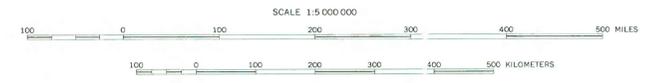


**EXPLANATION**

- Inferred boundary of uranium provinces; index number is keyed to table 1. (Note: certain provinces overlap, i.e., 2 and 5, 6 and 8, 7 and 10)
  - - - Generalized boundary of major geologic regions of the conterminous United States
  - ◆◆◆ Inferred boundary separating accreted oceanic and island-arc crust, subparallel with the Pacific and Atlantic coastlines; composed of rocks of Phanerozoic age from old continental crust in the interior (Tooker, 1979)
- URANIUM DEPOSITS AND URANIFEROUS ROCK UNITS**
- Uranium-bearing phosphate in southeast states  
Area of potential byproduct uranium production
  - Uranium-bearing Phosphoria Formation of Idaho and adjacent states  
Approximate limit of anomalous uranium concentration
  - Area of highest uranium concentration (0.012 percent  $U_3O_8$ )
  - Uranium-bearing Chattanooga Shale and selected correlative formations  
Limit of anomalous uranium concentration
  - Areas of highest uranium concentration (0.007 percent  $U_3O_8$ )

Type of uranium deposit	Ore deposit or group of closely spaced deposits. General cut-off grade of 0.05 percent $U_3O_8$ for ore Metric tons of contained $U_3O_8$ (production plus reserves)			Deposit of small extent. General cut-off grade of 0.01 percent $cU_3O_8$ or $eU_3O_8$ , or presence of recognizable uranium mineral Includes ore-grade deposits of < 1 metric ton
	> 10,000	1,000-10,000	1-1,000	
Sandstone and related deposits in sedimentary rocks. (Includes deposits in siltstone, Arizona; limestone, New Mexico; lignite, the Dakotas)	●	●	○	○
Classical vein and related types. (Includes contact, Washington; disseminated, Washington)		▲	△	△
Other. (Includes volcanogenic, Nevada, Oregon, Texas, and New York; and deposits too poorly described to classify)	■	■	□	□



Background information relating to this map and others in the Atlas of Metals and Mineral Provinces in the Conterminous United States is published as U.S. Geological Survey Circular 792 (Tooker, 1979), available from the U.S. Geological Survey Branch of Distribution, 1200 Wade Street, Arlington, VA 22202

★ Mines active in 1975. (Data common to other Atlas mineral province maps, Tooker, 1980a. Source of data, Mining Magazine, 1976, p. 233-244 and files. See table 2)

PRELIMINARY MAP OF URANIUM PROVINCES IN THE CONTERMINOUS UNITED STATES  
by Virginia P. Byers and Warren I. Finch  
1984

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

Planimetric base from National Atlas 1:7,500,000, 1970