

Figure 5.—RELATIVE CLAY CONTENT IN B-HORIZON SOILS.

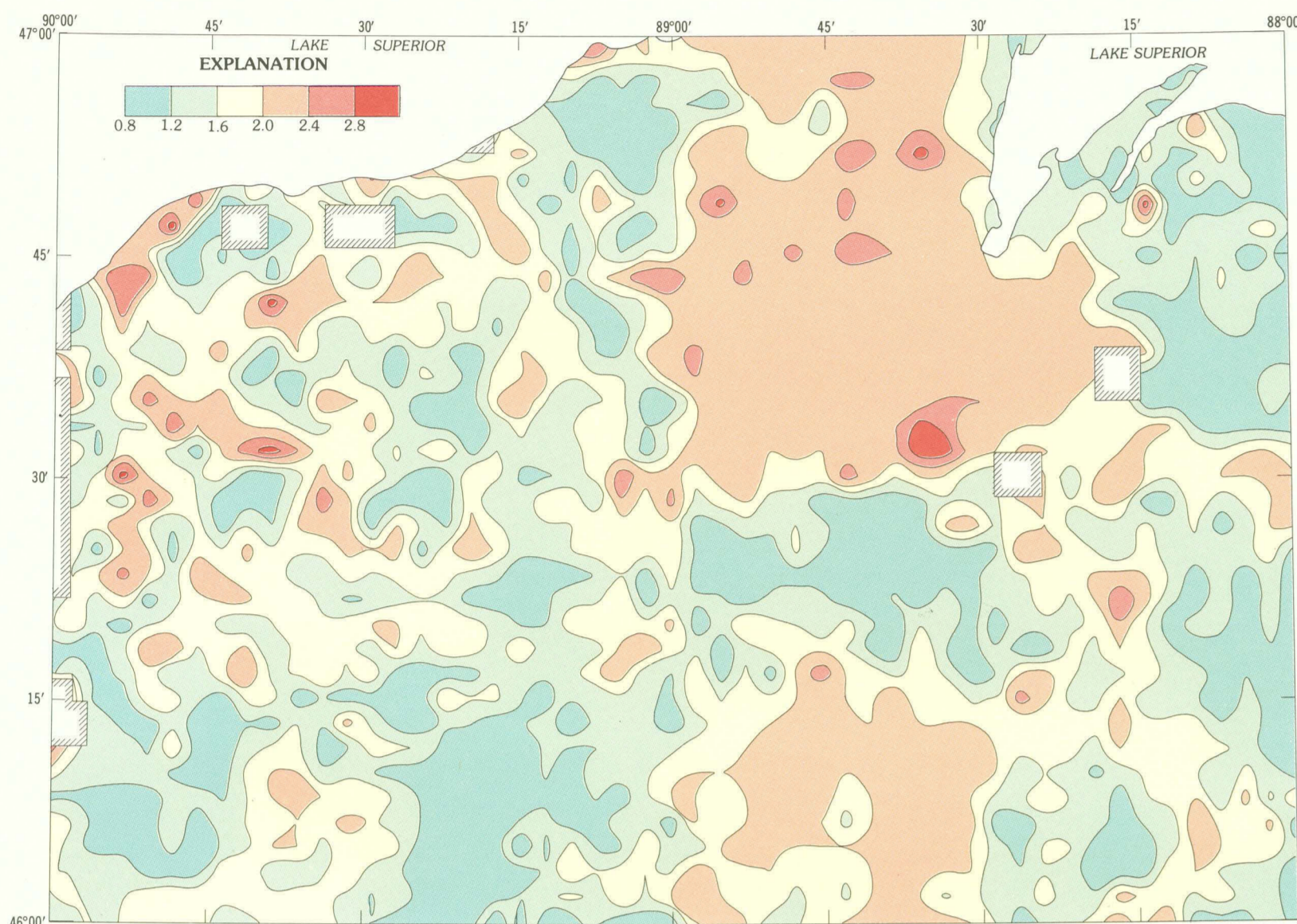


Figure 6.—RELATIVE MOISTURE OF B-HORIZON SOILS.

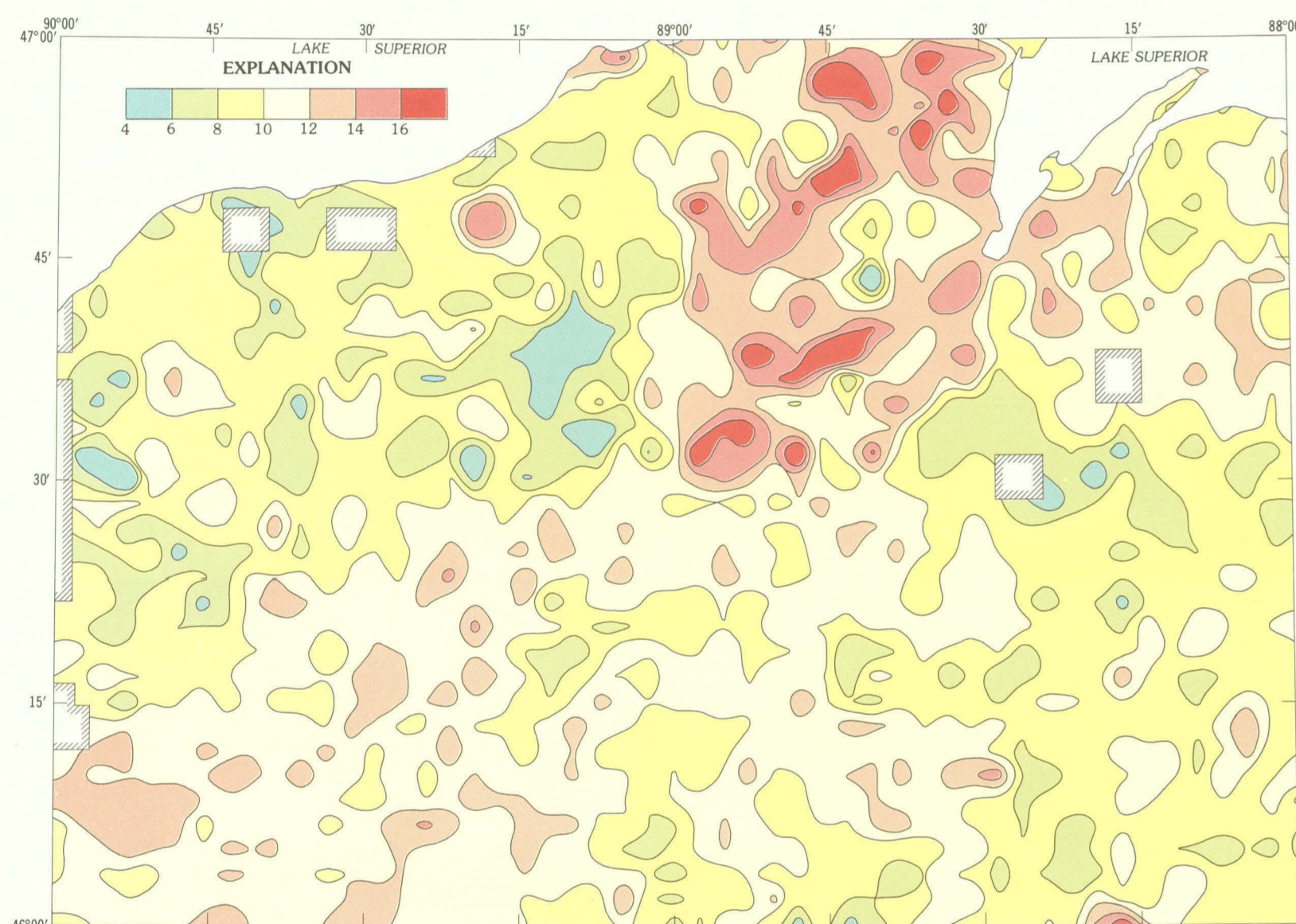


Figure 7.—DEPTH TO B-HORIZON (IN INCHES).

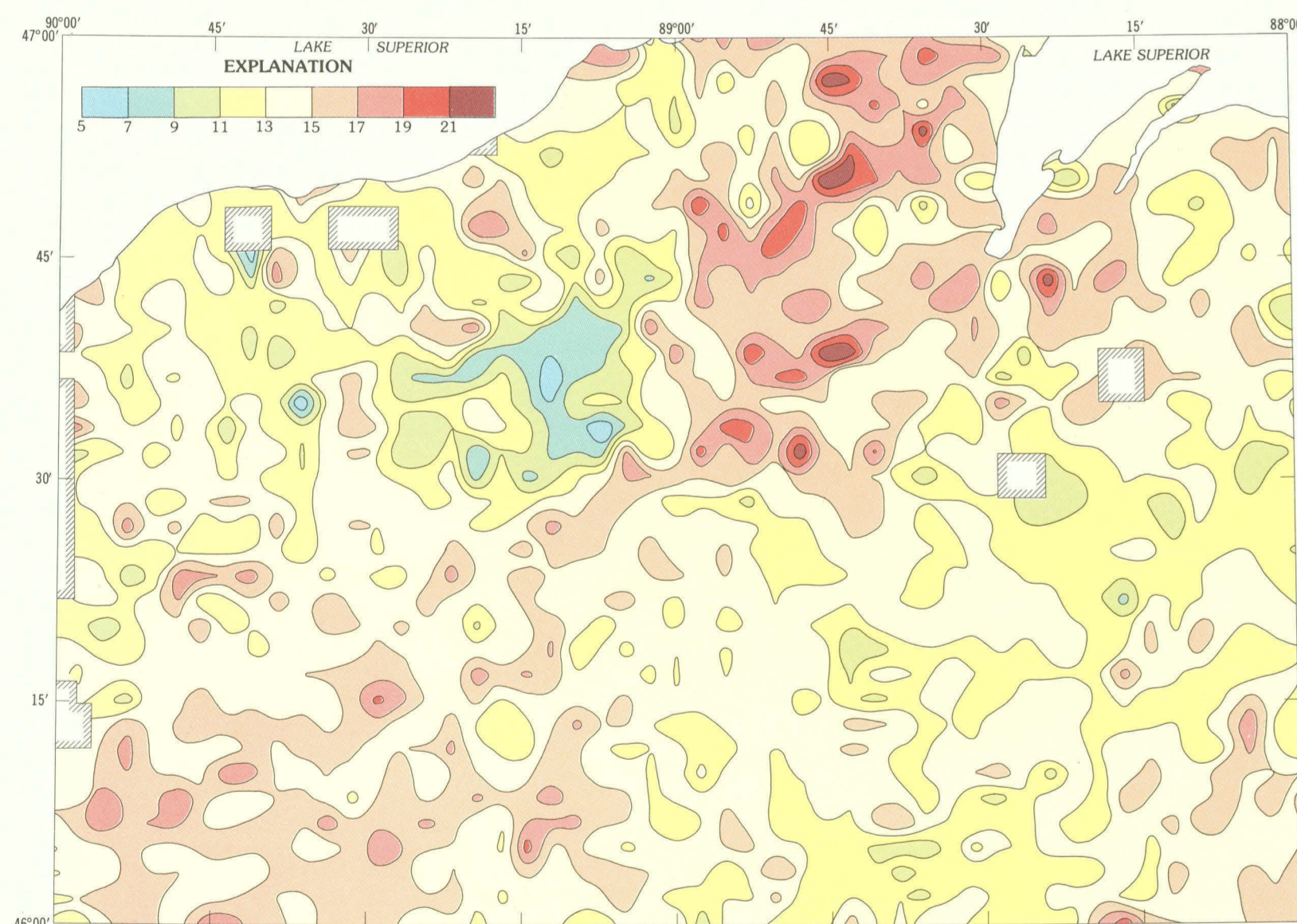


Figure 8.—DEPTH AT WHICH B-HORIZON SOIL WAS COLLECTED (IN INCHES).

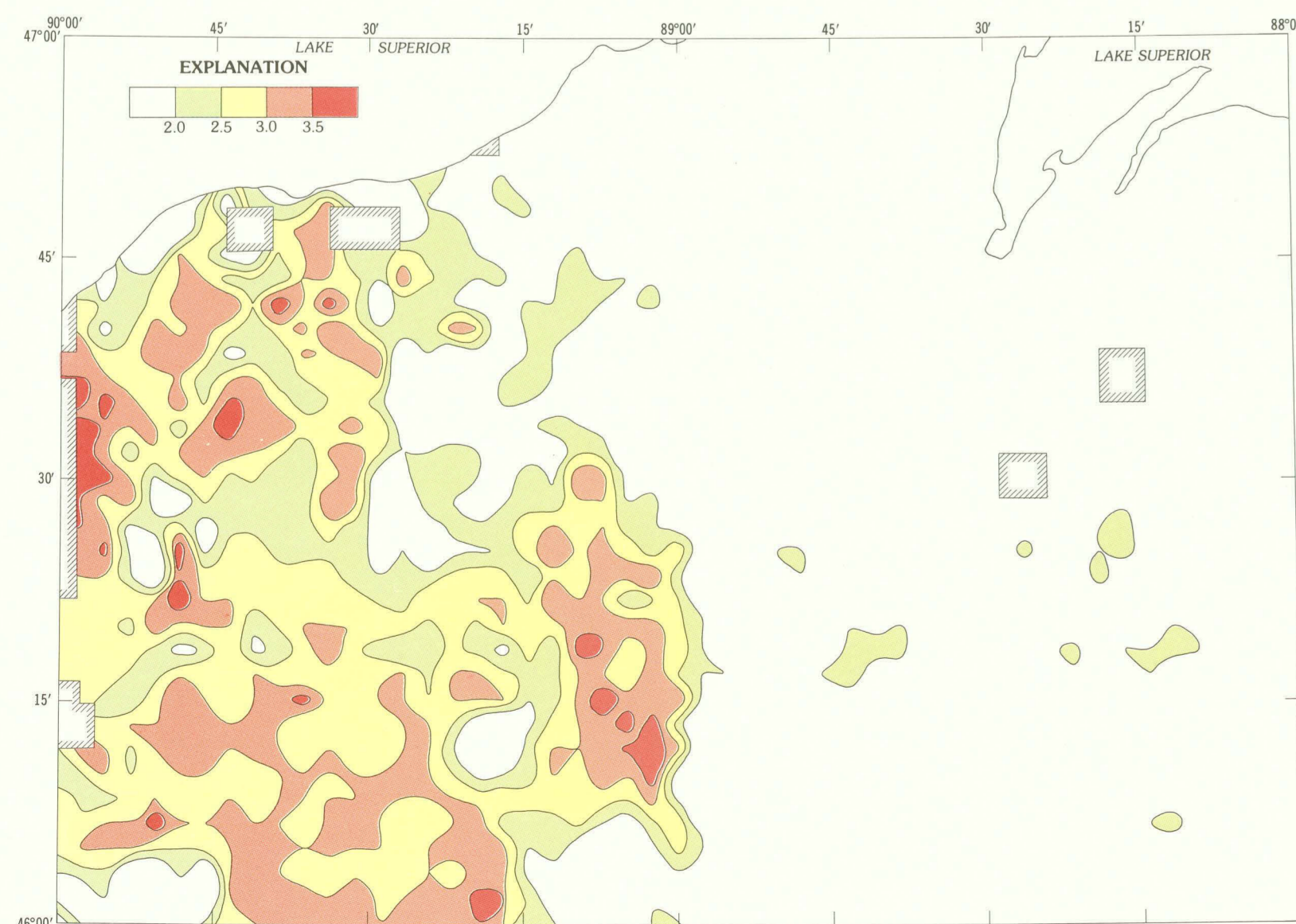


Figure 9.—RELATIVE ORGANIC CONTENT OF B-HORIZON SOILS.

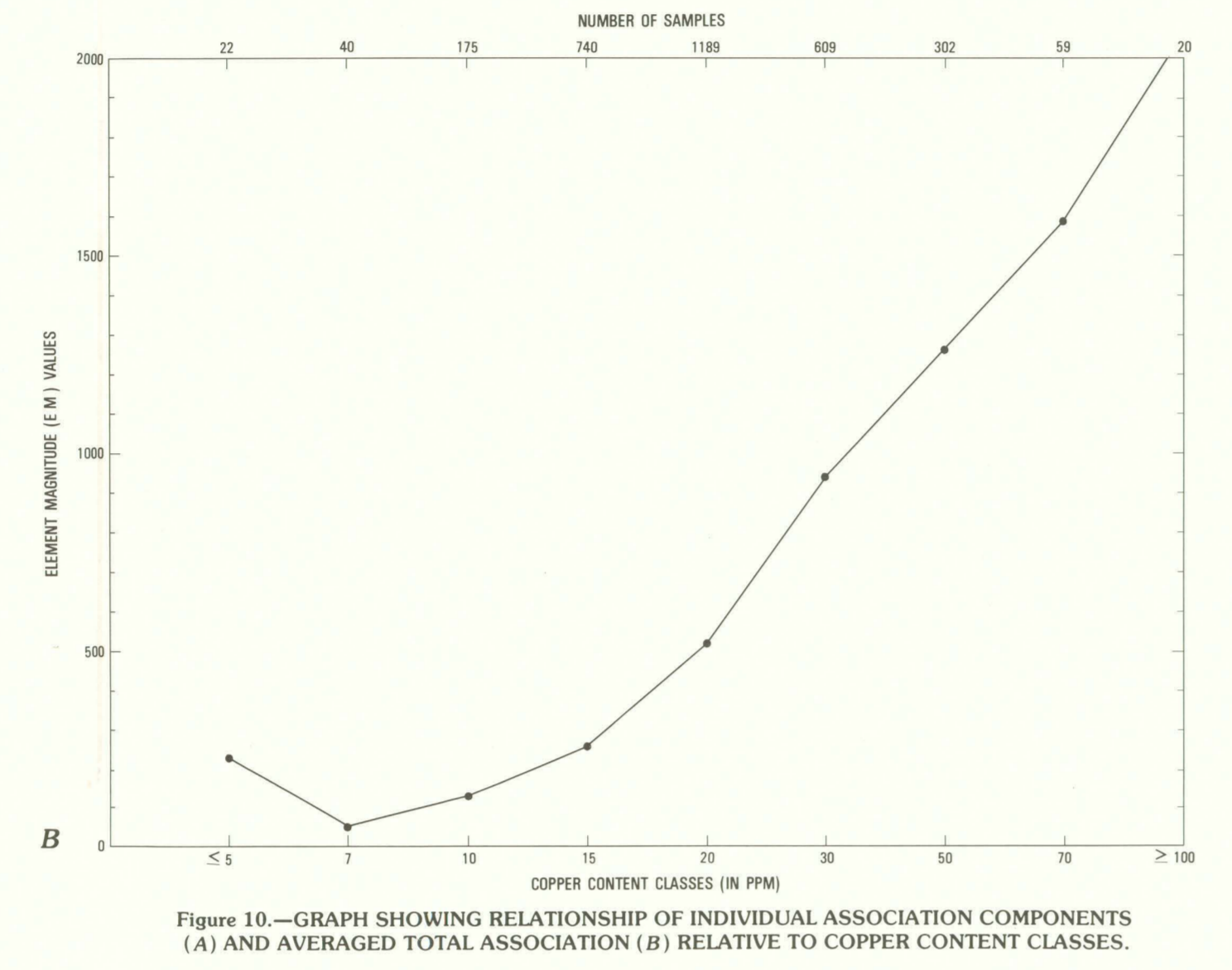
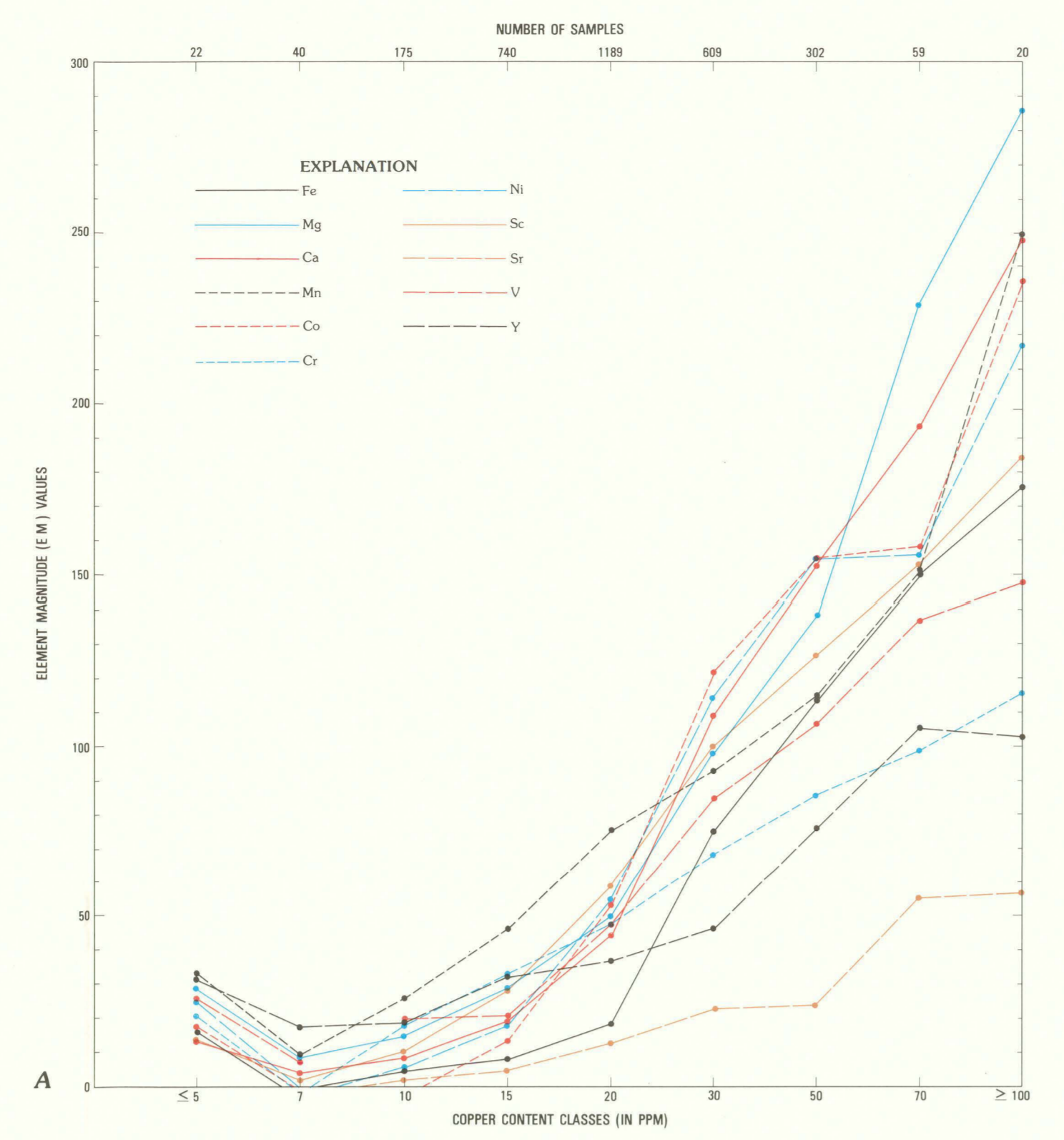


Figure 10.—GRAPH SHOWING RELATIONSHIP OF INDIVIDUAL ASSOCIATION COMPONENTS (A) AND AVERAGED TOTAL ASSOCIATION (B) RELATIVE TO COPPER CONTENT CLASSES.

	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85-90	90-95	95-100
Fe	1.7	3.4	18.4	37.3	32.2	8.8														
Mg	0.7	2.2	8.2	15.8	1.6															
Ca	5.3	16.4	22.2	2.8	1.2															
Mn	0.5	35.5	62.7	3.0	8.2	0.1														
Cu	30.1	61.2	11.1																	
Zn	8.1	2.5																		
Other	2.4	4.5																		

Figure 11.—SCATTER DIAGRAM SHOWING KIND AND DEGREE OF MODIFICATION OF CALCULATED COPPER RELATIVE TO RAW COPPER VALUES (PLOTTED IN PERCENT OF RAW COPPER CLASS). Shaded squares indicate a 1:1 ratio.

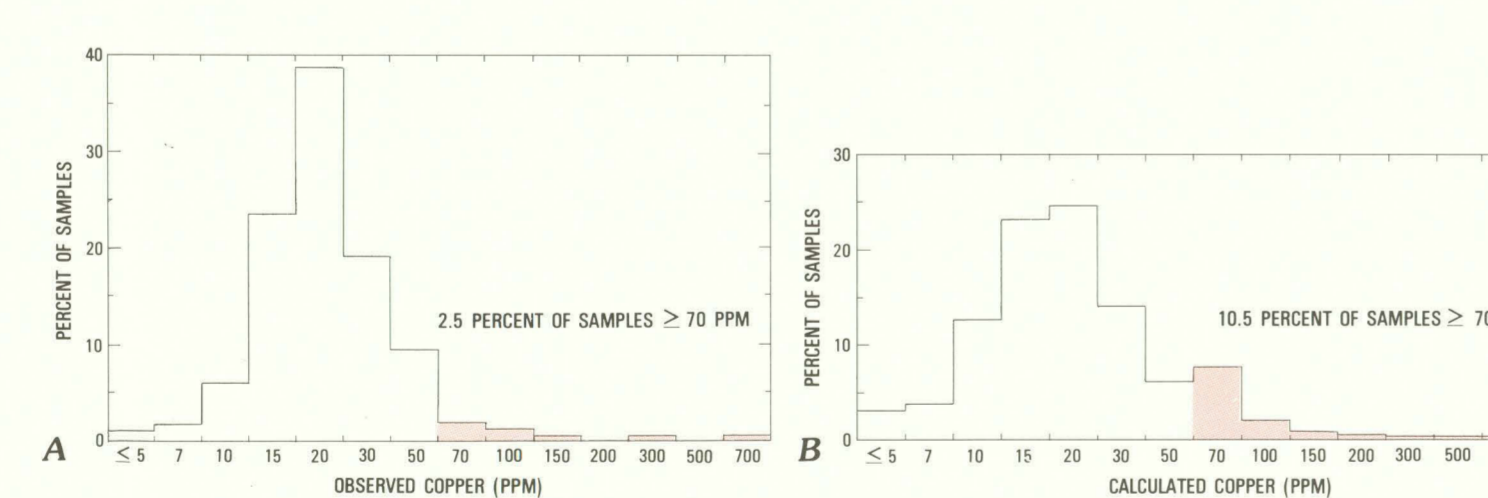


Figure 12.—HISTOGRAM SHOWING OBSERVED (A) AND CALCULATED COPPER (B) CONTENT FREQUENCY DISTRIBUTION.

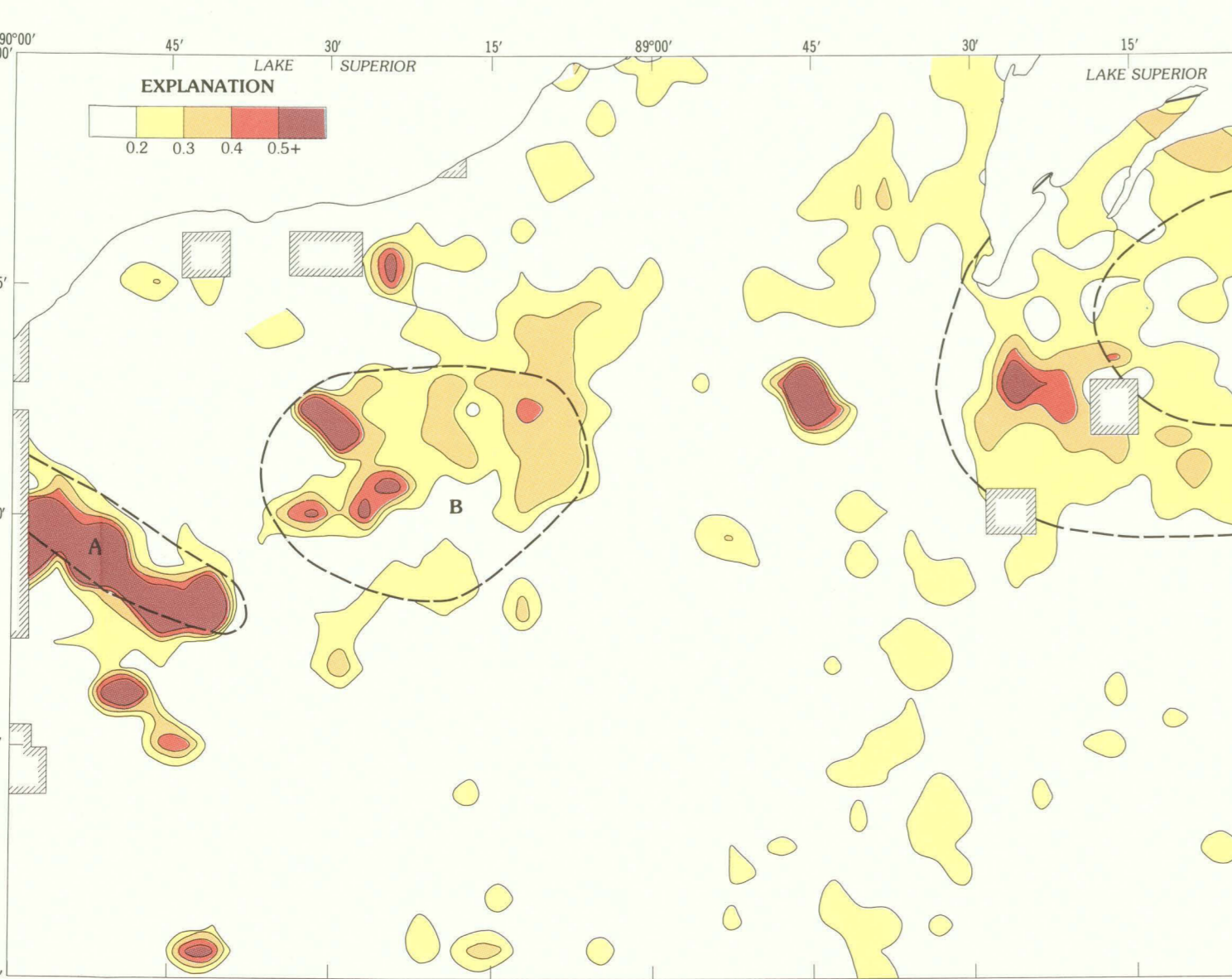


Figure 13.—POSTULATED HYDROTHERMALLY AFFECTED AREAS SUPERIMPOSED ON AN ISOPLETH PLOT OF AREAS THAT ARE ENRICHED IN BERYLLIUM, DEPLETED IN STRONTIUM, AND ENRICHED IN MAGNESIUM AND IRON WITH ENRICHMENT IN MAGNESIUM GREATER THAN IRON. Anomalous areas herein are called Wakefield (A), Matchwood (B), and Michigan (C) anomalies.

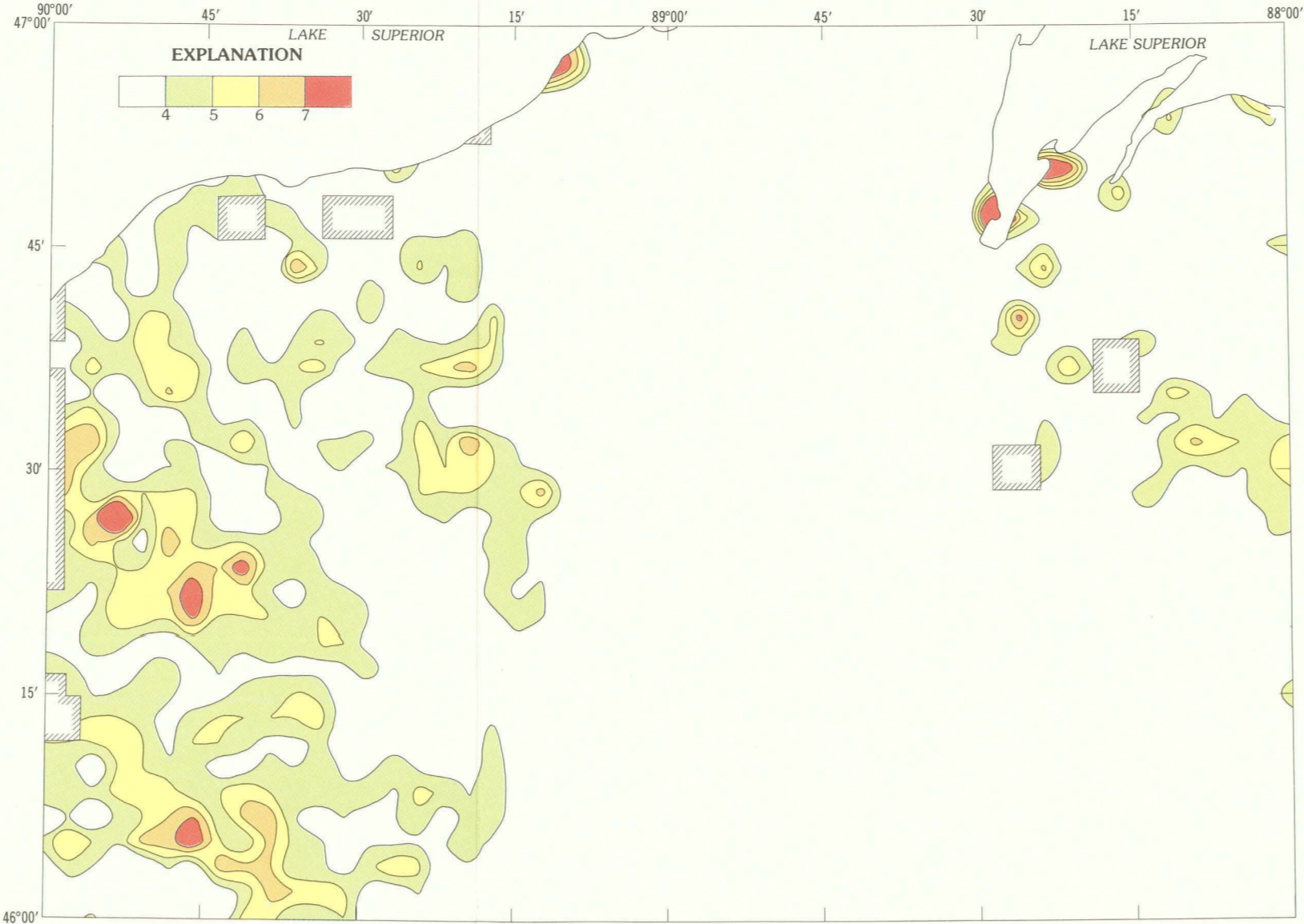


Figure 14.—IRON CONTENT OF B-HORIZON SOILS (IN PERCENT).

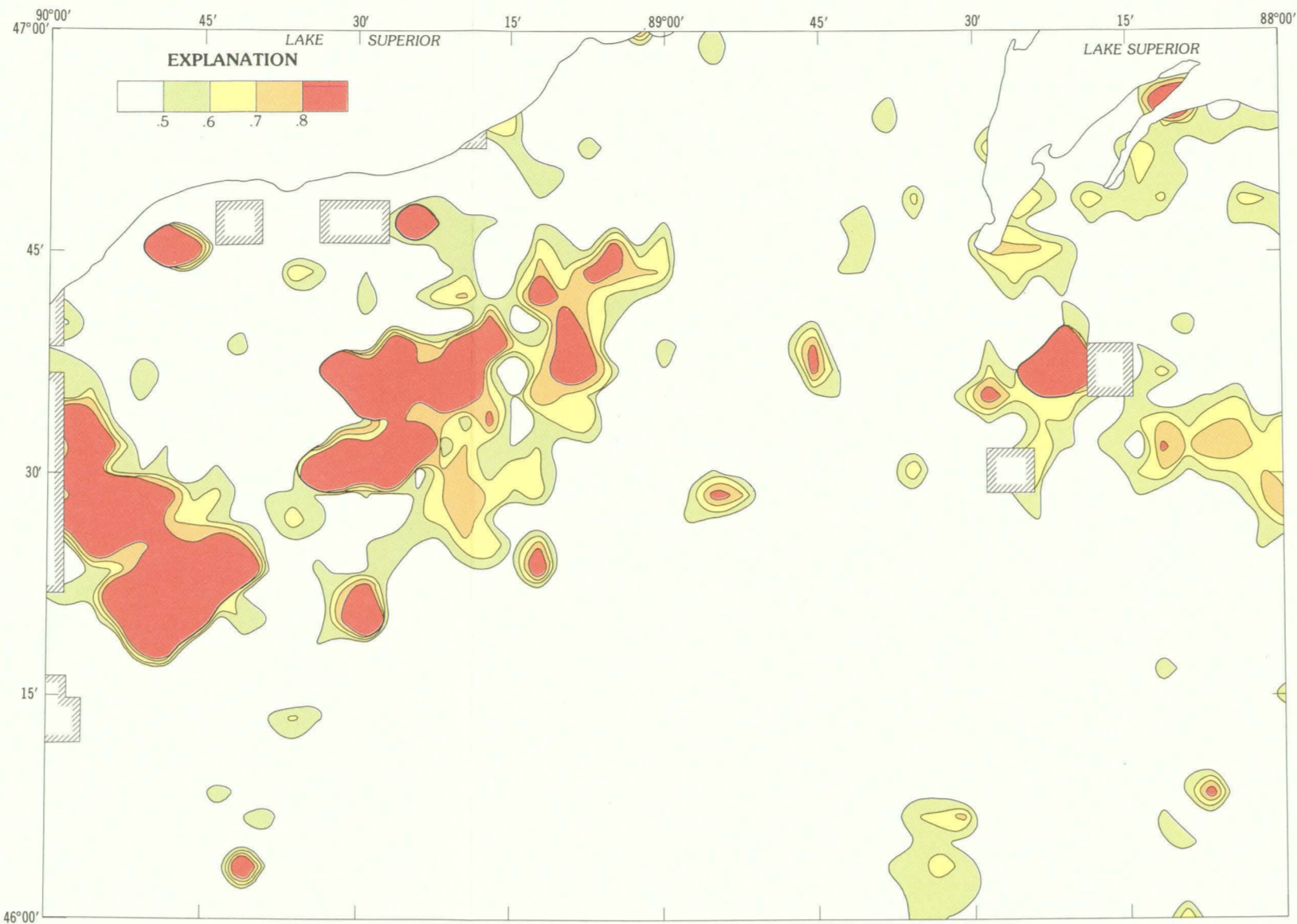


Figure 15.—MAGNESIUM CONTENT OF B-HORIZON SOILS (IN PERCENT).

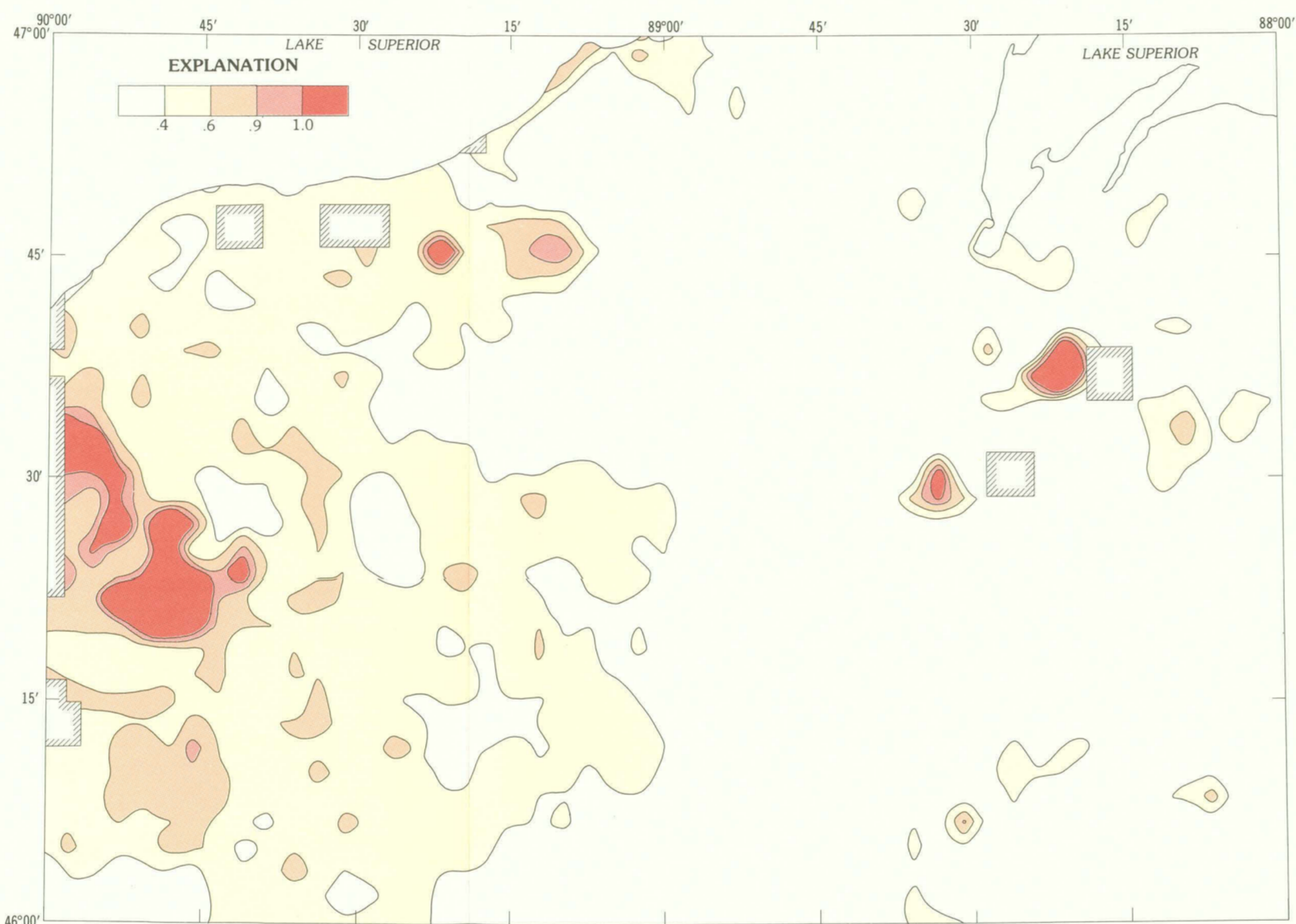


Figure 16.—CALCIUM CONTENT OF B-HORIZON SOILS (IN PERCENT).

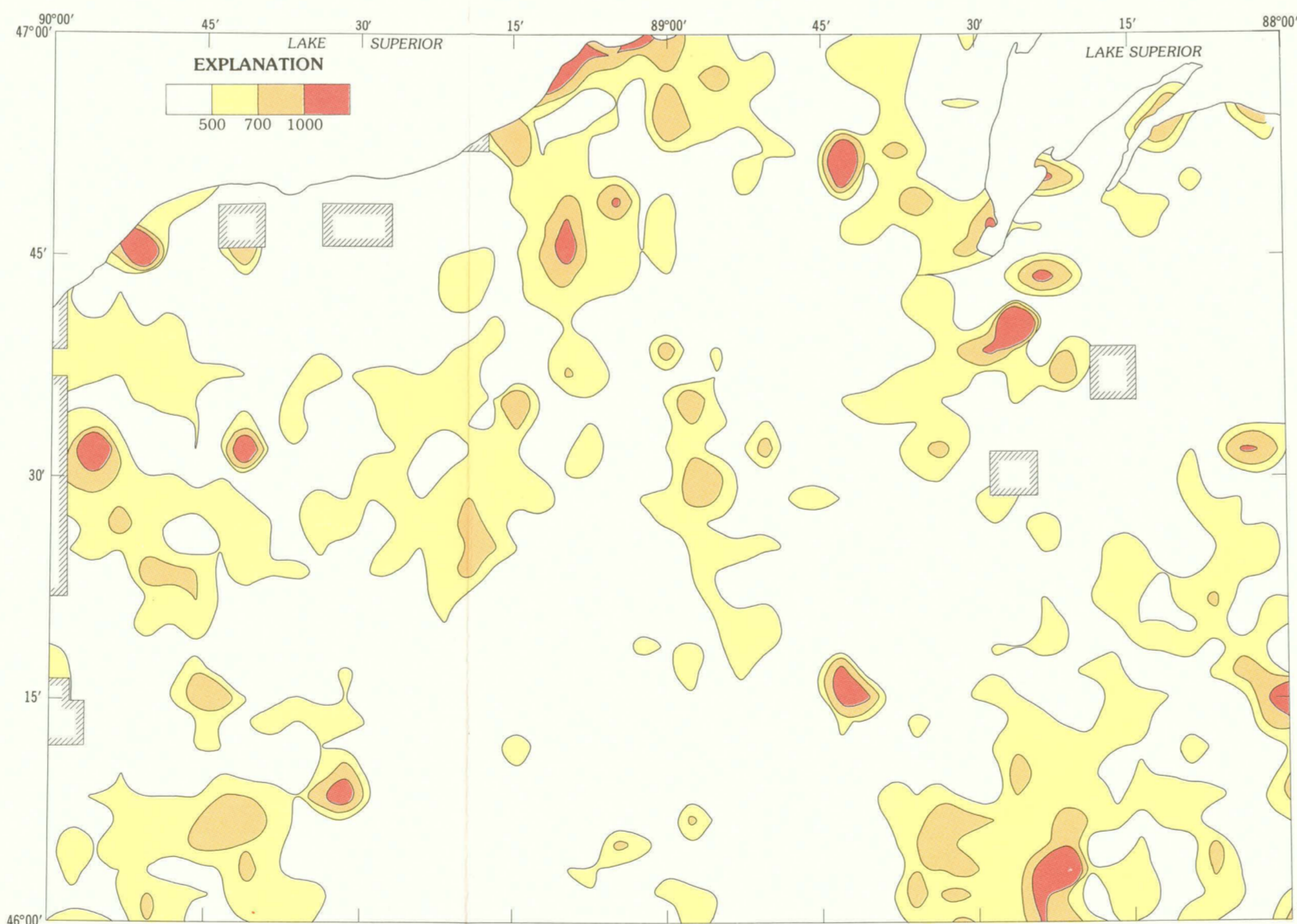


Figure 17.—MANGANESE CONTENT OF B-HORIZON SOILS (IN PPM).



Figure 18.—BERYLLIUM CONTENT OF B-HORIZON SOILS (IN PPM).

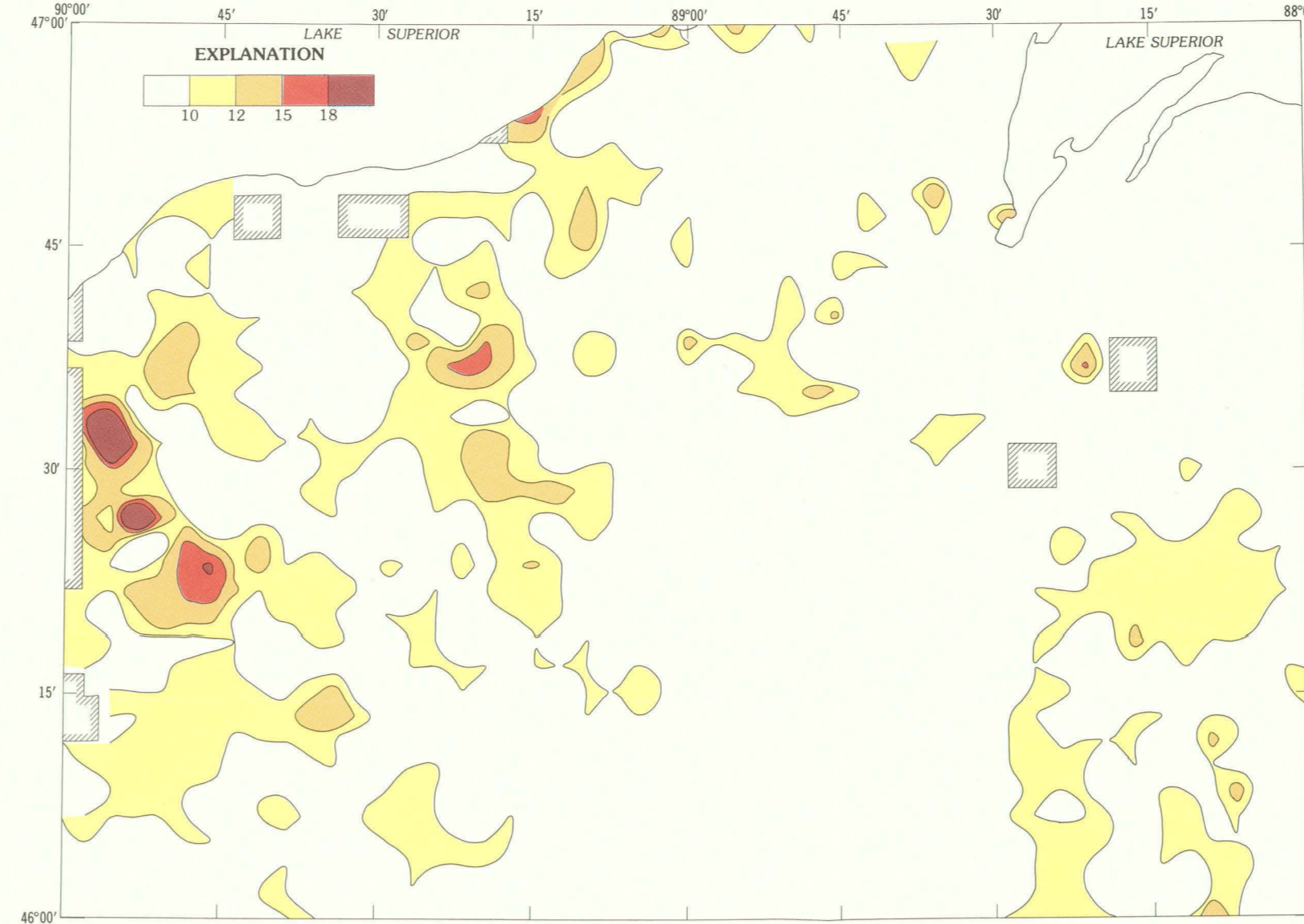


Figure 19.—SCANDIUM CONTENT OF B-HORIZON SOILS (IN PPM).

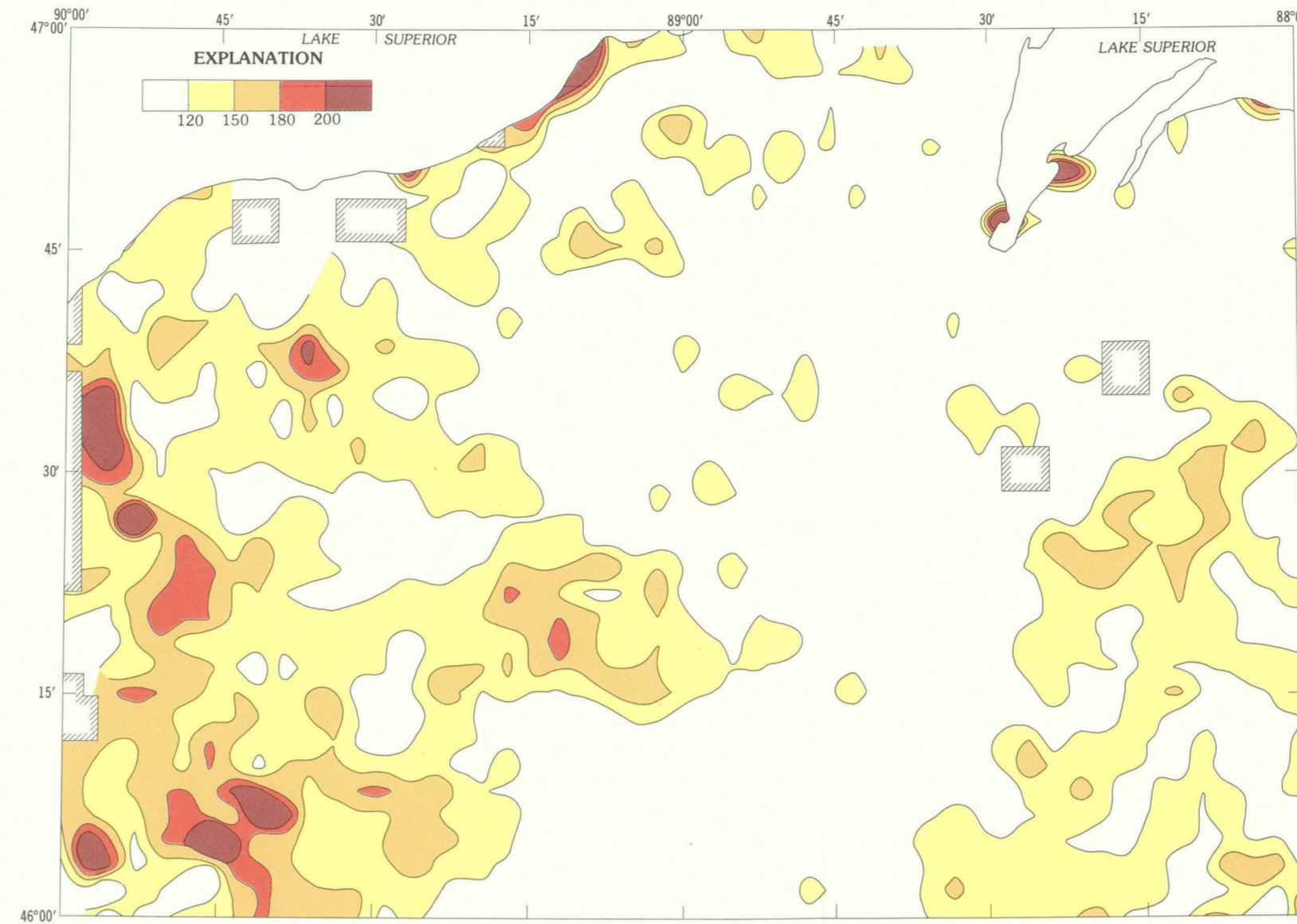


Figure 20.—VANADIUM CONTENT OF B-HORIZON SOILS (IN PPM).

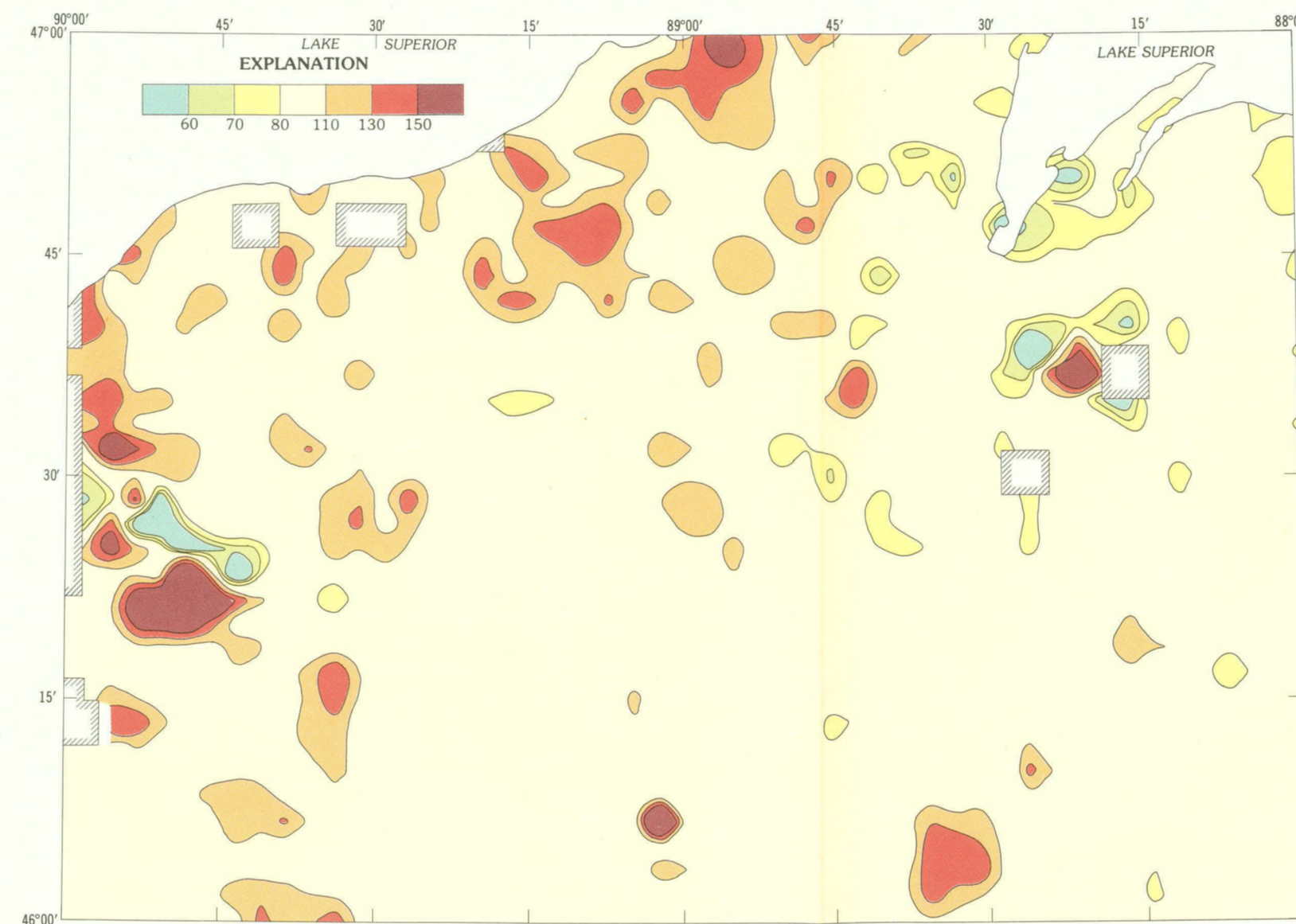


Figure 21.—STRONTIUM CONTENT OF B-HORIZON SOILS (IN PPM).

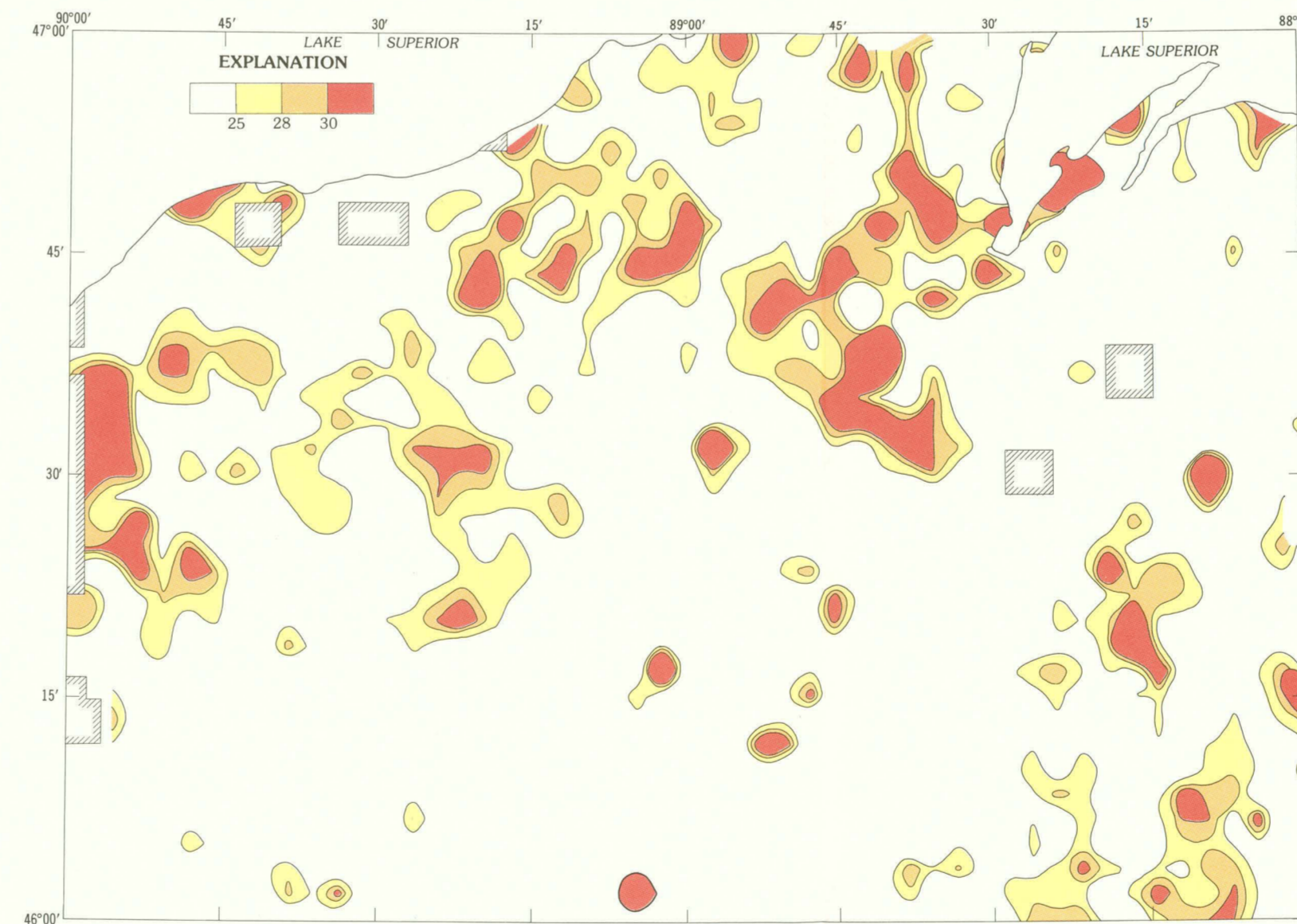


Figure 22.—YTRIUM CONTENT OF B-HORIZON SOILS (IN PPM).

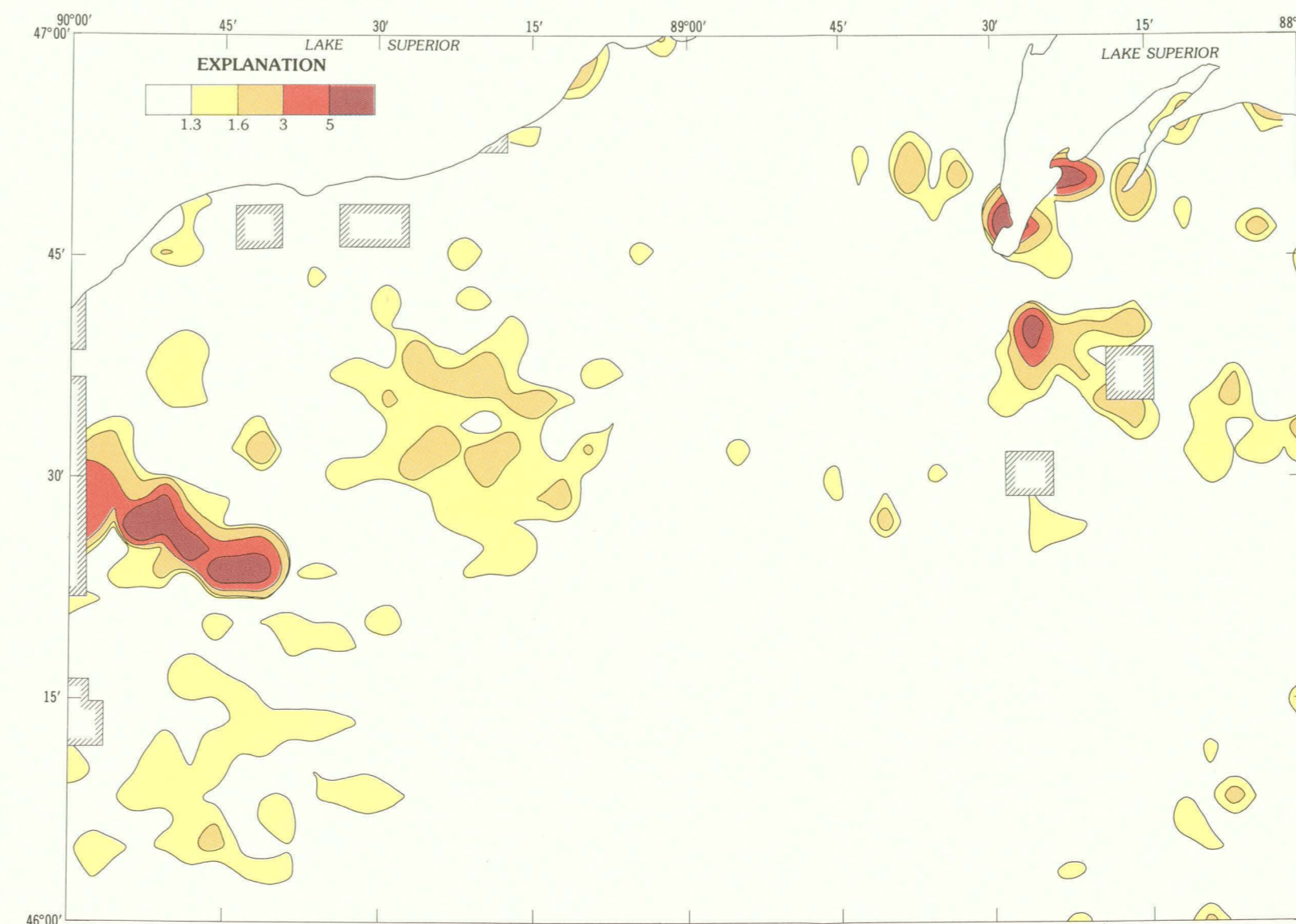


Figure 23.—MAP SHOWING INVERSE STRONTIUM ANOMALIES. Contours delineate areas within which Sr comprises an anomalously minor proportion of the total Ca elemental association.

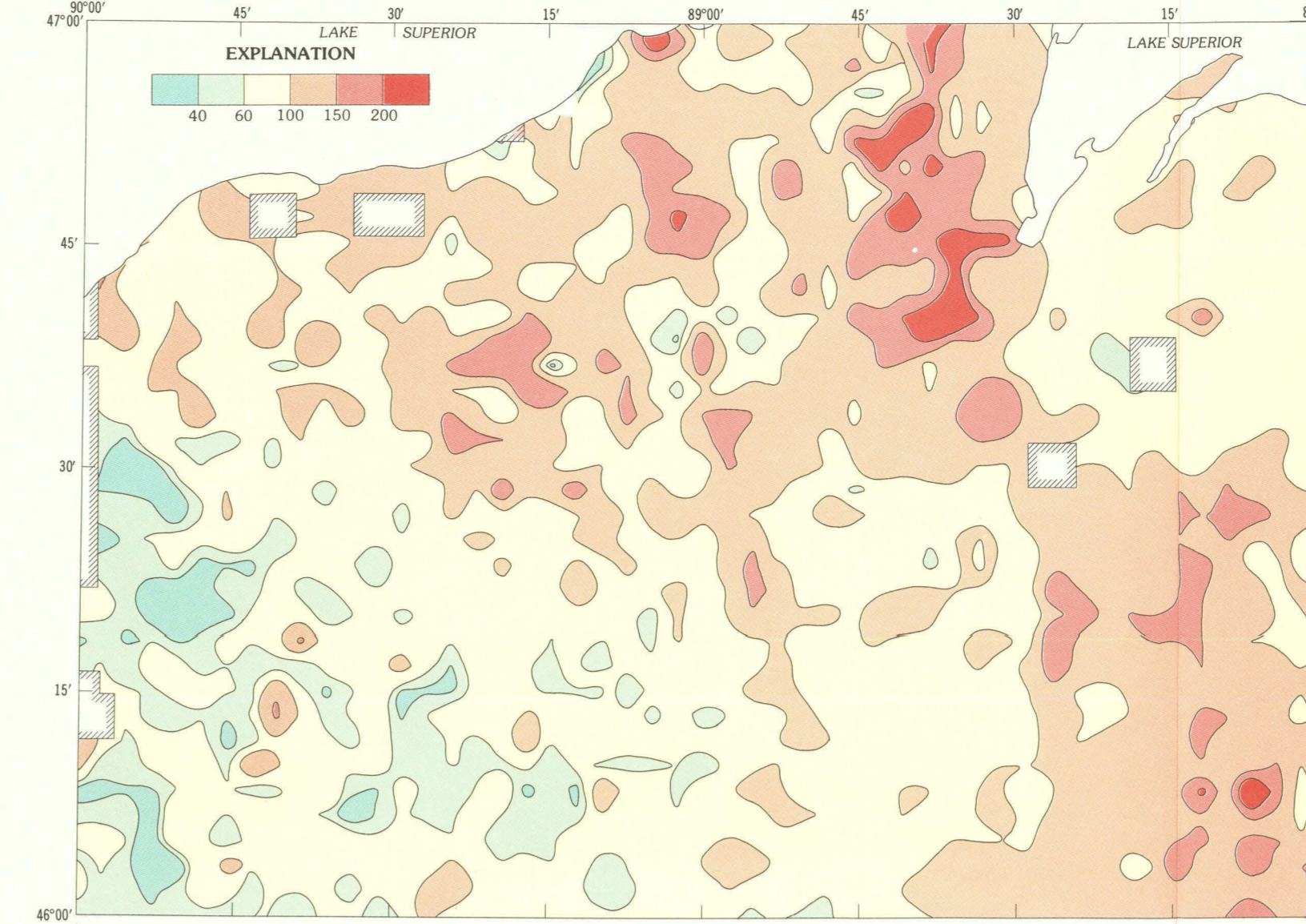


Figure 24.—BORON CONTENT OF B-HORIZON SOILS (IN PPM).

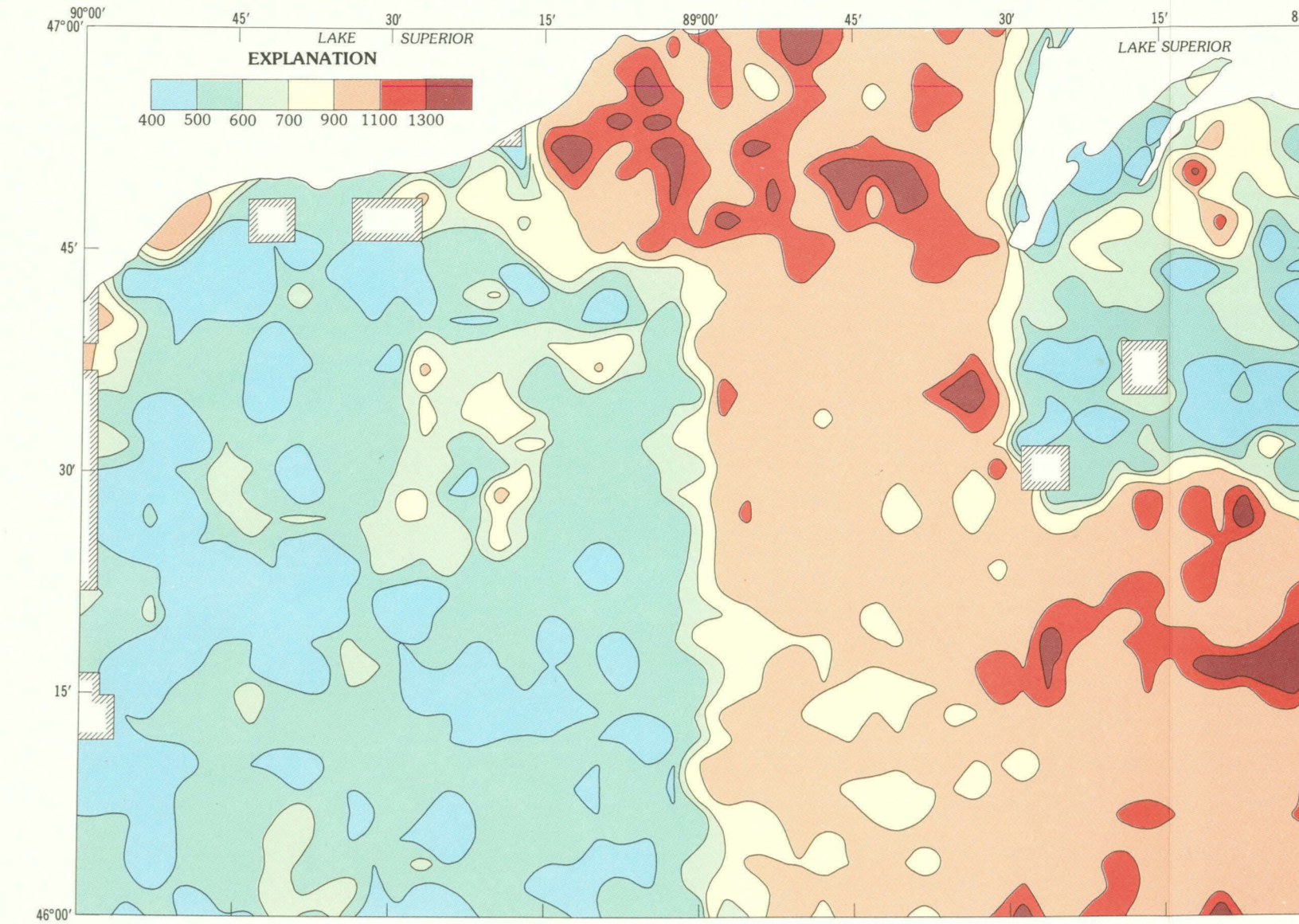


Figure 25.—BARIUM CONTENT OF B-HORIZON SOILS (IN PPM).

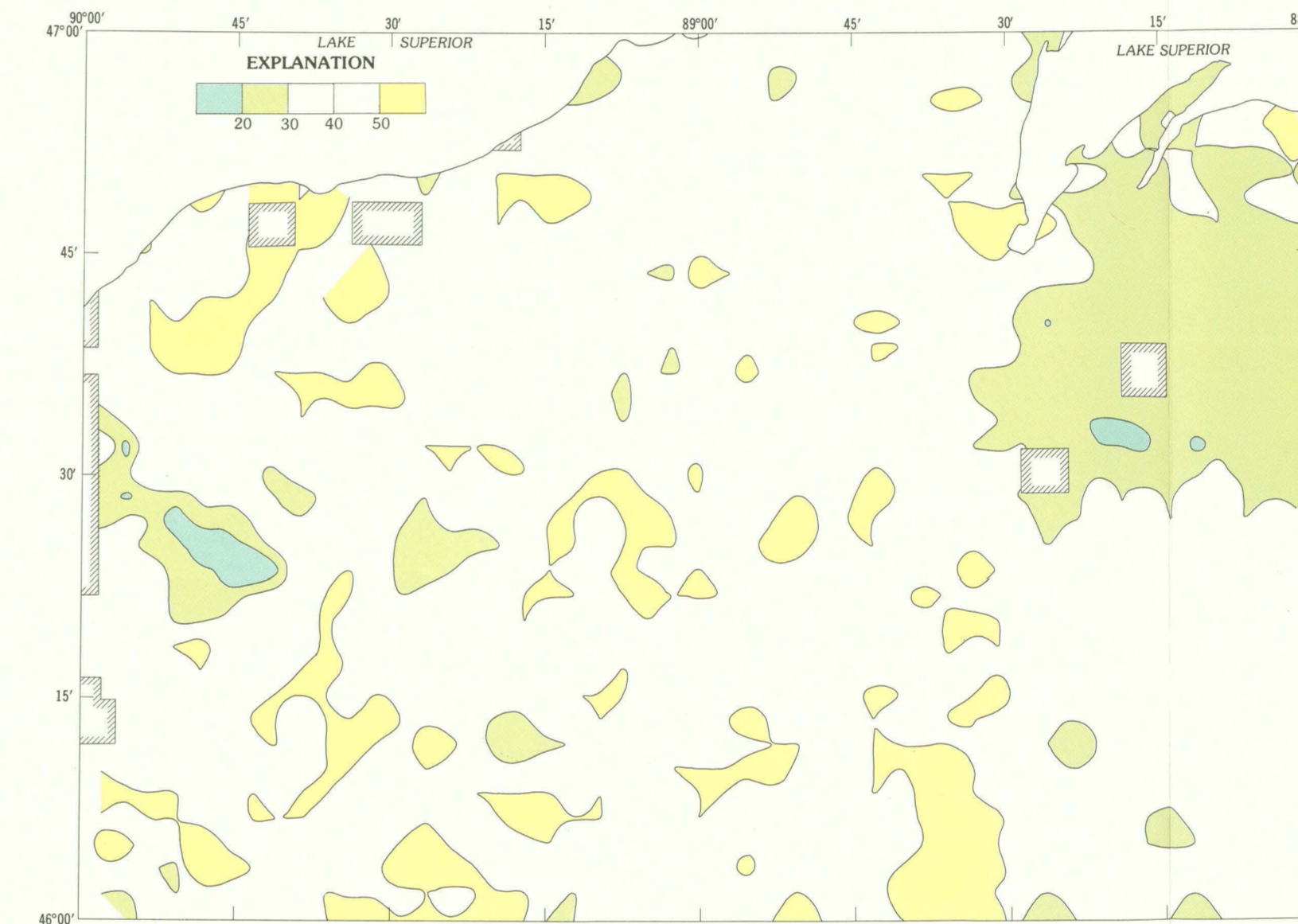


Figure 26.—LANTHANUM CONTENT OF B-HORIZON SOILS (IN PPM).

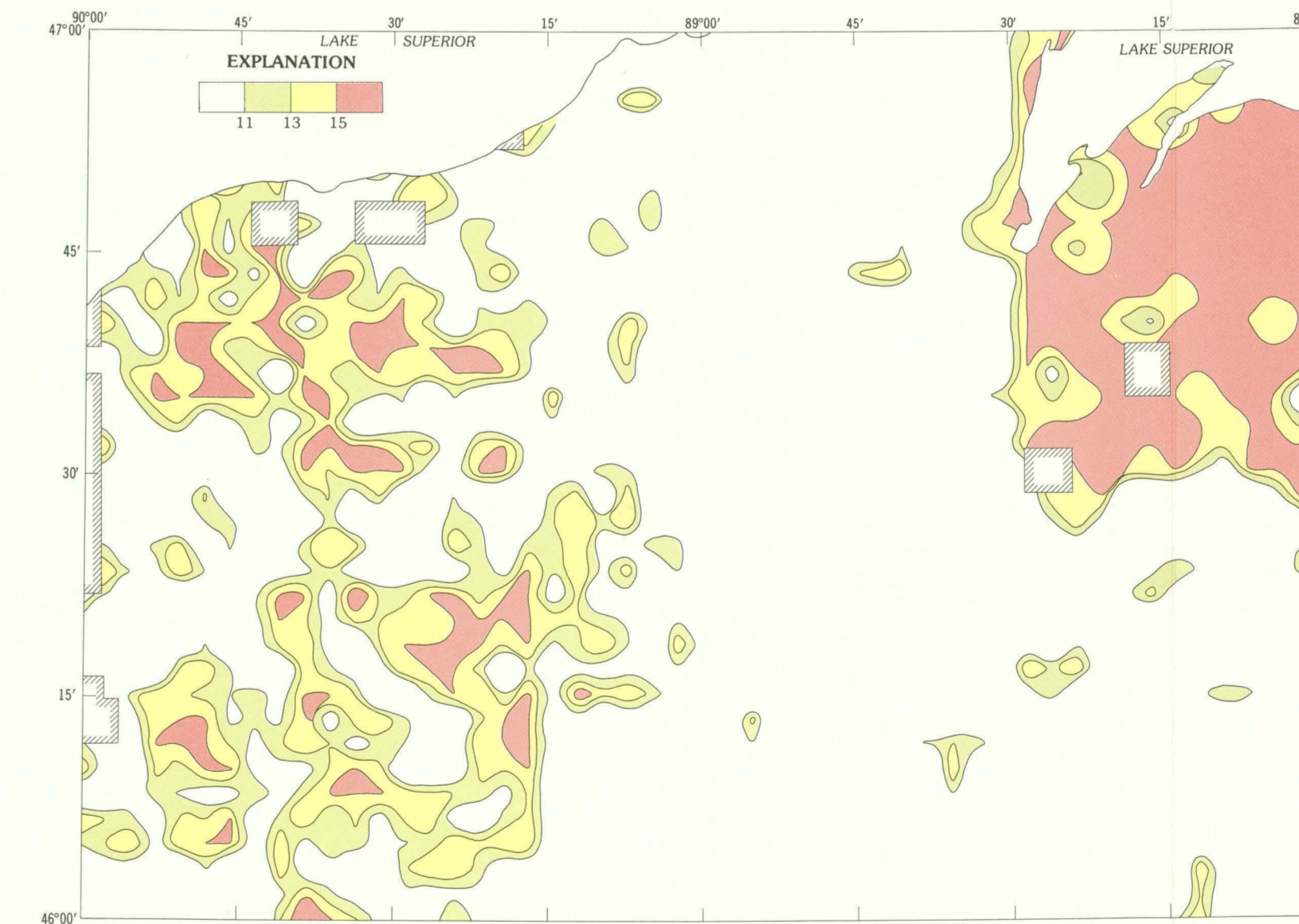


Figure 27.—NIOBIUM CONTENT OF B-HORIZON SOILS (IN PPM).

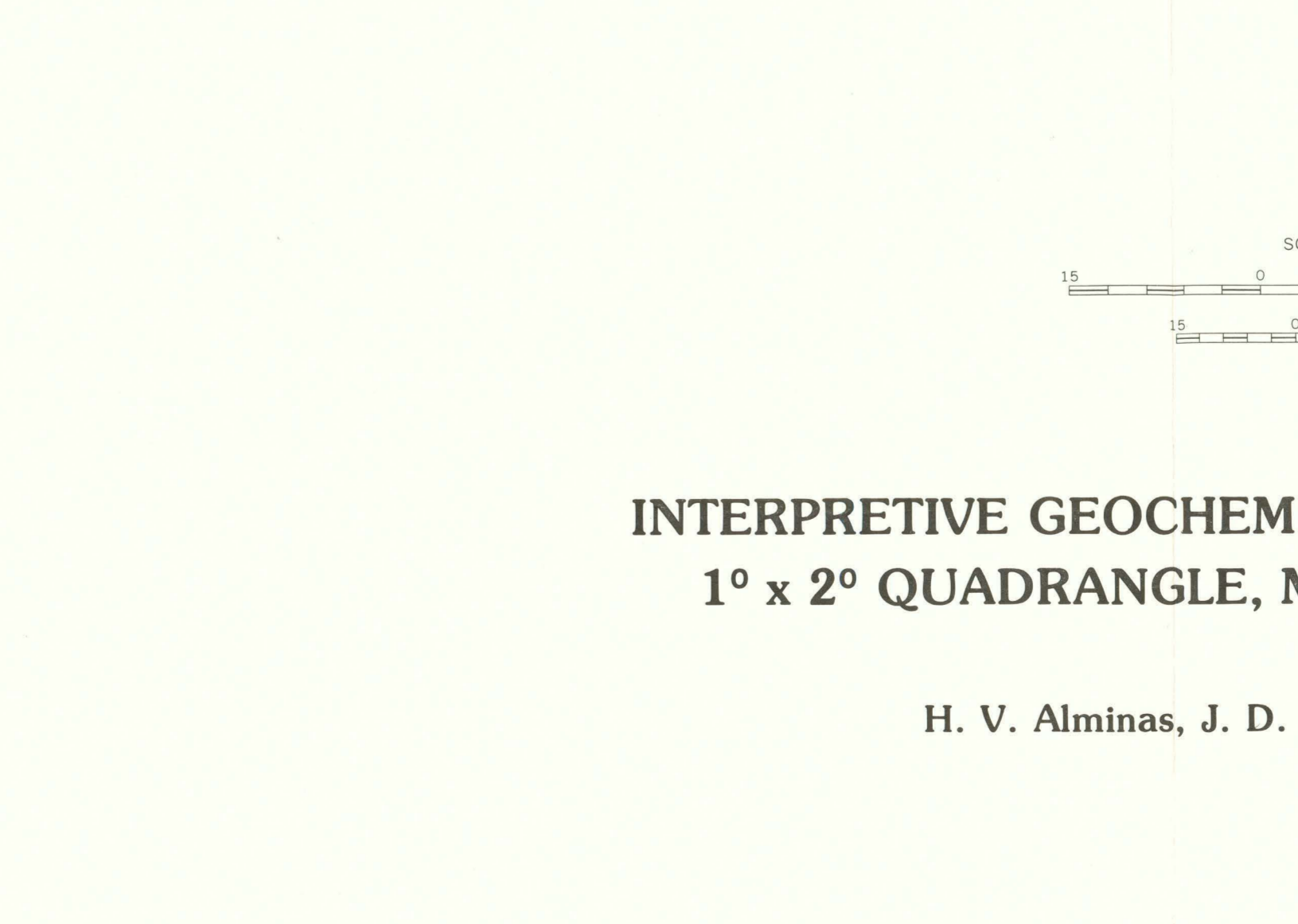


Figure 28.—MAP SHOWING COPPER ANOMALIES. Contour values are modified from raw values and indicate relative copper proportion of the total copper association (in percent).

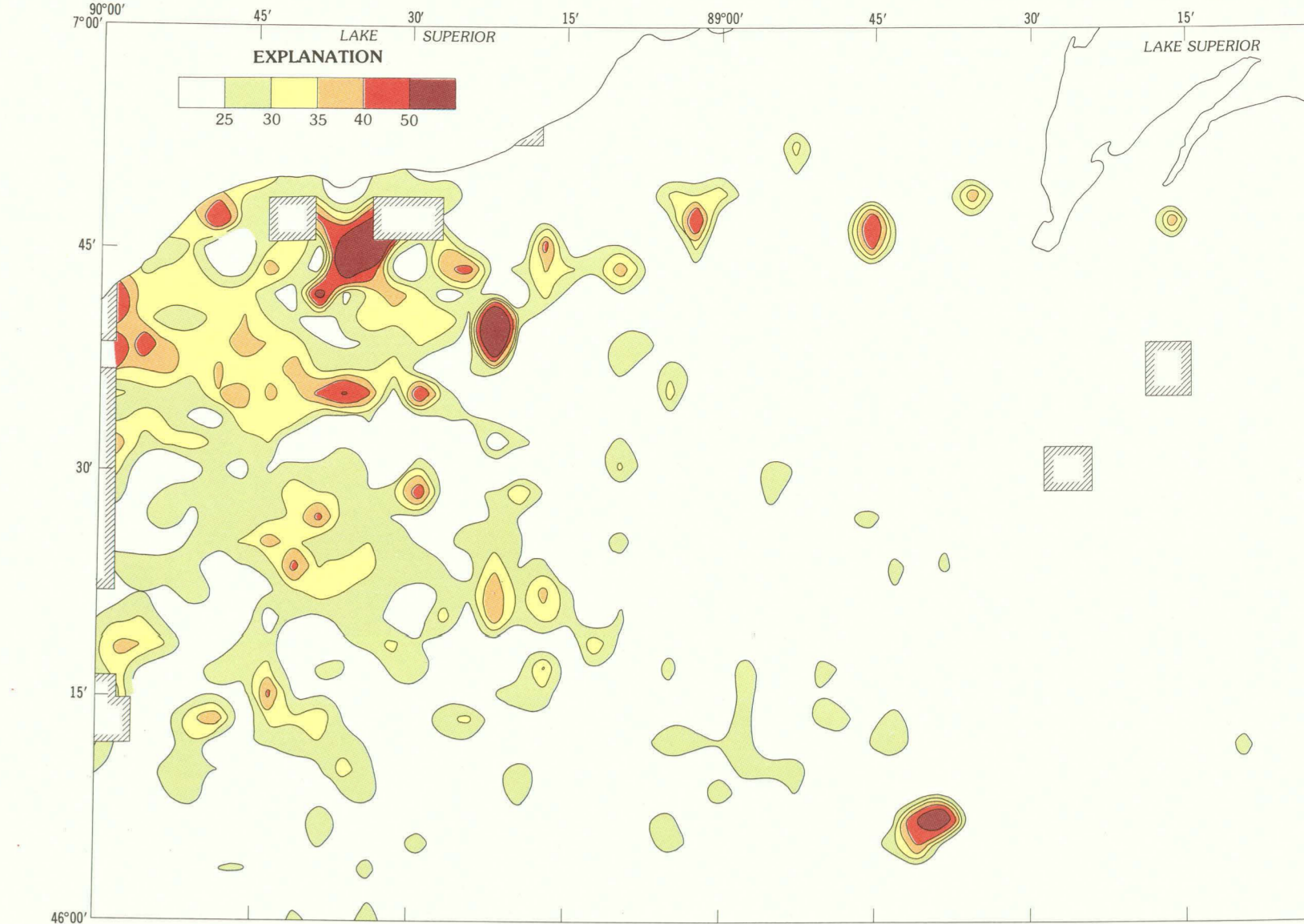


Figure 29.—MAP SHOWING NICKEL ANOMALIES. Contour values are modified from raw values and indicate relative nickel proportion of the total nickel association (in percent).

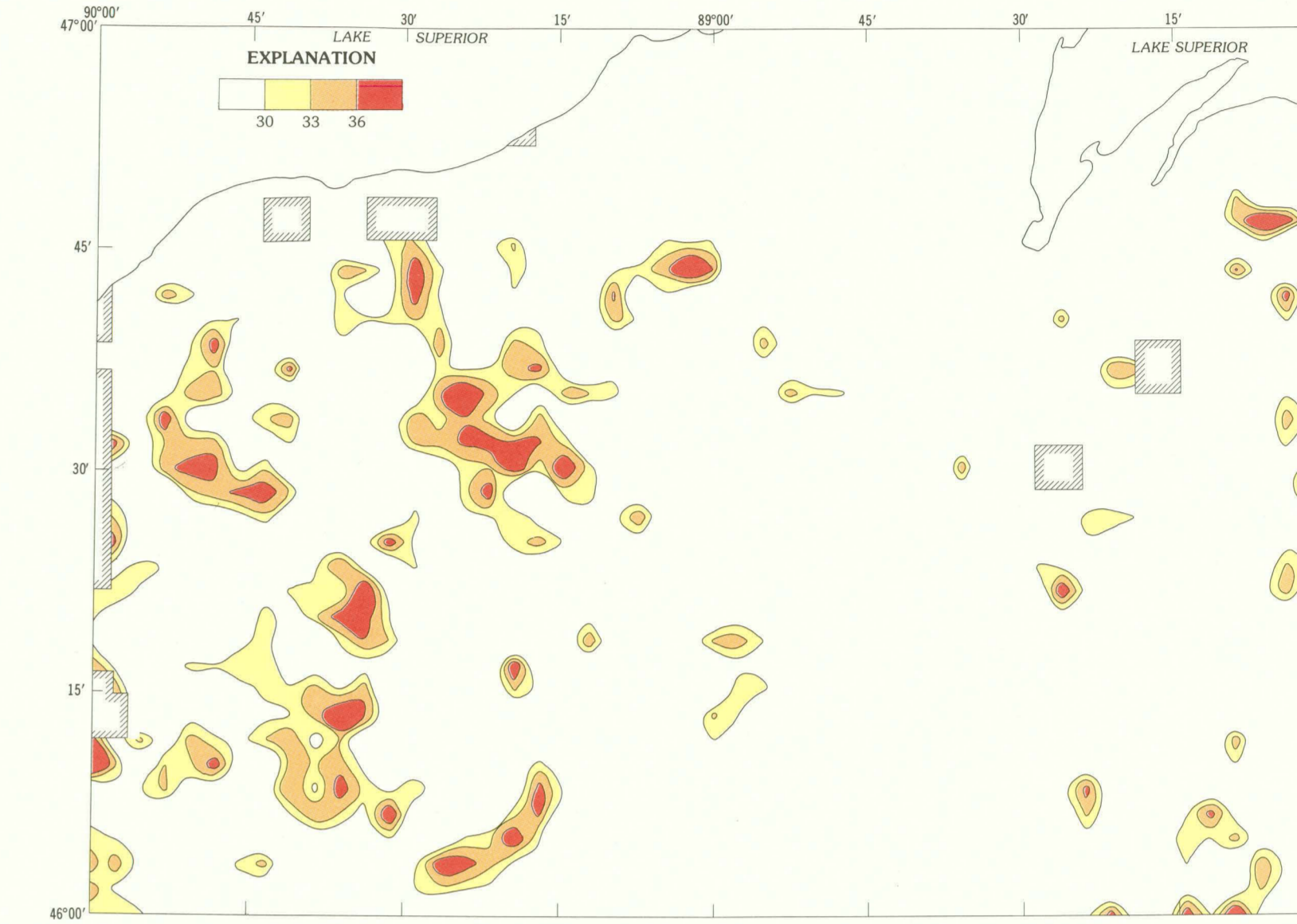


Figure 30.—MAP SHOWING COBALT ANOMALIES. Contour values are modified from raw values and indicate relative cobalt proportion of the total cobalt association (in percent).

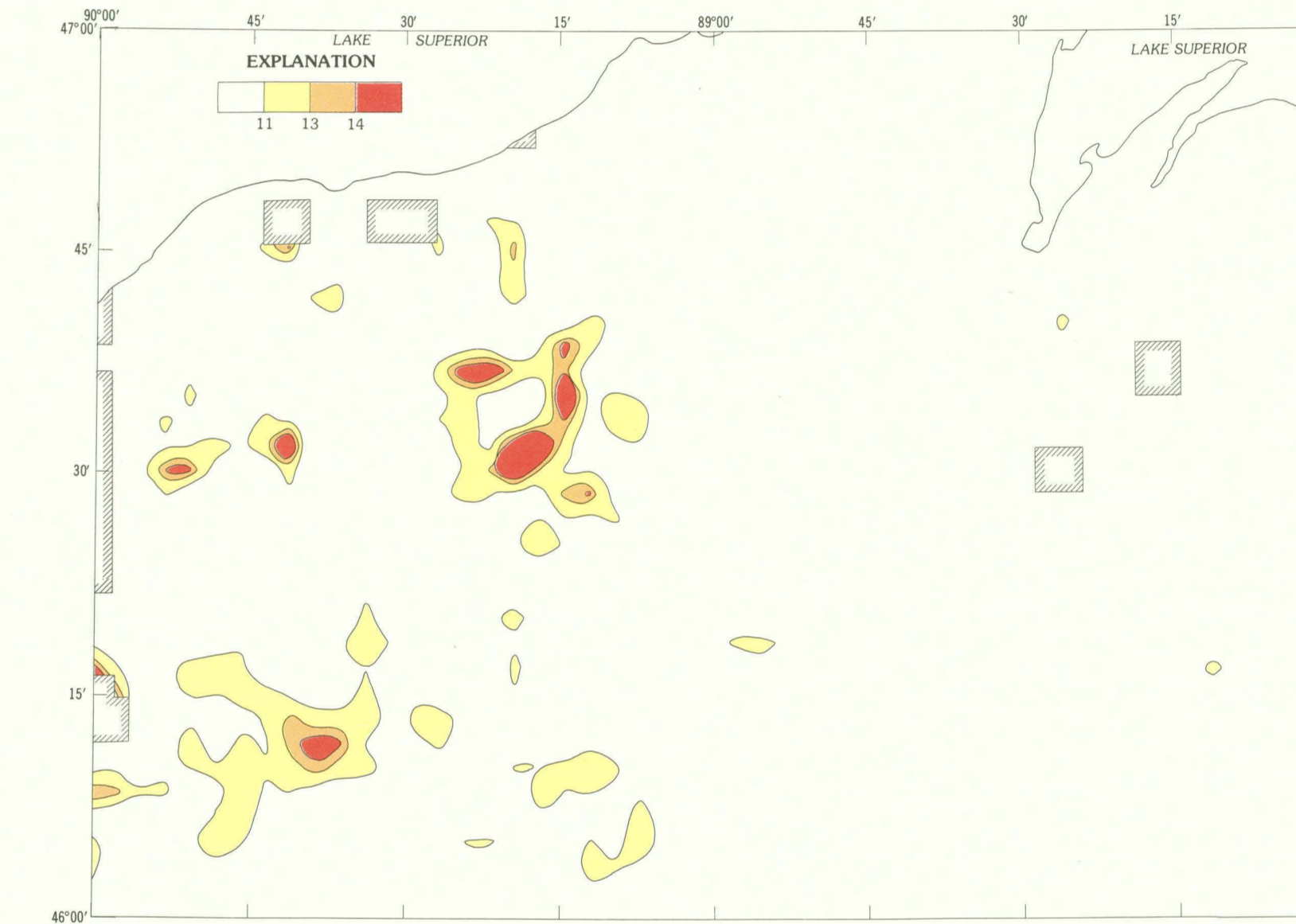
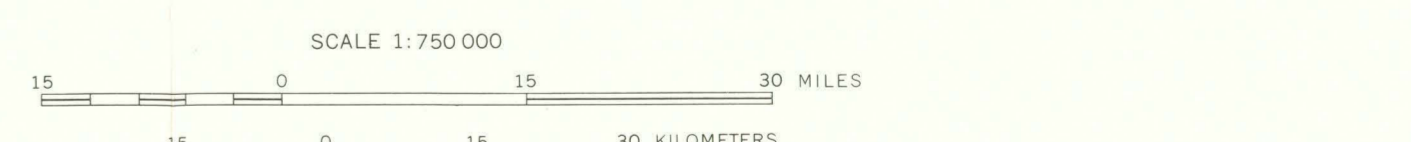


Figure 31.—MAP SHOWING CHROMIUM ANOMALIES. Contour values are modified from raw values and indicate relative chromium proportion of the total chromium association (in percent).



INTERPRETIVE GEOCHEMICAL MAP OF THE IRON RIVER
1° x 2° QUADRANGLE, MICHIGAN AND WISCONSIN
By
H. V. Alminas, J. D. Hoffman, and R. T. Hopkins
1984