



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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U.S. Geological Survey**

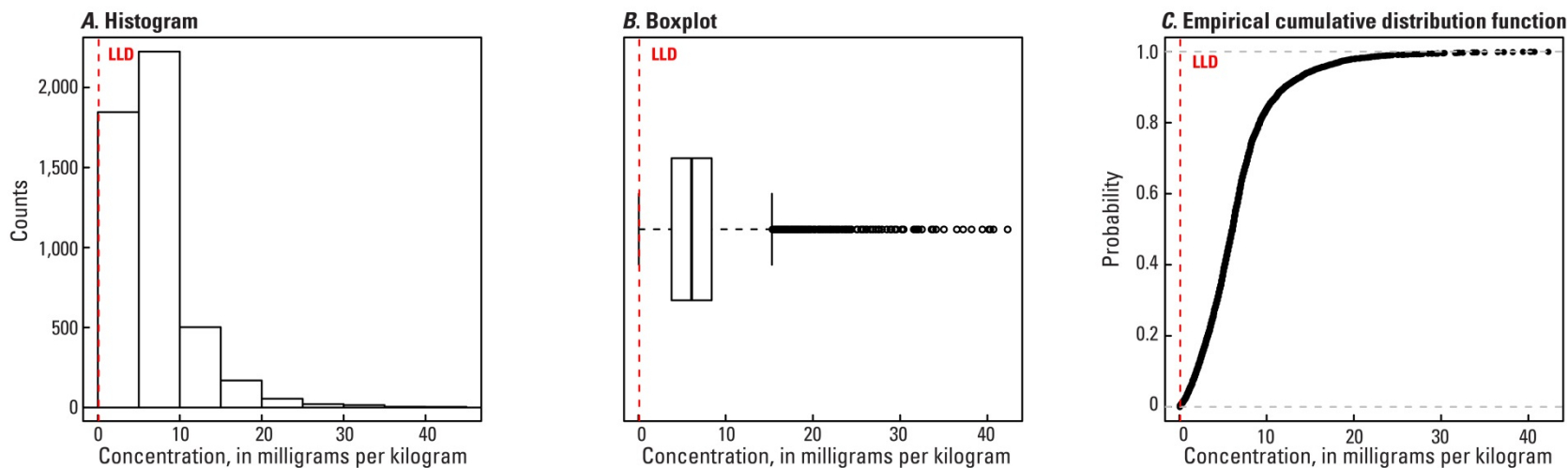
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Scandium (Sc) 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 = 20
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 1.2 milligrams per kilogram
 25 percentile = 3.8 milligrams per kilogram
 50 percentile = 6.1 milligrams per kilogram
 75 percentile = 8.4 milligrams per kilogram
 95 percentile = 15.6 milligrams per kilogram
 Maximum = 42.3 milligrams per kilogram
 MAD = 3.41 milligrams per kilogram
 Robust CV = 55.9 %

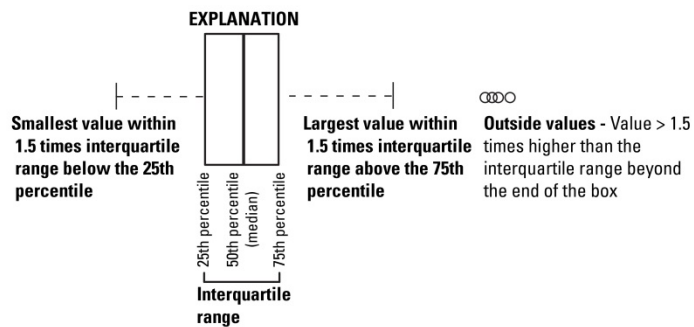


Figure 92. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

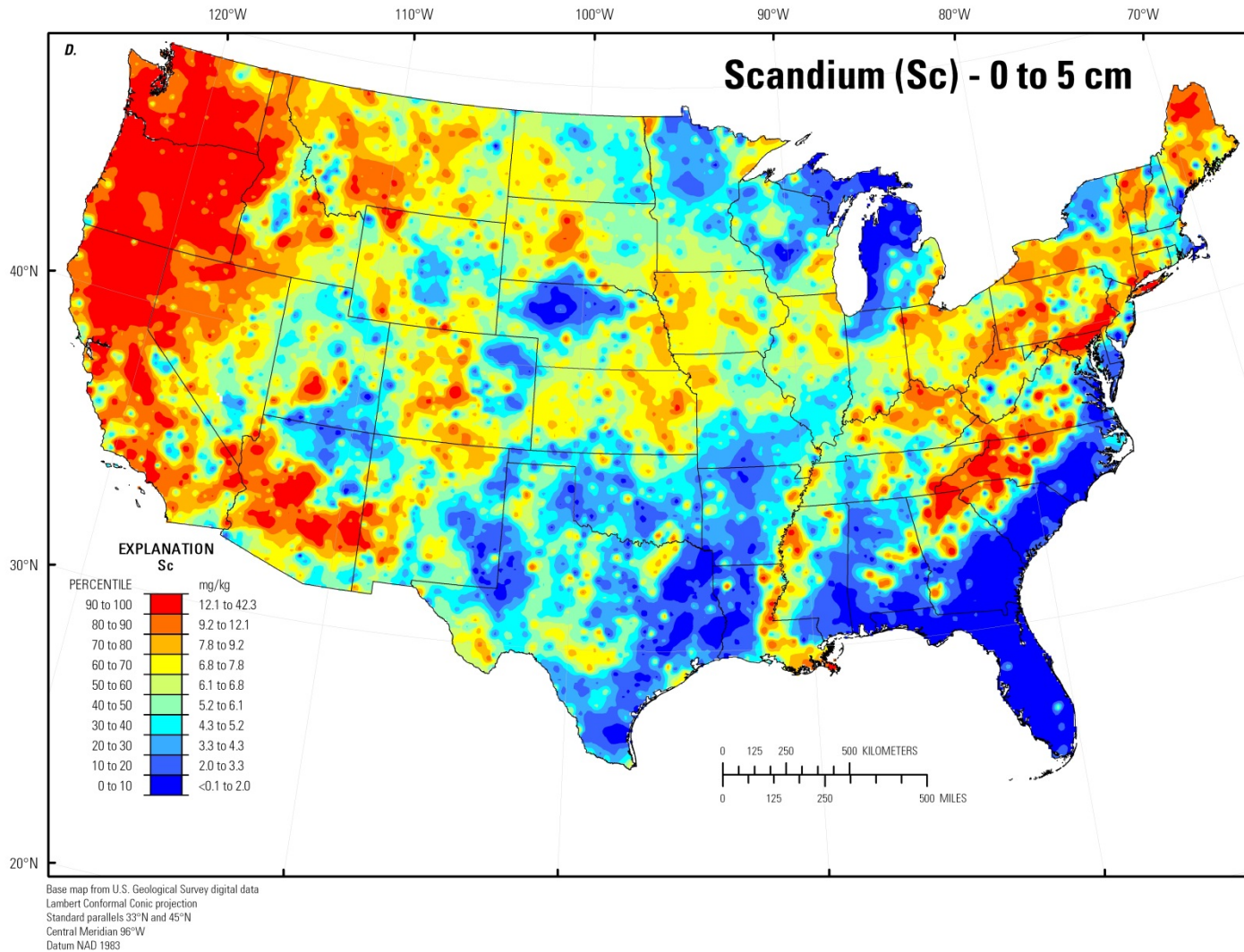
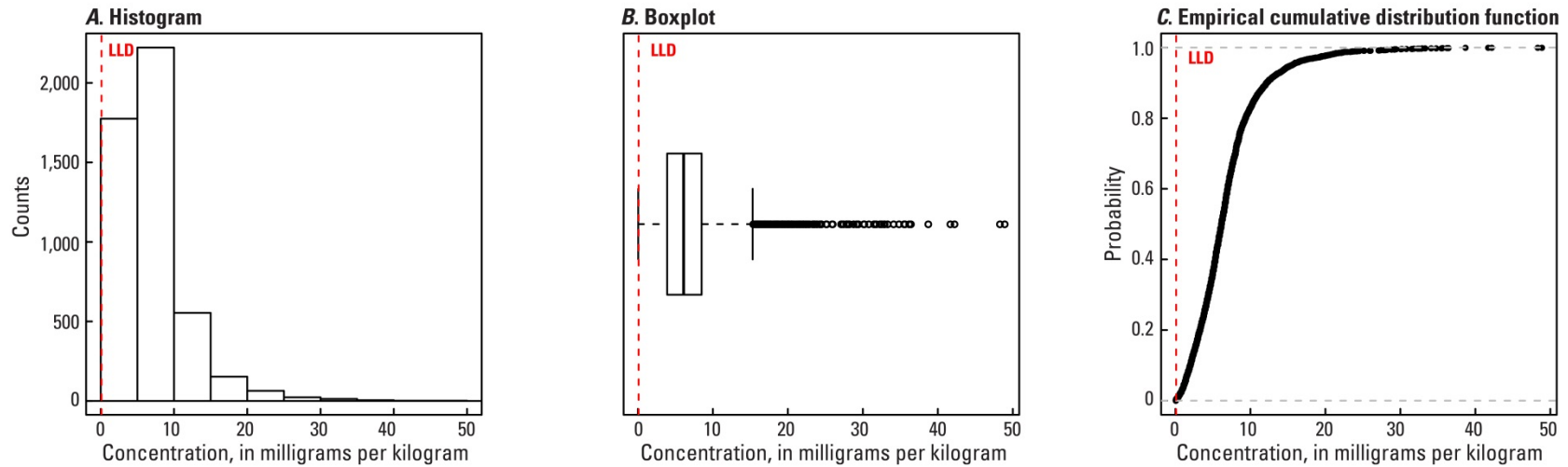


Figure 92. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Scandium (Sc) in soil A horizon



Number of samples = 4,813
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 10
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 1.3 milligrams per kilogram
 25 percentile = 3.9 milligrams per kilogram
 50 percentile = 6.1 milligrams per kilogram
 75 percentile = 8.5 milligrams per kilogram
 95 percentile = 15.5 milligrams per kilogram
 Maximum = 48.9 milligrams per kilogram
 MAD = 3.41 milligrams per kilogram
 Robust CV = 55.9 %

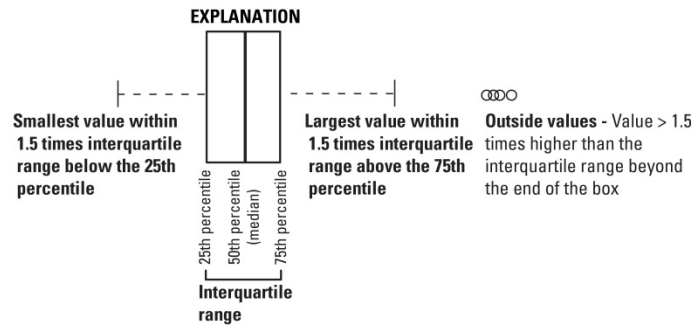


Figure 93. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

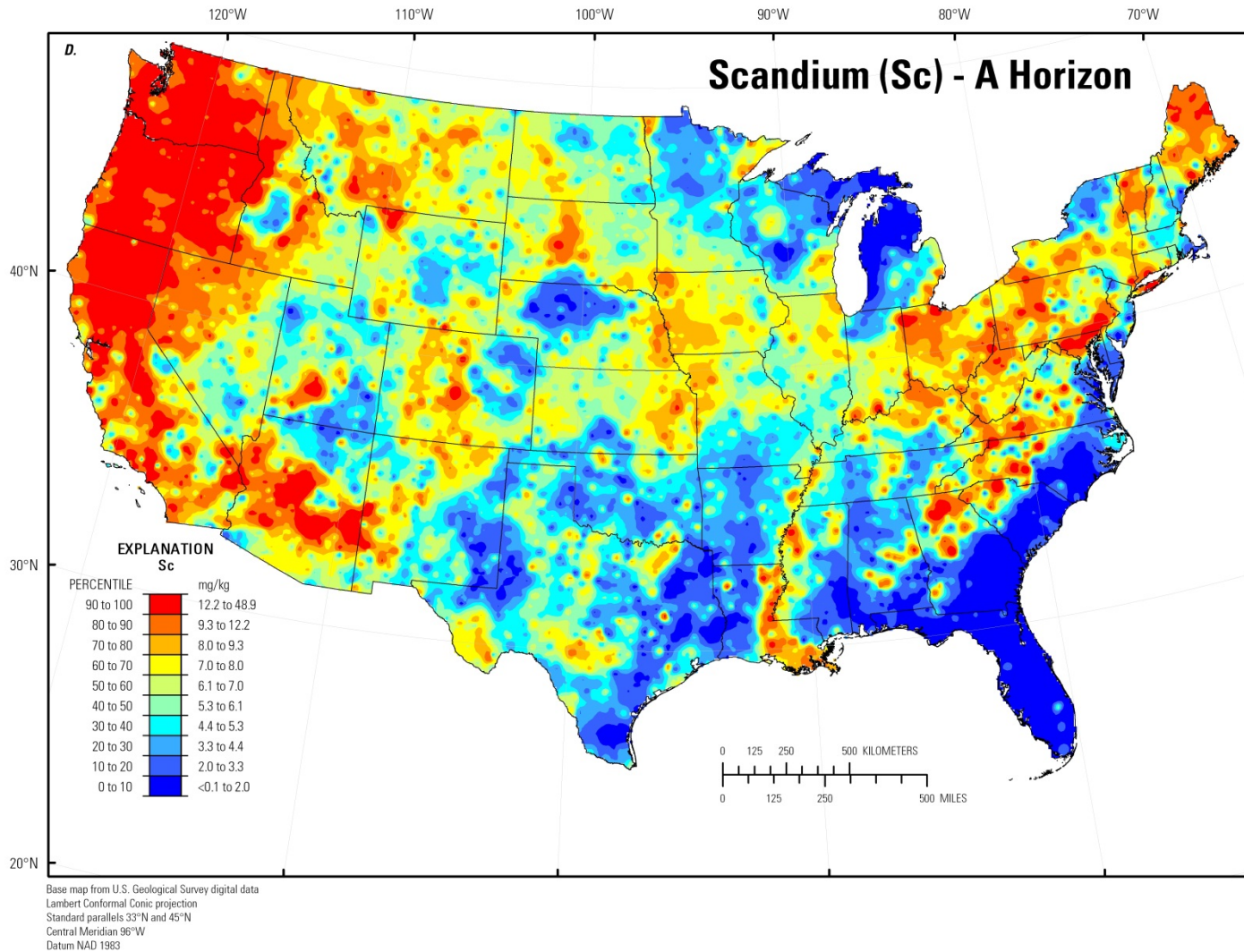
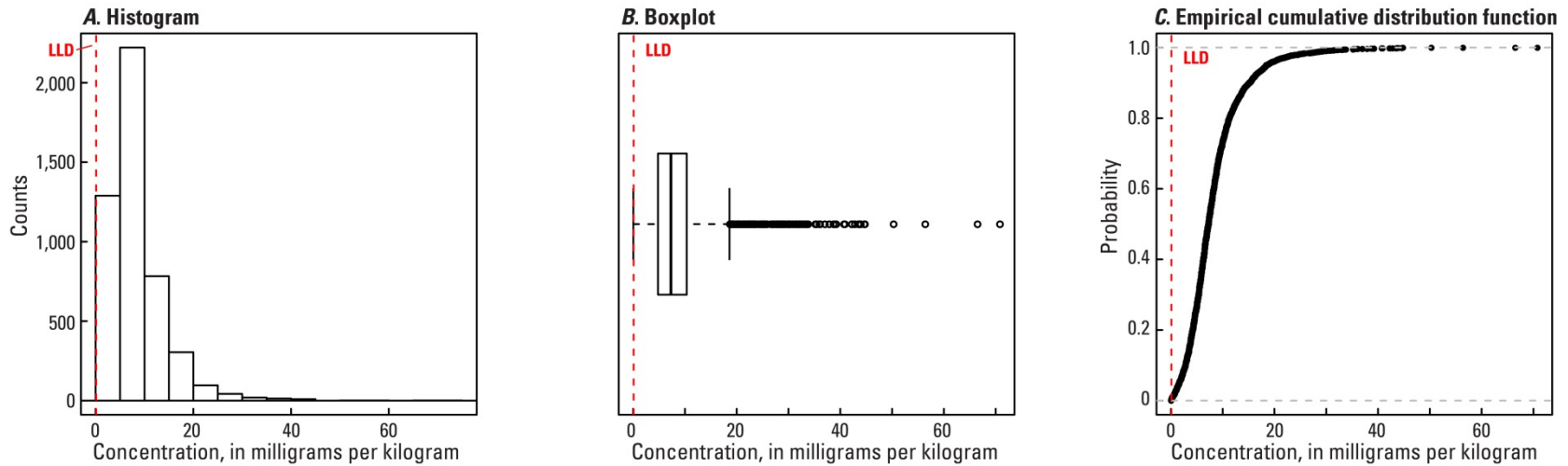


Figure 93. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Scandium (Sc) in soil C horizon



Number of samples = 4,780
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 9
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 1.6 milligrams per kilogram
 25 percentile = 4.8 milligrams per kilogram
 50 percentile = 7.3 milligrams per kilogram
 75 percentile = 10.3 milligrams per kilogram
 95 percentile = 18.4 milligrams per kilogram
 Maximum = 70.8 milligrams per kilogram
 MAD = 4 milligrams per kilogram
 Robust CV = 54.8 %

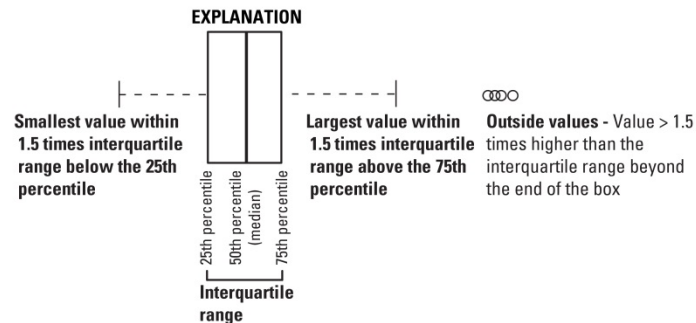


Figure 94. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

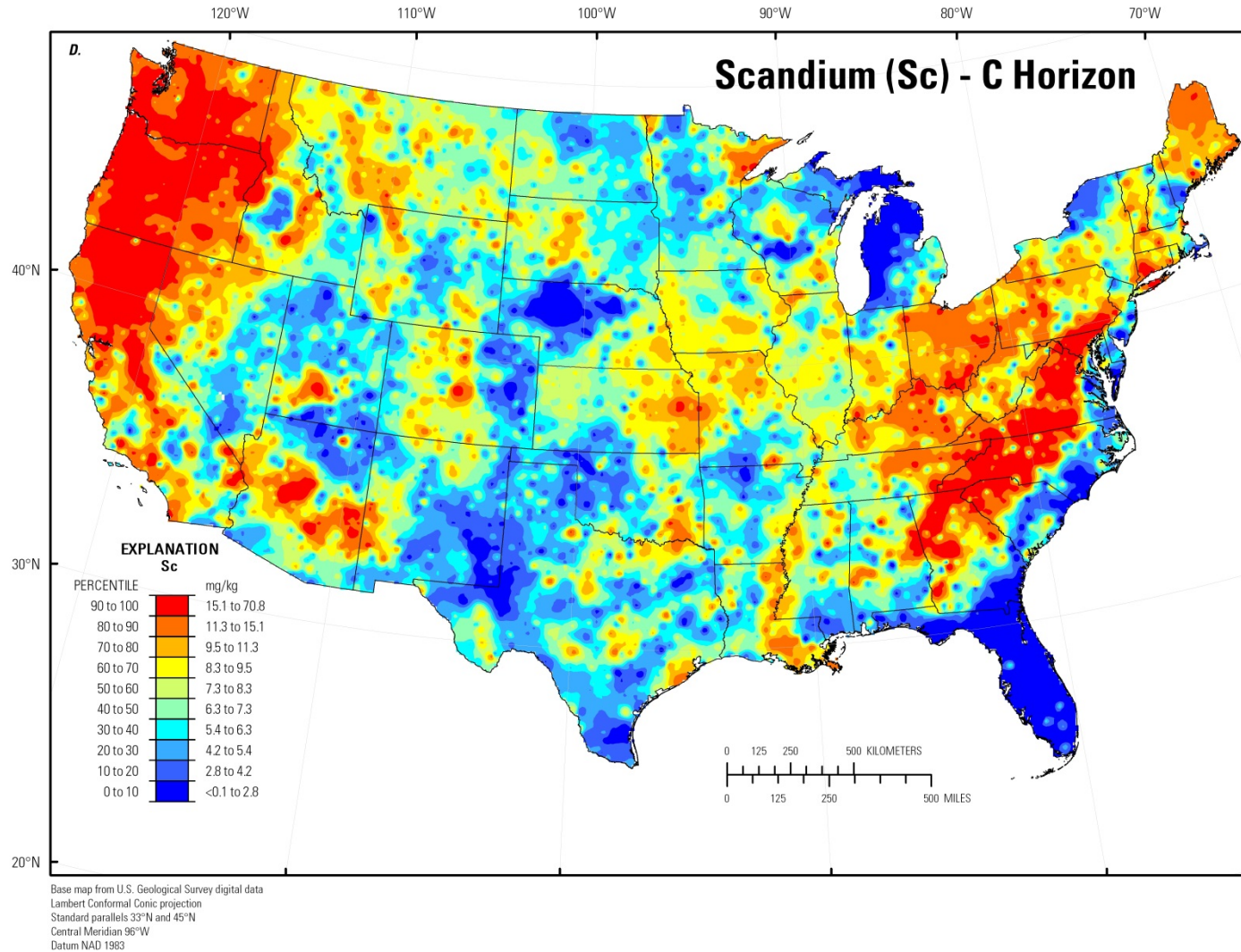


Figure 94. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of scandium (Sc) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued