

Geochemical samples from  
the Brewer mine, South Carolina  
by  
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The Brewer mine, Chesterfield County, South Carolina, an important former gold producer, has a deep drainage tunnel about a thousand feet long. In 1969 this tunnel and contiguous drifts were sampled at waist height along the tunnel and drift walls. The grab samples were taken at approximately equal intervals beginning at the portal. The samples were submitted to laboratories of the U.S. Geological Survey for chemical analysis by semi-quantitative methods for 34 elements and by various other techniques for mercury, tellurium, gold, fluorine, and uranium. The results of spectrographic analysis are shown in table 1 and the results of the other analyses in table 2. Figure 1 is an index map showing location of the Brewer mine. Figure 2 is a geologic map showing location of the drainage tunnel in the Brewer mine area and figure 3 shows the drainage tunnel, sample locations and sample field numbers.

Figure 1: Index map of South Carolina showing location of the Brewer mine.

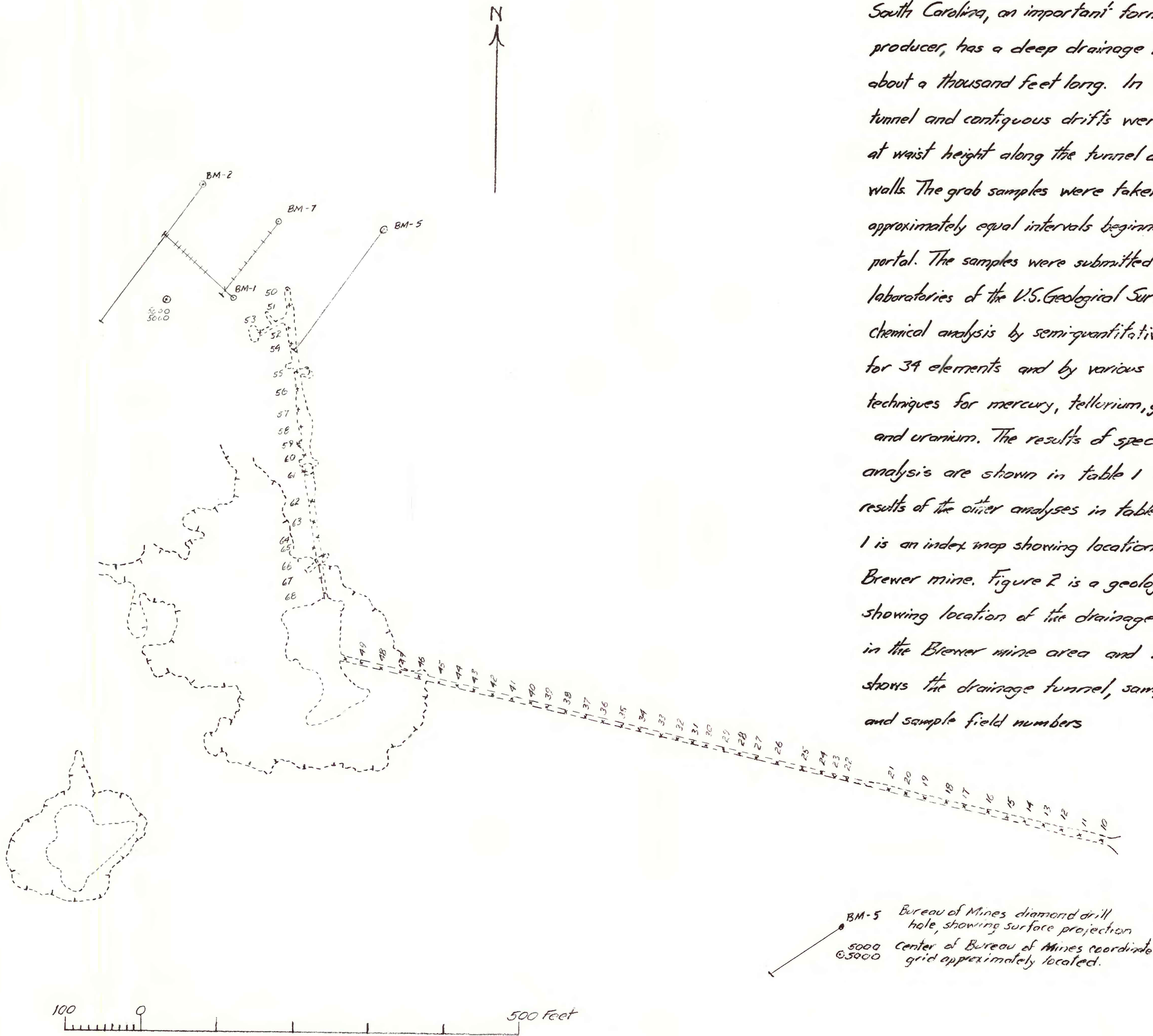
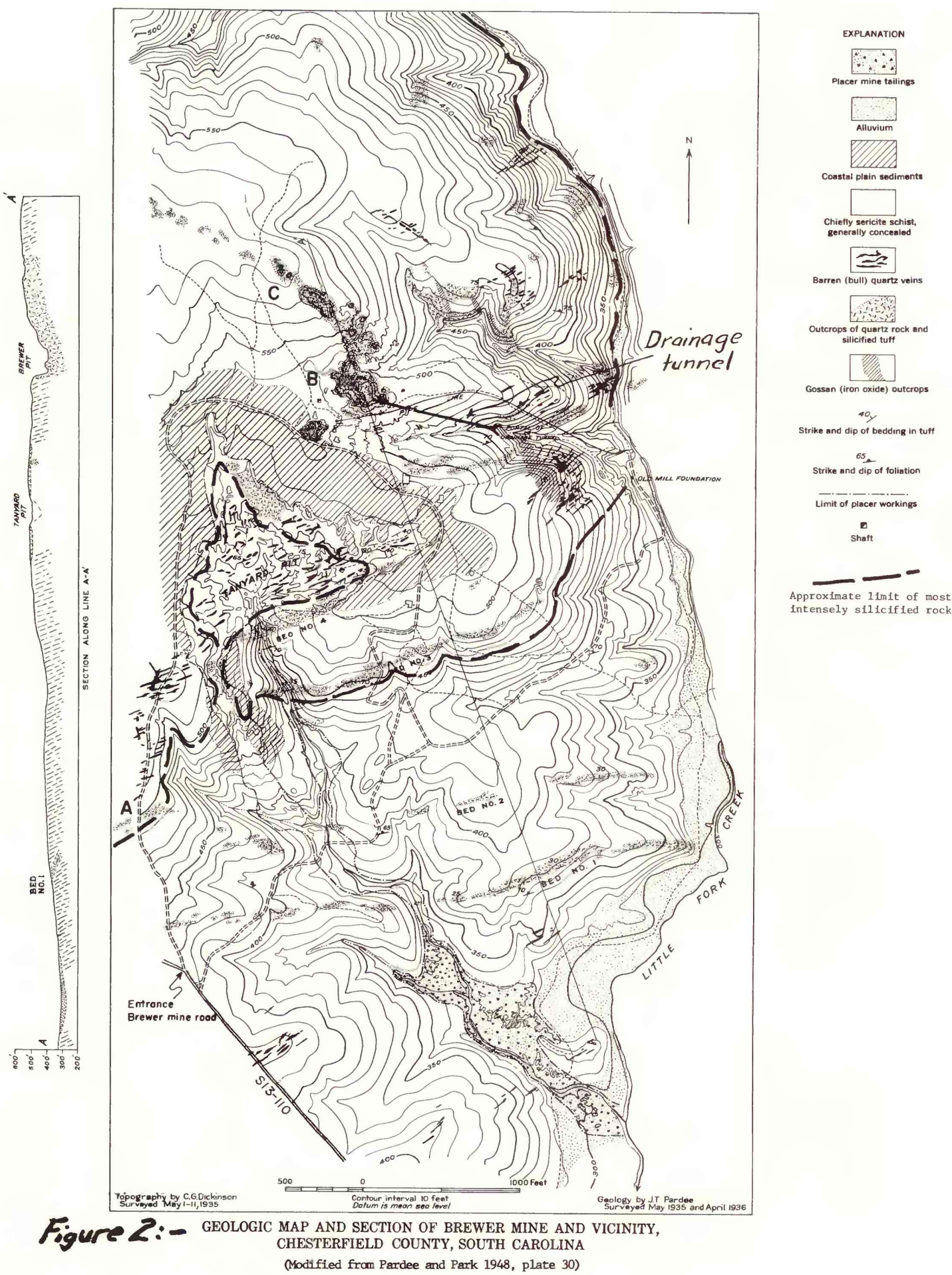


Figure 3:- Brewer mine drainage tunnel showing sample locations.