



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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U.S. Geological Survey**

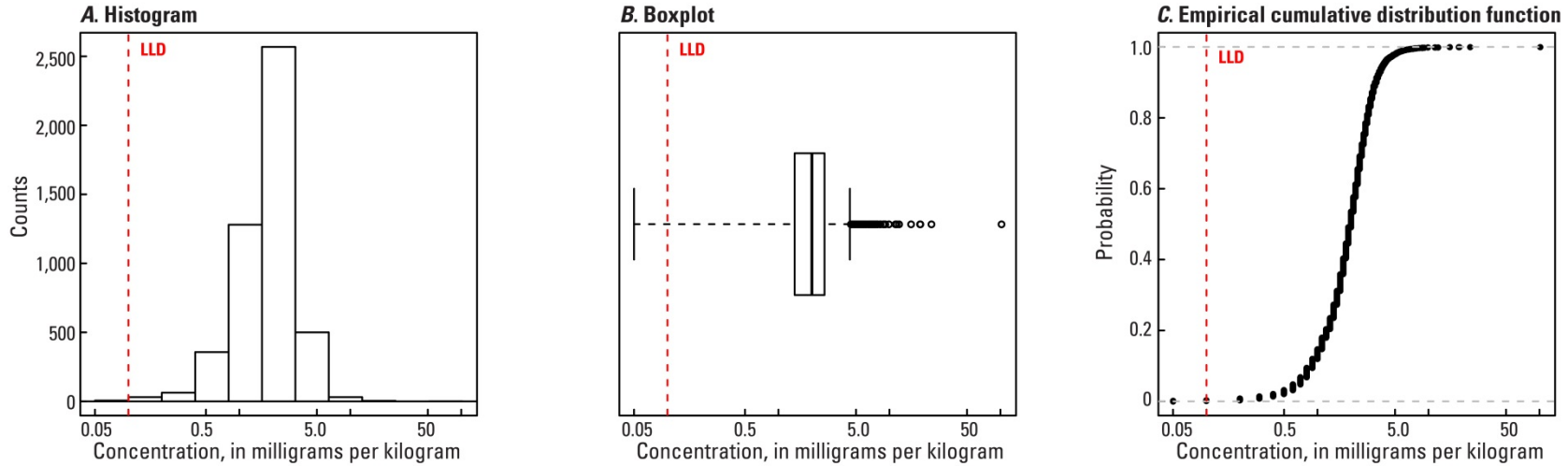
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Uranium (U) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 6
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.7 milligrams per kilogram
 25 percentile = 1.4 milligrams per kilogram
 50 percentile = 2.0 milligrams per kilogram
 75 percentile = 2.6 milligrams per kilogram
 95 percentile = 3.9 milligrams per kilogram
 Maximum = 102 milligrams per kilogram
 MAD = 0.89 milligrams per kilogram
 Robust CV = 44.5 %

