



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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U.S. Geological Survey**

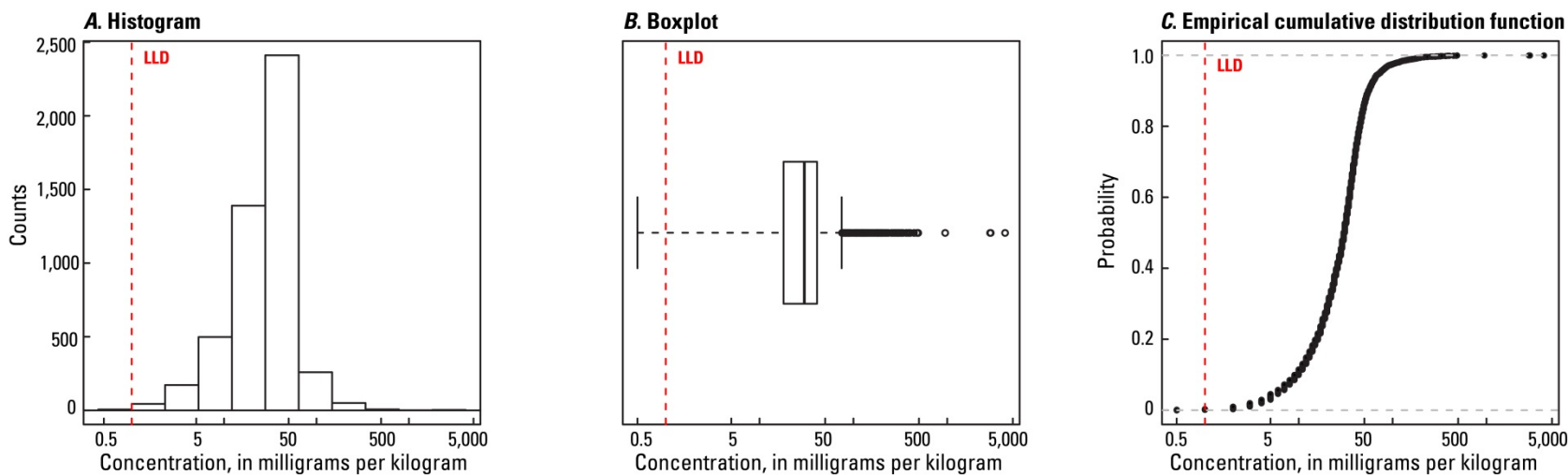
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Chromium (Cr) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 1 milligram per kilogram
 Number below LLD = 6
 Minimum = <1 milligram per kilogram
 5 percentile = 6 milligrams per kilogram
 25 percentile = 18 milligrams per kilogram
 50 percentile = 30 milligrams per kilogram
 75 percentile = 41 milligrams per kilogram
 95 percentile = 73 milligrams per kilogram
 Maximum = 4,120 milligrams per kilogram
 MAD = 17.8 milligrams per kilogram
 Robust CV = 59.3 %

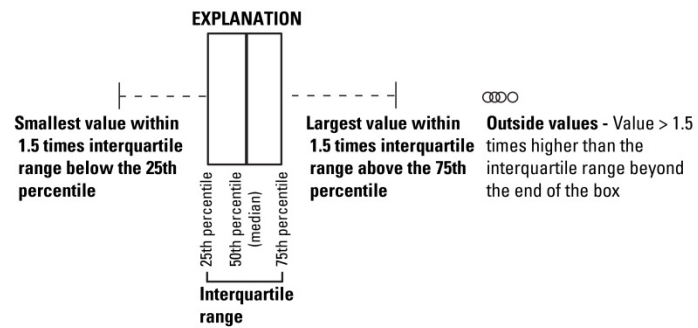


Figure 38. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

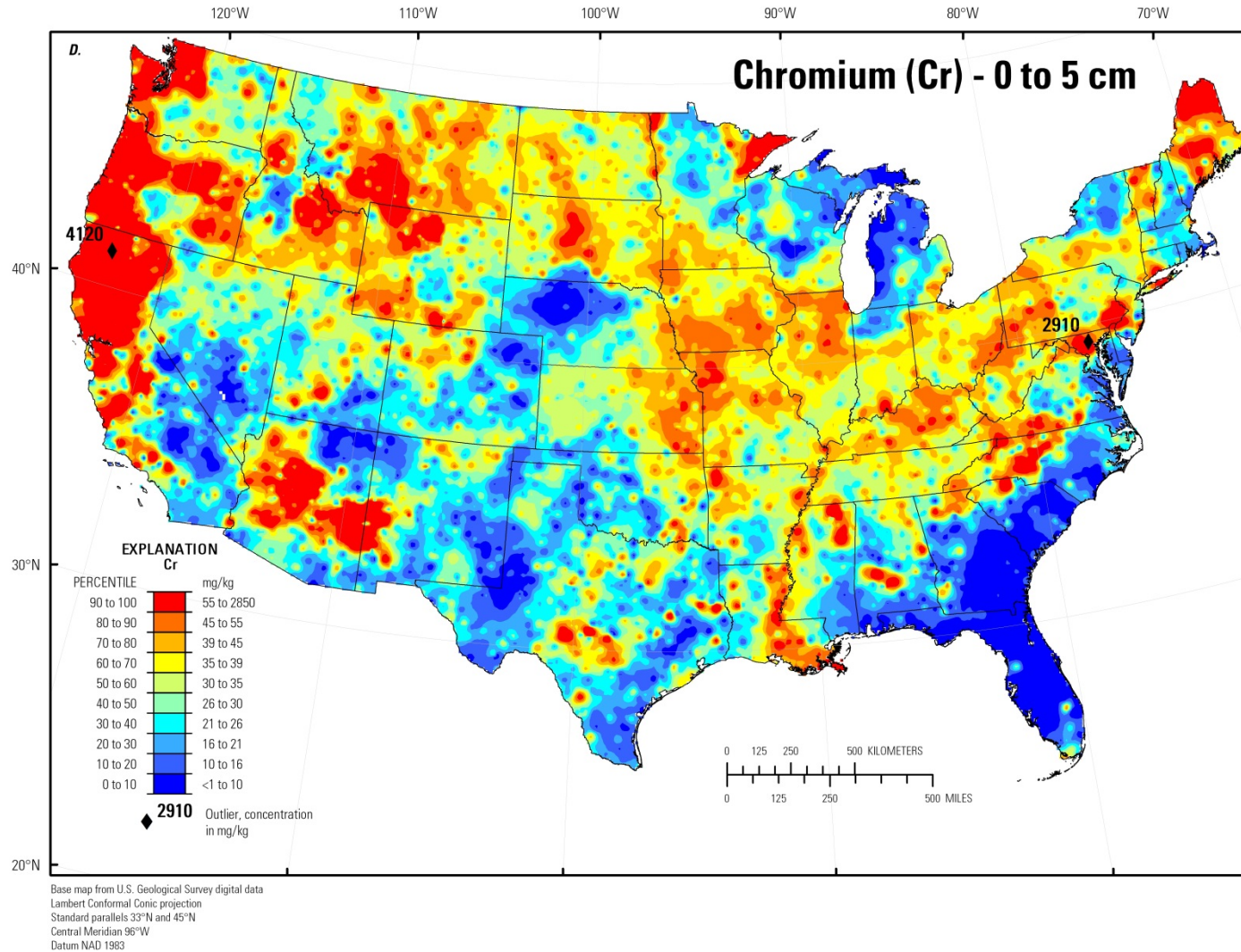
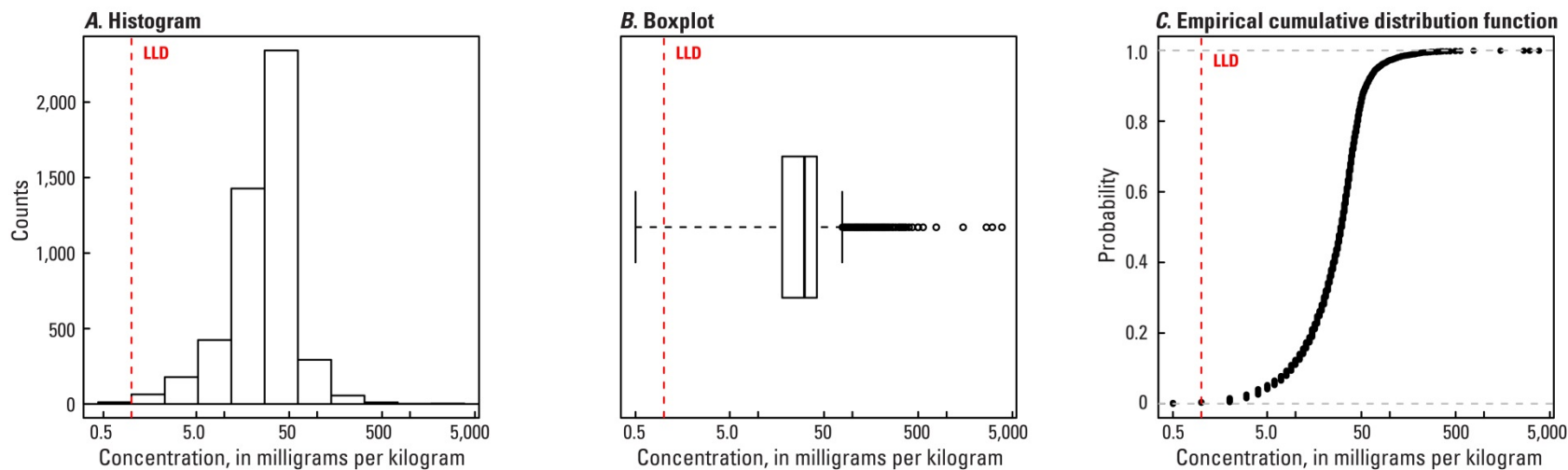


Figure 38. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Chromium (Cr) in soil A horizon



Number of samples = 4,813
 LLD = 1 milligram per kilogram
 Number below LLD = 12
 Minimum = <1 milligram per kilogram
 5 percentile = 5 milligrams per kilogram
 25 percentile = 18 milligrams per kilogram
 50 percentile = 31 milligrams per kilogram
 75 percentile = 42 milligrams per kilogram
 95 percentile = 74 milligrams per kilogram
 Maximum = 3,850 milligrams per kilogram
 MAD = 17.8 milligrams per kilogram
 Robust CV = 57.4 %

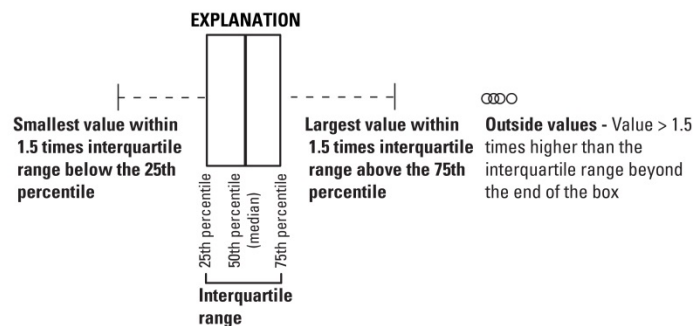


Figure. 39. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

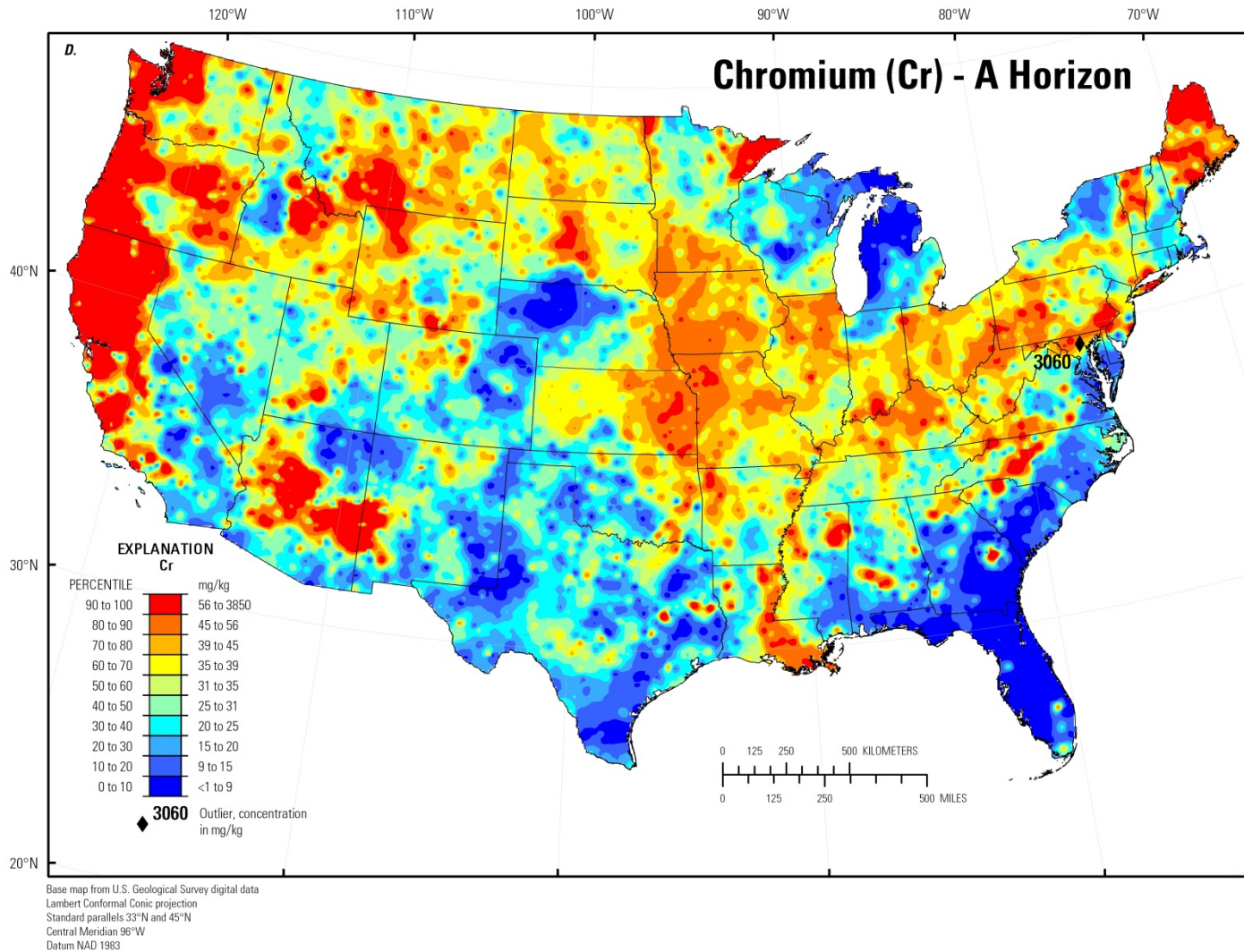
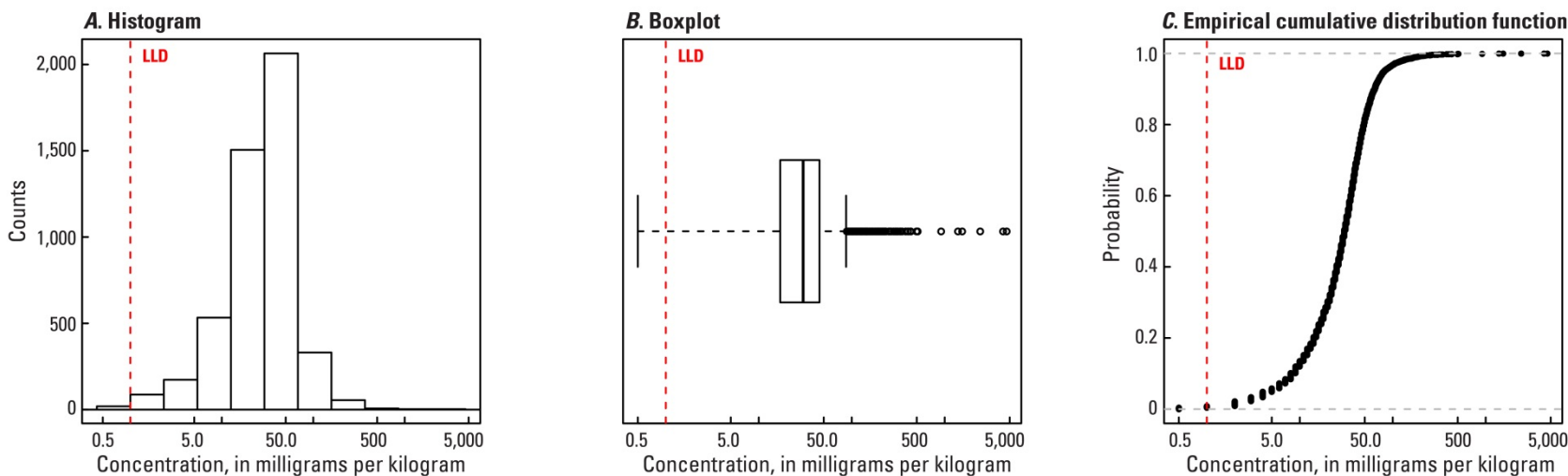


Figure. 39. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Chromium (Cr) in soil C horizon



Number of samples = 4,780
 LLD = 1 milligram per kilogram
 Number below LLD = 19
 Minimum = <1 milligram per kilogram
 5 percentile = 5 milligrams per kilogram
 25 percentile = 17 milligrams per kilogram
 50 percentile = 30 milligrams per kilogram
 75 percentile = 45 milligrams per kilogram
 95 percentile = 81 milligrams per kilogram
 Maximum = 4,620 milligrams per kilogram
 MAD = 20.8 milligrams per kilogram
 Robust CV = 69.2 %

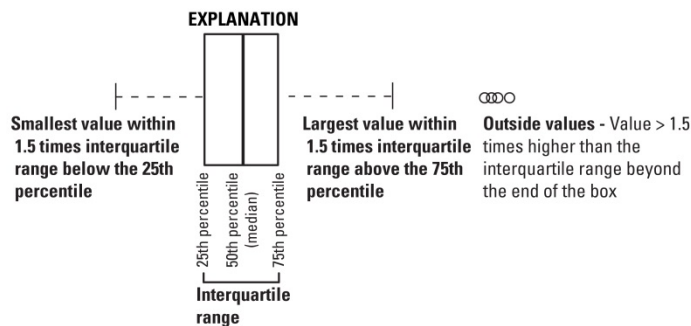


Figure 40. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

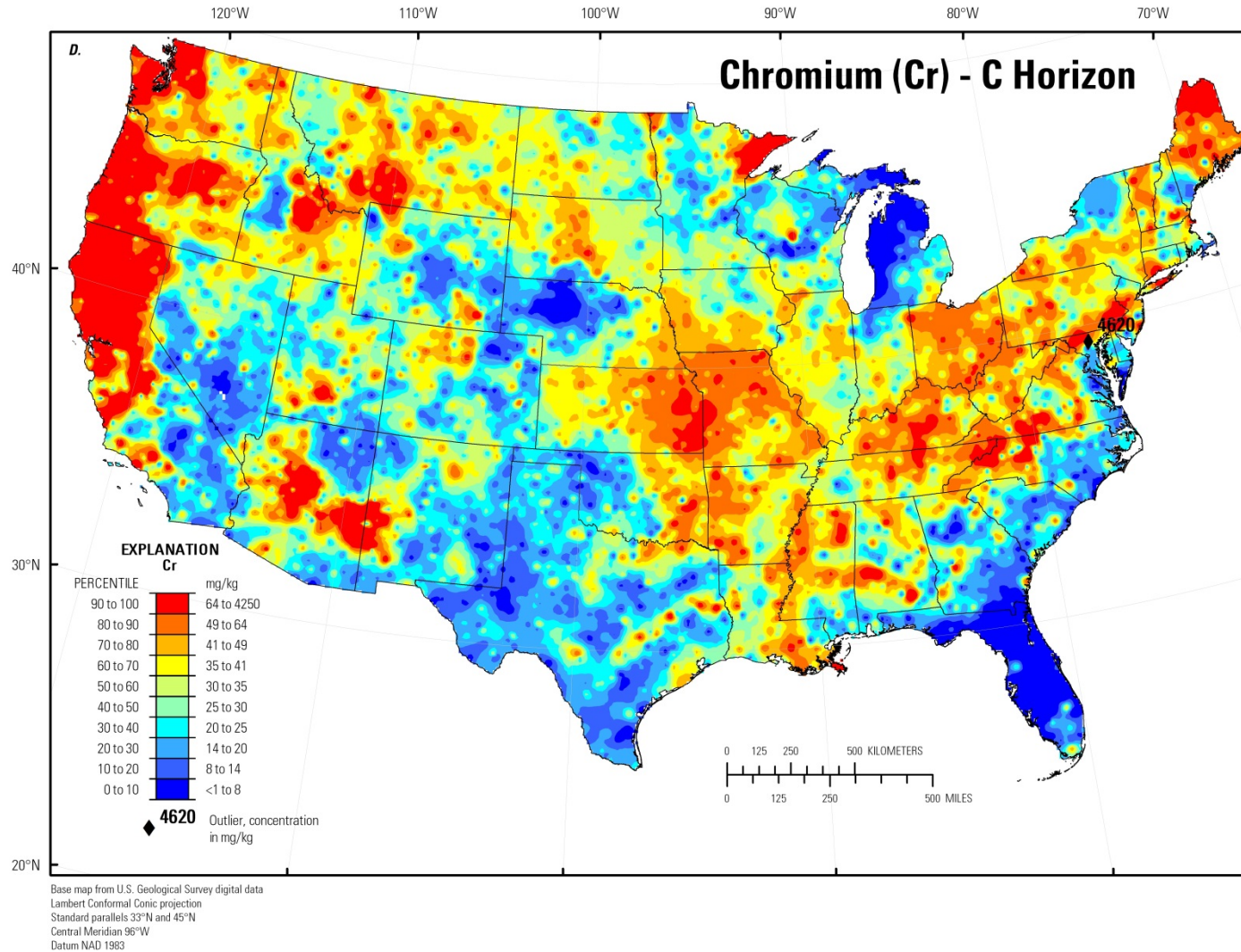


Figure 40. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of chromium (Cr) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued