



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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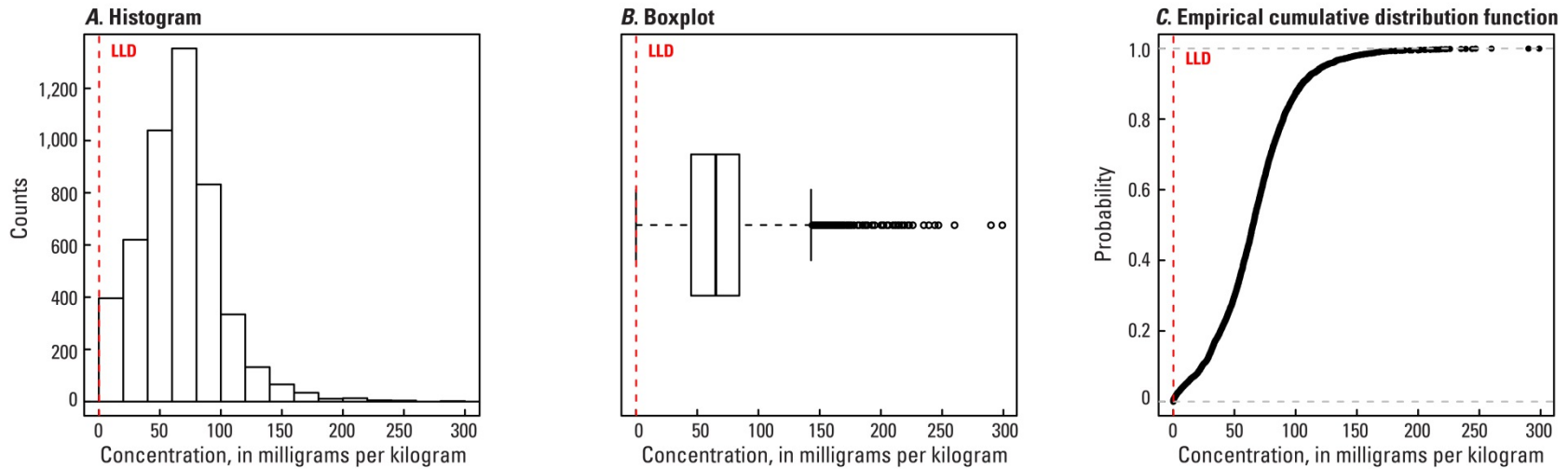
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Rubidium (Rb) 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 = 14
 Minimum = <0.2 milligrams per kilogram
 5 percentile = 10.3 milligrams per kilogram
 25 percentile = 45.0 milligrams per kilogram
 50 percentile = 65.2 milligrams per kilogram
 75 percentile = 84.4 milligrams per kilogram
 95 percentile = 123 milligrams per kilogram
 Maximum = 299 milligrams per kilogram
 MAD = 29.2 milligrams per kilogram
 Robust CV = 44.8 %

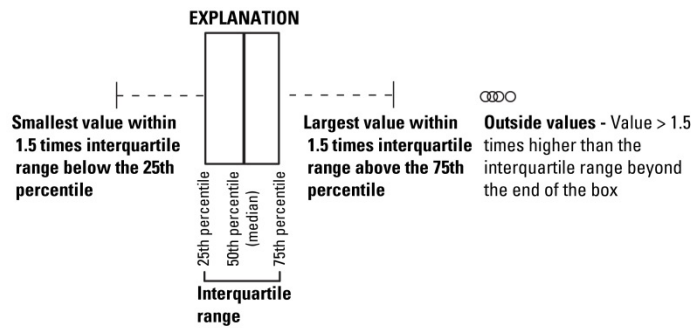


Figure 89. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

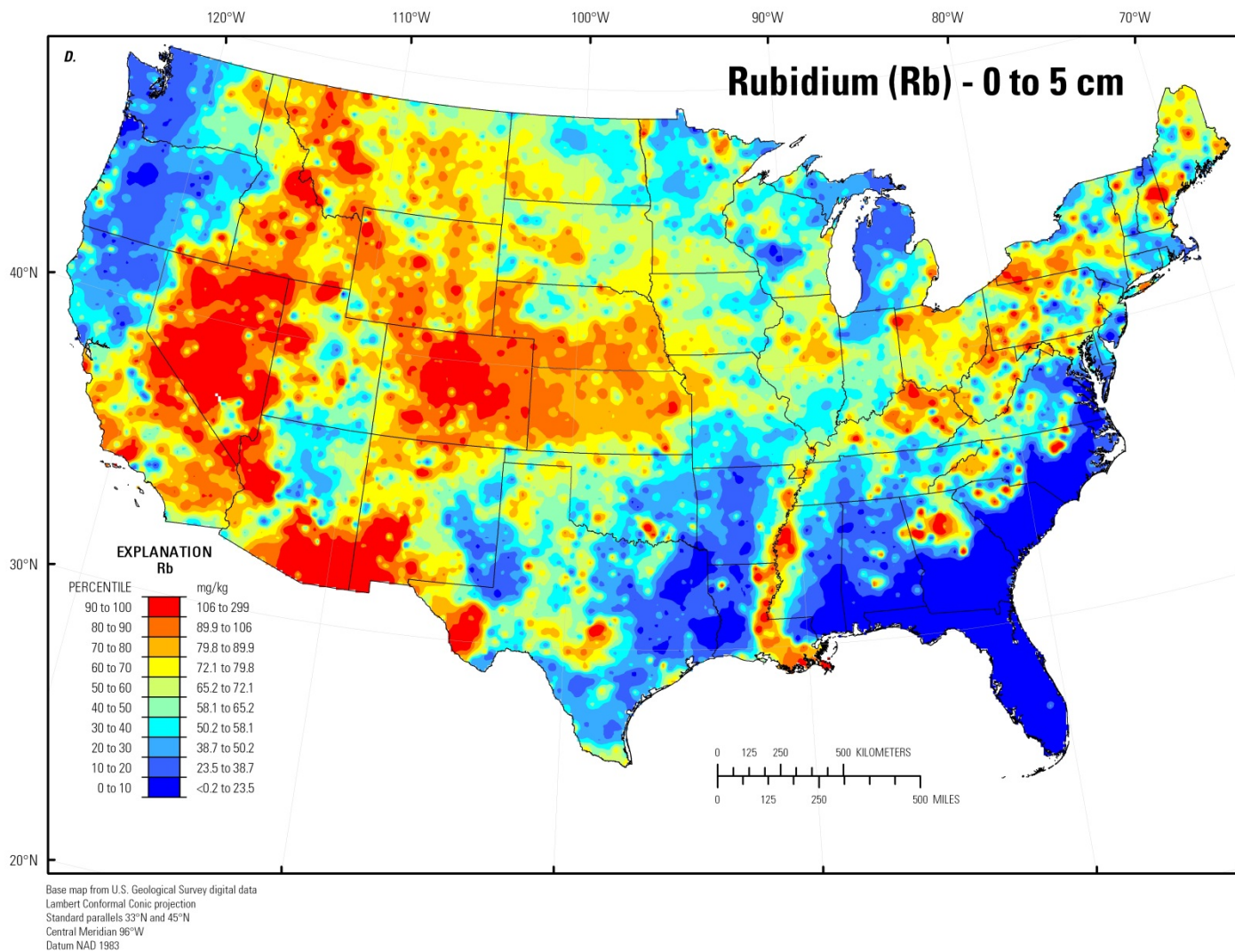
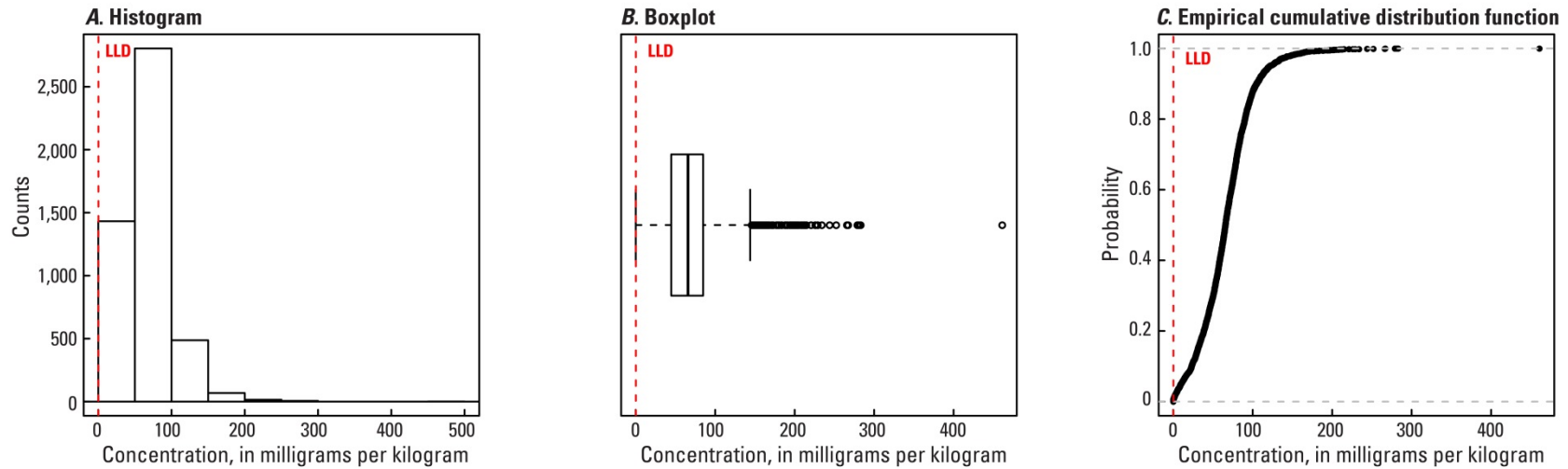


Figure 89. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Rubidium (Rb) in soil A horizon



Number of samples = 4,813
 LLD = 0.2 milligrams per kilogram
 Number below LLD = 14
 Minimum = <0.2 milligrams per kilogram
 5 percentile = 10.0 milligrams per kilogram
 25 percentile = 44.7 milligrams per kilogram
 50 percentile = 65.8 milligrams per kilogram
 75 percentile = 84.8 milligrams per kilogram
 95 percentile = 122 milligrams per kilogram
 Maximum = 461 milligrams per kilogram
 MAD = 29.7 milligrams per kilogram
 Robust CV = 45.1 %

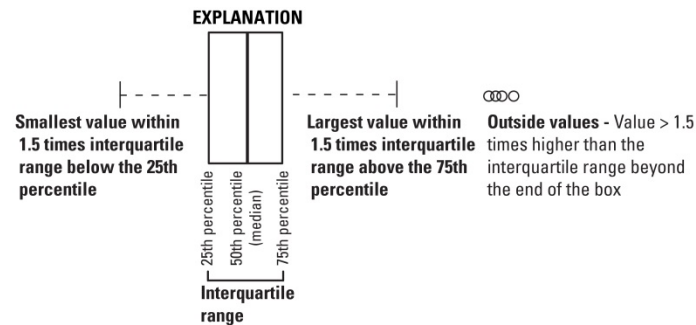


Figure 90. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

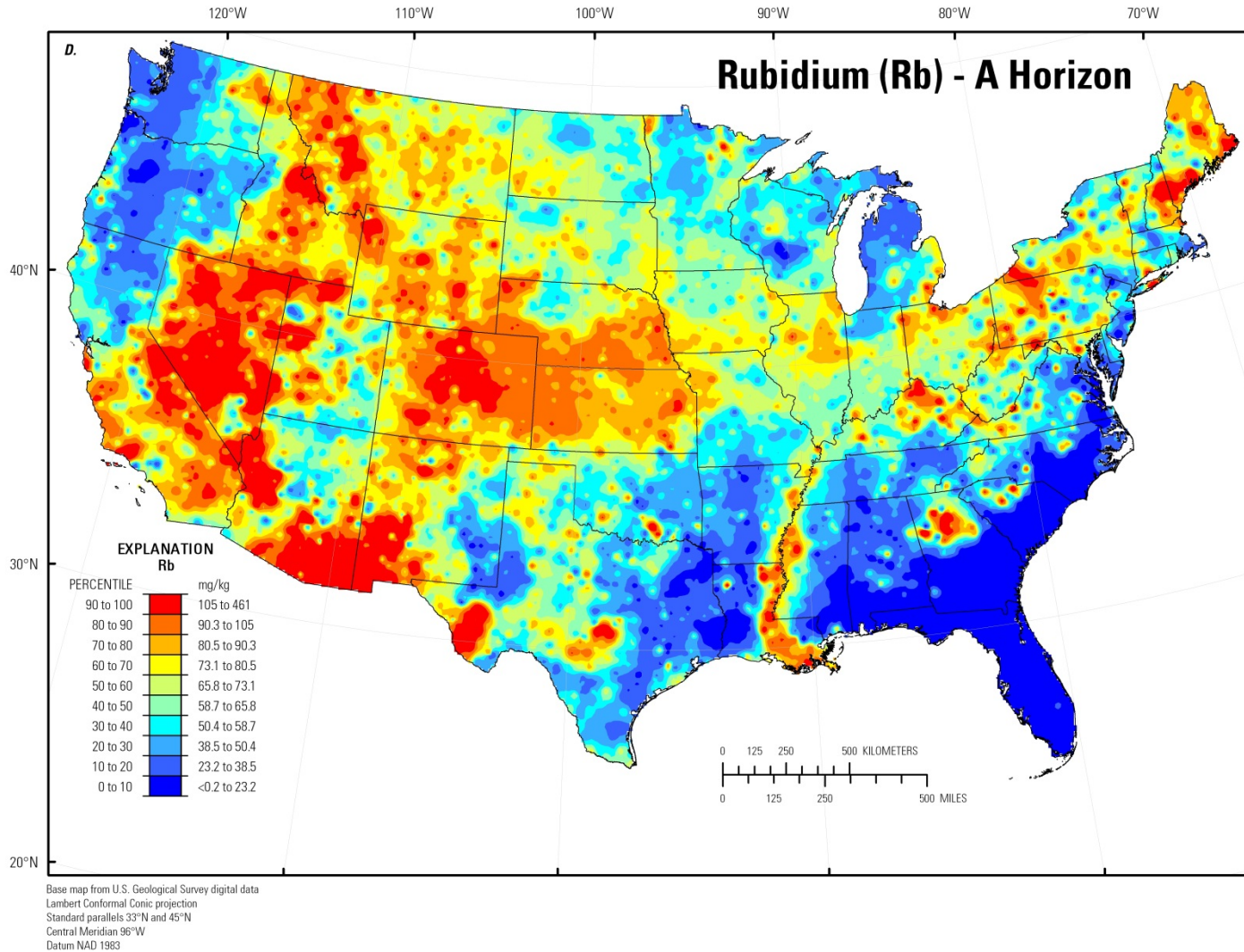
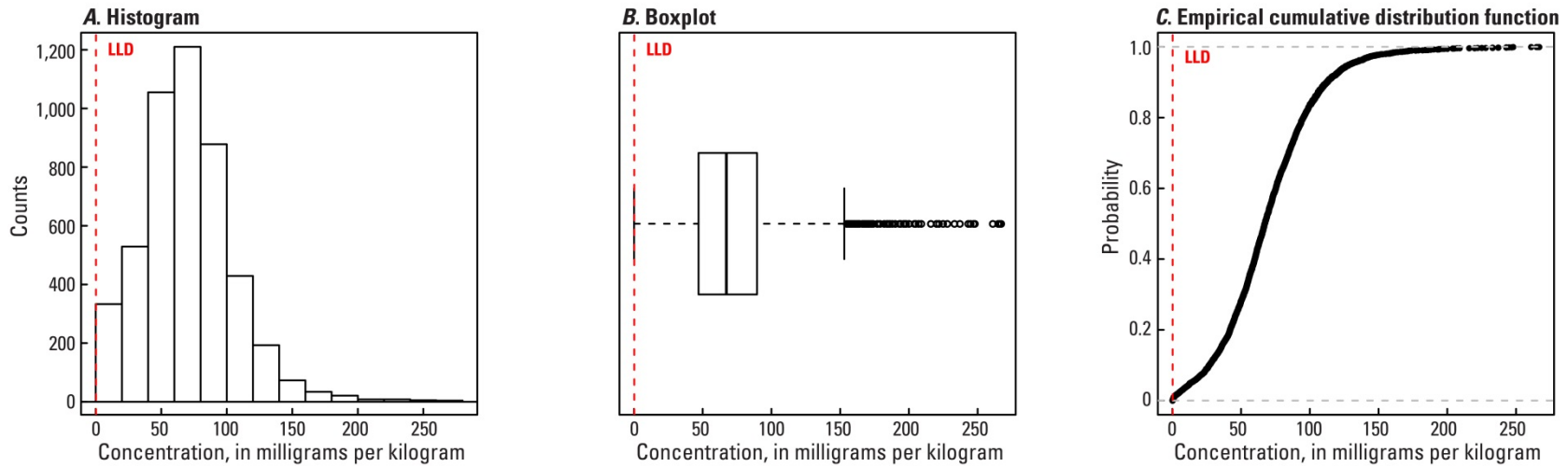


Figure 90. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Rubidium (Rb) 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 = 13.4 milligrams per kilogram
 25 percentile = 47.0 milligrams per kilogram
 50 percentile = 67.2 milligrams per kilogram
 75 percentile = 89.5 milligrams per kilogram
 95 percentile = 129 milligrams per kilogram
 Maximum = 267 milligrams per kilogram
 MAD = 31.7 milligrams per kilogram
 Robust CV = 47.2 %

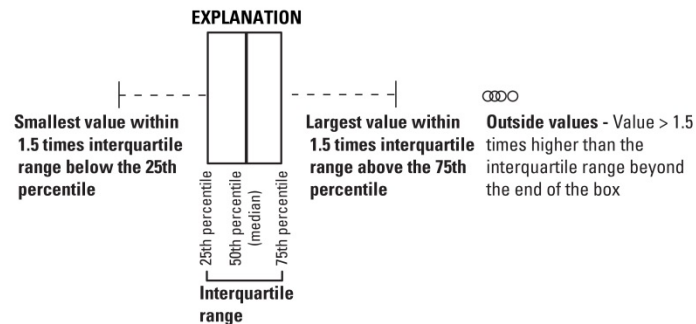


Figure 91. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

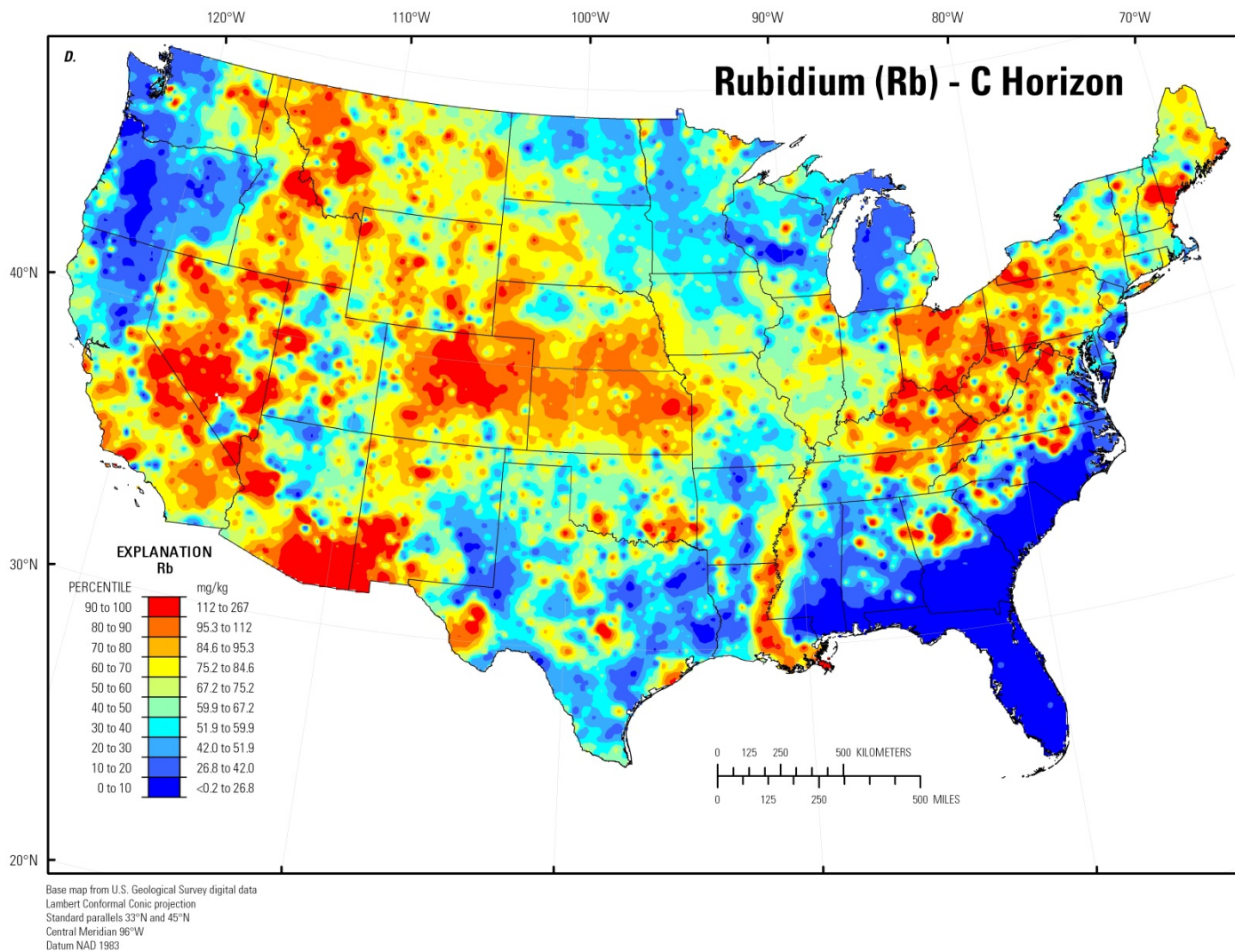


Figure 91. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of rubidium (Rb) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued