



Further Studies of the Distribution of Uranium in Rich Phosphate Beds of the Phosphoria Formation: Usgs Bulletin 1009-D

By M. E. Thompson

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Five sets of close samples (narrow and contiguous samples across a lithologic unit) from beds of high phosphate content of the Phosphoria. formation in Idaho, Utah, and Wyoming were analyzed chemically for F and CO₂. Very good correlations between F, CO₃, and P₂O₅ were found in several of the samples. The size of phosphate pellets was measured in thin sections of two sets of close samples. Frequency histograms and cumulative curves were plotted from these size measurements, but when compared with uranium concentration for each sample, no significant correlation between size and uranium concentration was discovered. Analyses of these samples for P₂O₅, CaO, organic matter, and equivalent uranium are presented in a previous report by this writer (U. S. Geol. Survey Bull. 988-D). In two sets of samples a good correlation was found between equivalent uranium and each of the other components. The samples in these two sets have a uranium content that is relatively high for the Phosphoria formation, and they show considerable range in P₂O₅ content. This item ships from La Vergne, TN. Paperback.



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