



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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Open-File Report 2014–1082

**U.S. Department of the Interior
U.S. Geological Survey**

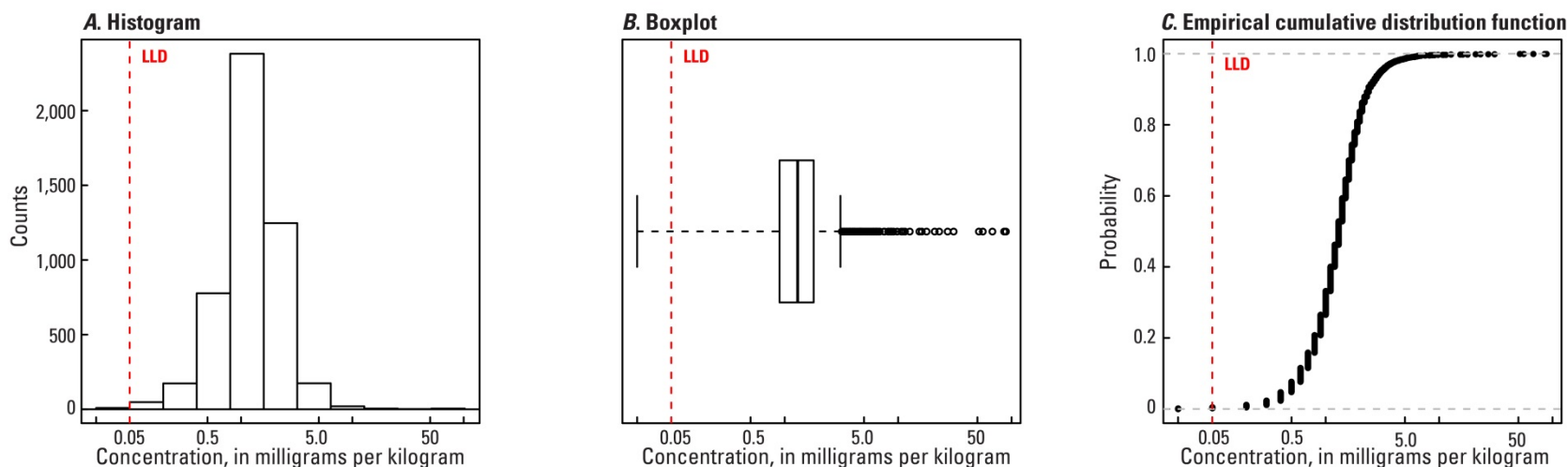
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Tin (Sn) 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 = 9
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.5 milligrams per kilogram
 25 percentile = 0.9 milligrams per kilogram
 50 percentile = 1.3 milligrams per kilogram
 75 percentile = 1.8 milligrams per kilogram
 95 percentile = 3.1 milligrams per kilogram
 Maximum = 88.9 milligrams per kilogram
 MAD = 0.593 milligrams per kilogram
 Robust CV = 45.6 %

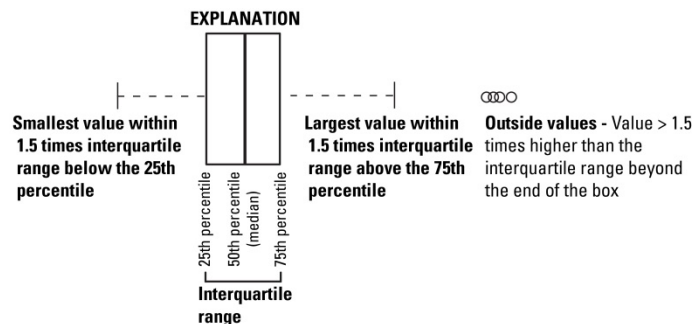


Figure 119. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

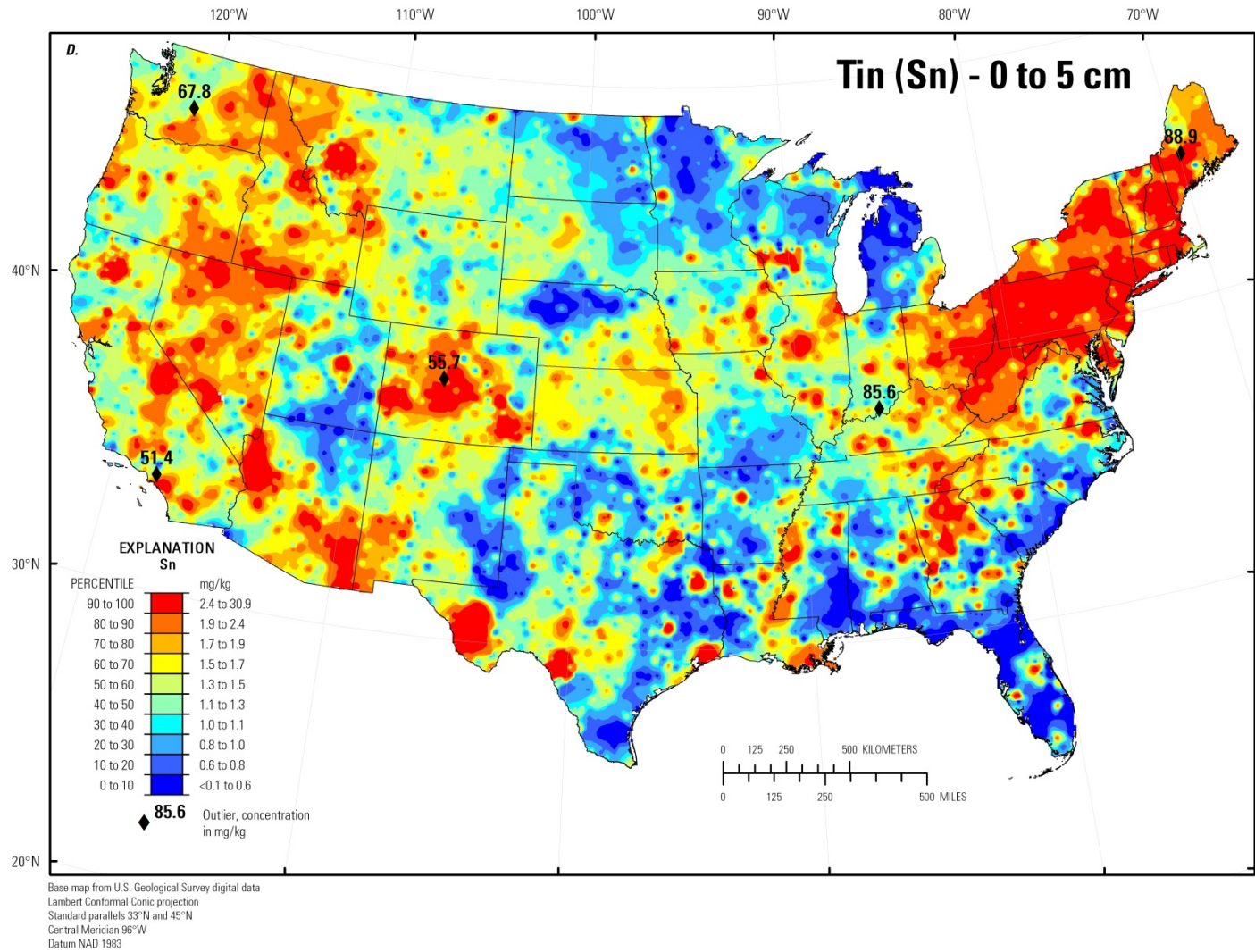
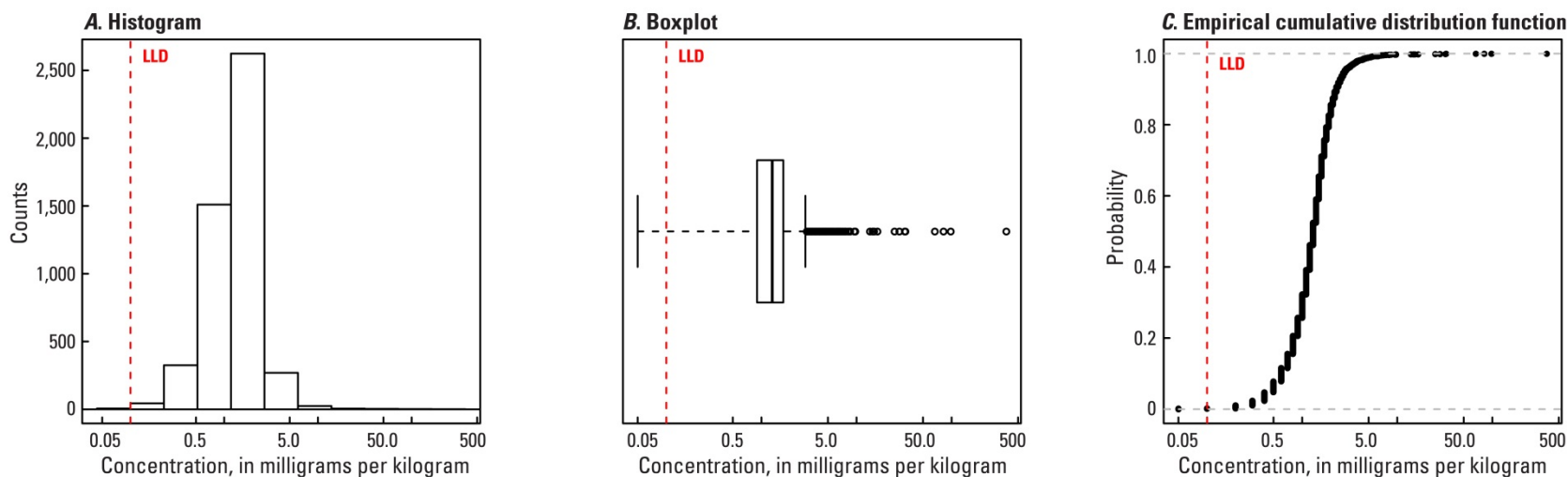


Figure 119. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Tin (Sn) 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 = 0.5 milligrams per kilogram

25 percentile = 0.9 milligrams per kilogram

50 percentile = 1.3 milligrams per kilogram

75 percentile = 1.7 milligrams per kilogram

95 percentile = 2.8 milligrams per kilogram

Maximum = 375 milligrams per kilogram

MAD = 0.593 milligrams per kilogram

Robust CV = 45.6 %

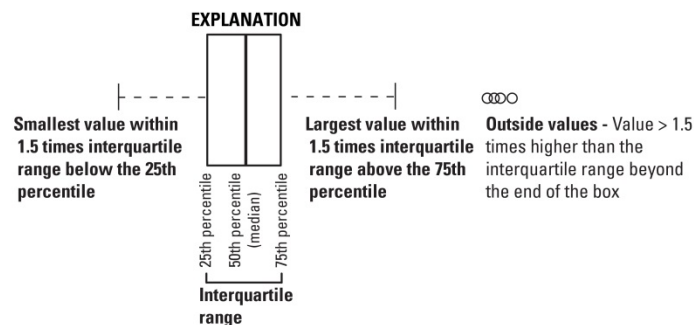


Figure 120. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

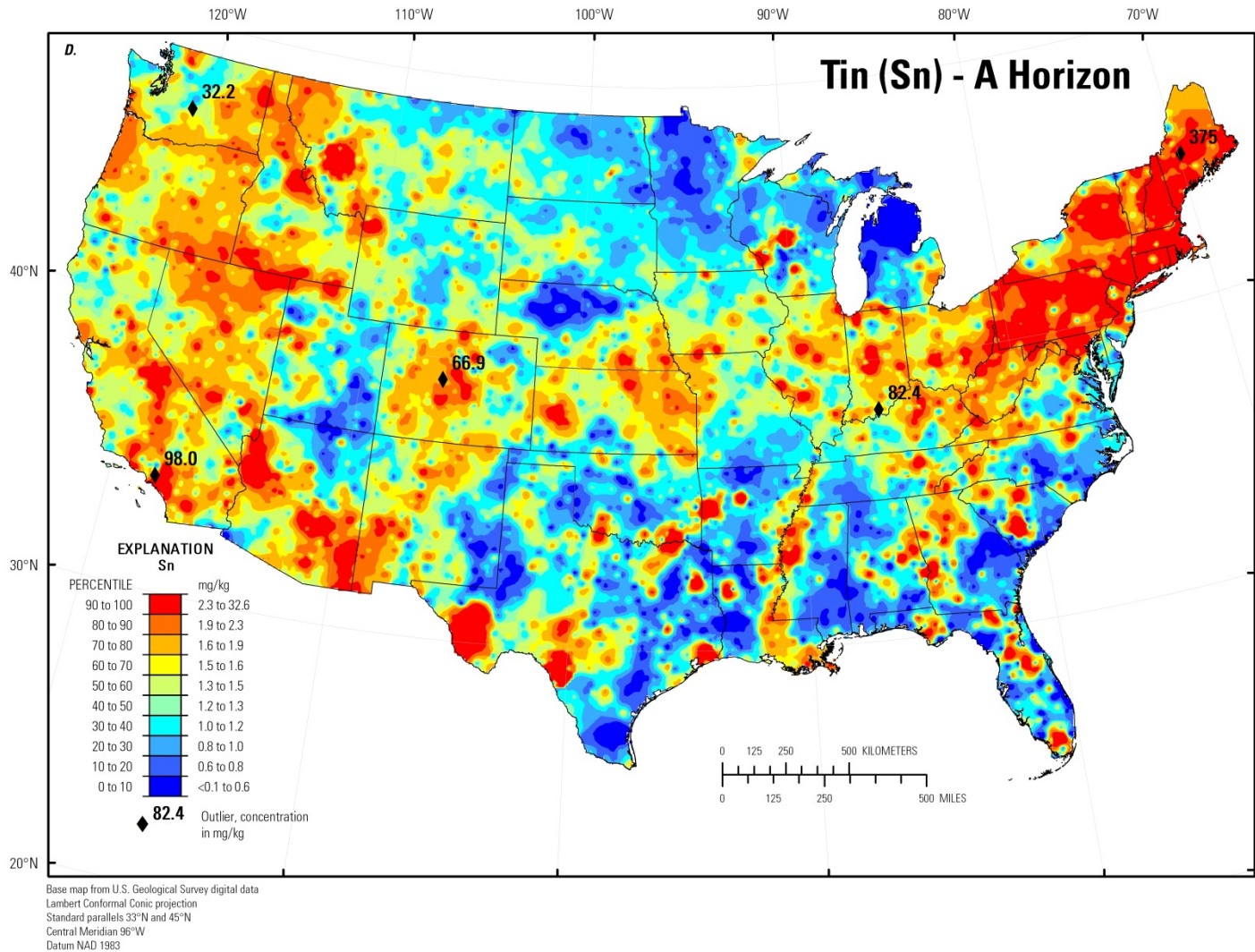
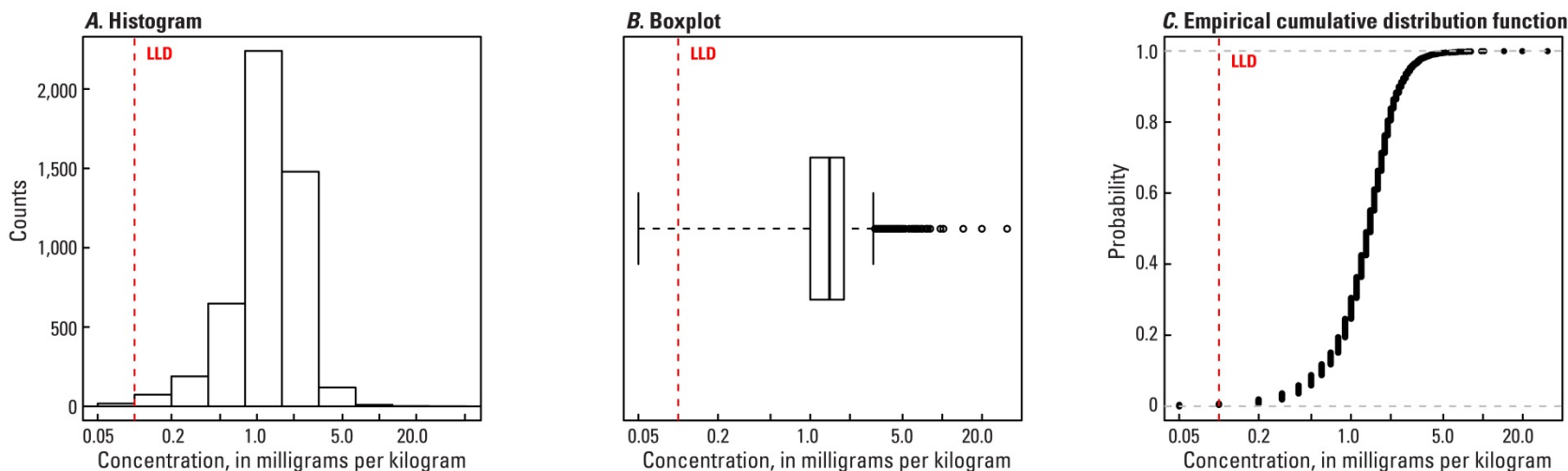


Figure 120. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Tin (Sn) in soil C horizon



Number of samples = 4,780
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 18
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.4 milligrams per kilogram
 25 percentile = 1.0 milligram per kilogram
 50 percentile = 1.4 milligrams per kilogram
 75 percentile = 1.8 milligrams per kilogram
 95 percentile = 2.8 milligrams per kilogram
 Maximum = 30.9 milligrams per kilogram
 MAD = 0.593 milligrams per kilogram
 Robust CV = 42.4 %

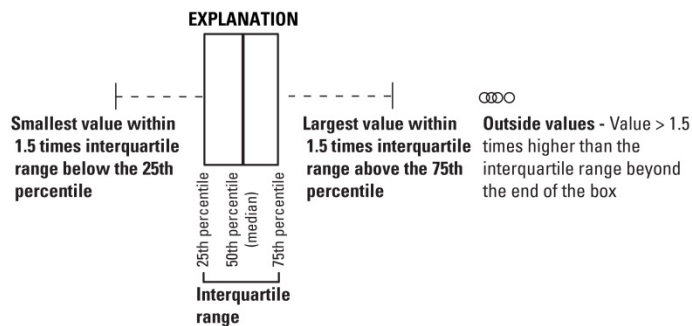


Figure 121. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

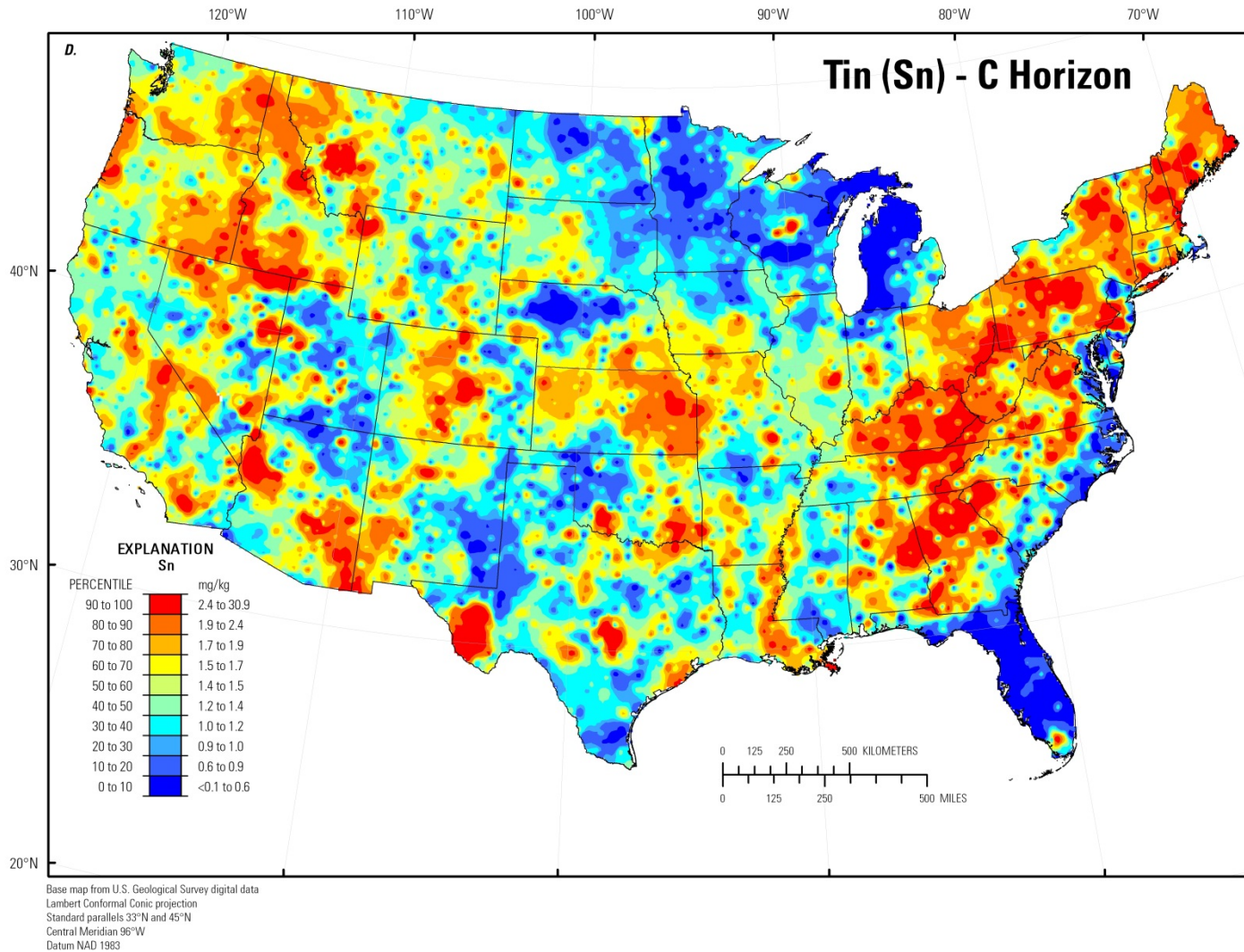


Figure 121. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tin (Sn) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued