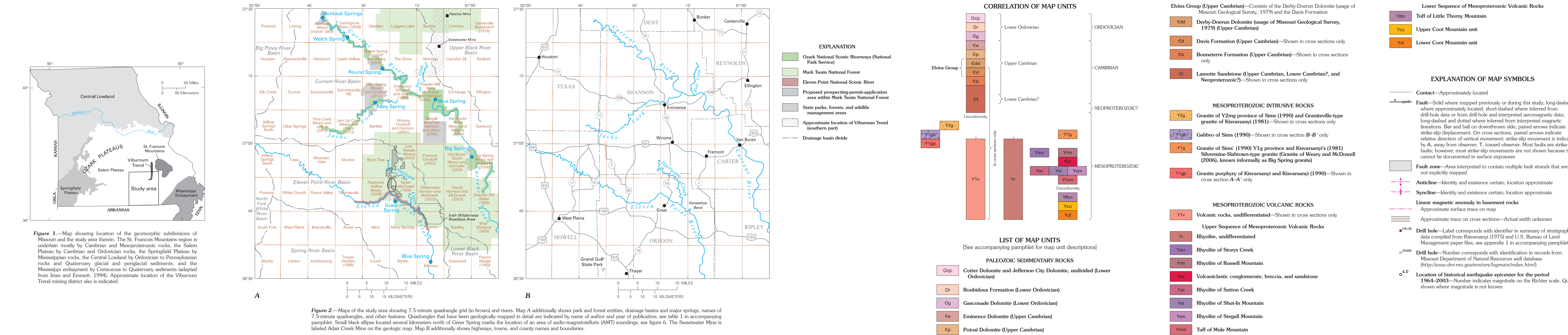
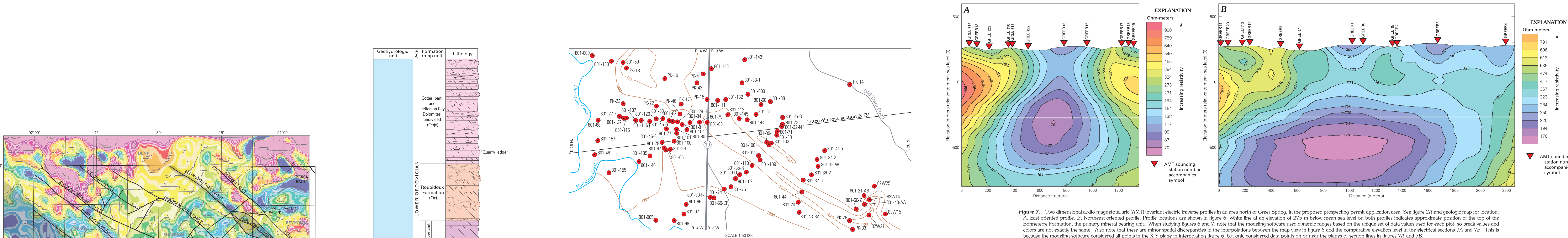
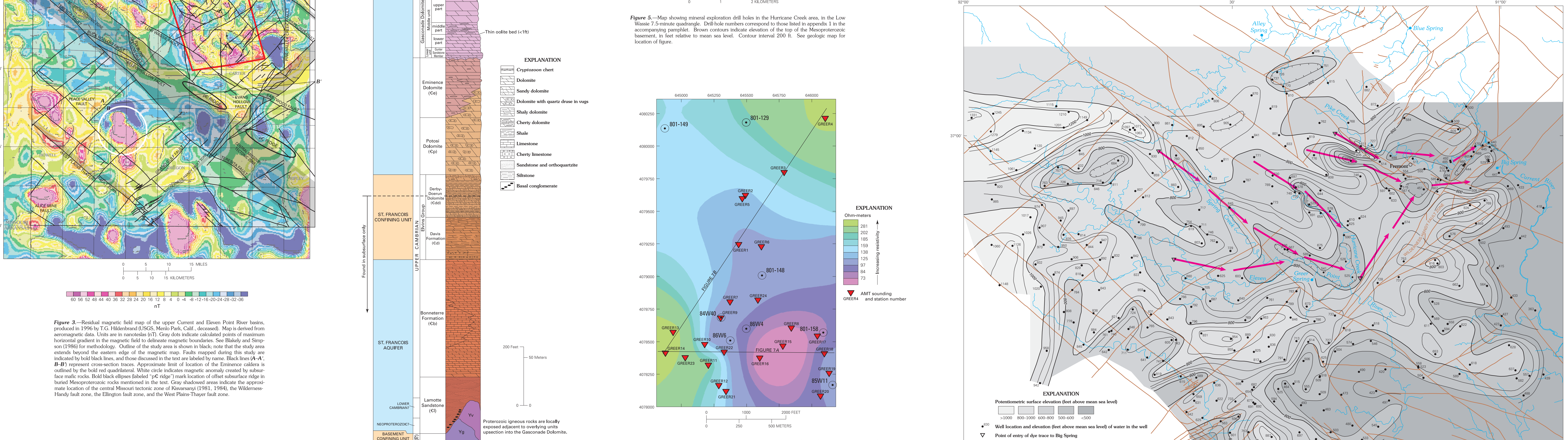




**Figure 2.**—Maps of the study area showing 7.5-minute quadrangle grid (in brown) and rivers. Map A additionally shows park and forest entities, drainage basins and major springs, names of 7.5-minute quadrangles, and other features. Quadrangles that have been geologically mapped in detail are indicated by name of author and year of publication; see table 1 in accompanying pamphlet. Small black ellipse located several kilometers north of Greer Spring marks the location of an area of audio-magnetotelluric (AMT) soundings; see figure 6. The Sweetwater Mine is labeled Adair Creek Mine on the geologic map. Map B additionally shows highways, towns, and county names and boundaries.



**Figure 7.**—Two-dimensional audio magnetotelluric (AMT) inductive transfer profiles in an area north of Greer Spring, in the proposed prospecting permit-application area. See figure 2A and geologic map for location. A, East-oriented profile; B, Northeast-oriented profile. Profile locations are shown in figure 6. White line at an elevation of 275 m below sea level on both profiles indicates approximate position of the top of the Bonnetville Formation, the primary mineral-bearing unit. When studying figures 6 and 7, note that the modeling software used dynamic ranges based on the unique set of data values used for each section, so break values and data values are not comparable. Also note that the correlation between the map view and the profile view is not perfect. The map view shows the entire area covered by the prospecting permit application, whereas the profile view shows only the area covered by the profile. This is because the modeling software considered all points in the X,Y plane in interpreting figure 6, but only considered data points on or near the planes of section lines in figures 7A and 7B.



**Figure 4a.**—Generalized stratigraphic column for the map area showing geotectonic units and lithostratigraphic units, which include outcropping Paleozoic formations, buried Paleozoic formations, and Proterozoic rocks. Yg, Proterozoic granite; Yv, Proterozoic volcanic (igneous rocks); P, Proterozoic.

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