



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**

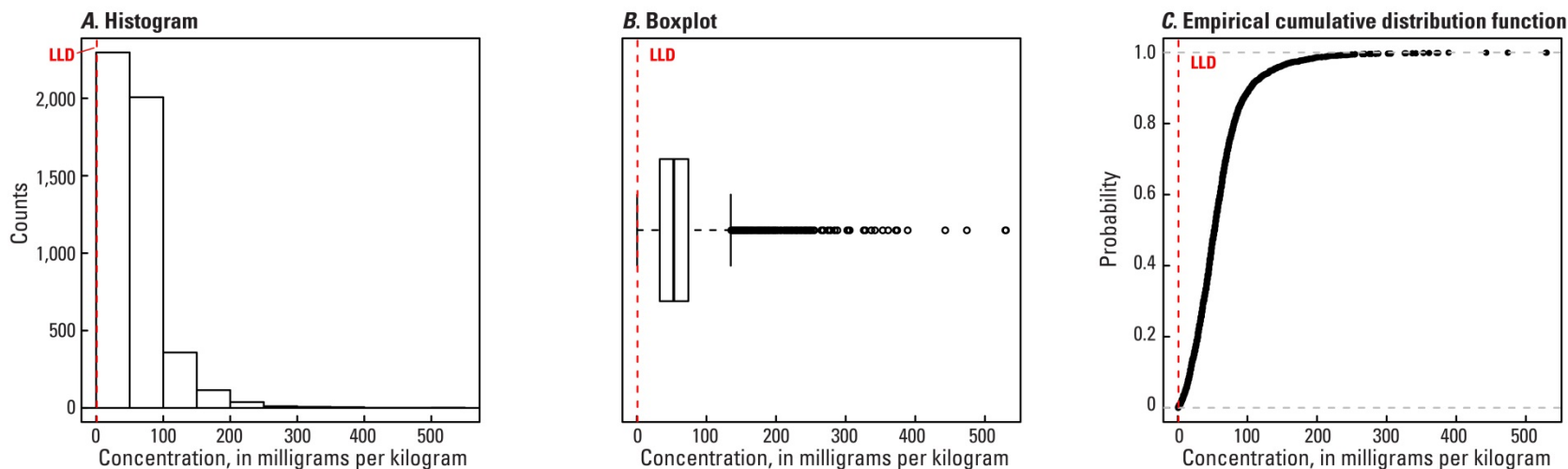
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Vanadium (V) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 1 milligram per kilogram
 Number below LLD = 12
 Minimum = <1 milligram per kilogram
 5 percentile = 11 milligrams per kilogram
 25 percentile = 33 milligrams per kilogram
 50 percentile = 53 milligrams per kilogram
 75 percentile = 74 milligrams per kilogram
 95 percentile = 136 milligrams per kilogram
 Maximum = 530 milligrams per kilogram
 MAD = 31.1 milligrams per kilogram
 Robust CV = 58.7 %

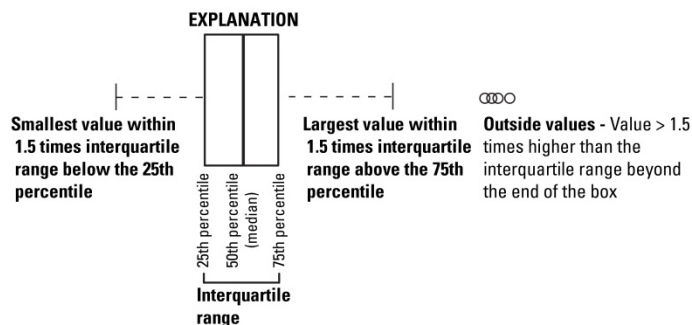


Figure 131. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

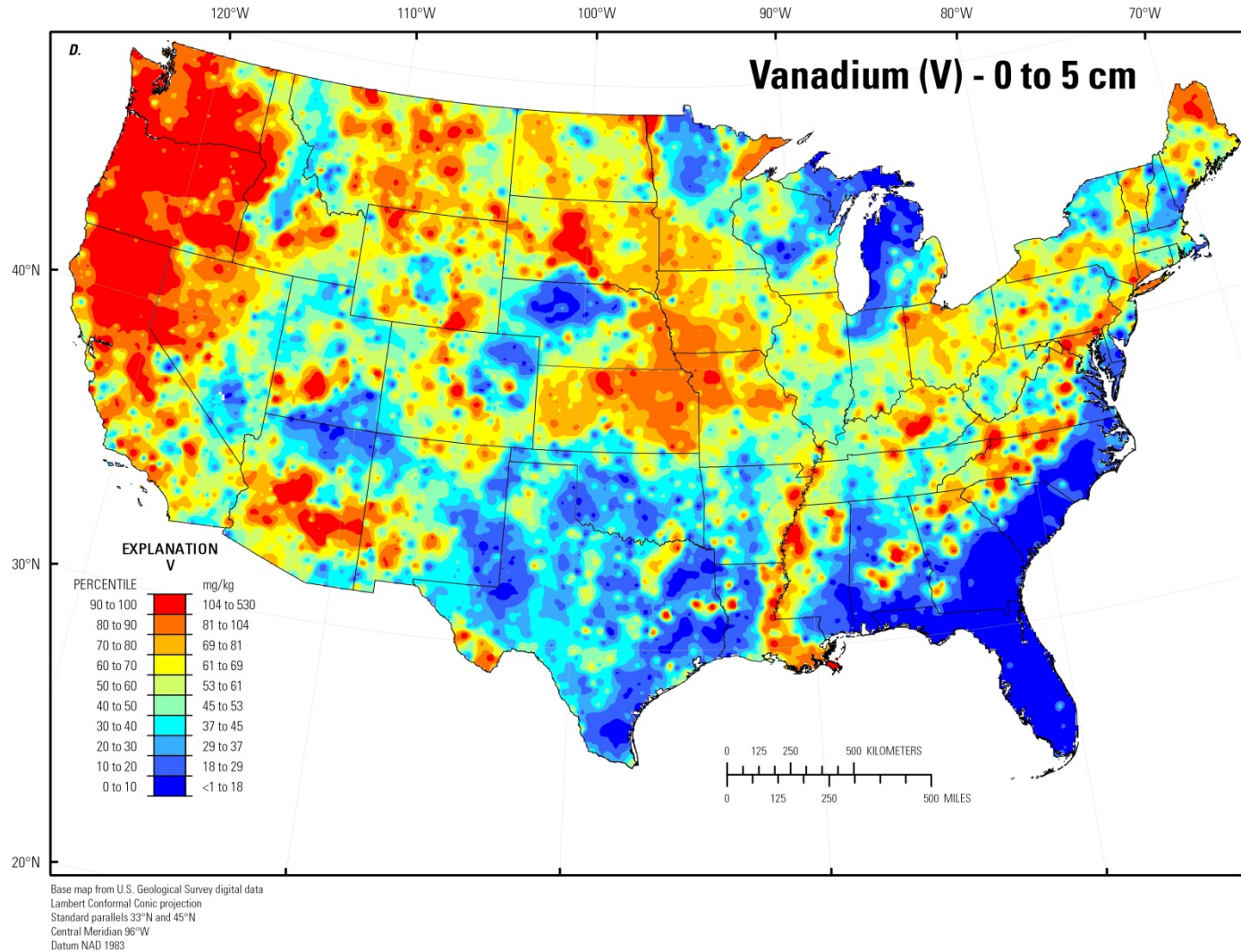
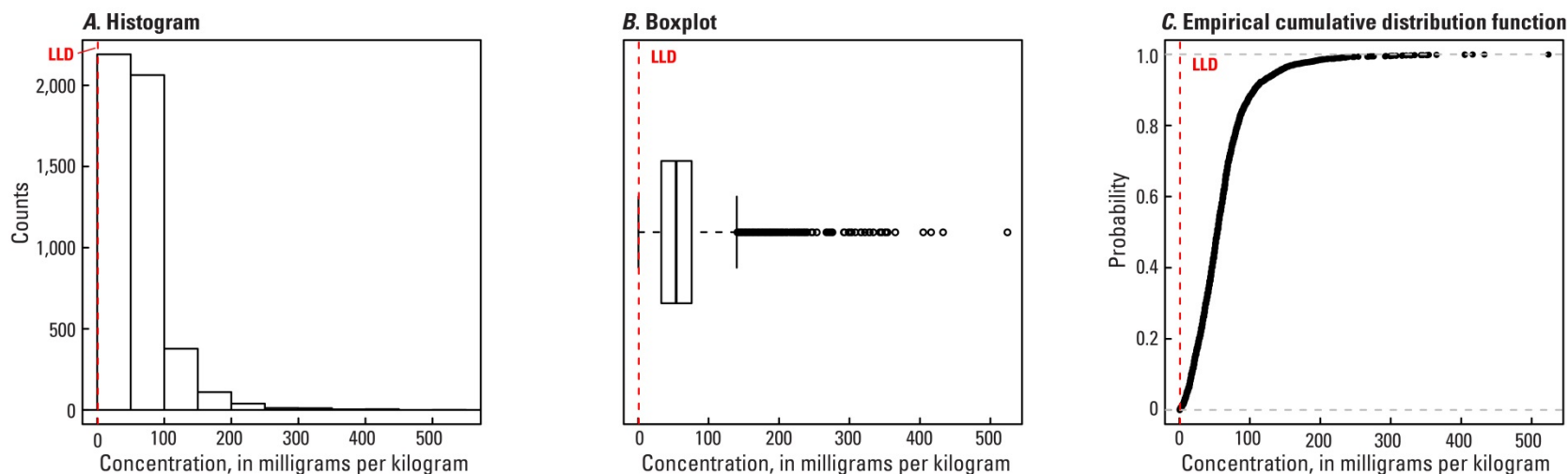


Figure 131. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Vanadium (V) in soil A horizon



Number of samples = 4,813
 LLD = 1 milligram per kilogram
 Number below LLD = 10
 Minimum = <1 milligram per kilogram
 5 percentile = 11 milligrams per kilogram
 25 percentile = 33 milligrams per kilogram
 50 percentile = 54 milligrams per kilogram
 75 percentile = 76 milligrams per kilogram
 95 percentile = 139 milligrams per kilogram
 Maximum = 524 milligrams per kilogram
 MAD = 31.1 milligrams per kilogram
 Robust CV = 57.7 %

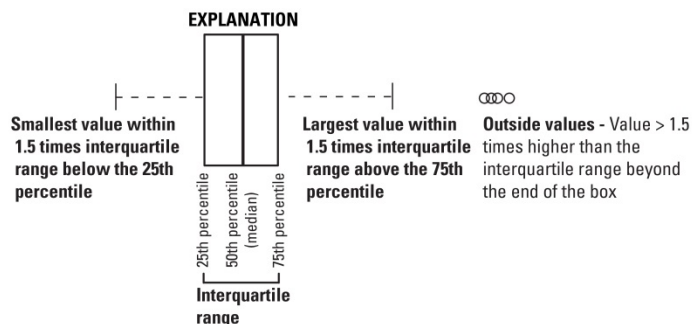


Figure 132. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

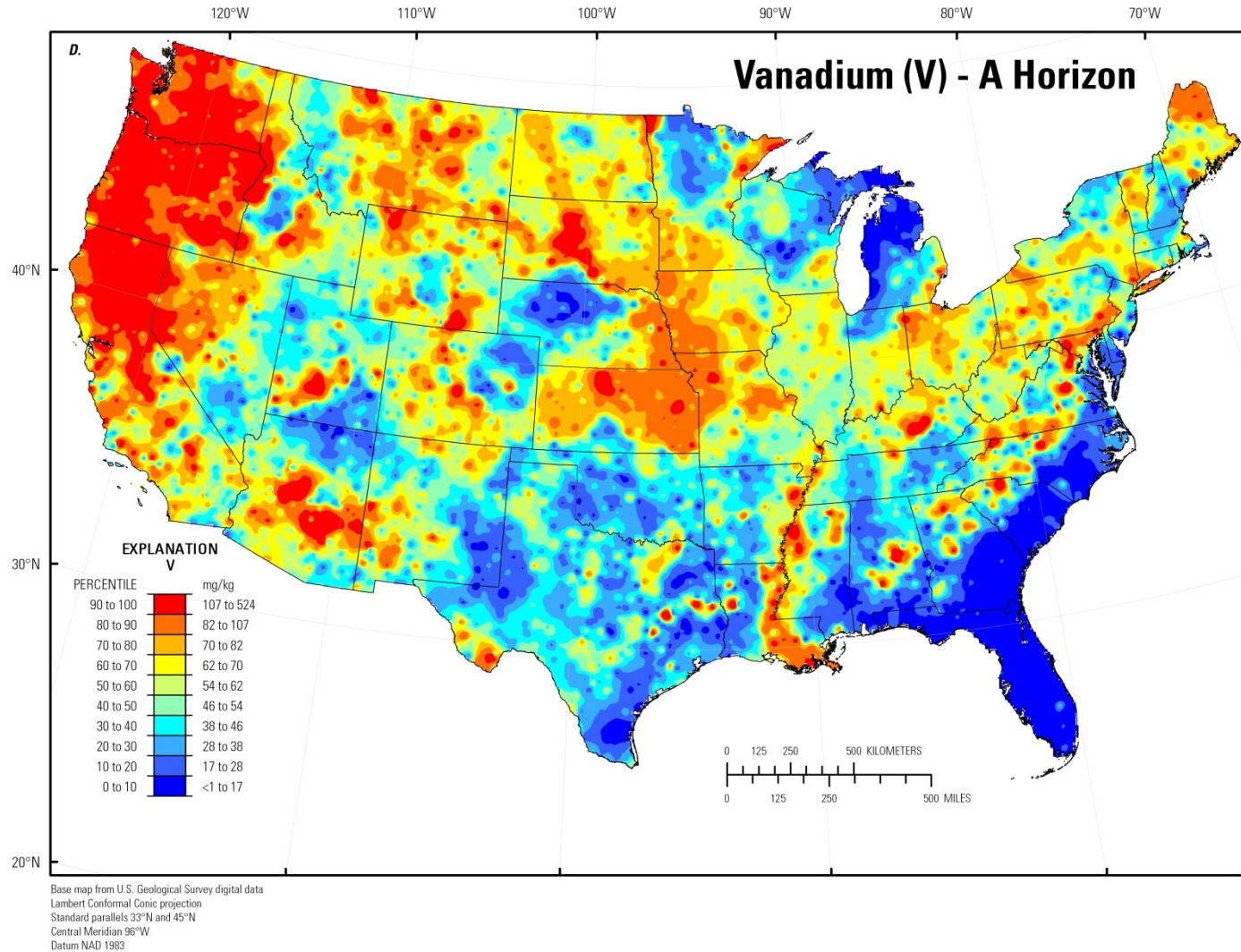
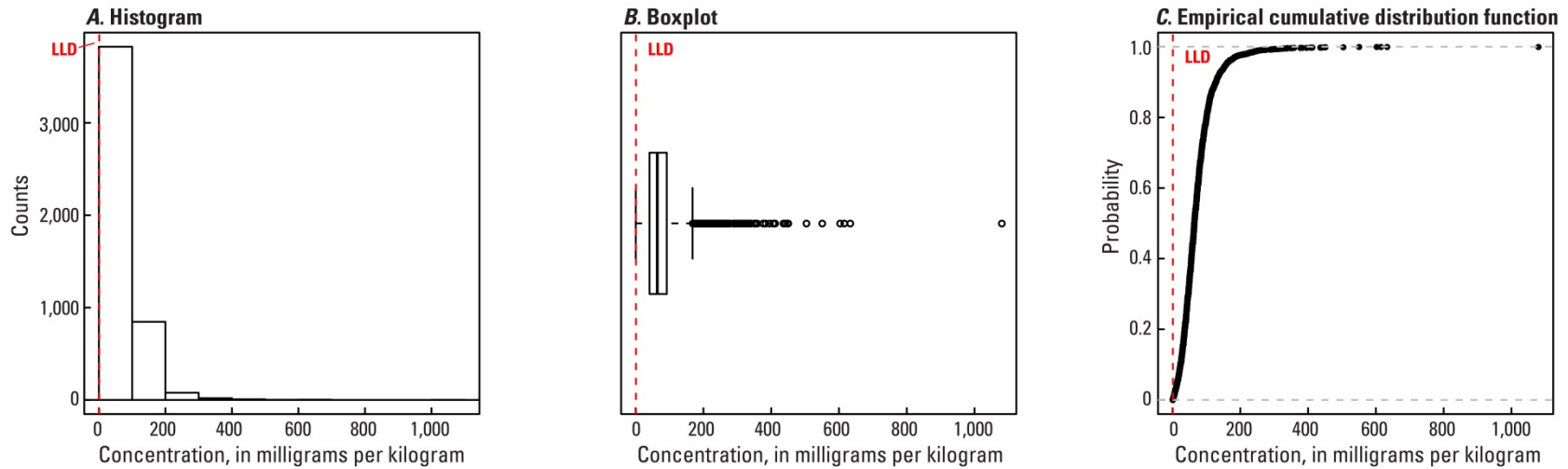


Figure 132. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Vanadium (V) in soil C horizon



Number of samples = 4,780
 LLD = 1 milligram per kilogram
 Number below LLD = 5
 Minimum = <1 milligram per kilogram
 5 percentile = 14 milligrams per kilogram
 25 percentile = 41 milligrams per kilogram
 50 percentile = 64 milligrams per kilogram
 75 percentile = 92 milligrams per kilogram
 95 percentile = 158 milligrams per kilogram
 Maximum = 1,080 milligrams per kilogram
 MAD = 37.1 milligrams per kilogram
 Robust CV = 57.9 %

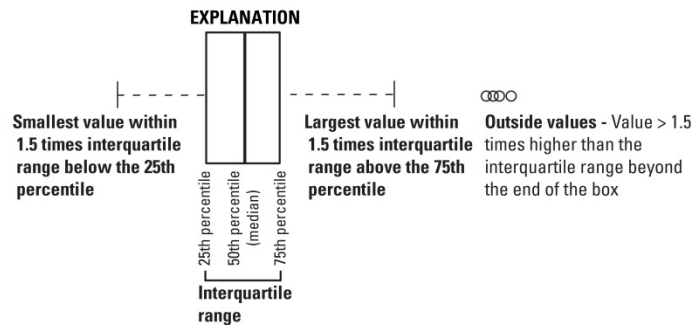


Figure 133. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

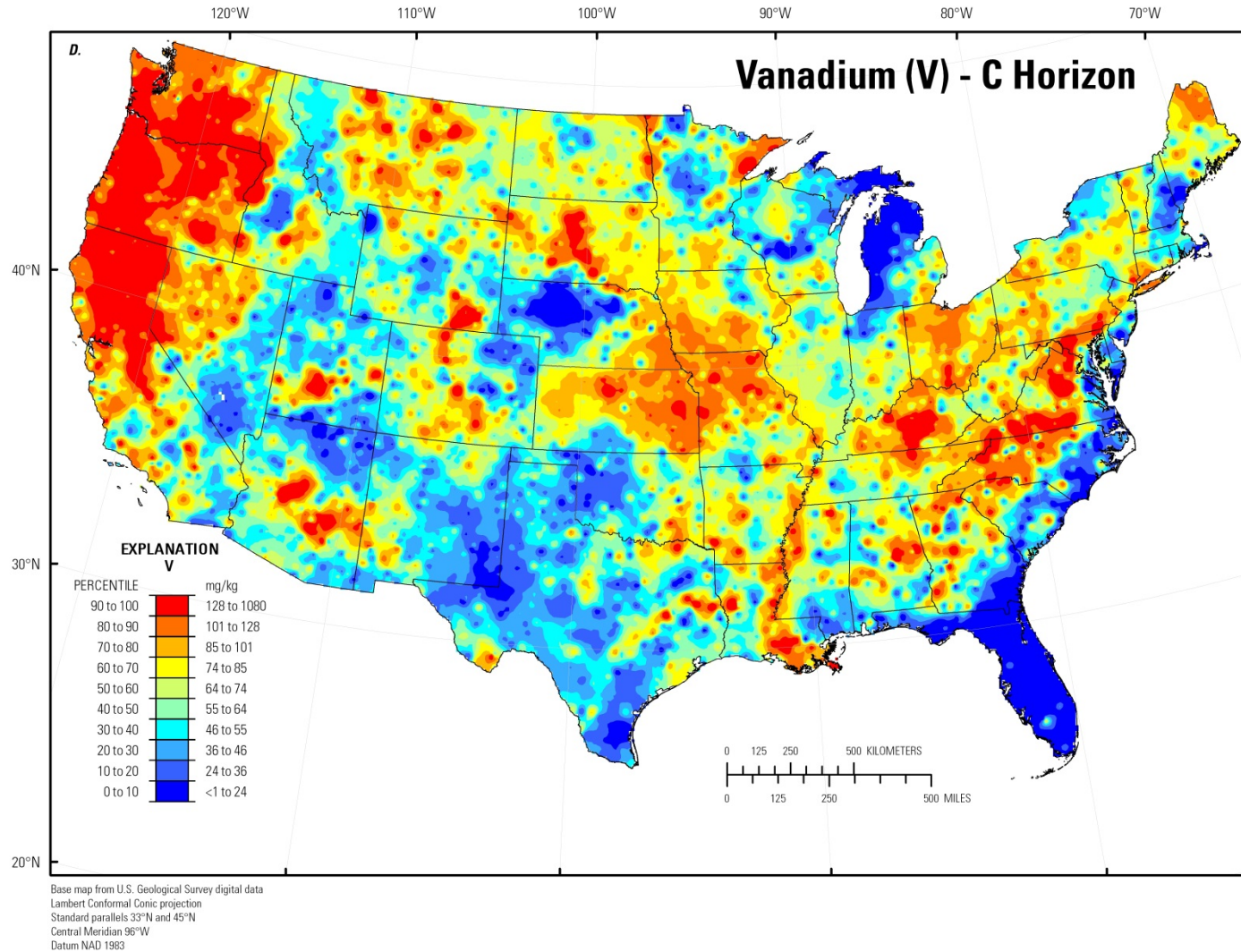


Figure 133. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of vanadium (V) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued