



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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U.S. Geological Survey**

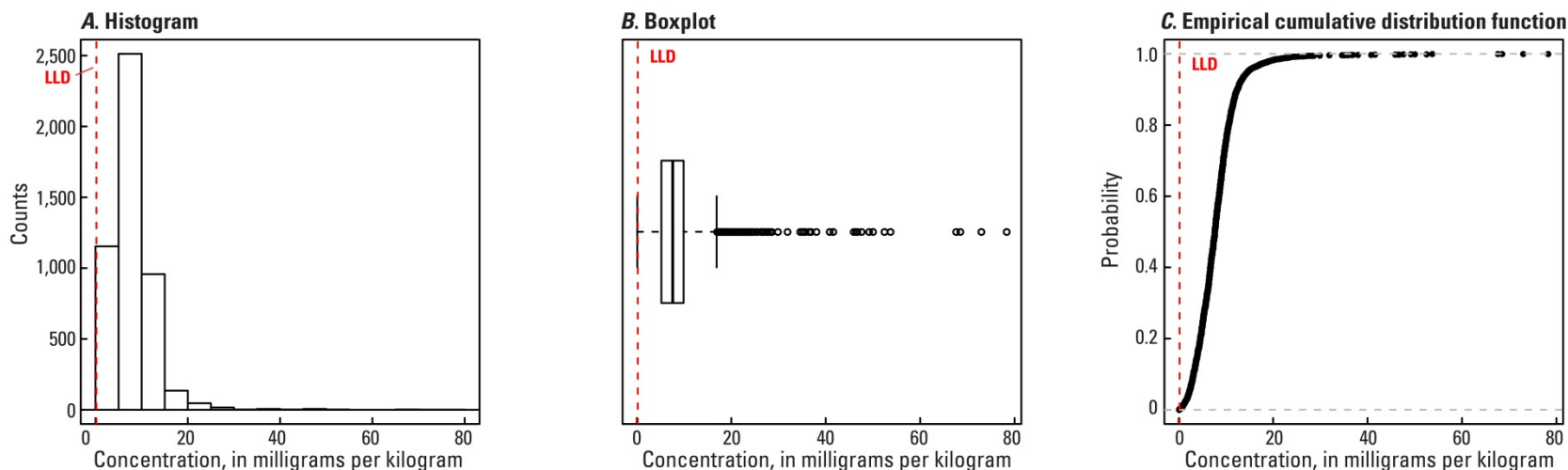
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Thorium (Th) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 0.2 milligrams per kilogram
 Number below LLD = 6
 Minimum = <0.2 milligrams per kilogram
 5 percentile = 2.3 milligrams per kilogram
 25 percentile = 5.2 milligrams per kilogram
 50 percentile = 7.6 milligrams per kilogram
 75 percentile = 9.9 milligrams per kilogram
 95 percentile = 14.7 milligrams per kilogram
 Maximum = 78.3 milligrams per kilogram
 MAD = 3.56 milligrams per kilogram
 Robust CV = 46.8 %

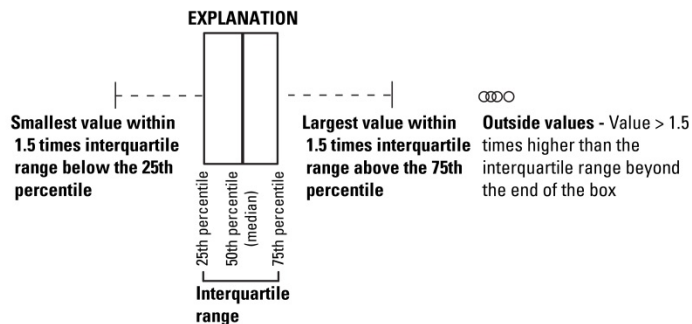


Figure 116. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

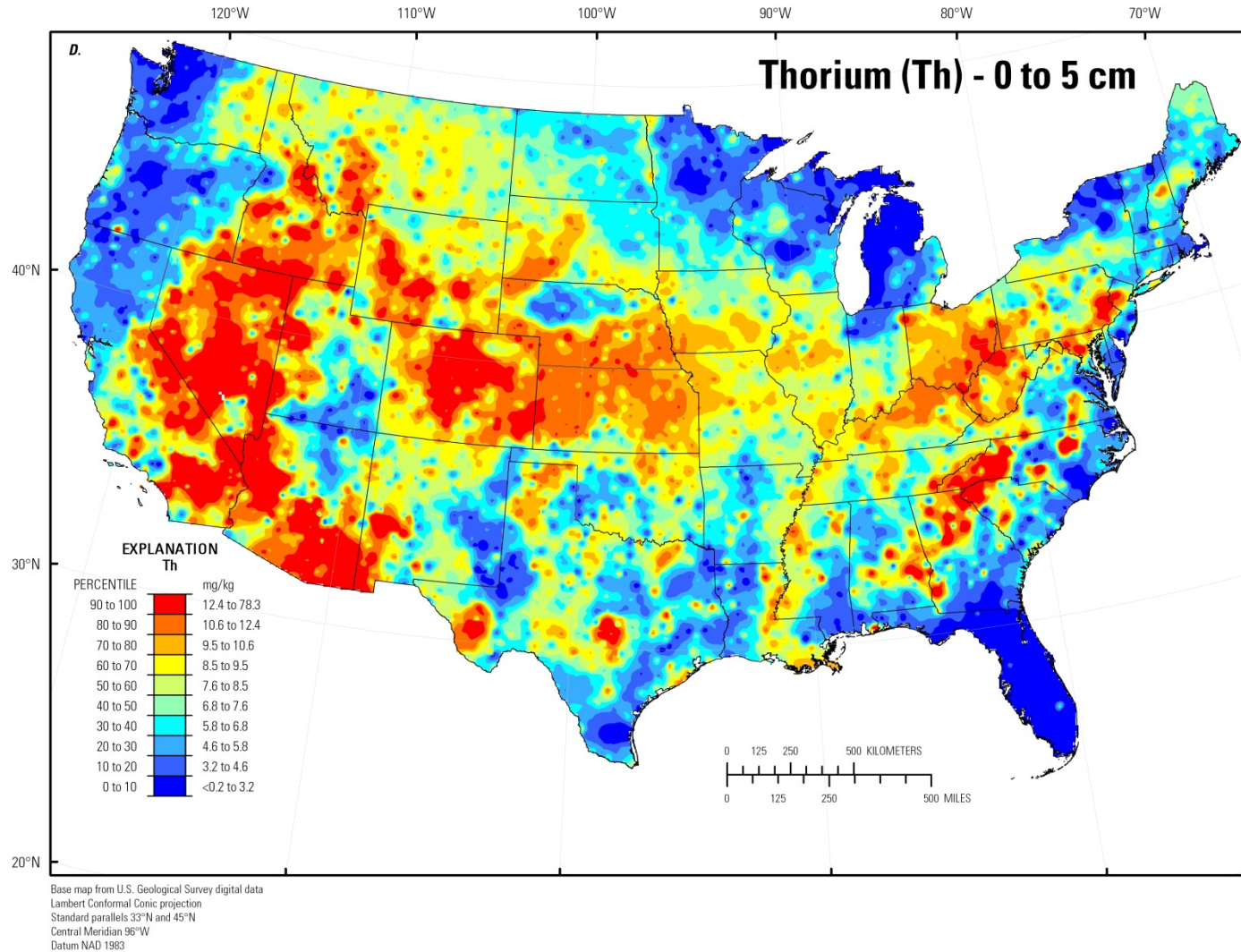
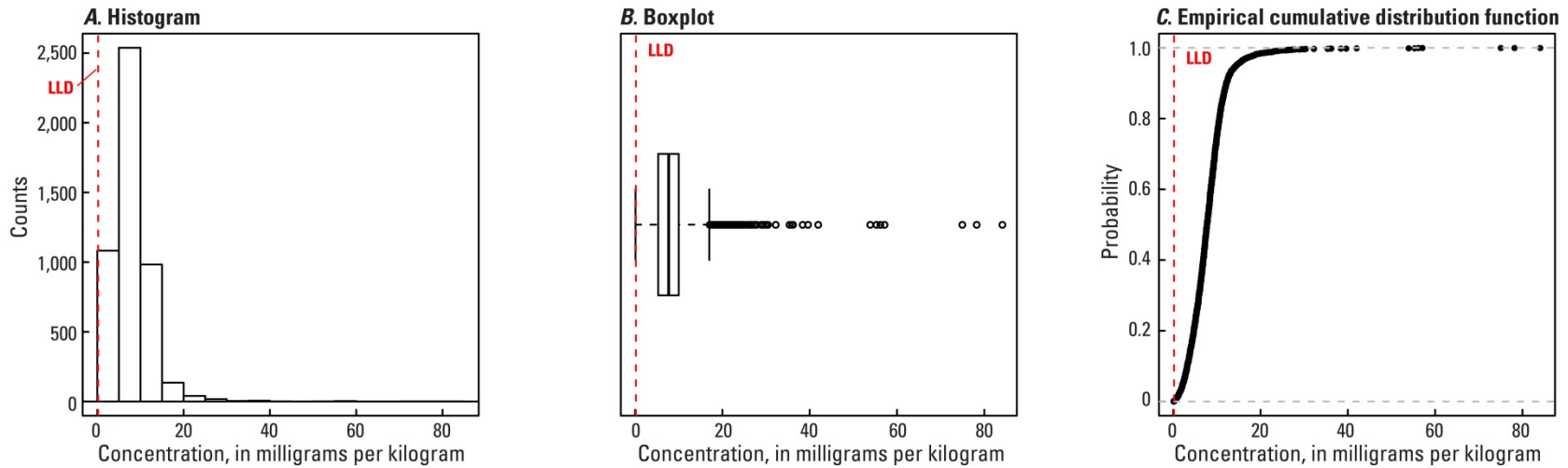


Figure 116. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Thorium (Th) in soil A horizon



Number of samples = 4,813

LLD = 0.2 milligrams per kilogram

Number below LLD = 6

Minimum = <0.2 milligrams per kilogram

5 percentile = 2.2 milligrams per kilogram

25 percentile = 5.3 milligrams per kilogram

50 percentile = 7.7 milligrams per kilogram

75 percentile = 10.0 milligrams per kilogram

95 percentile = 14.4 milligrams per kilogram

Maximum = 84.1 milligrams per kilogram

MAD = 3.41 milligrams per kilogram

Robust CV = 44.3 %

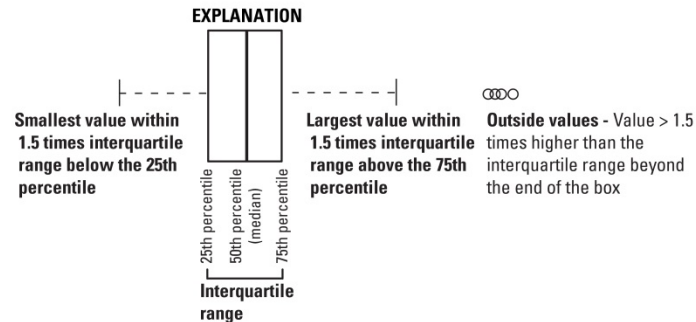


Figure 117. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

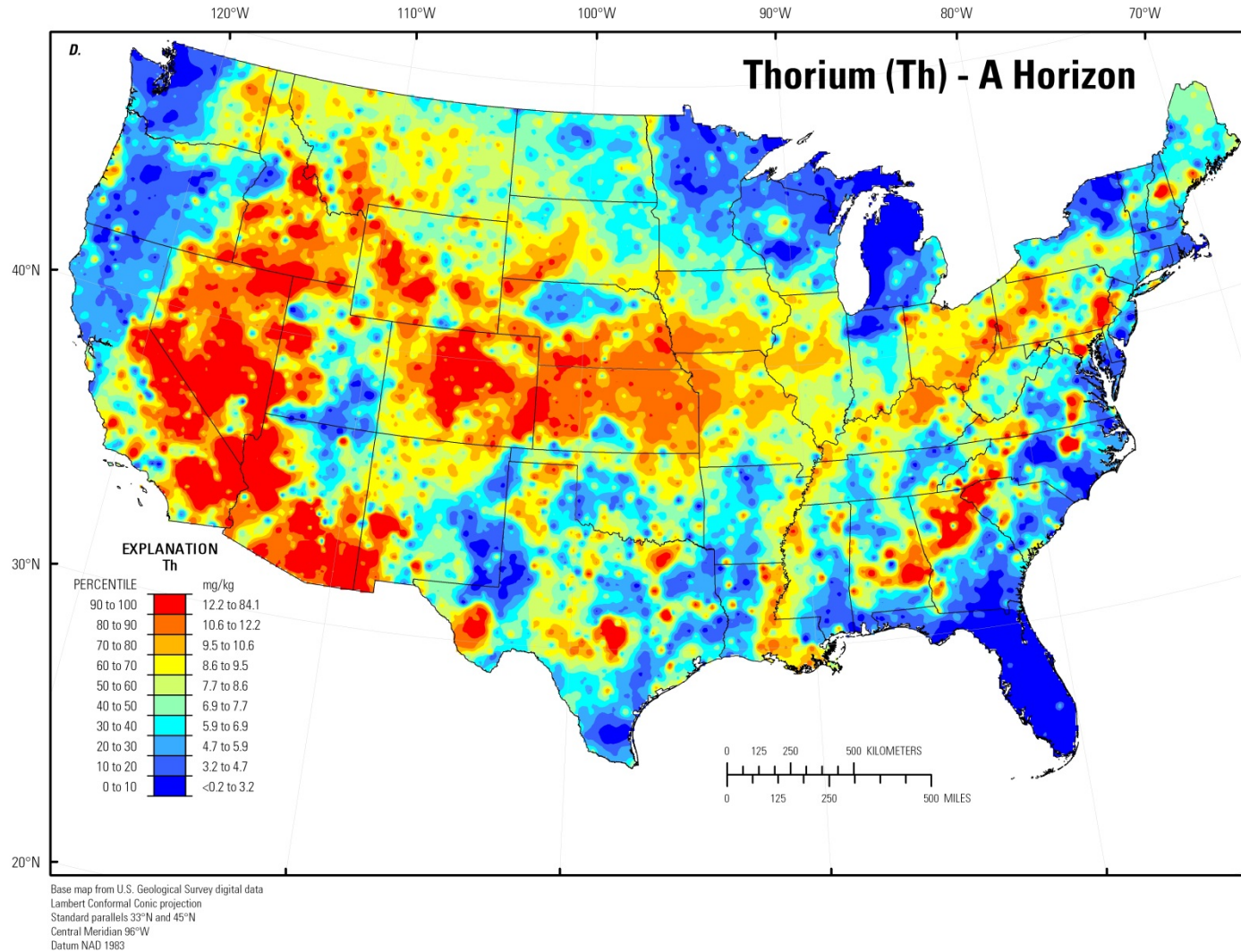
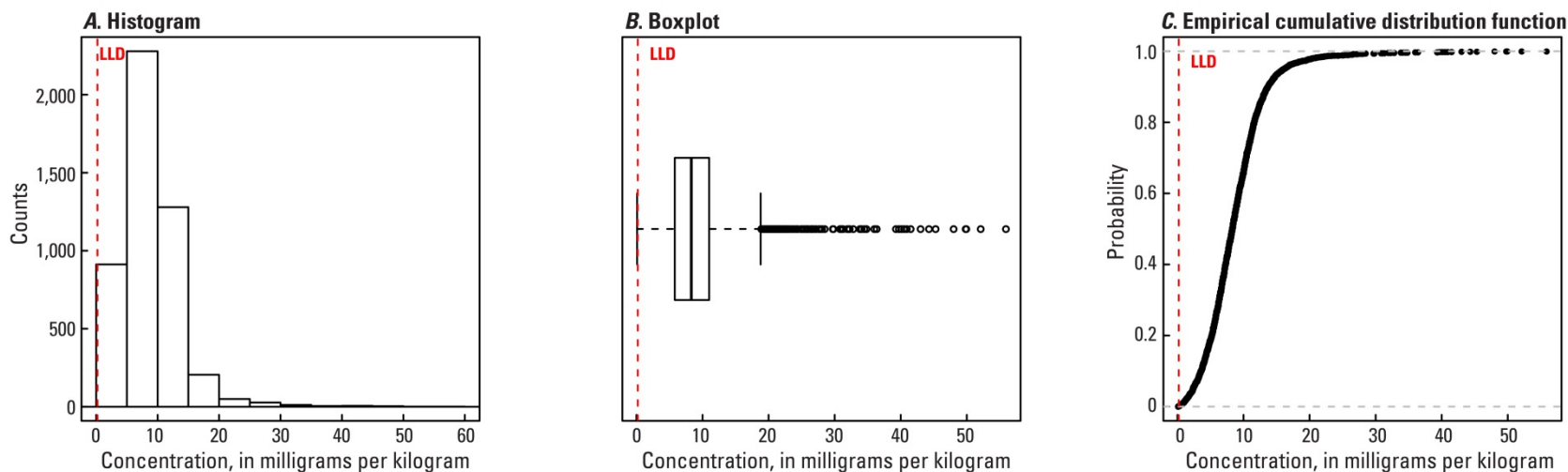


Figure 117. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Thorium (Th) in soil C horizon



Number of samples = 4,780
 LLD = 0.2 milligrams per kilogram
 Number below LLD = 3
 Minimum = <0.2 milligrams per kilogram
 5 percentile = 2.4 milligrams per kilogram
 25 percentile = 5.8 milligrams per kilogram
 50 percentile = 8.3 milligrams per kilogram
 75 percentile = 11.0 milligrams per kilogram
 95 percentile = 16.1 milligrams per kilogram
 Maximum = 55.9 milligrams per kilogram
 MAD = 3.85 milligrams per kilogram
 Robust CV = 46.4 %

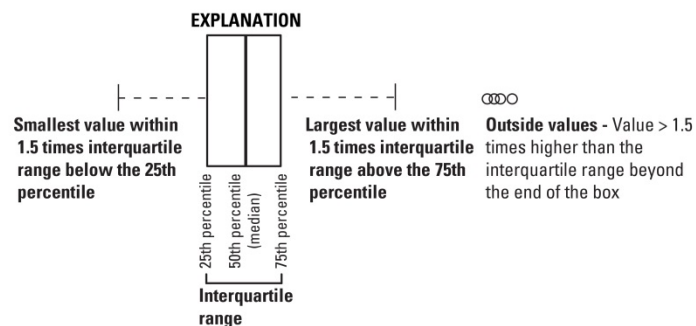


Figure 118. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

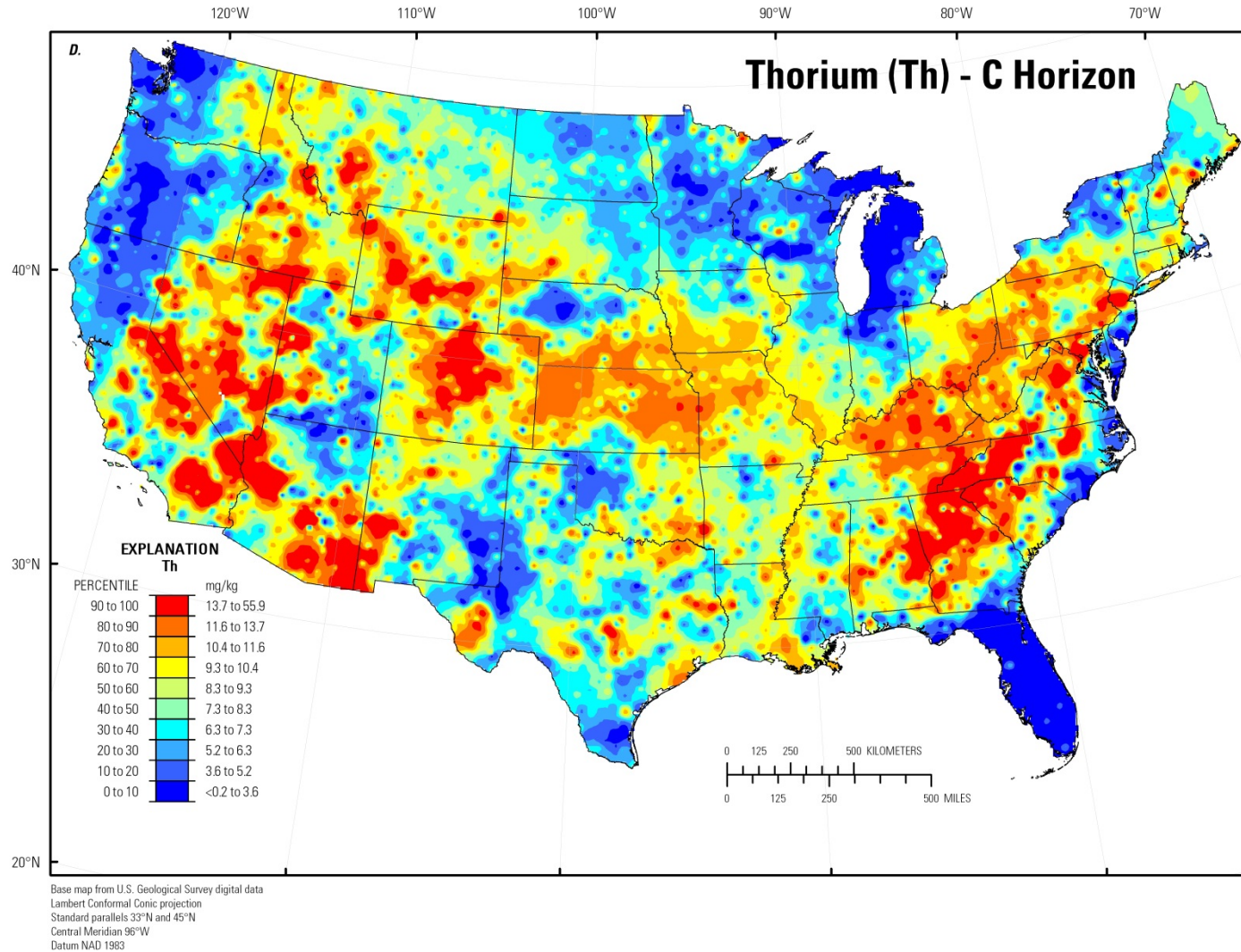


Figure 118. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of thorium (Th) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued