

Characteristics of United States Uranium Deposits

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A large amount of historical data about uranium deposits discovered in the United States in the period 1947-1998 are recorded in the U.S. Government's database that comprises over 5,000 uranium properties. This federal database was developed under uranium procurement programs (1947-1970) and subsequently under programs designed to annually monitor the development of the U.S. uranium raw materials industry. Using these data, significant U.S. deposit characteristics are presented to contrast the various geological settings that host economical uranium deposits. Data are presented for deposit class, average deposit size and total mineral inventory, uranium (vanadium) content and mean grade, mine production of ore, geological and metallurgical type, depth and thickness, host-rock age, and geological setting and geographical uranium resource region. The current estimates of U.S. uranium reserves aggregated by these deposit parameters, where possible, are provided.