



# **Geochemical and Mineralogical Maps for Soils of the Conterminous United States**

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U.S. Geological Survey**

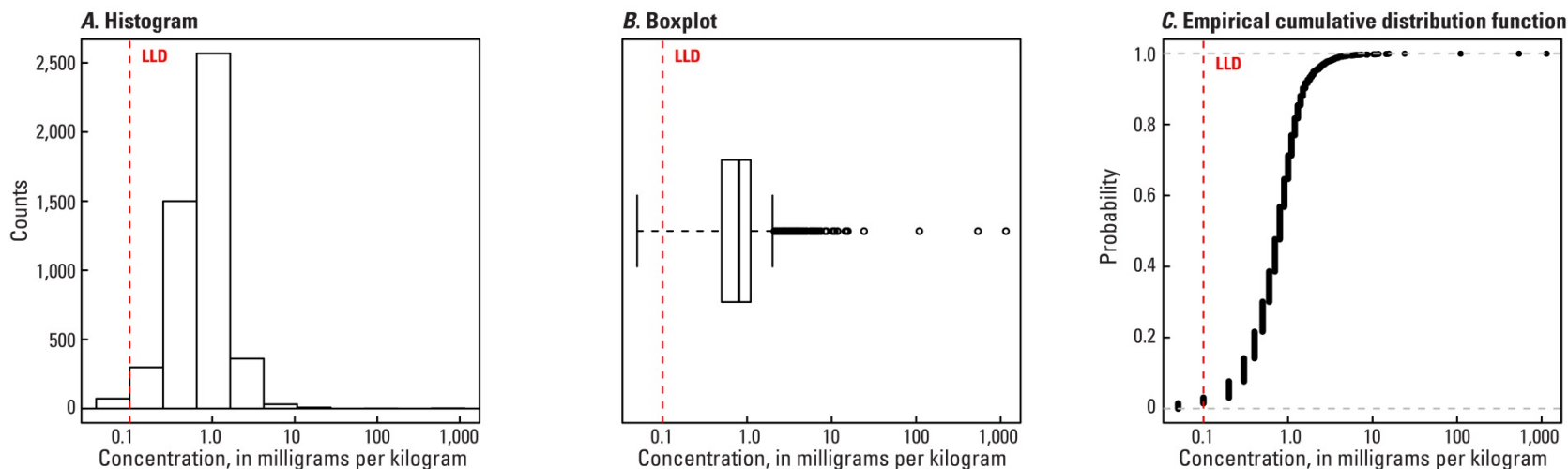
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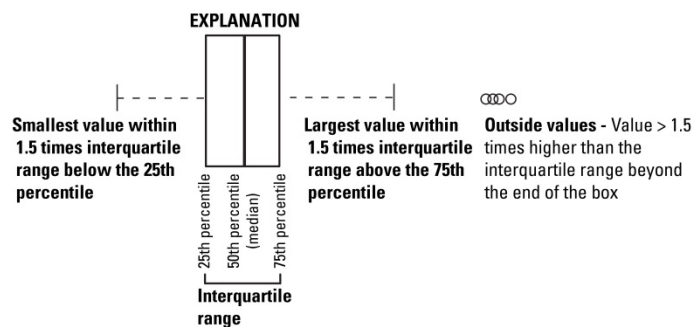
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These maps and statistical graphics were derived from data published in U.S. Geological Survey Data Series 801, downloadable from <http://pubs.usgs.gov/ds/801>.

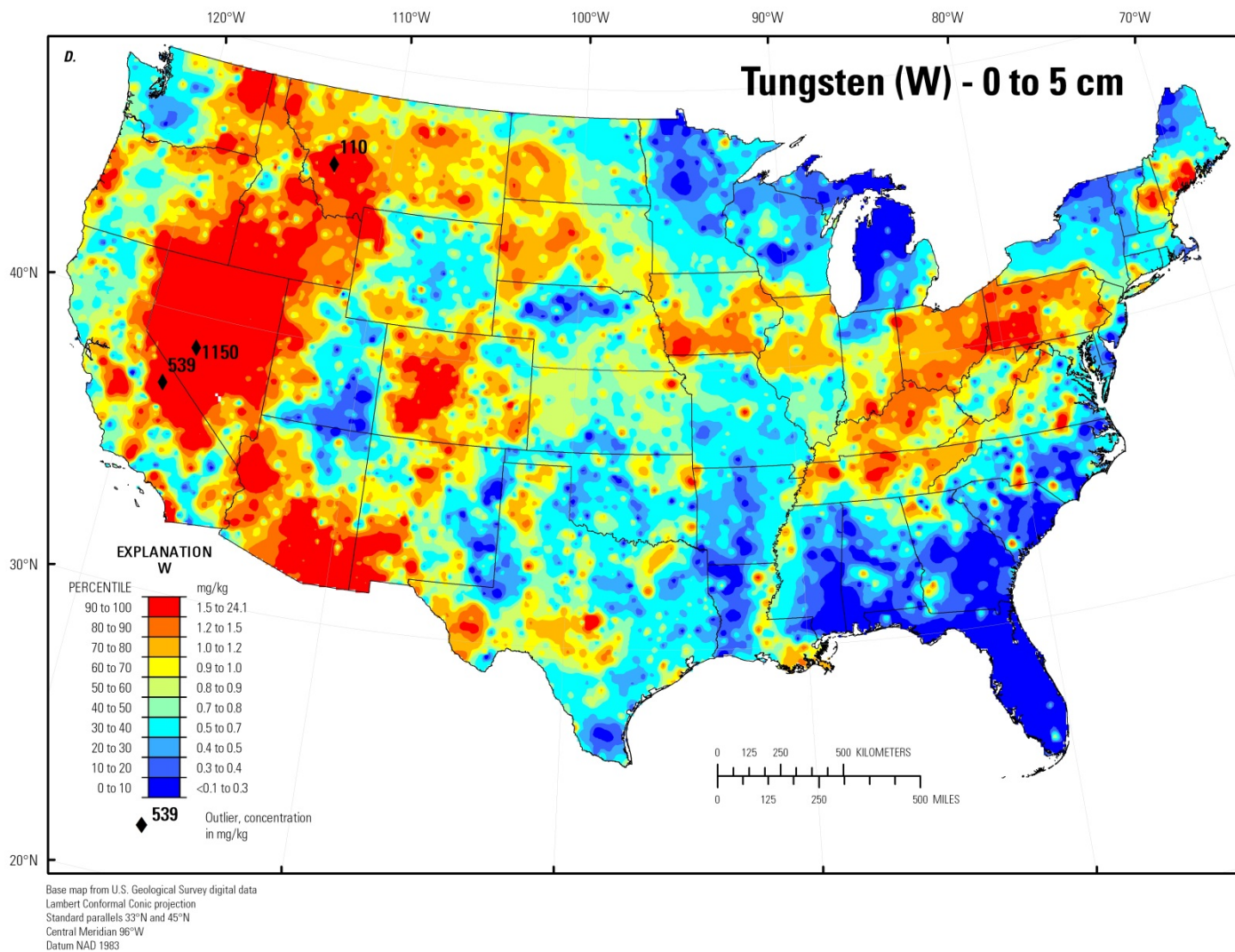
### Tungsten (W) in soil collected from a depth of 0 to 5 centimeters



Number of samples = 4,841  
 LLD = 0.1 milligrams per kilogram  
 Number below LLD = 72  
 Minimum = <0.1 milligrams per kilogram  
 5 percentile = 0.2 milligrams per kilogram  
 25 percentile = 0.5 milligrams per kilogram  
 50 percentile = 0.8 milligrams per kilogram  
 75 percentile = 1.1 milligrams per kilogram  
 95 percentile = 2.1 milligrams per kilogram  
 Maximum = 1,150 milligrams per kilogram  
 MAD = 0.445 milligrams per kilogram  
 Robust CV = 55.6 %

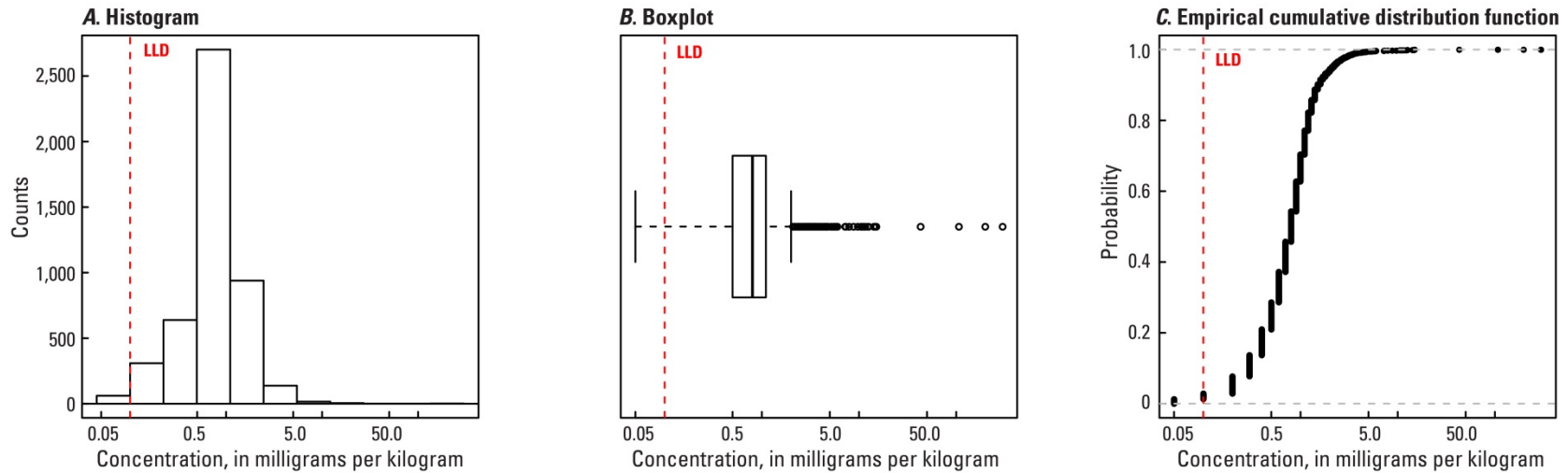


**Figure 125.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).

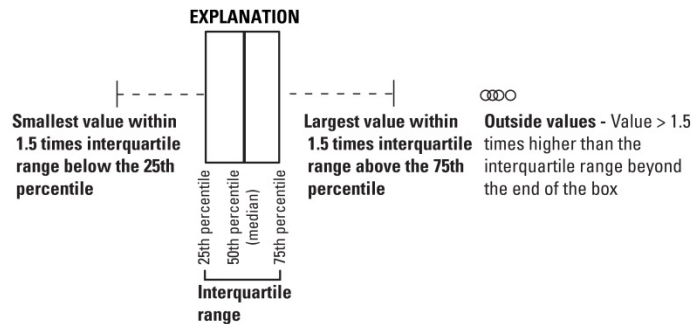


**Figure 125.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) in surface soils collected from a depth of 0 to 5 centimeters, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram; cm, centimeters).—Continued

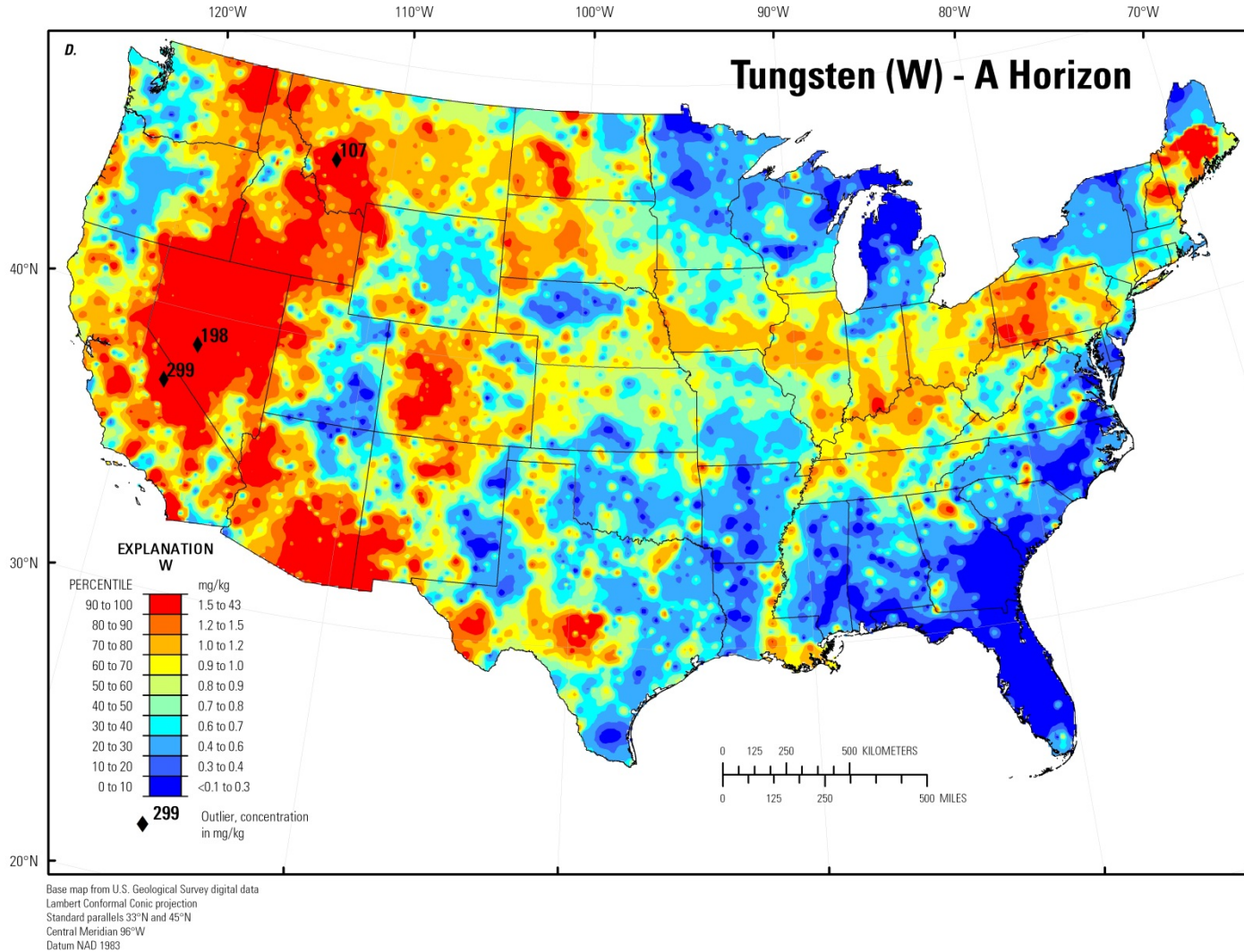
### Tungsten (W) in soil A horizon



Number of samples = 4813  
 LLD = 0.1 milligrams per kilogram  
 Number below LLD = 61  
 Minimum = <0.1 milligrams per kilogram  
 5 percentile = 0.2 milligrams per kilogram  
 25 percentile = 0.5 milligrams per kilogram  
 50 percentile = 0.8 milligrams per kilogram  
 75 percentile = 1.1 milligrams per kilogram  
 95 percentile = 2.1 milligrams per kilogram  
 Maximum = 299 milligrams per kilogram  
 MAD = 0.445 milligrams per kilogram  
 Robust CV = 55.6 %

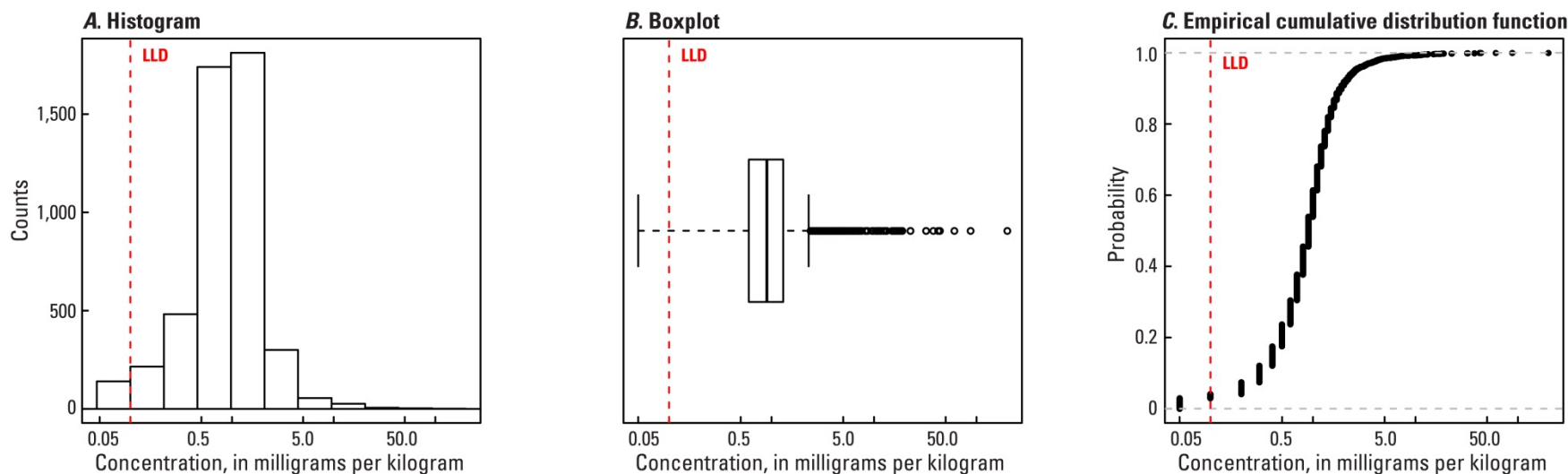


**Figure 126.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).

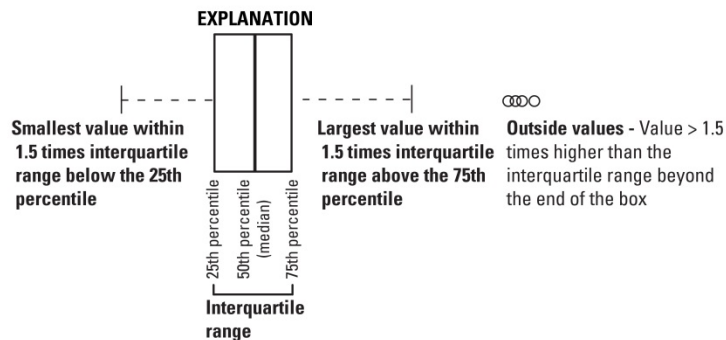


**Figure 126.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) in the soil A horizon, conterminous United States (LLD, lower limit of determination; MAD, median absolute deviation; CV, coefficient of variation; mg/kg, milligrams per kilogram).—Continued

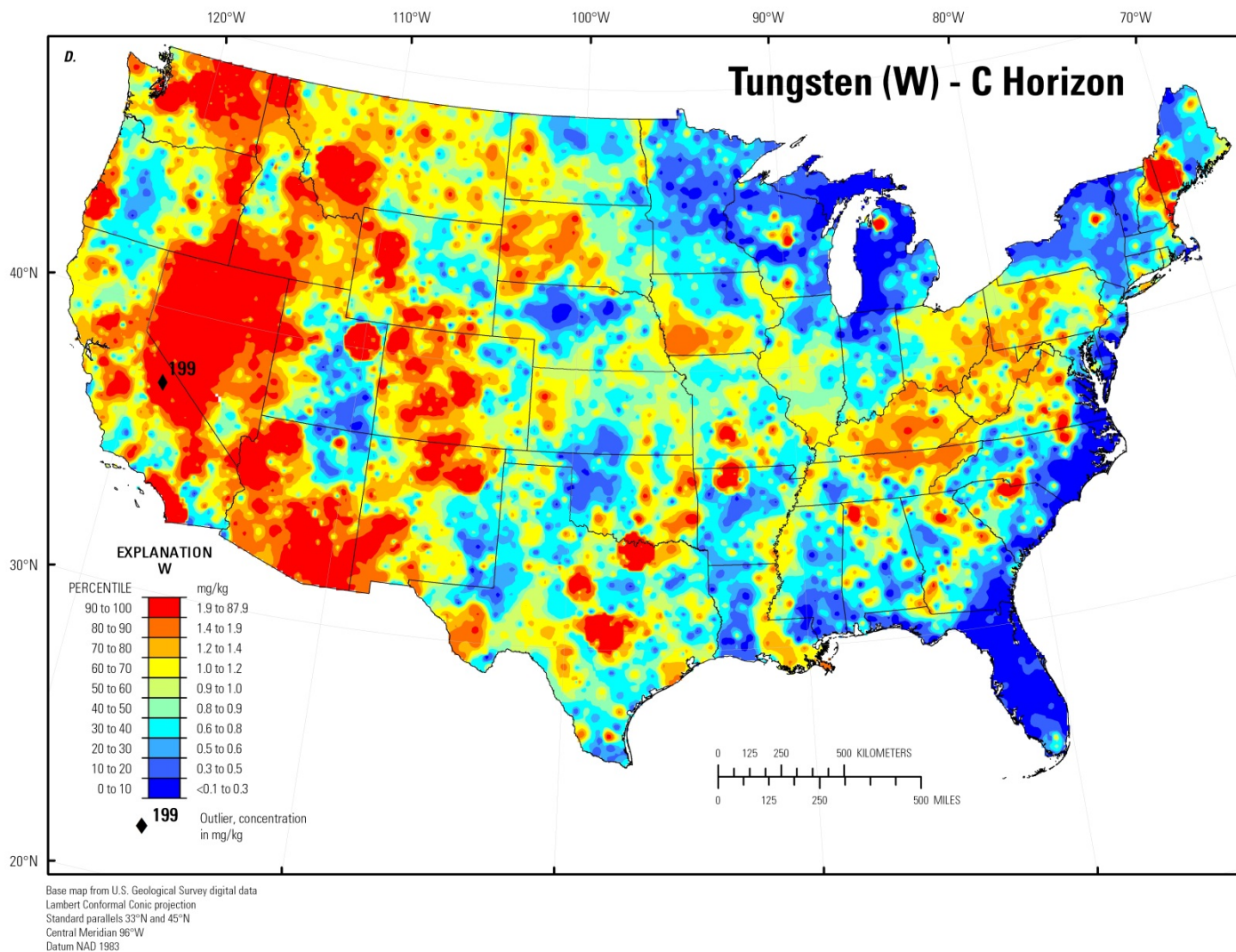
## Tungsten (W) in soil C horizon



Number of samples = 4,780  
 LLD = 0.1 milligrams per kilogram  
 Number below LLD = 140  
 Minimum = <0.1 milligrams per kilogram  
 5 percentile = 0.2 milligrams per kilogram  
 25 percentile = 0.6 milligrams per kilogram  
 50 percentile = 0.9 milligrams per kilogram  
 75 percentile = 1.3 milligrams per kilogram  
 95 percentile = 2.6 milligrams per kilogram  
 Maximum = 199 milligrams per kilogram  
 MAD = 0.445 milligrams per kilogram  
 Robust CV = 49.4 %



**Figure 127.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) 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 127.** A, Histogram and summary statistics; B, Boxplot; C, Empirical cumulative distribution function; and D, Distribution of tungsten (W) 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