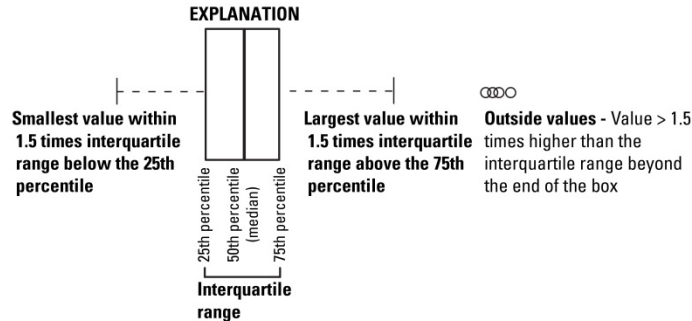


Figure 128. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

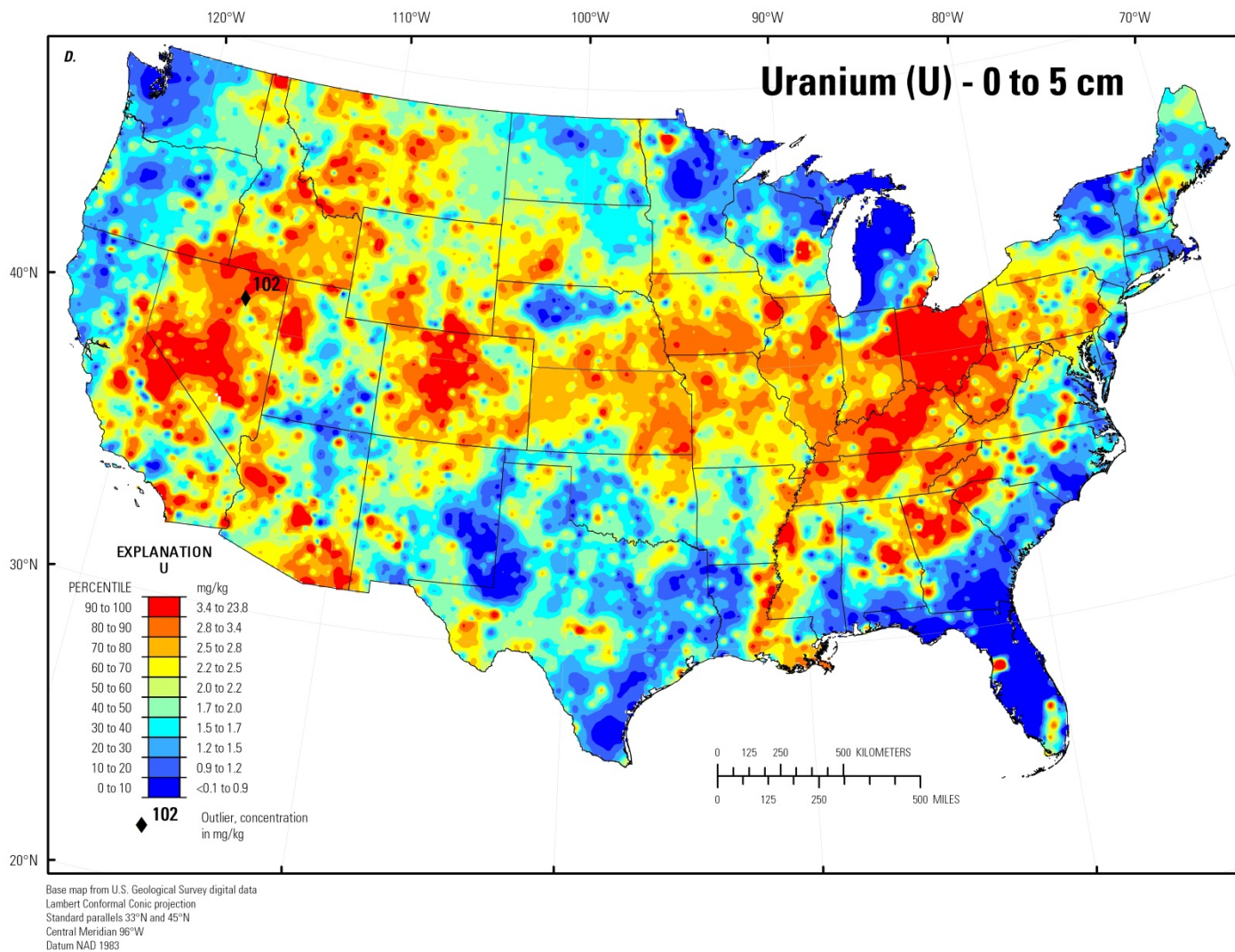
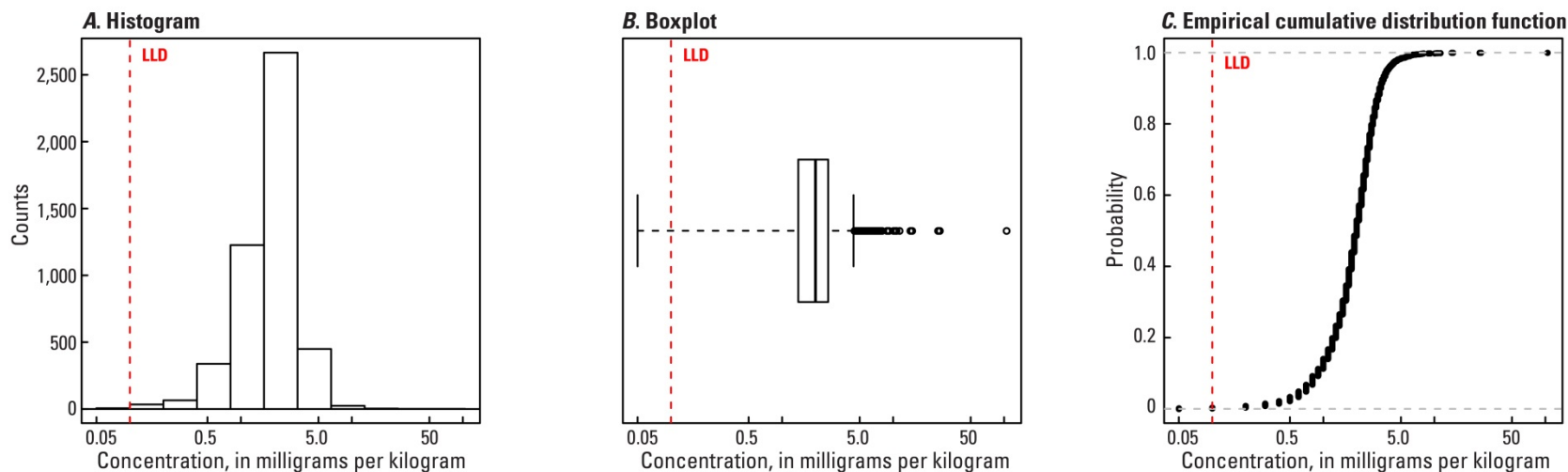


