



Geochemical and Mineralogical Maps for Soils of the Conterminous United States

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U.S. Geological Survey**

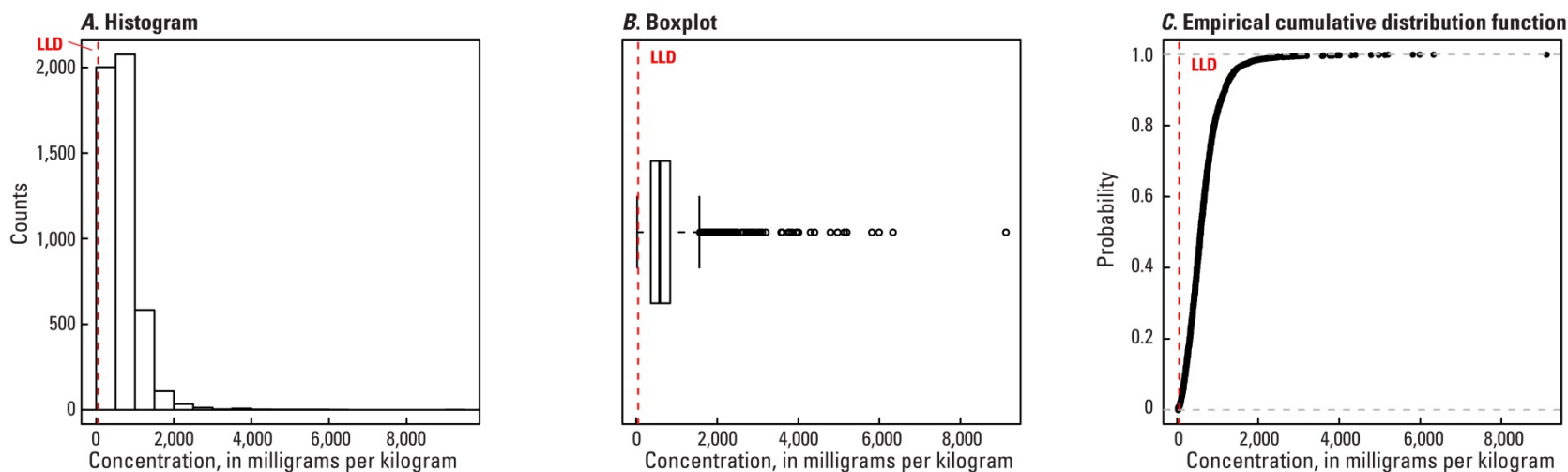
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

Phosphorus (P) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841
 LLD = 50 milligrams per kilogram
 Number below LLD = 34
 Minimum = <50 milligrams per kilogram
 5 percentile = 140 milligrams per kilogram
 25 percentile = 360 milligrams per kilogram
 50 percentile = 580 milligrams per kilogram
 75 percentile = 840 milligrams per kilogram
 95 percentile = 1,390 milligrams per kilogram
 Maximum = 9,120 milligrams per kilogram
 MAD = 356 milligrams per kilogram
 Robust CV = 61.3 %

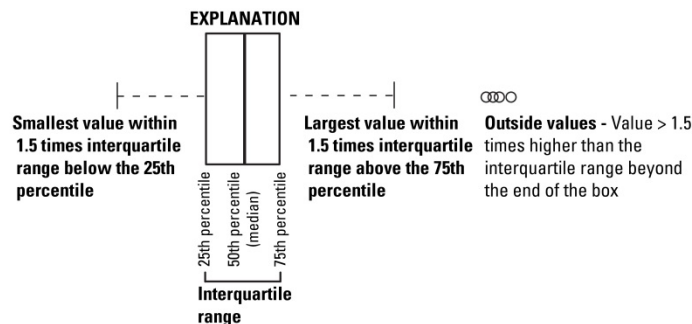


Figure 83. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

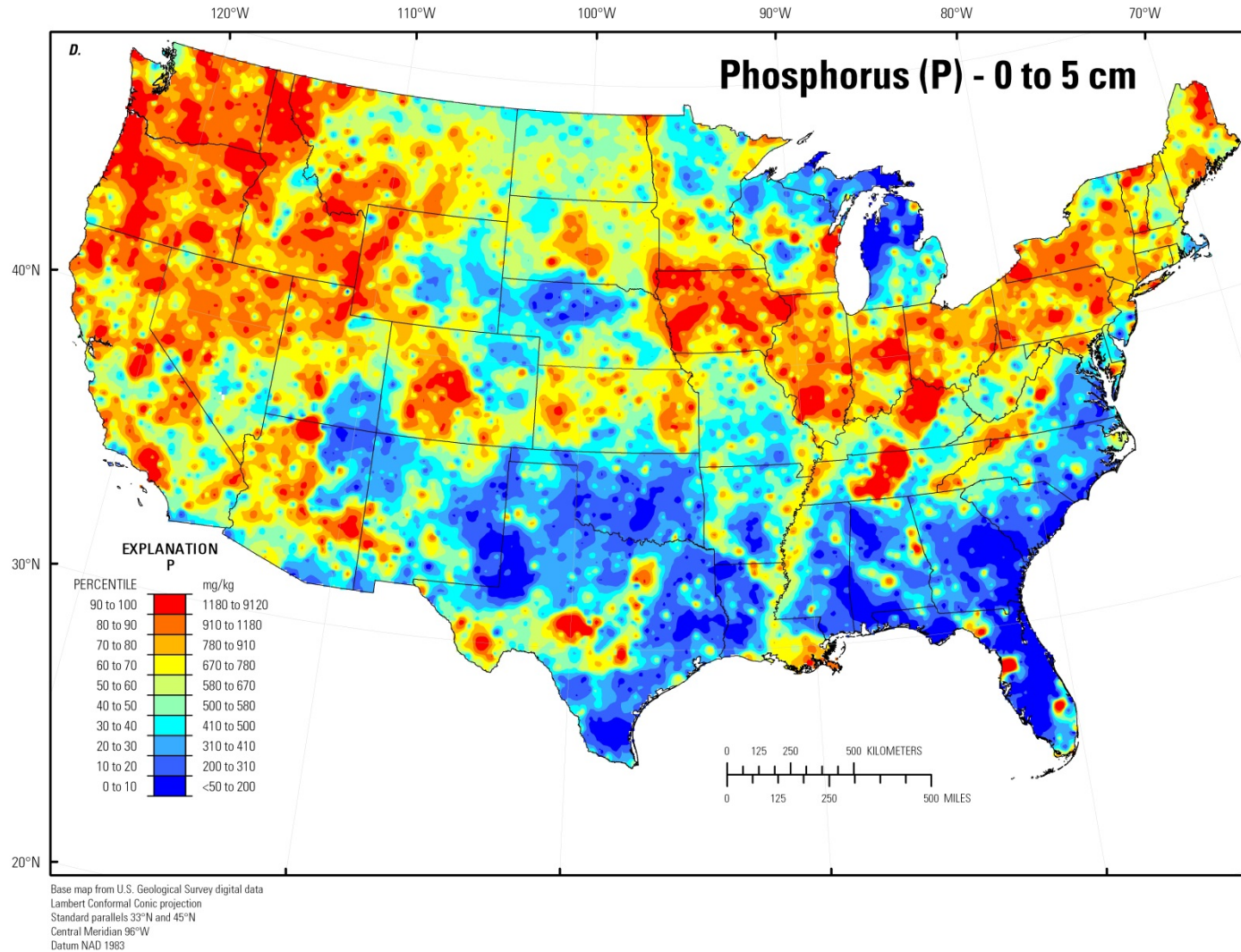
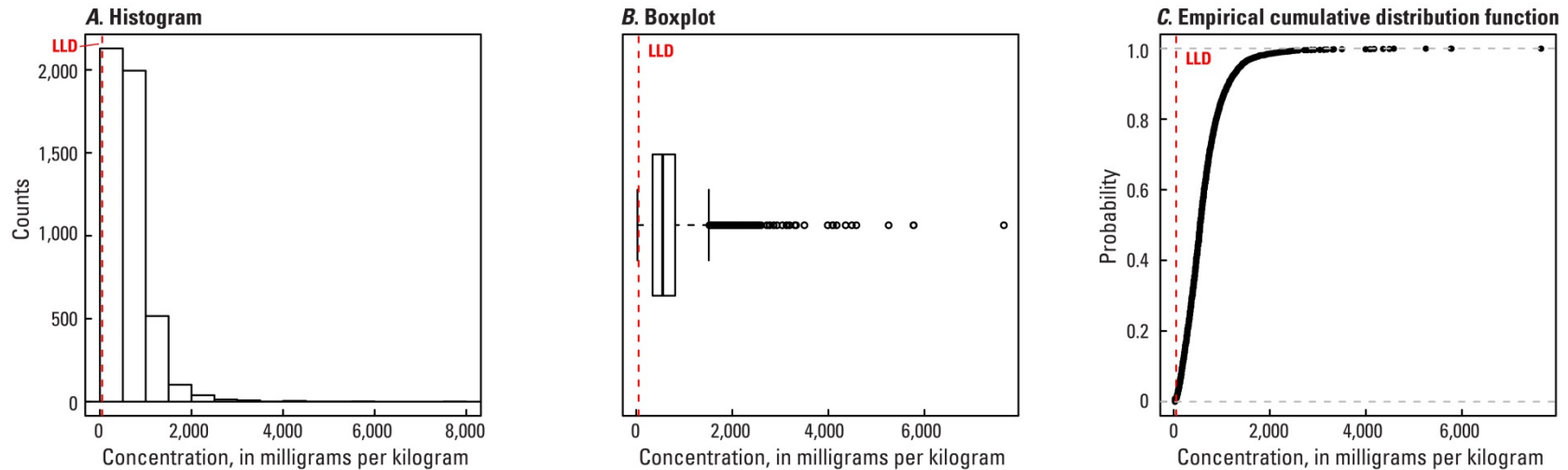


Figure 83. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

Phosphorus (P) in soil A horizon



Number of samples = 4,813
 LLD = 50 milligrams per kilogram
 Number below LLD = 42
 Minimum = <50 milligrams per kilogram
 5 percentile = 120 milligrams per kilogram
 25 percentile = 340 milligrams per kilogram
 50 percentile = 550 milligrams per kilogram
 75 percentile = 810 milligrams per kilogram
 95 percentile = 1,390 milligrams per kilogram
 Maximum = 7,650 milligrams per kilogram
 MAD = 341 milligrams per kilogram
 Robust CV = 62 %

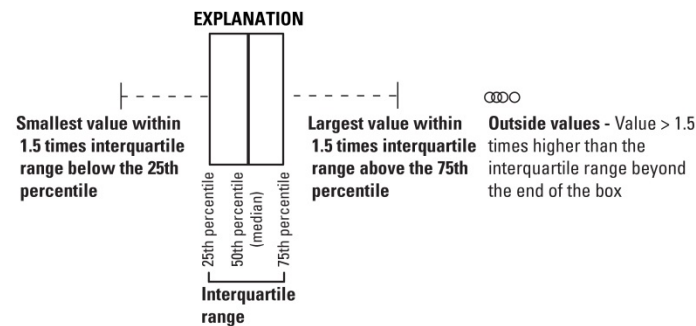


Figure 84. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

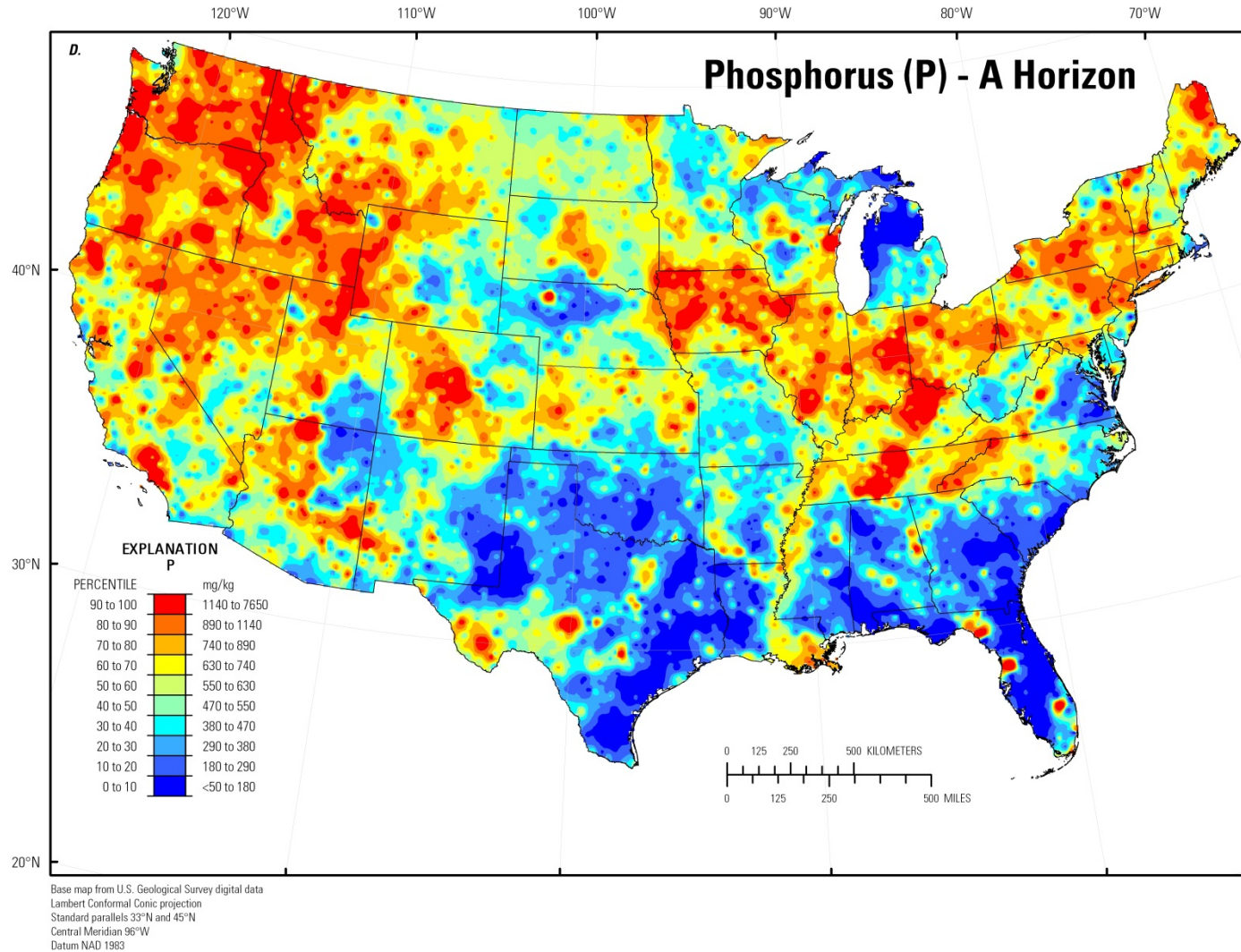
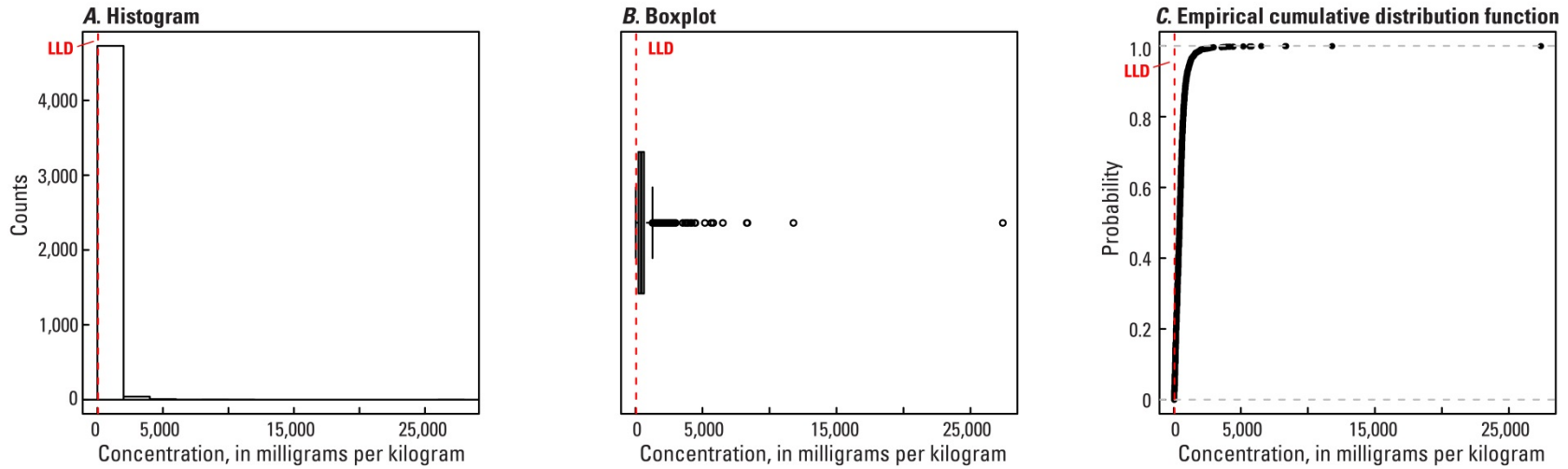


Figure 84. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

Phosphorus (P) in soil C horizon



Number of samples = 4,780
 LLD = 50 milligrams per kilogram
 Number below LLD = 119
 Minimum = <50 milligrams per kilogram
 5 percentile = 70 milligrams per kilogram
 25 percentile = 220 milligrams per kilogram
 50 percentile = 430 milligrams per kilogram
 75 percentile = 640 milligrams per kilogram
 95 percentile = 1,190 milligrams per kilogram
 Maximum = 27,400 milligrams per kilogram
 MAD = 311 milligrams per kilogram
 Robust CV = 72.4 %

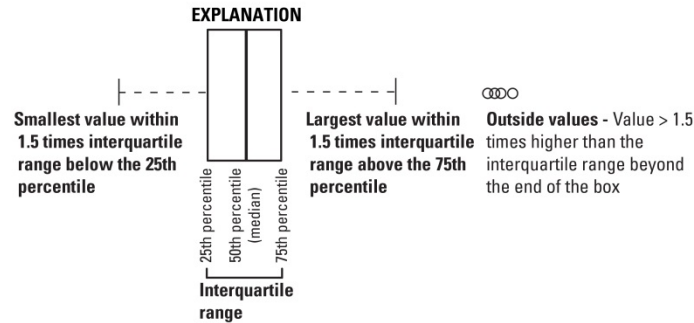


Figure 85. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

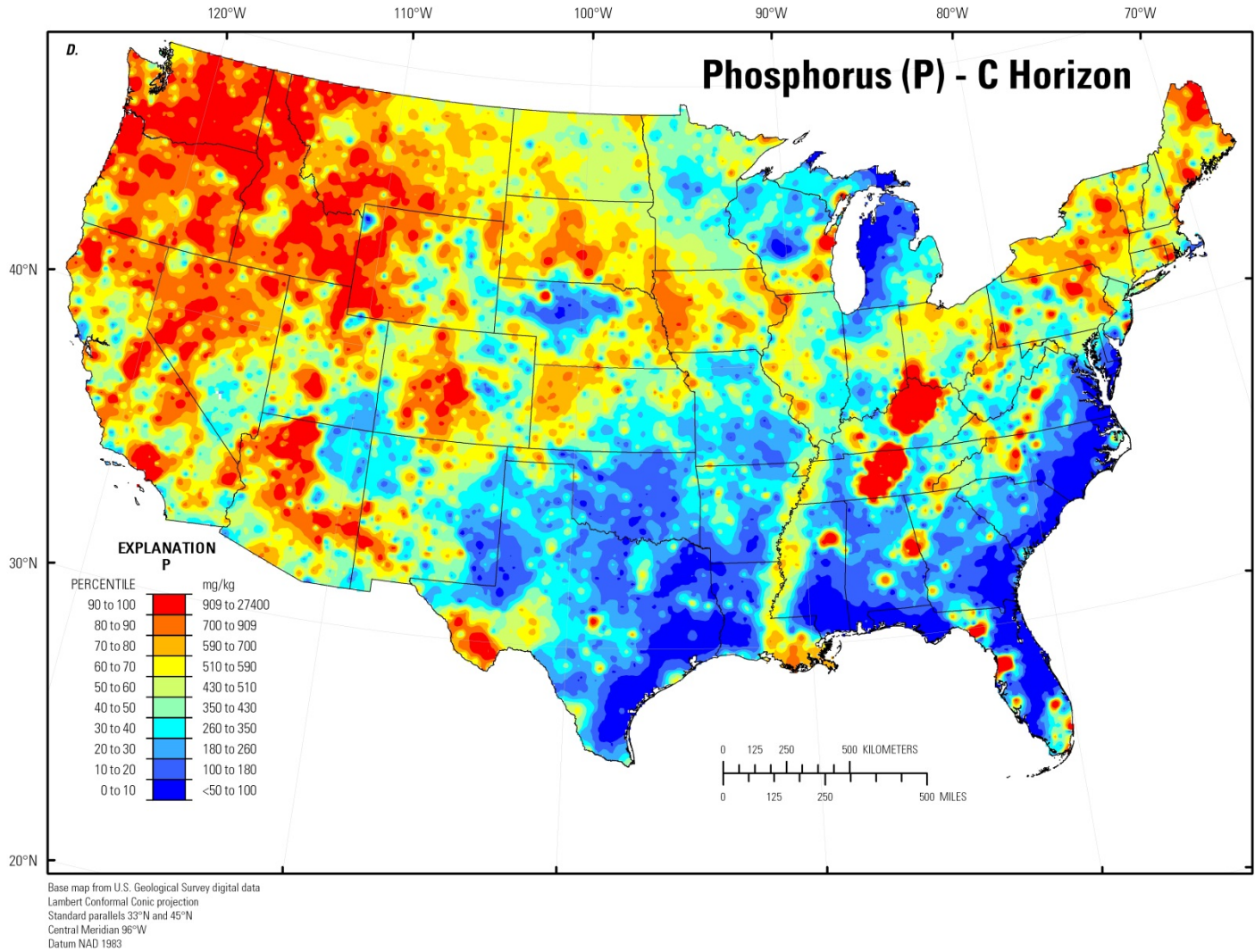


Figure 85. A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of phosphorus (P) in the soil C horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued