



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

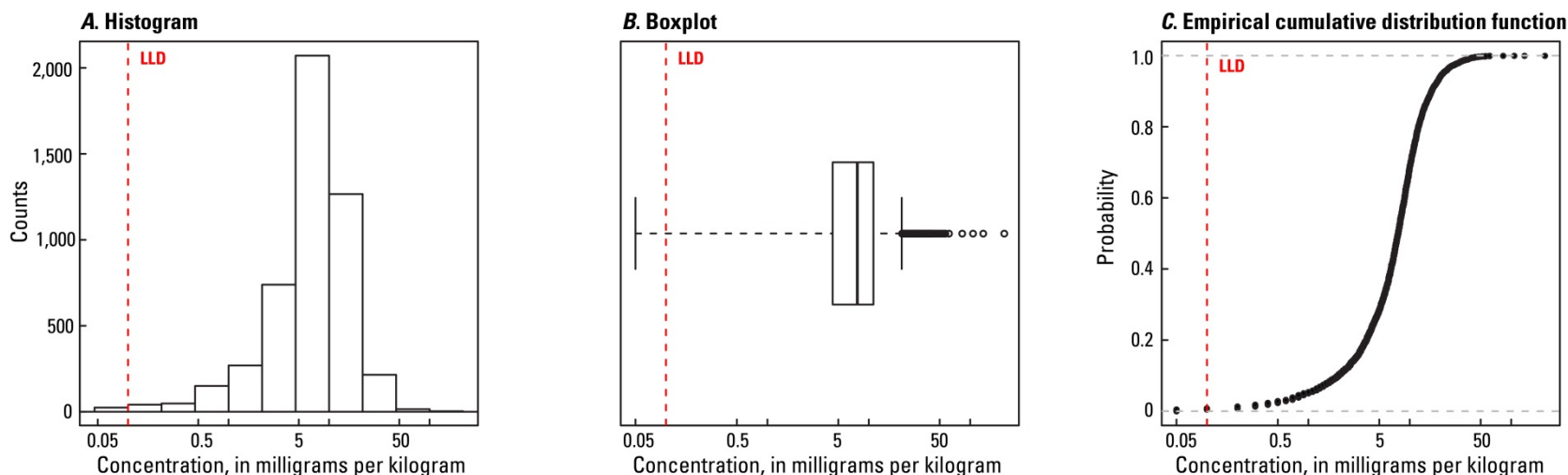
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Cobalt (Co) 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 = 24
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 0.9 milligrams per kilogram
 25 percentile = 4.4 milligrams per kilogram
 50 percentile = 7.7 milligrams per kilogram
 75 percentile = 11.1 milligrams per kilogram
 95 percentile = 21.2 milligrams per kilogram
 Maximum = 216 milligrams per kilogram
 MAD = 4.89 milligrams per kilogram
 Robust CV = 63.5 %

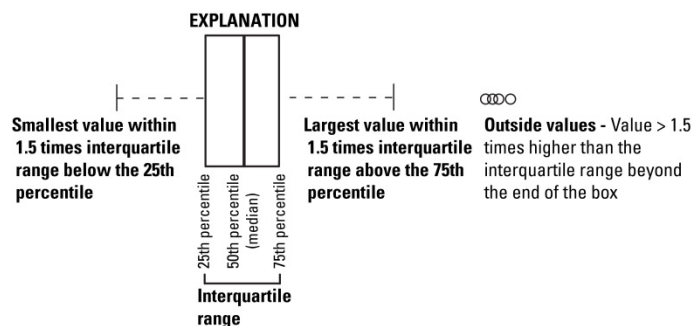


Figure 41. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

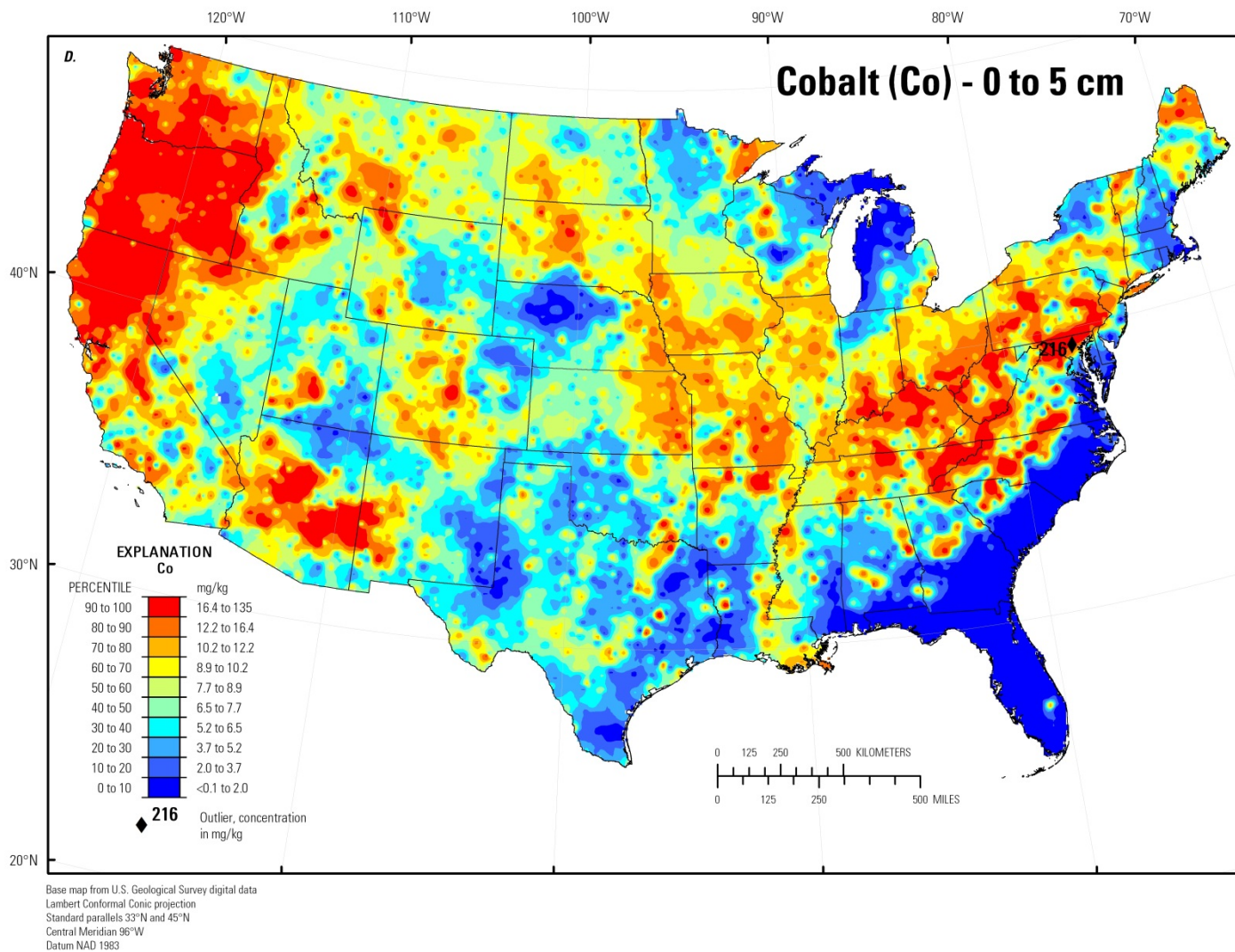
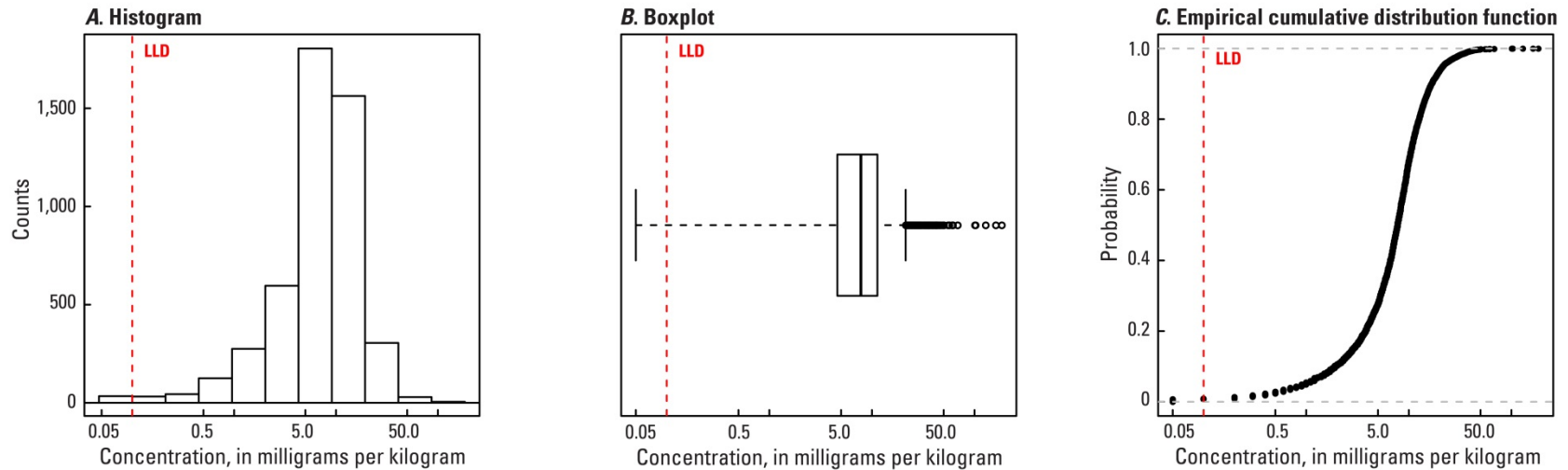


Figure 41. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Cobalt (Co) in soil A horizon



Number of samples = 4,813
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 34
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 1.0 milligram per kilogram
 25 percentile = 4.6 milligrams per kilogram
 50 percentile = 7.8 milligrams per kilogram
 75 percentile = 11.3 milligrams per kilogram
 95 percentile = 21.6 milligrams per kilogram
 Maximum = 184 milligrams per kilogram
 MAD = 4.89 milligrams per kilogram
 Robust CV = 62.7 %

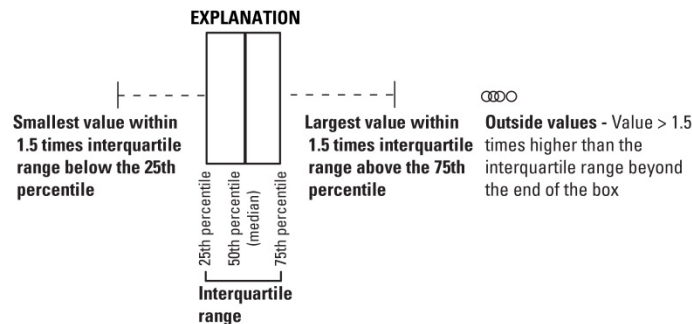


Figure 42. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

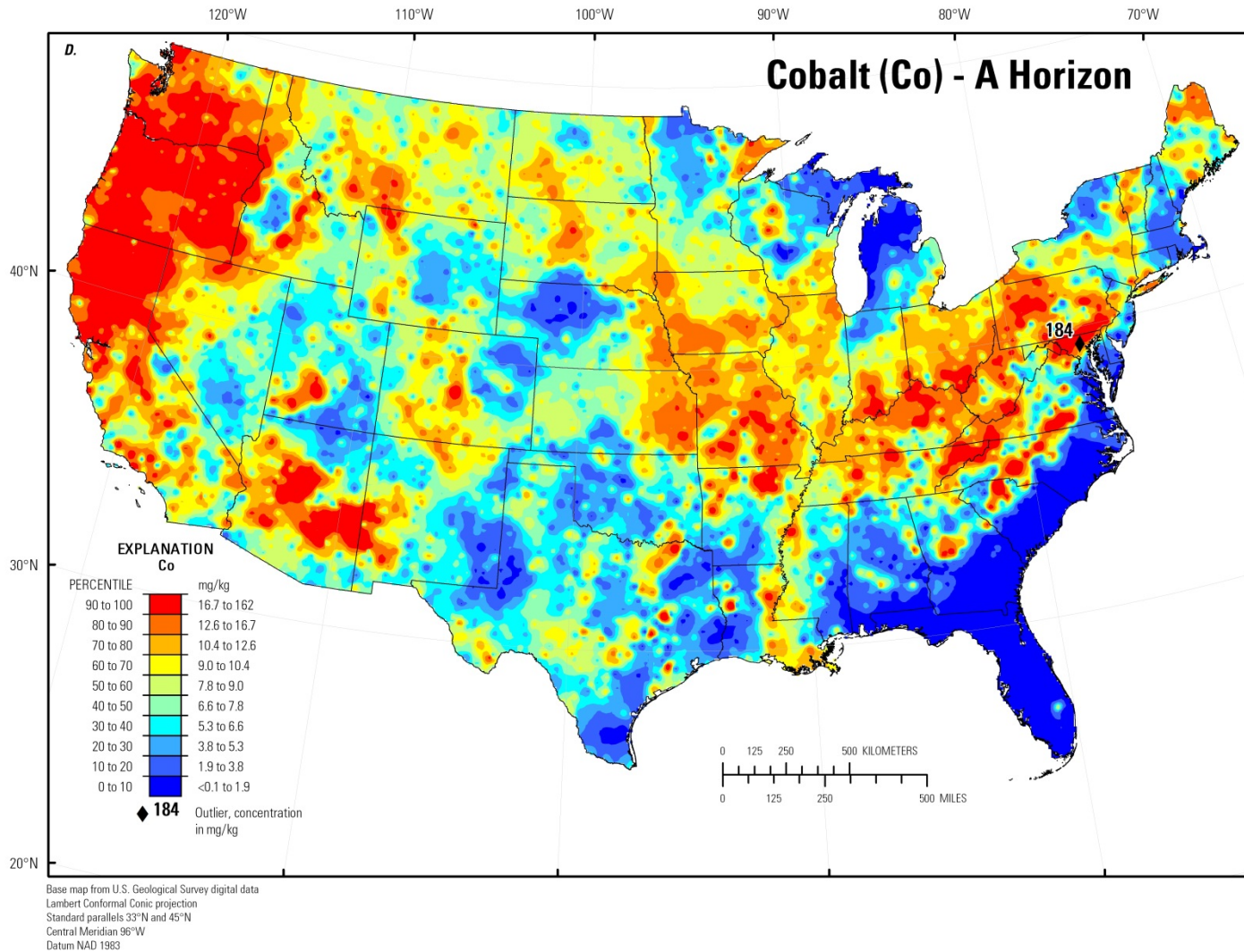
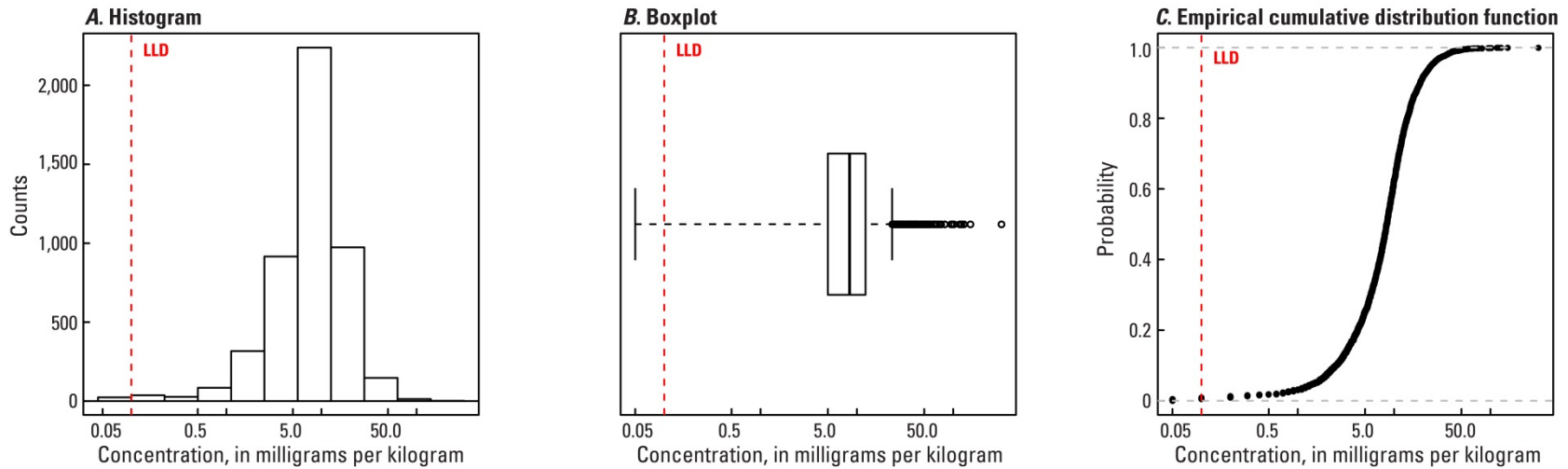


Figure 42. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Cobalt (Co) in soil C horizon



Number of samples = 4,780
 LLD = 0.1 milligrams per kilogram
 Number below LLD = 24
 Minimum = <0.1 milligrams per kilogram
 5 percentile = 1.5 milligrams per kilogram
 25 percentile = 5.0 milligrams per kilogram
 50 percentile = 8.4 milligrams per kilogram
 75 percentile = 12.3 milligrams per kilogram
 95 percentile = 24.4 milligrams per kilogram
 Maximum = 316 milligrams per kilogram
 MAD = 5.34 milligrams per kilogram
 Robust CV = 63.5 %

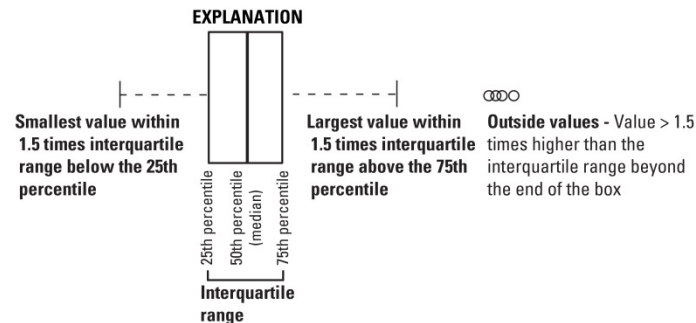


Figure 43. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

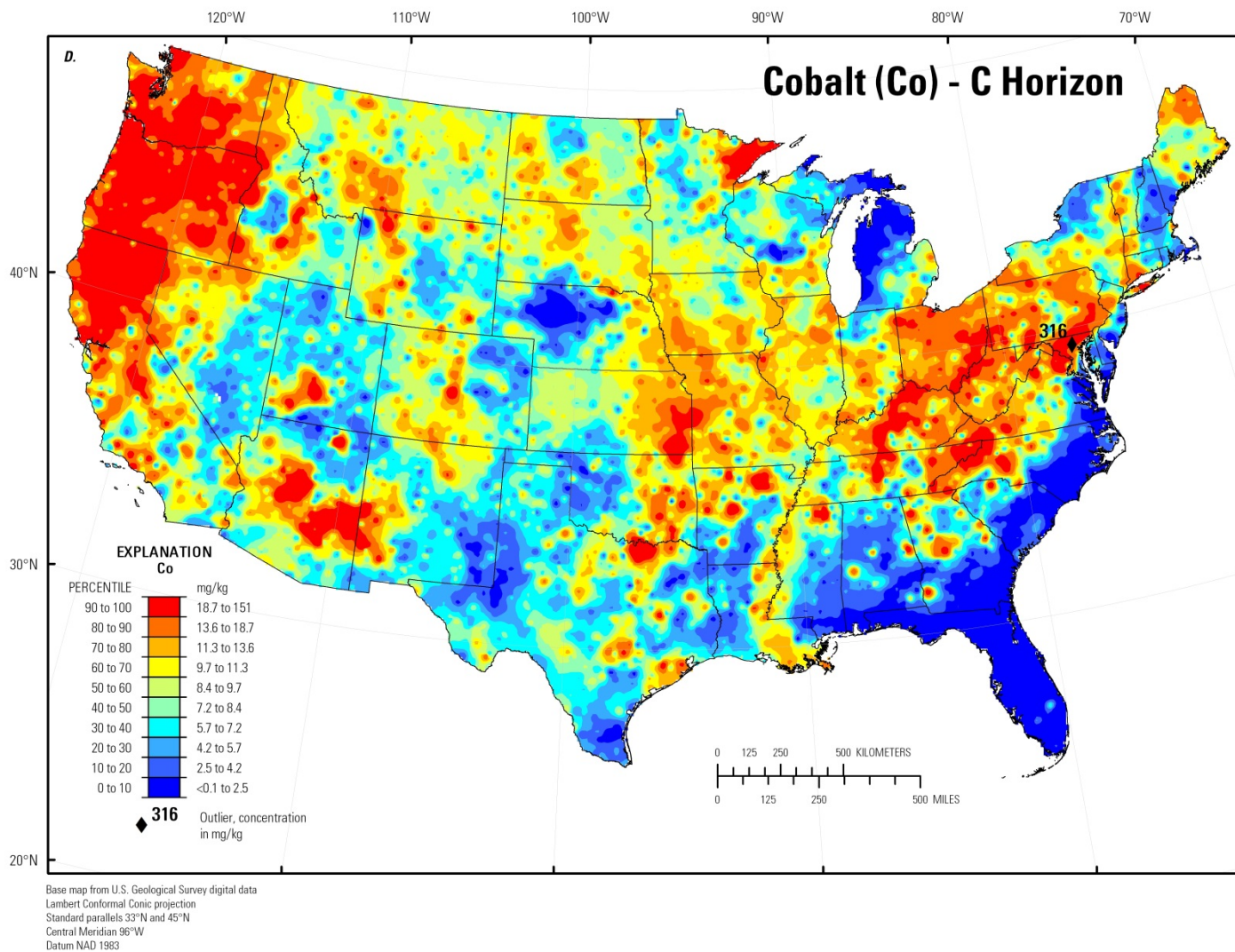


Figure 43. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of cobalt (Co) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued