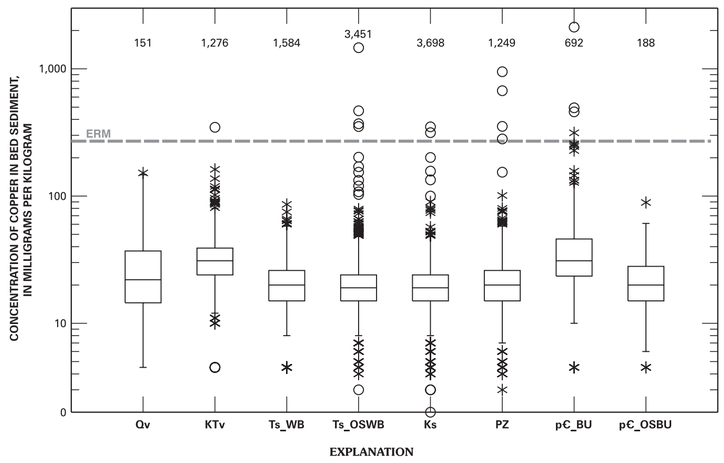
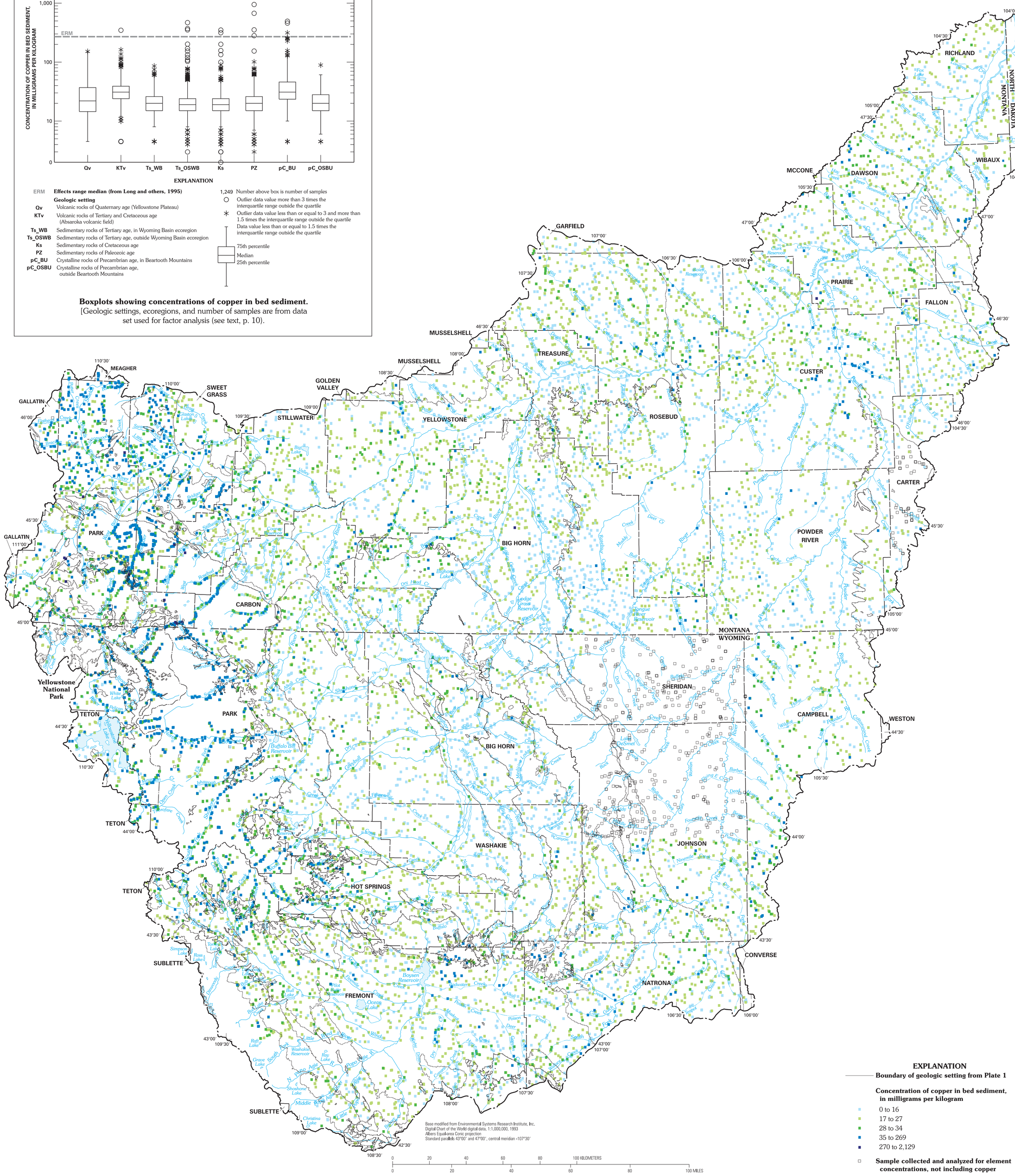


EXPLANATION

ERM	**Effects range median (from Long and others, 1995)**
	Geologic setting
Qv	Volcanic rocks of Quaternary age (Yellowstone Plateau)
KTv	Volcanic rocks of Tertiary and Cretaceous age (Absaroka volcanic field)
Ts_WB	Sedimentary rocks of Tertiary age, in Wyoming Basin ecoregion
Ts_OSWB	Sedimentary rocks of Tertiary age, outside Wyoming Basin ecoregion
Ks	Sedimentary rocks of Cretaceous age
PZ	Sedimentary rocks of Paleozoic age
pC_BU	Crystalline rocks of Precambrian age, in Beartooth Mountains
pC_OSBU	Crystalline rocks of Precambrian age, outside Beartooth Mountains

1,249 Number above box is number of samples
○ Outlier data value more than 3 times the interquartile range outside the quartile
✳ Outlier data value less than or equal to 3 and more than 1.5 times the interquartile range outside the quartile
Data value less than or equal to 1.5 times the interquartile range outside the quartile
75th percentile
Median
25th percentile

Boxplots showing concentrations of copper in bed sediment.
[Geologic settings, ecoregions, and number of samples are from data set used for factor analysis (see text, p. 10).



EXPLANATION

Boundary of geologic setting from Plate 1

Concentration of copper in bed sediment, in milligrams per kilogram

- 0 to 16
- 17 to 27
- 28 to 34
- 35 to 269
- 270 to 2,129

Sample collected and analyzed for element concentrations, not including copper

MAP SHOWING CONCENTRATIONS OF COPPER IN BED-SEDIMENT SAMPLES, YELLOWSTONE RIVER BASIN

By

David A. Peterson and Ronald B. Zelt