



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

By David B. Smith, William F. Cannon, Laurel G. Woodruff, Federico Solano, and Karl J. Ellefsen

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U.S. Geological Survey**

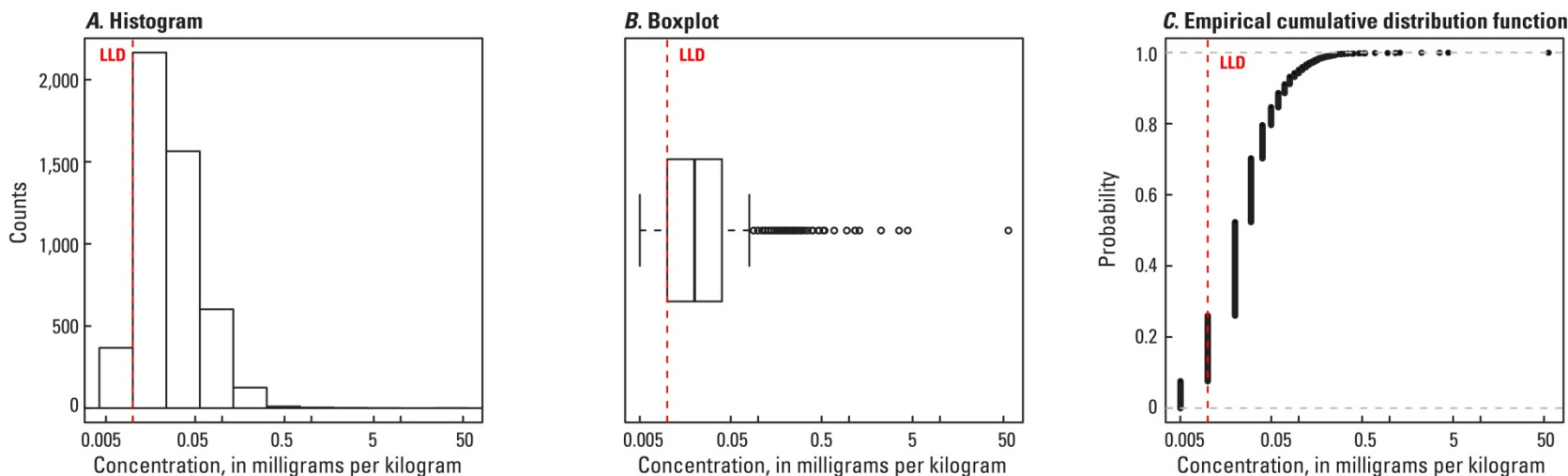
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Mercury (Hg) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 0.01 milligrams per kilogram
 Number below LLD = 367
 Minimum = <0.01 milligrams per kilogram
 5 percentile = <0.01 milligrams per kilogram
 25 percentile = 0.01 milligrams per kilogram
 50 percentile = 0.02 milligrams per kilogram
 75 percentile = 0.04 milligrams per kilogram
 95 percentile = 0.10 milligrams per kilogram
 Maximum = 56.4 milligrams per kilogram
 MAD = ND
 Robust CV = ND

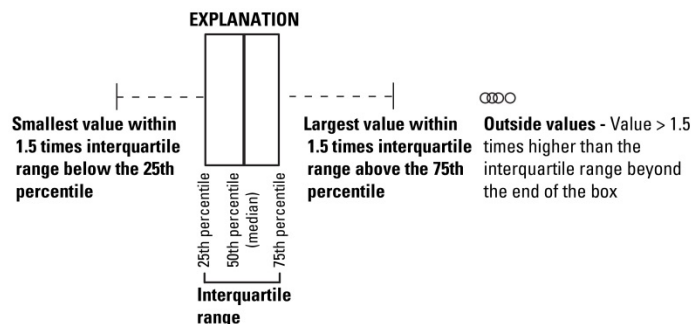


Figure 71. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligrams per kilogram; cm, centimeters).

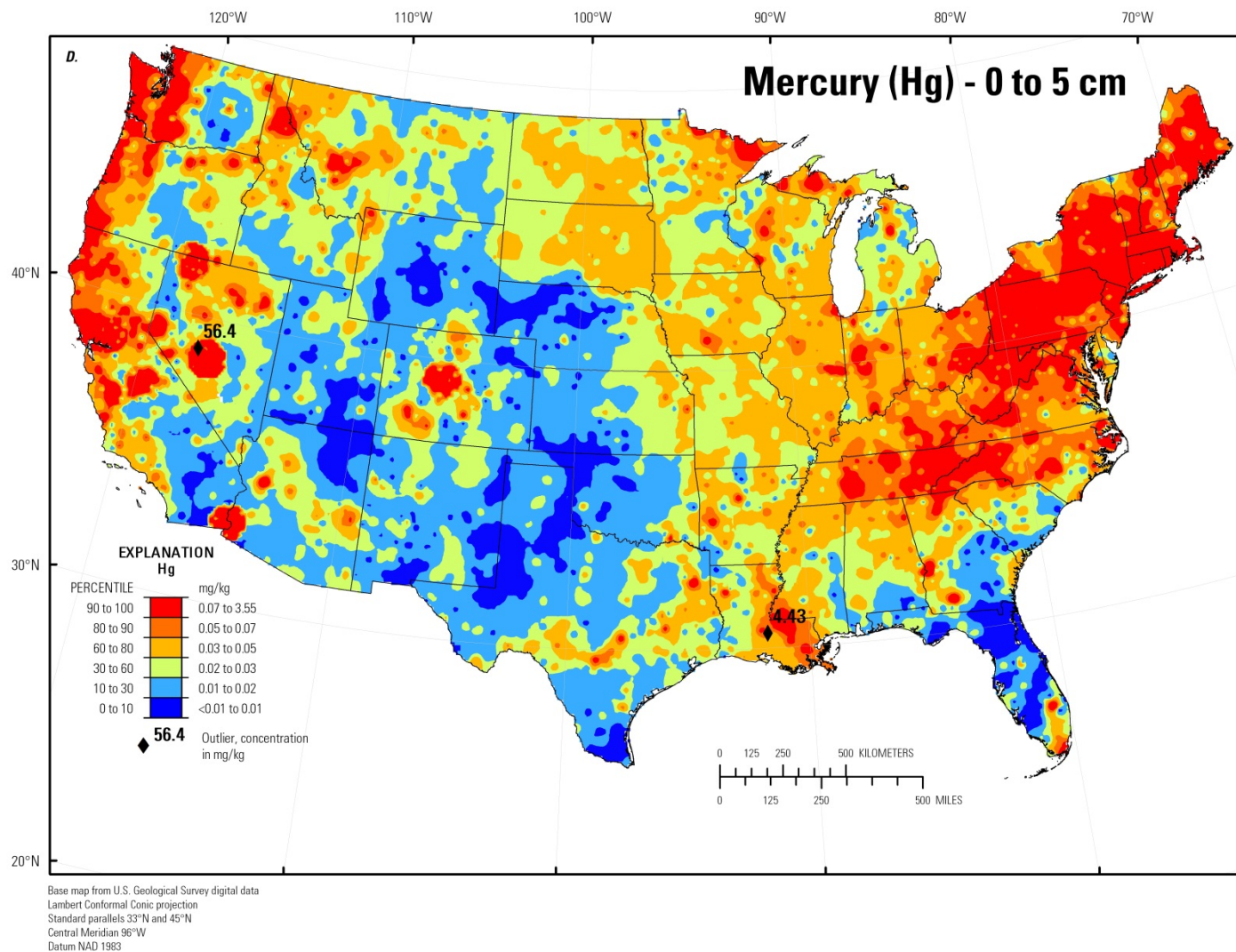
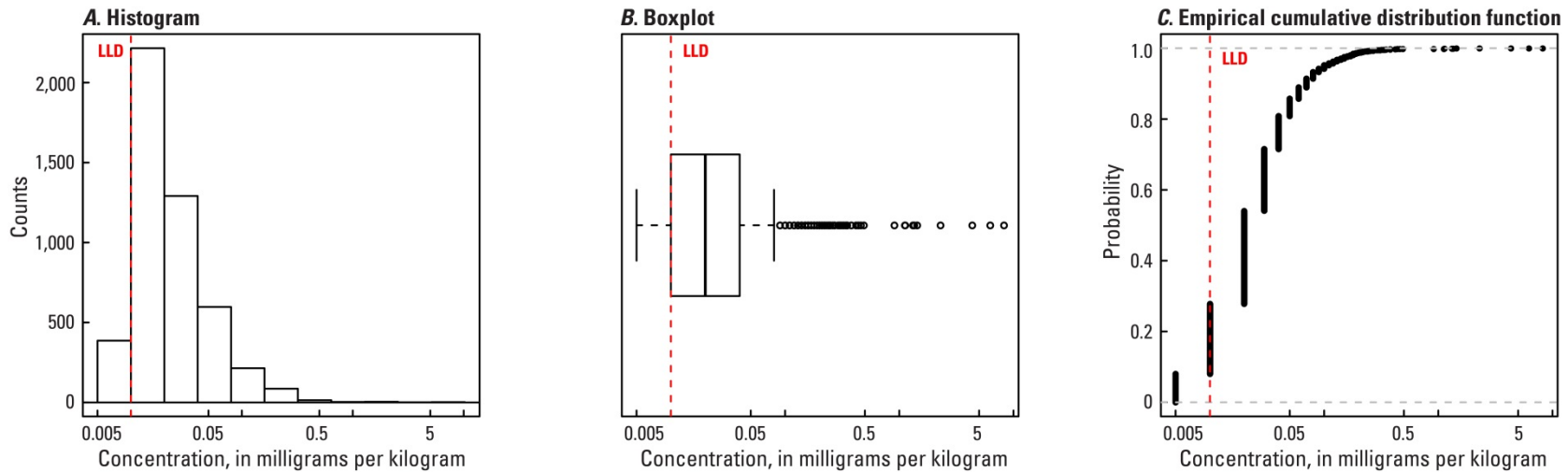


Figure 71. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Mercury (Hg) in soil A horizon



Number of samples = 4,813
 LLD = 0.01 milligrams per kilogram
 Number below LLD = 386
 Minimum = <0.01 milligrams per kilogram
 5 percentile = <0.01 milligrams per kilogram
 25 percentile = 0.01 milligrams per kilogram
 50 percentile = 0.02 milligrams per kilogram
 75 percentile = 0.04 milligrams per kilogram
 95 percentile = 0.10 milligrams per kilogram
 Maximum = 8.24 milligrams per kilogram
 MAD = ND
 Robust CV = ND

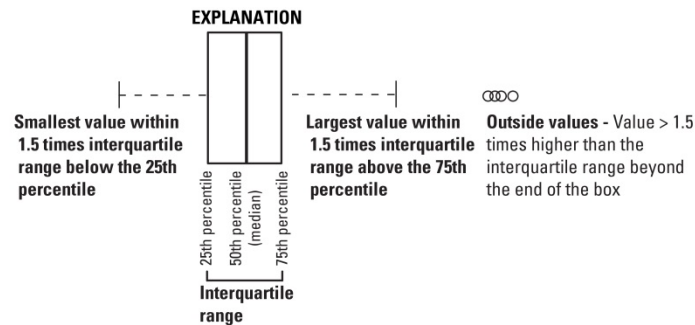


Figure 72. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligrams per kilogram).

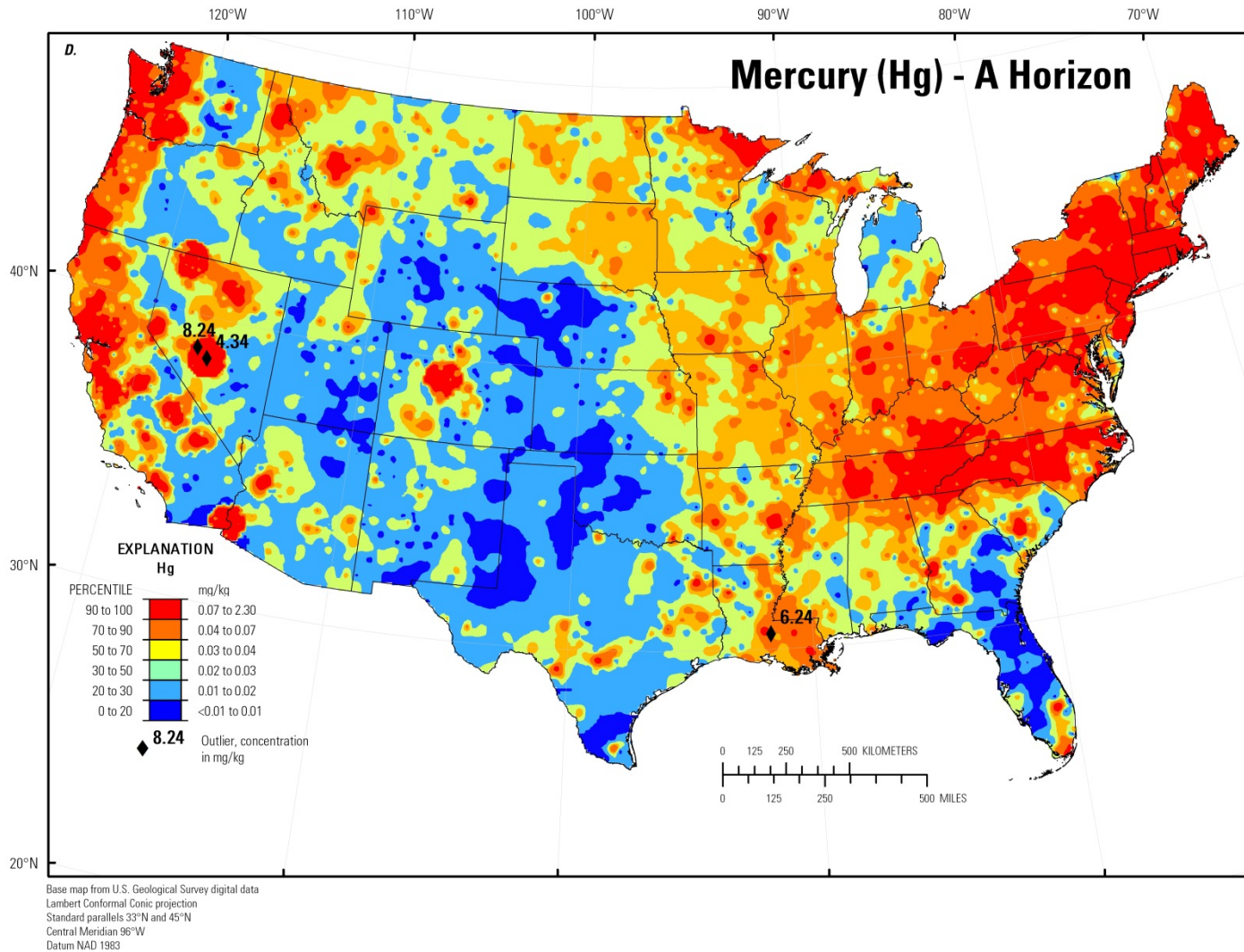
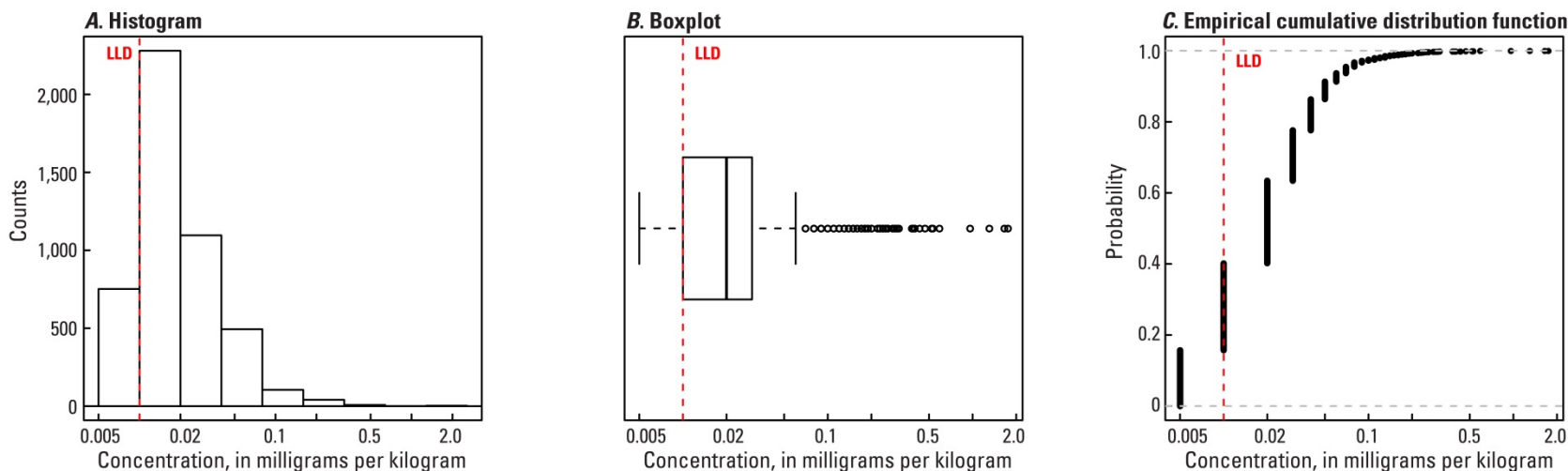


Figure 72. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligram per kilogram).—Continued

Mercury (Hg) in soil C horizon



Number of samples = 4,780
 LLD = 0.01 milligrams per kilogram
 Number below LLD = 752
 Minimum = <0.01 milligrams per kilogram
 5 percentile = <0.01 milligrams per kilogram
 25 percentile = 0.01 milligrams per kilogram
 50 percentile = 0.02 milligrams per kilogram
 75 percentile = 0.03 milligrams per kilogram
 95 percentile = 0.07 milligrams per kilogram
 Maximum = 1.75 milligrams per kilogram
 MAD = ND
 Robust CV = ND

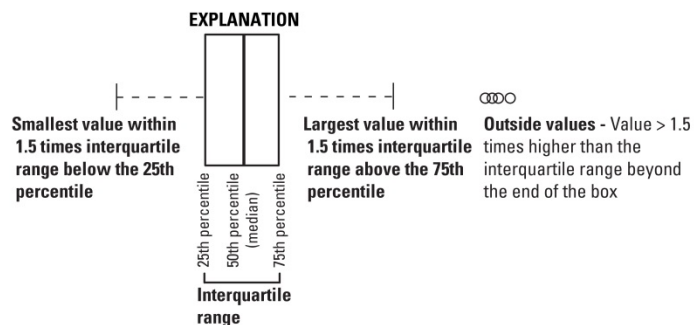


Figure 73. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligrams per kilogram).

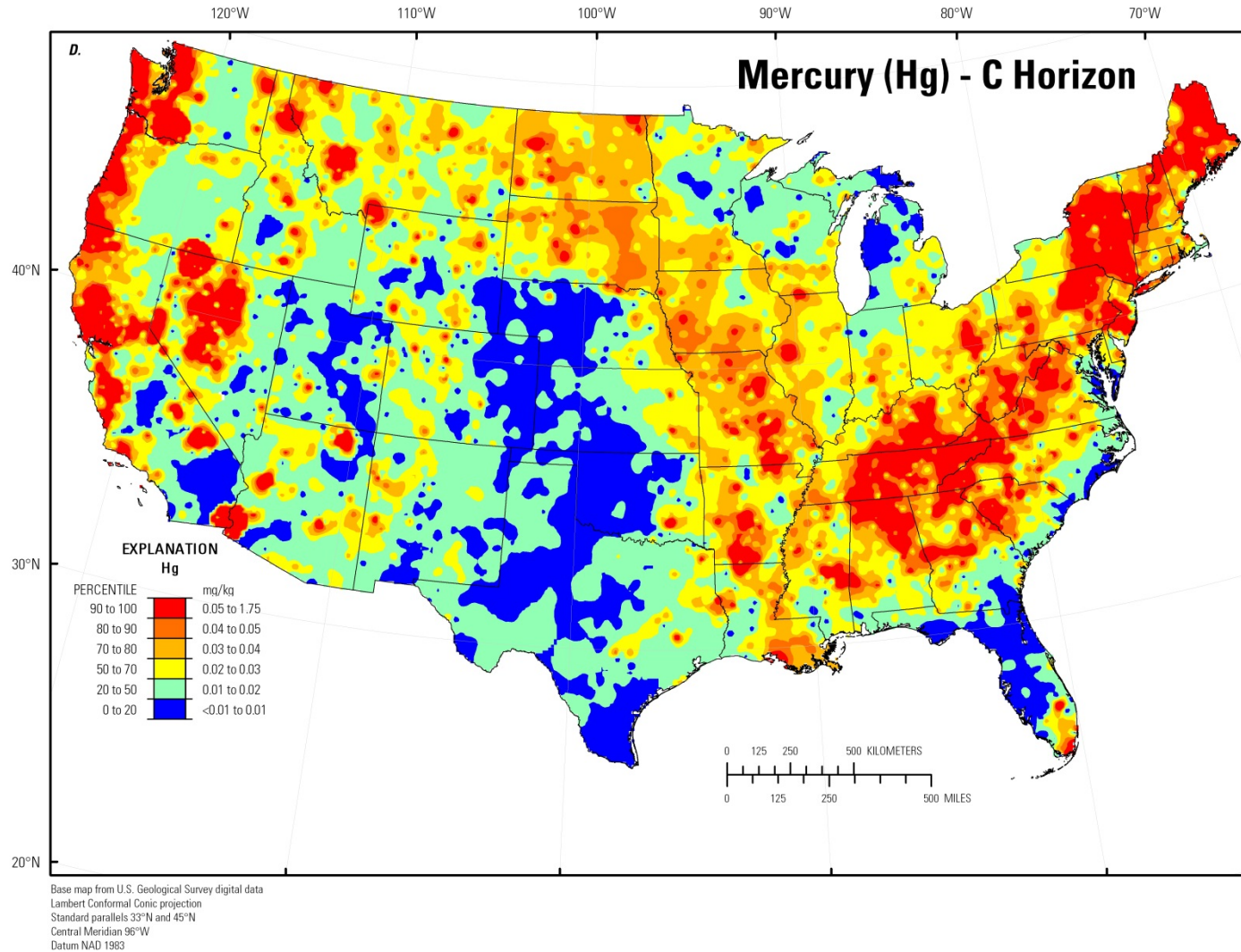


Figure 73. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of mercury (Hg) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; ND, not determined; mg/kg, milligrams per kilogram).—Continued