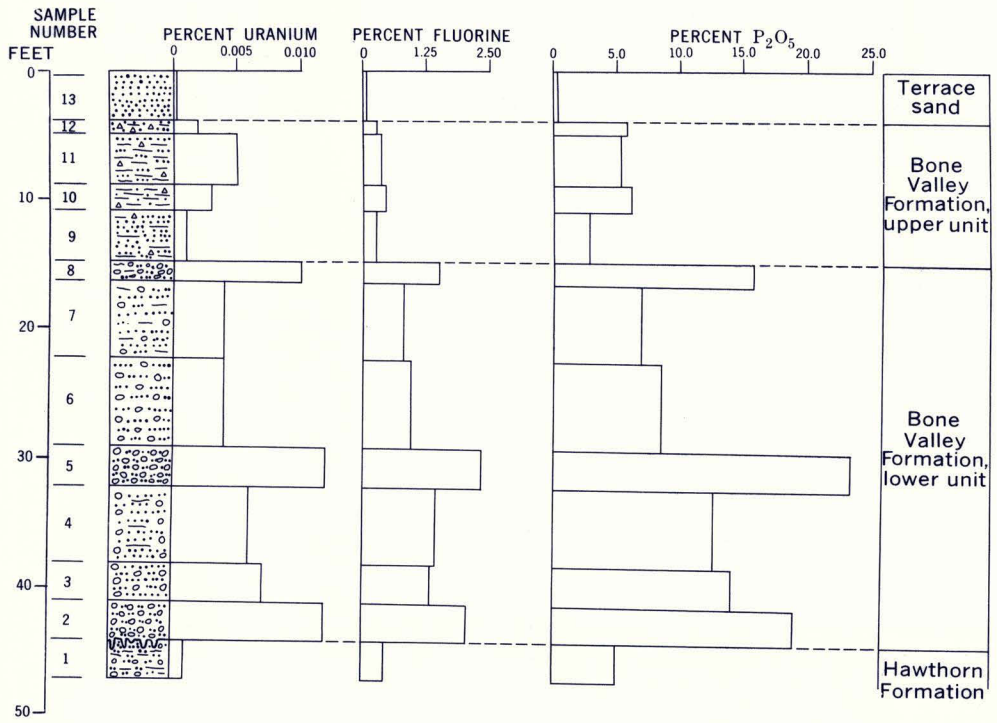
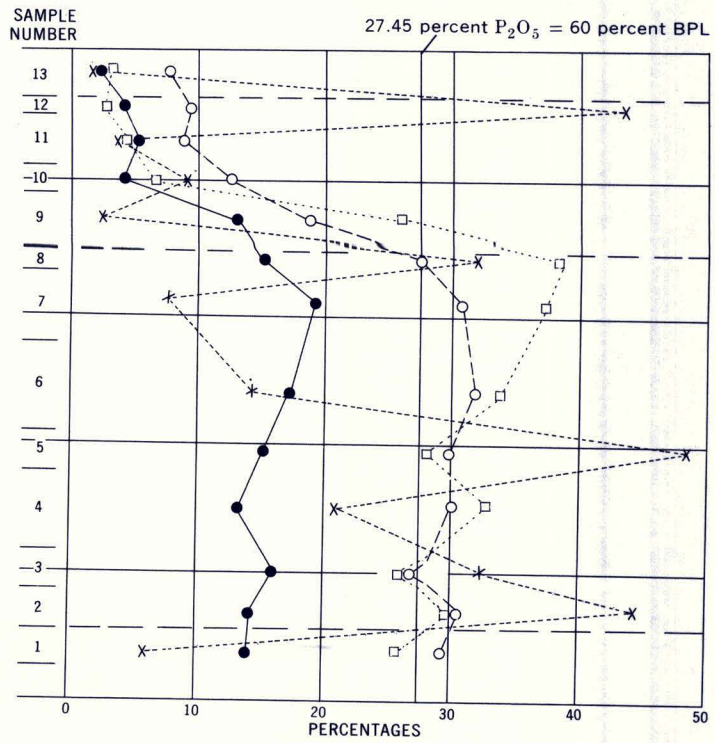



A. STRATIGRAPHIC DISTRIBUTION




B DISTRIBUTION IN THE +14 MESH FRACTION

## EXPLANATION

Quartz sand

Clayey sand containing fragments of sandrock; sand cemented by aluminum phosphate

Sandy clay

Sand of phosphate and quartz

Clayey sand and phosphate nodules

Disconformity

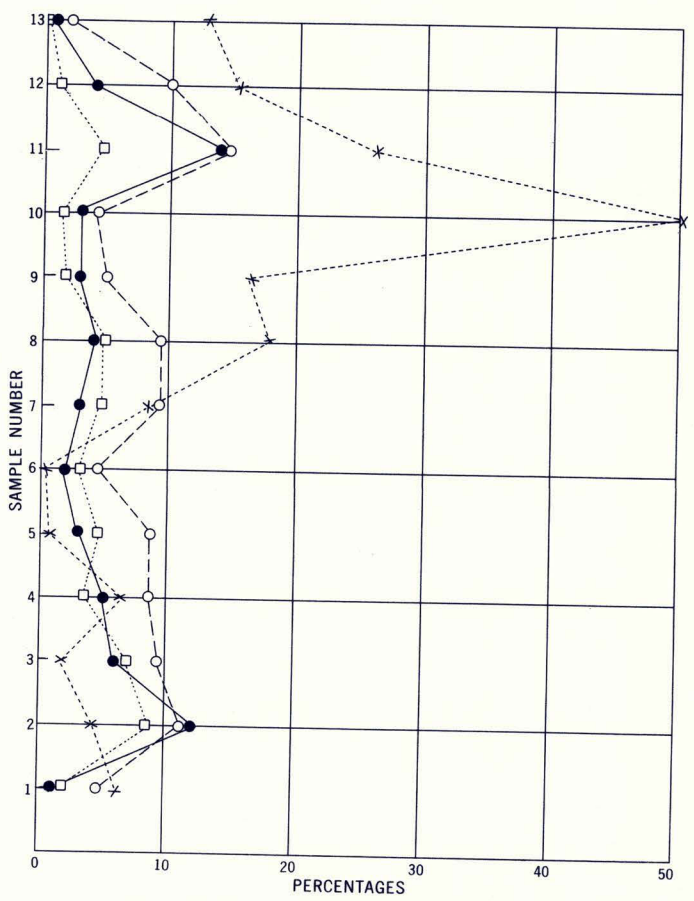
Weight percent of fraction
*Zero percent (fig. D) indicates that no flotation test was made, and the concentrate fraction, if present, is in amounts of less than 1 percent*

Percent uranium (×1000)

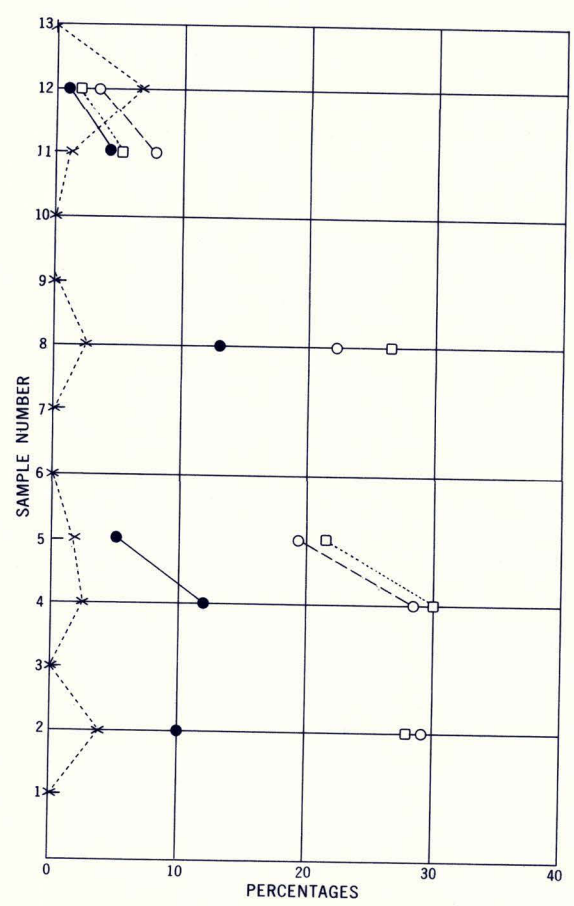
Percent fluorine (×10)

Percent $P_2O_5$

Lithology log from H. M. Icke and R. H. Stewart, U.S. Geological Survey. Chemical analyses by F. S. Grimaldi, U.S. Geological Survey. Flotation tests (fig. D) by Thornton & Co. under contract to U.S. Geological Survey.




C. DISTRIBUTION IN THE −150 MESH FRACTION




D DISTRIBUTION IN THE CONCENTRATE (−35+150 MESH) FRACTION

**DISTRIBUTION OF URANIUM, FLUORINE, AND PHOSPHORUS PENTOXIDE, STRATIGRAPHICALLY AND BY MESH FRACTIONS, SOUTH PIERCE MINE, SE¼SW¼ SEC. 32, T. 31 S., R. 24 E.**

793-300 O-66 (In pocket) No. 1