

GEOHYDROLOGY AND QUALITY OF GROUND WATER IN UNCONSOLIDATED AQUIFERS NEAR SOUTH BEND, INDIANA

By
 Kathleen K. Fowler and Leslie D. Arihood
 1998

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WATER QUALITY CHARACTERISTICS

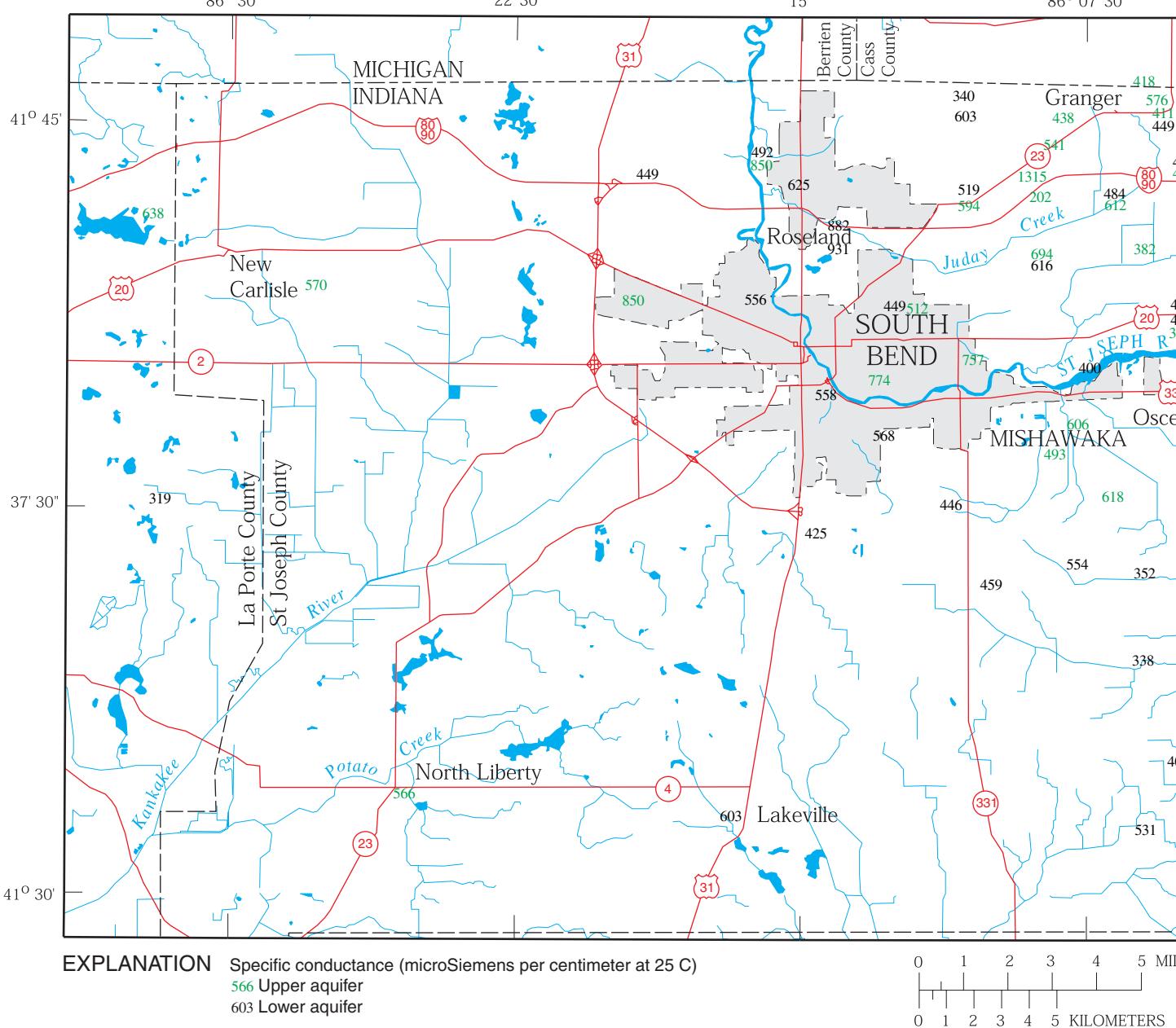


Figure 9. Specific conductance in the upper and lower aquifers.

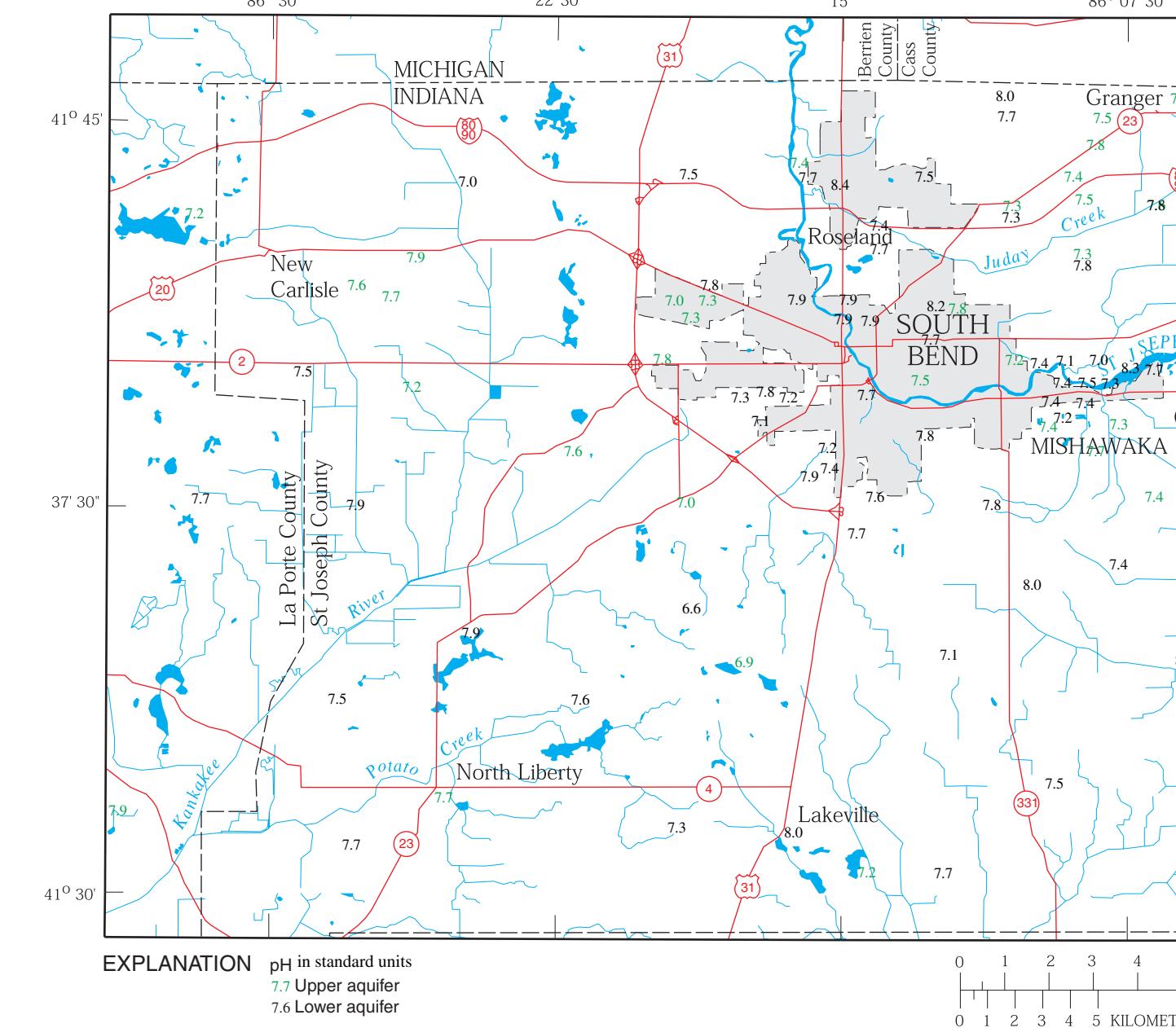


Figure 10. pH in the upper and lower aquifers.

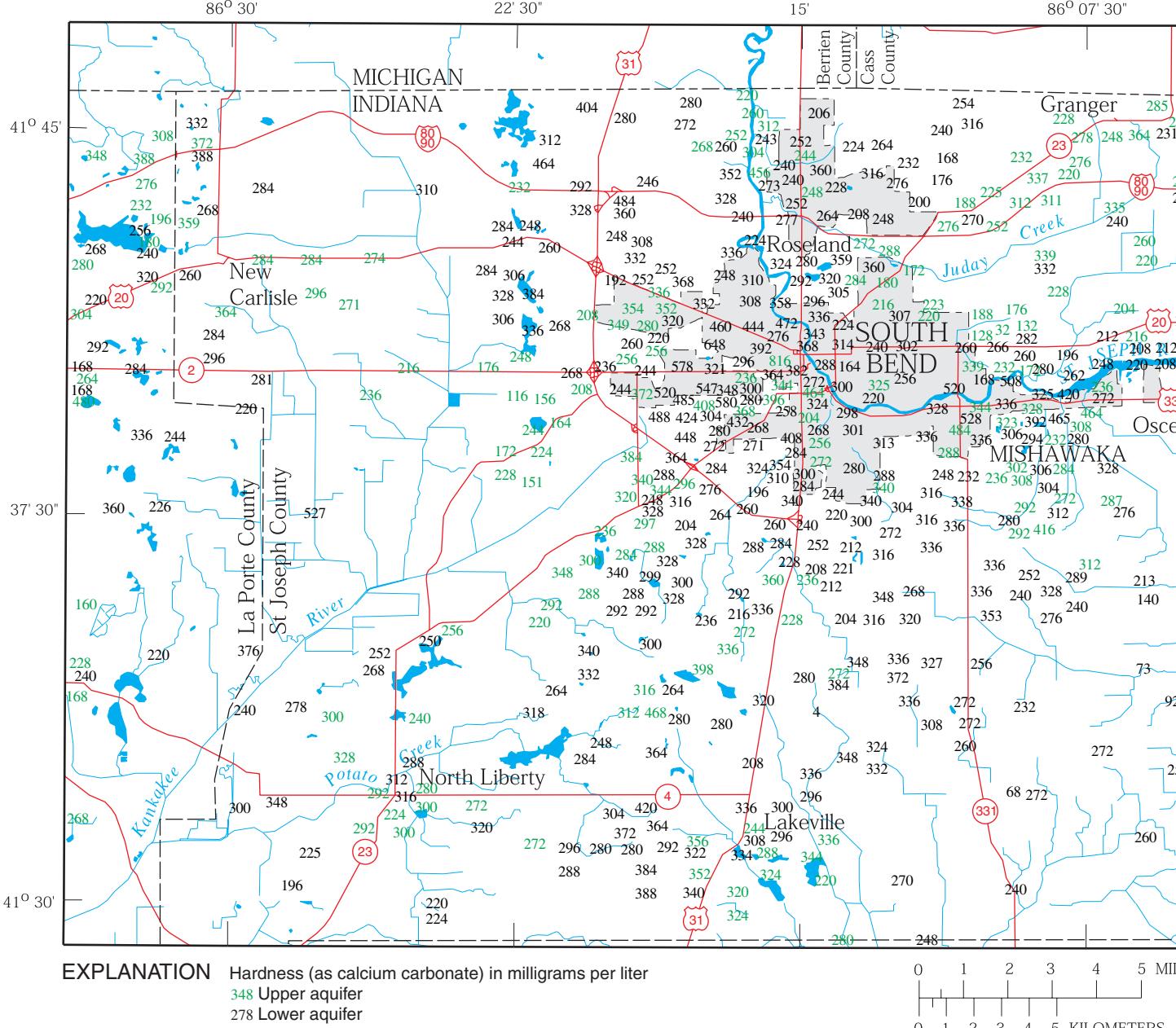


Figure 11. Total dissolved solids in the upper and lower aquifers.

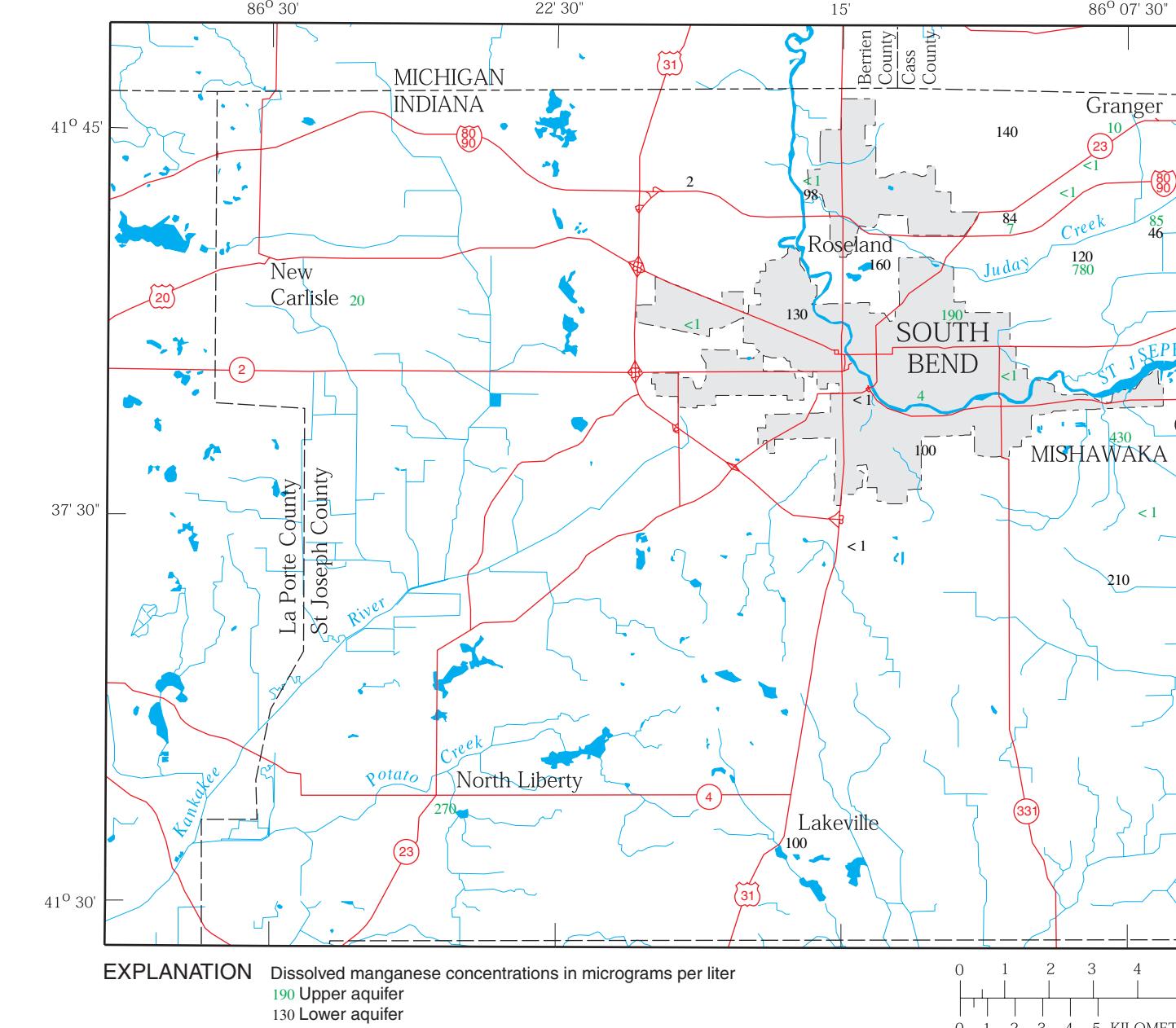


Figure 12. Hardness in the upper and lower aquifers.

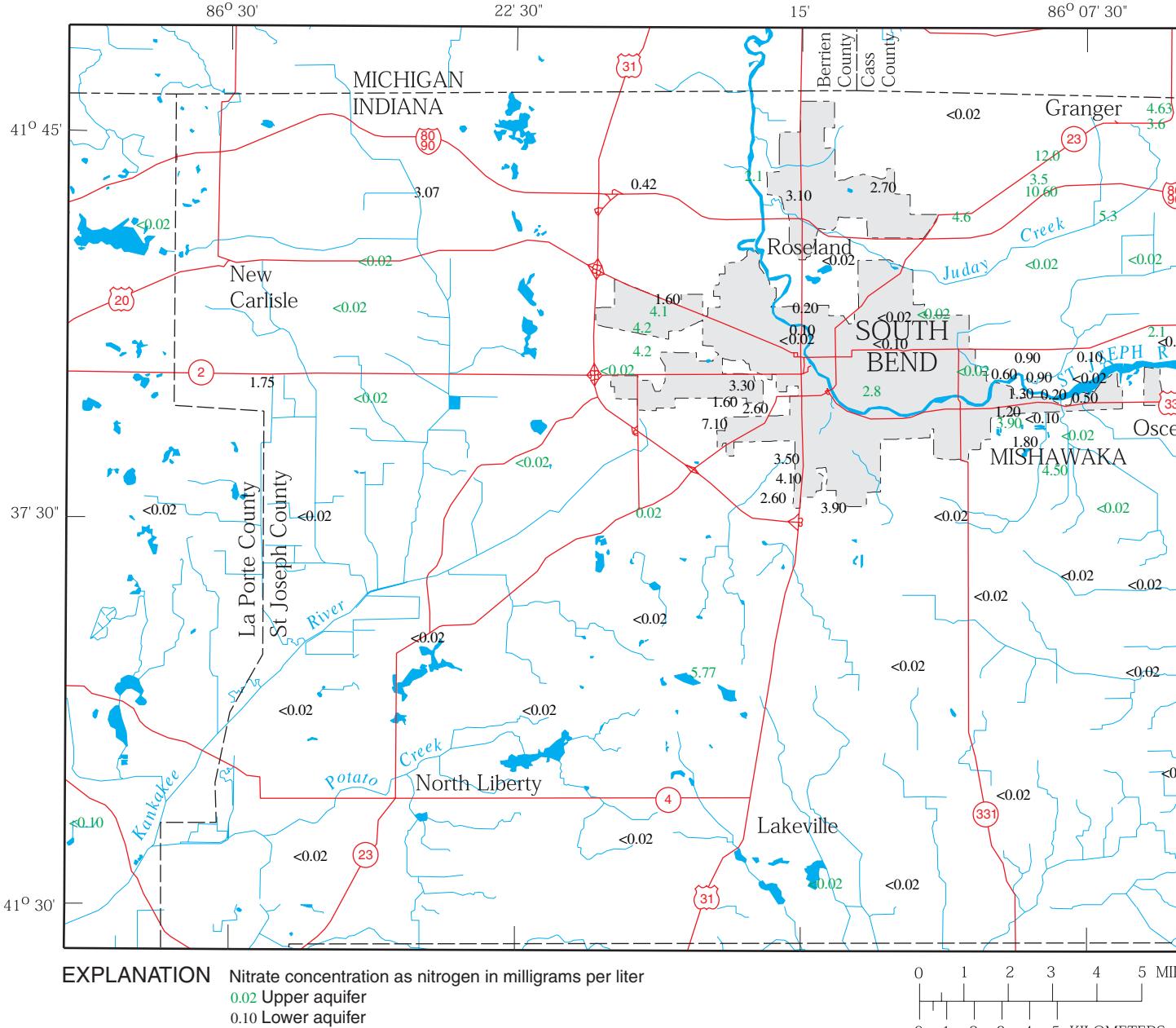


Figure 13. Concentrations of manganese in the upper and lower aquifers.

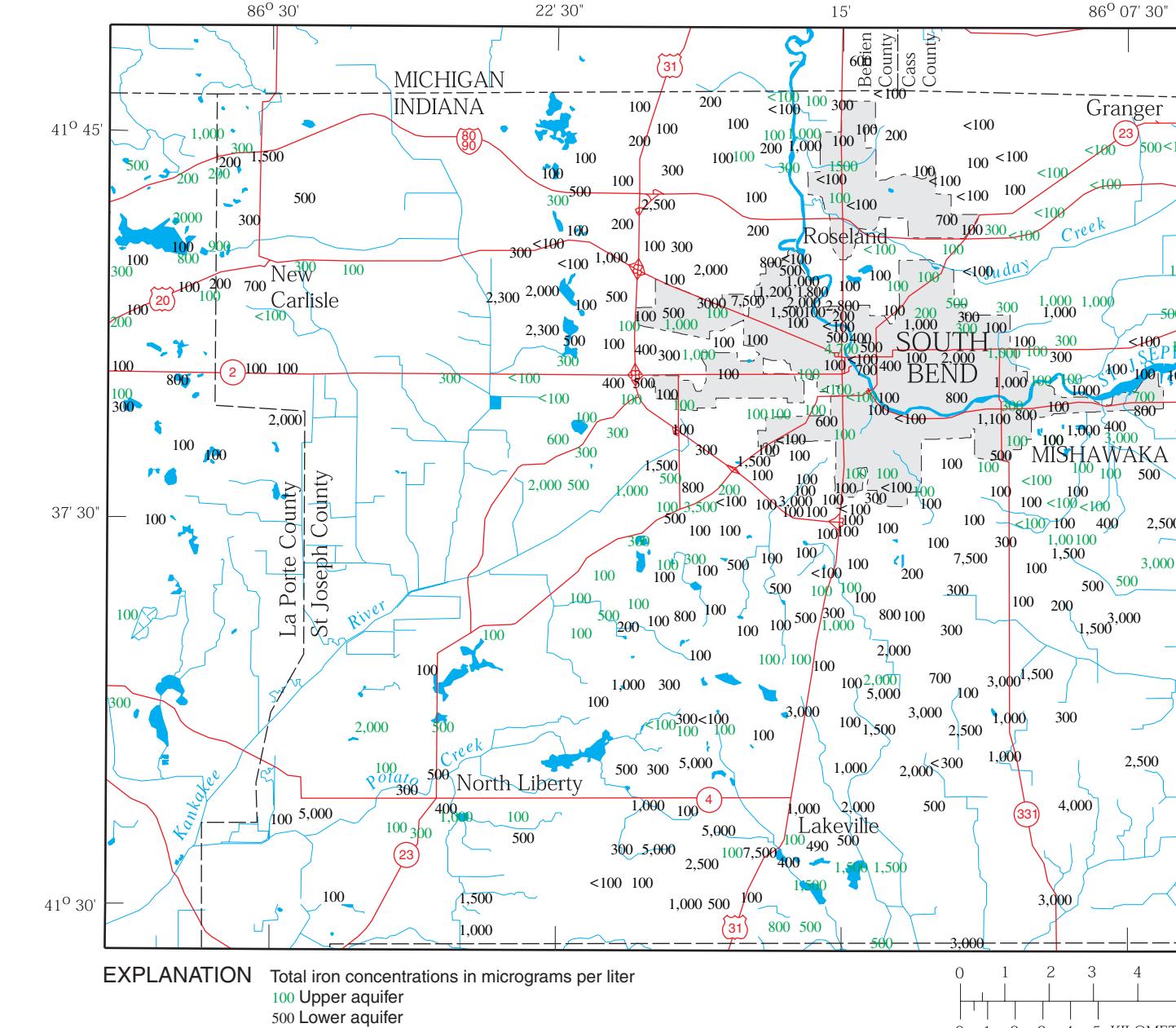


Figure 14. Concentrations of sodium in the upper and lower aquifers.

Base maps from U.S. Geological Survey digital data, 1:100,000 1983
 Aben Equal Area projection
 Standard parallels 39° 29' and 45° 30', central meridian -86°

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS

EXPLANATION
 356 Upper aquifer
 430 Lower aquifer

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 KILOMETERS