Figure 128. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Uranium (U) in soil A horizon



Number of samples = 4,813
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 6
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.7 milligrams per kilogram
 25 percentile = 1.4 milligrams per kilogram
 50 percentile = 2.0 milligrams per kilogram
 75 percentile = 2.6 milligrams per kilogram
 95 percentile = 3.8 milligrams per kilogram
 Maximum = 105 milligrams per kilogram
 MAD = 0.89 milligrams per kilogram
 Robust CV = 44.5 %

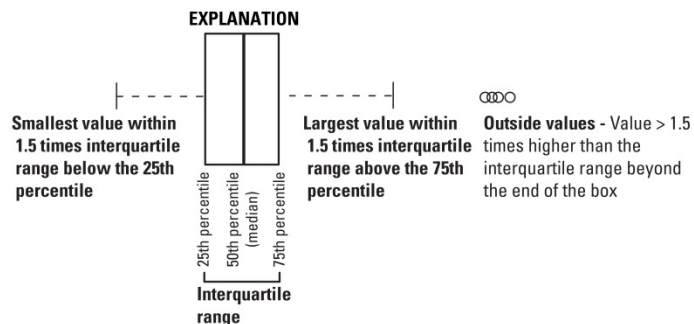


Figure 129. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

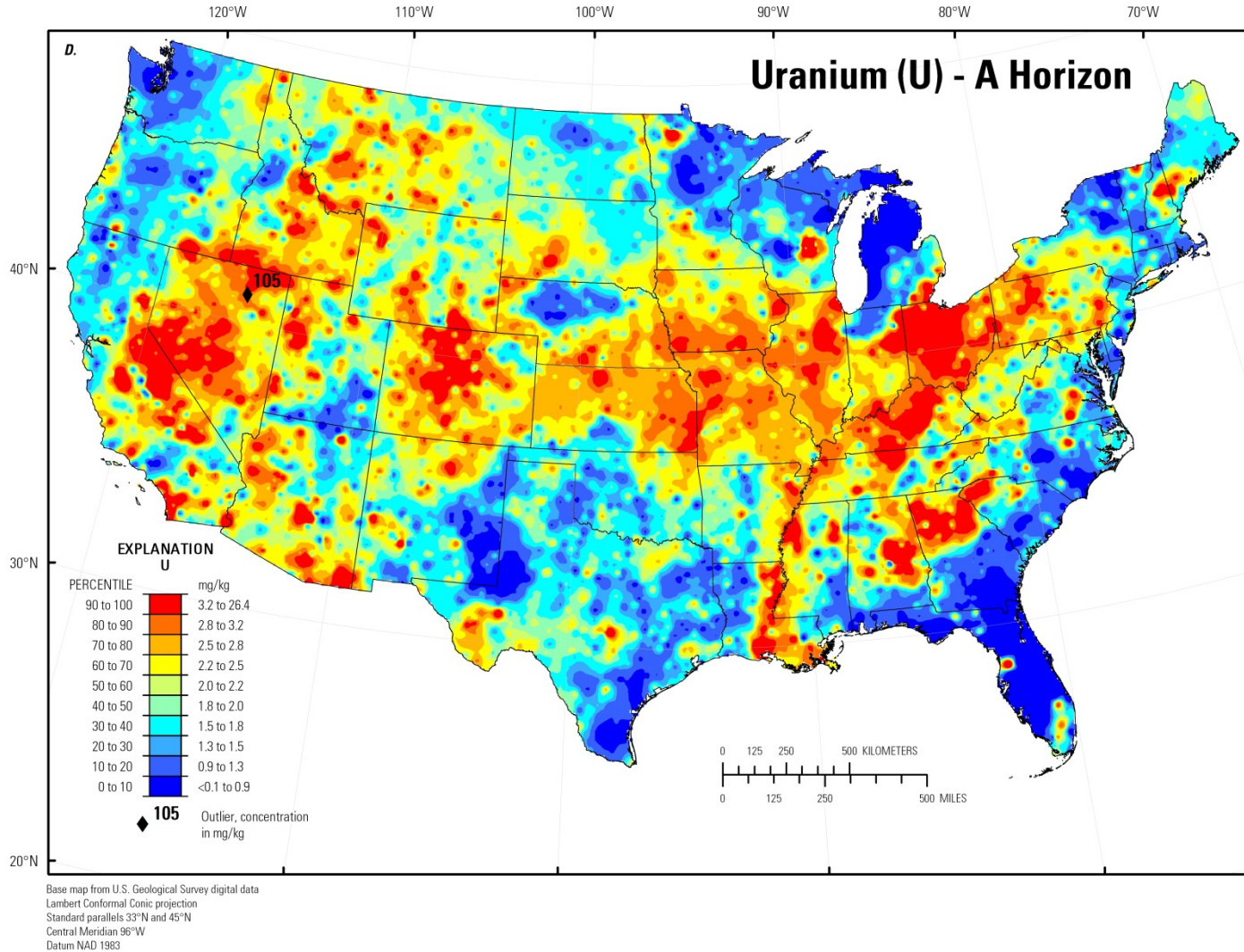
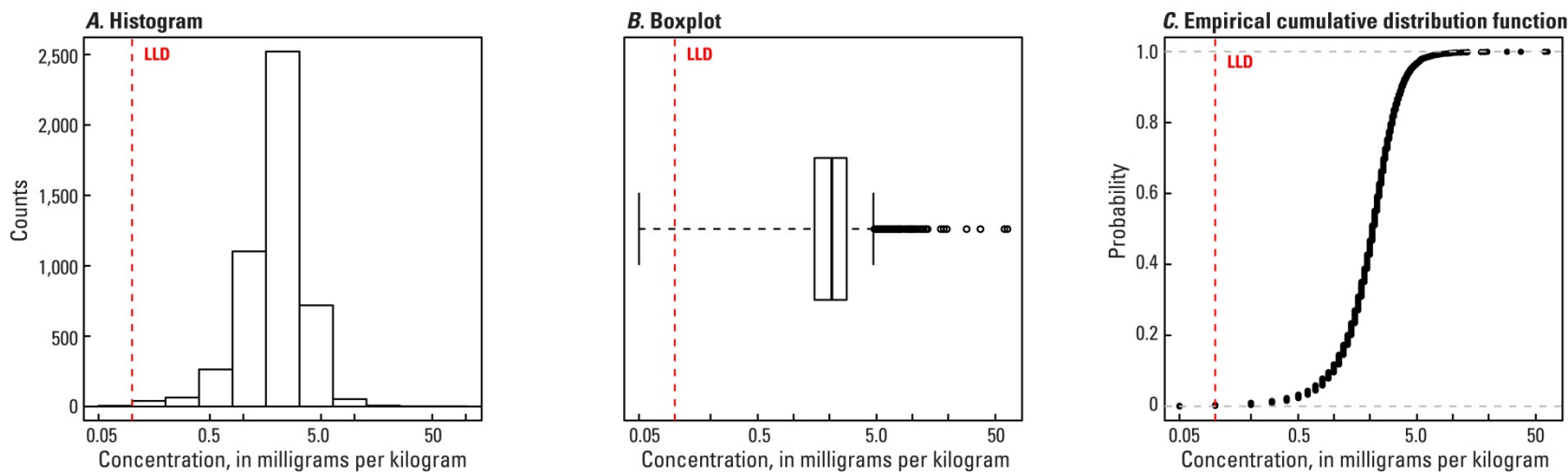


Figure 129. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Uranium (U) in soil C horizon



Number of samples = 4,780
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 6
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.7 milligrams per kilogram
 25 percentile = 1.5 milligrams per kilogram
 50 percentile = 2.1 milligrams per kilogram
 75 percentile = 2.8 milligrams per kilogram
 95 percentile = 4.4 milligrams per kilogram
 Maximum = 63 milligrams per kilogram
 MAD = 1.04 milligrams per kilogram
 Robust CV = 49.4 %

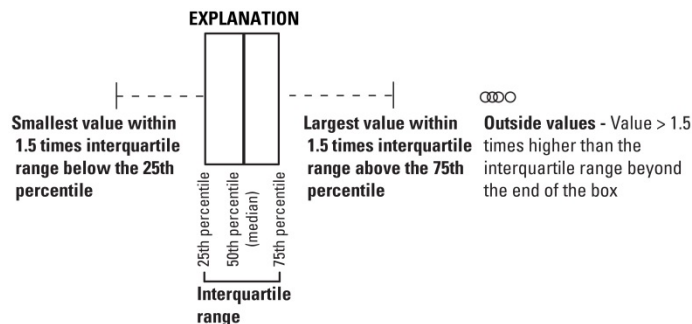


Figure 130. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

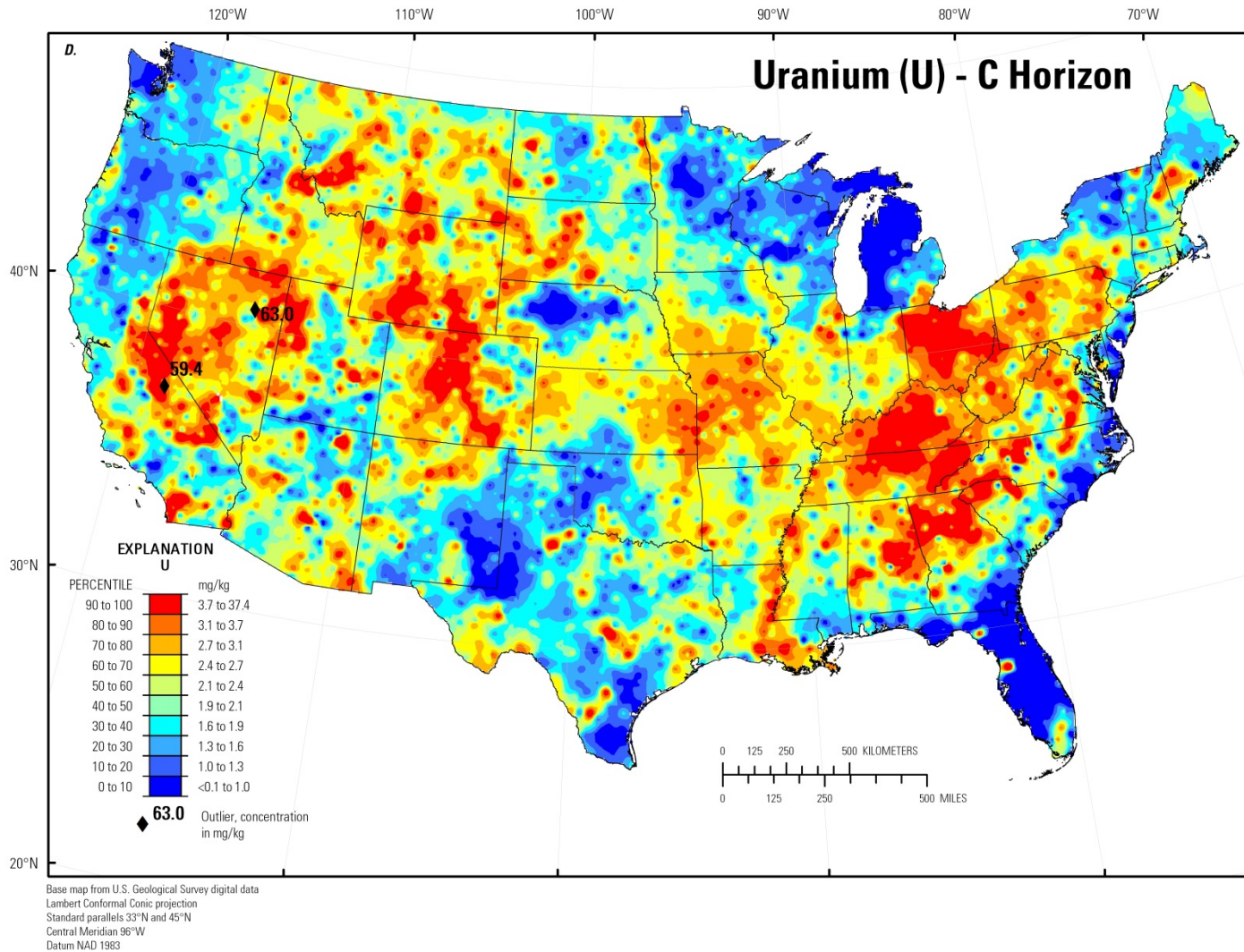


Figure 130. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of uranium (U) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued