APPENDIX A ALABAMA MAP ATLAS

This Appendix contains full page maps for all watershed health and vulnerability metrics, sub-indices, and indices at the statewide tier (i.e., for all NHDPlus catchments in Alabama). The following guidelines were used for map development:

- Maps display rank-normalized metric, sub-index, or index scores;
- Maps were created using 10 equal-interval color classes. Because scores are rank-normalized, these classes generally correspond to deciles;
- To ease interpretation, maps display metrics in their original directionality (see Table 4) rather than directionally aligned scores used for sub-index and index calculations. For example, areas labeled as having "high" dam storage ratio scores in Figure A-4 correspond to areas with a high dam storage ratio. The inverse of these scores (1-x) were used to calculate the Watershed Health Index so that a high dam storage ratio contributed to a lower Watershed Health Index score.

A1 Watershed Health

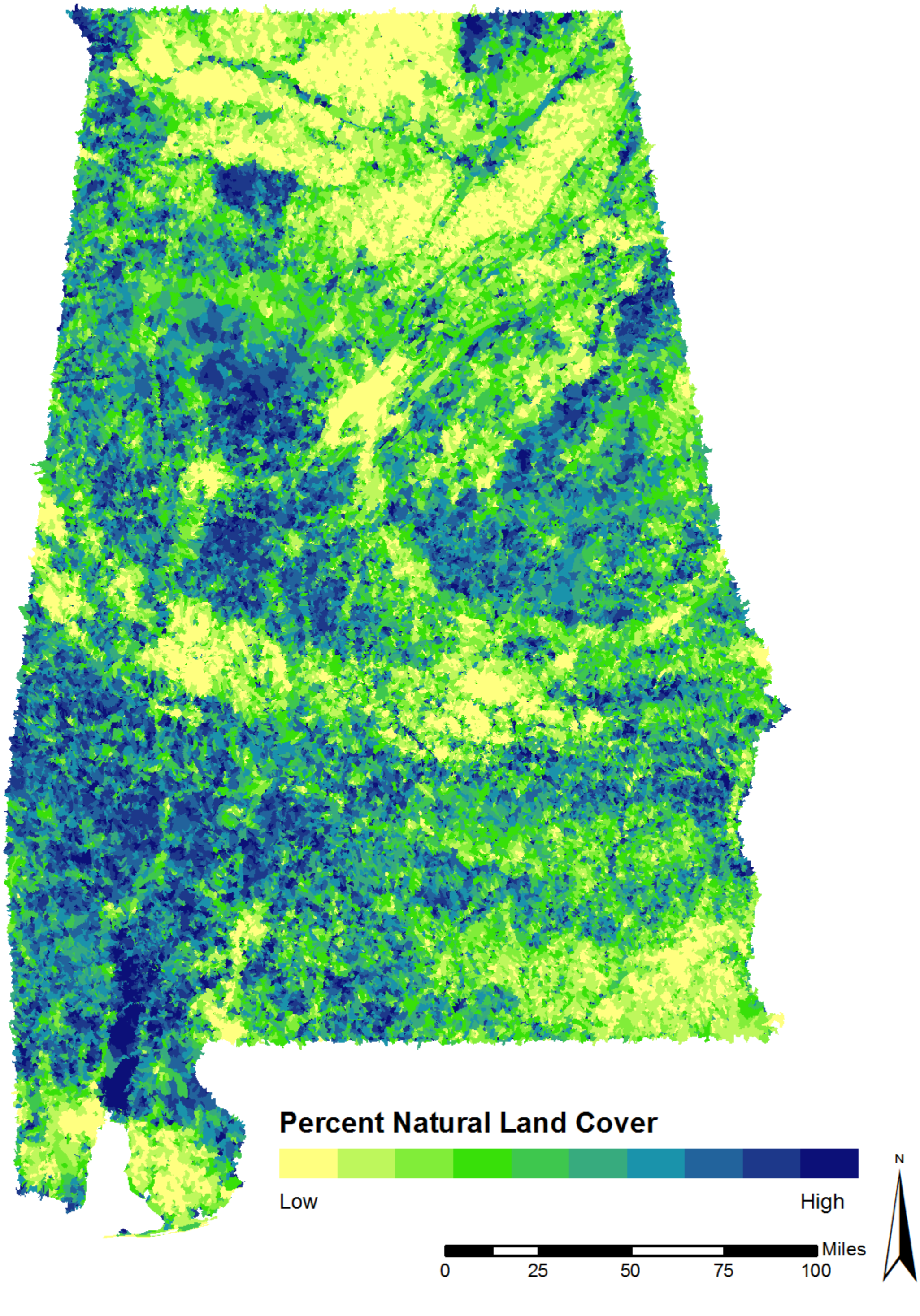

FIGURE A-1. PERCENT NATURAL LAND COVER SCORES.

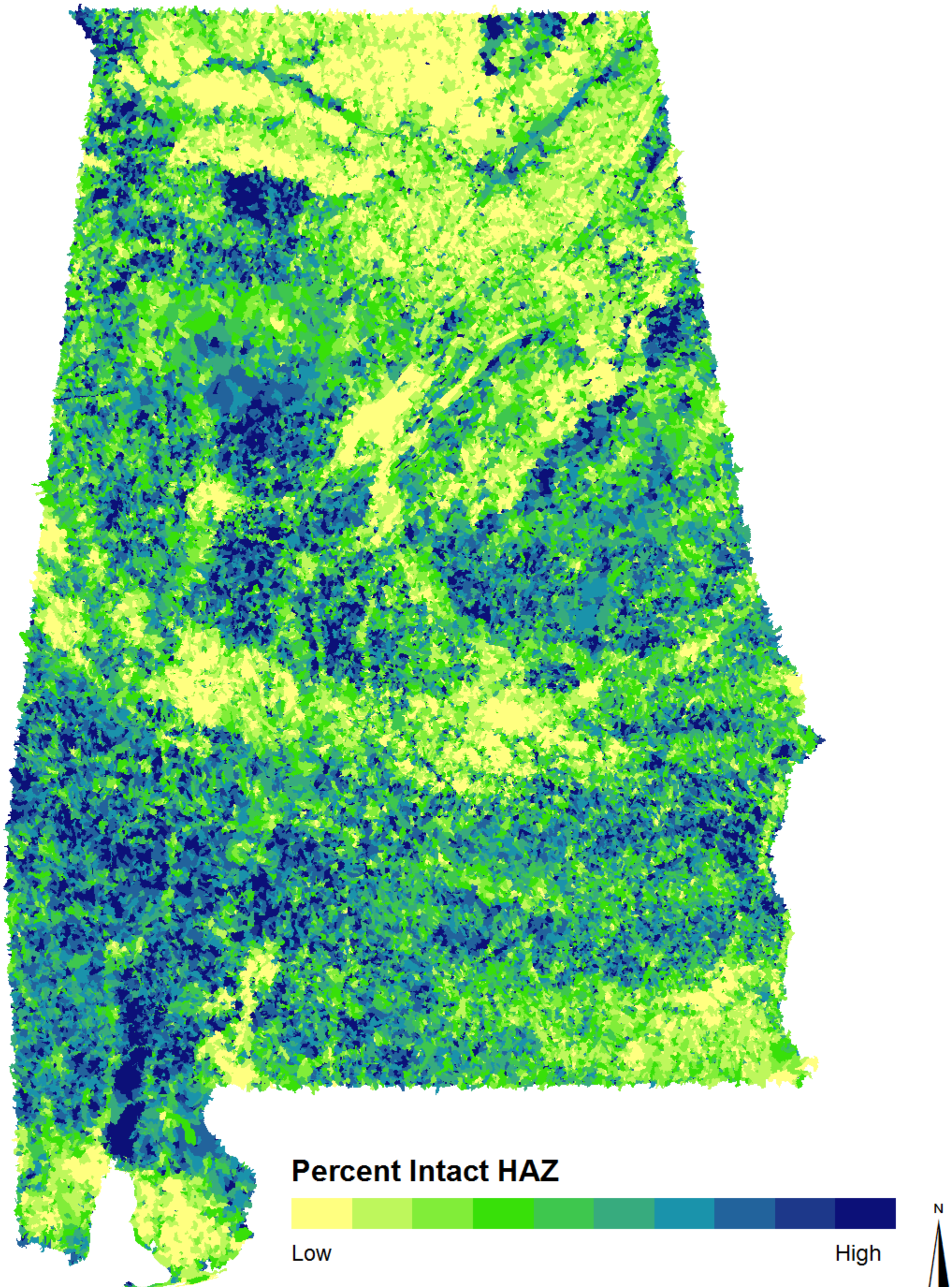

Figure A-2. Percent Intact Hydrologically Active Zone (HAZ) scores.

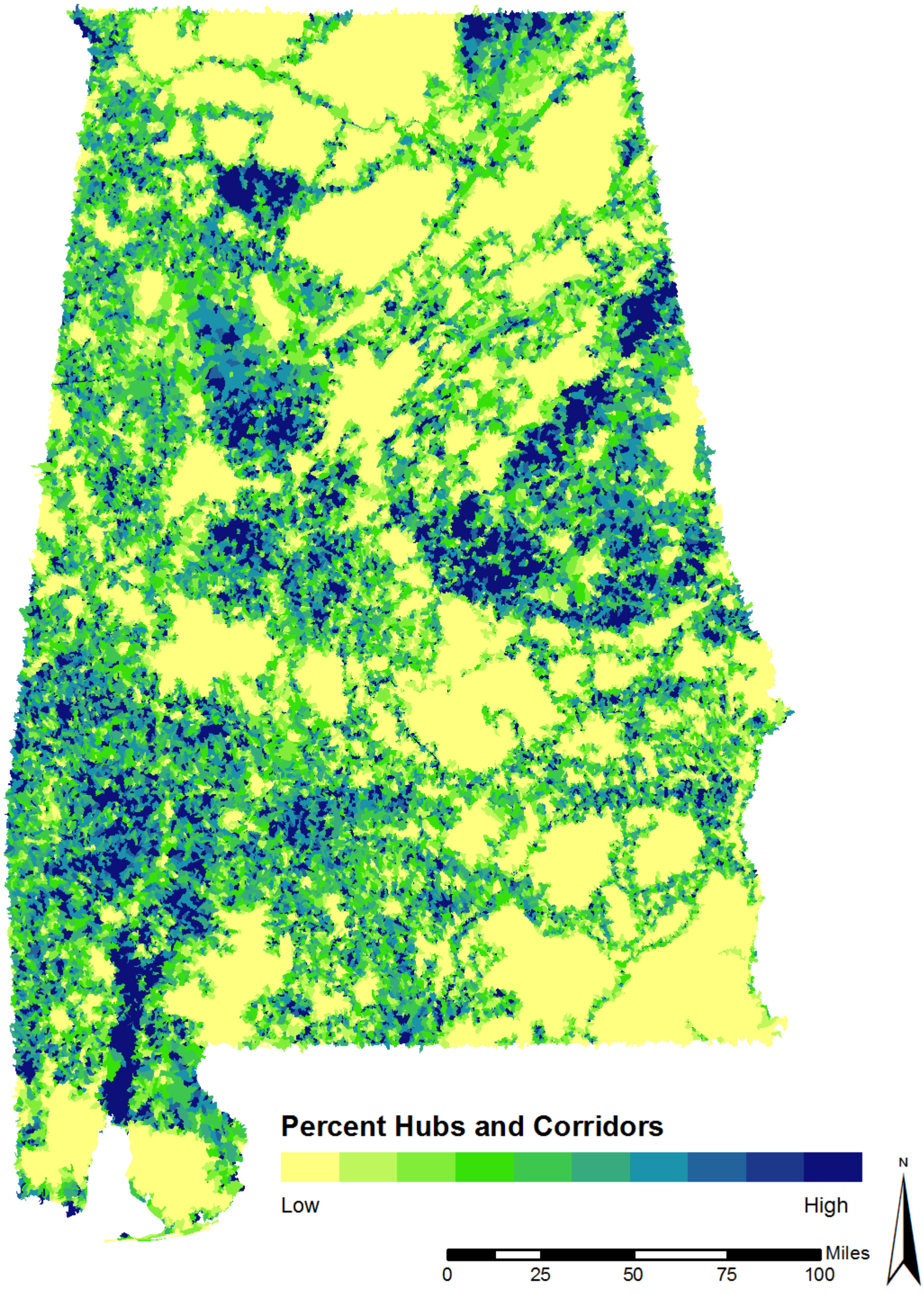

FIGURE A-3. PERCENT HUBS AND CORRIDORS SCORES.

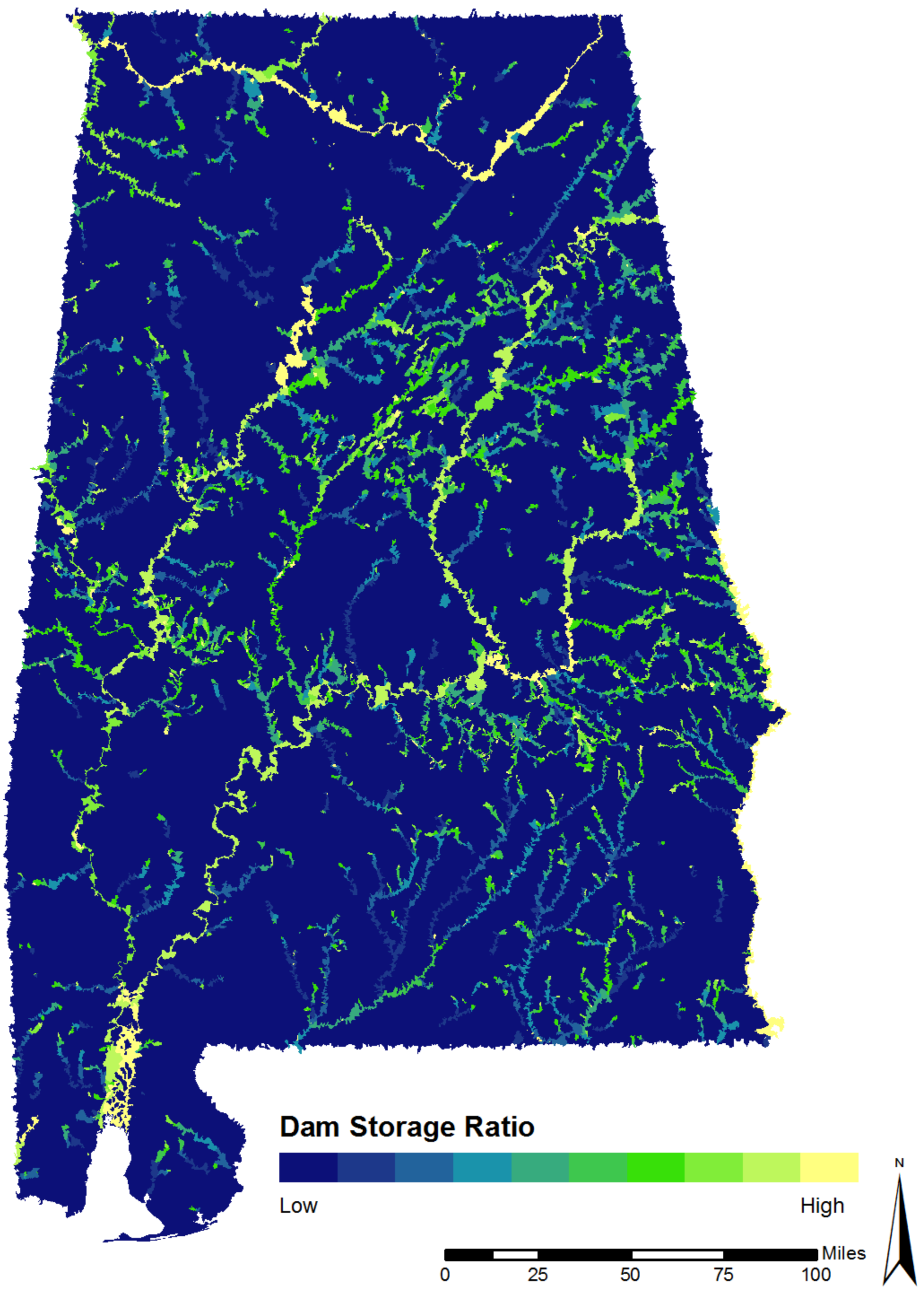

Figure A-4. Dam Storage Ratio scores.

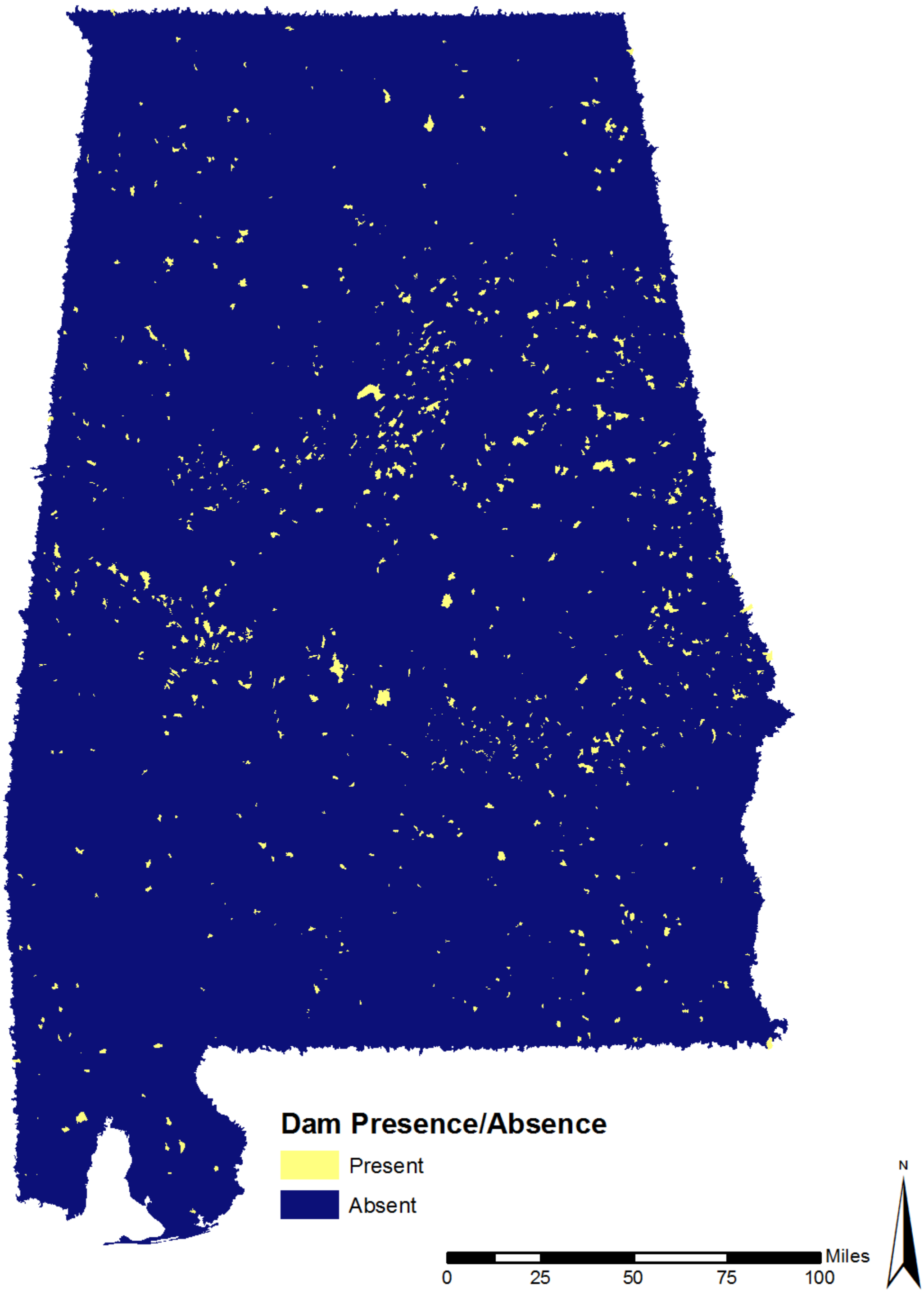

FIGURE A-5. DAM PRESENCE/ABSENCE.

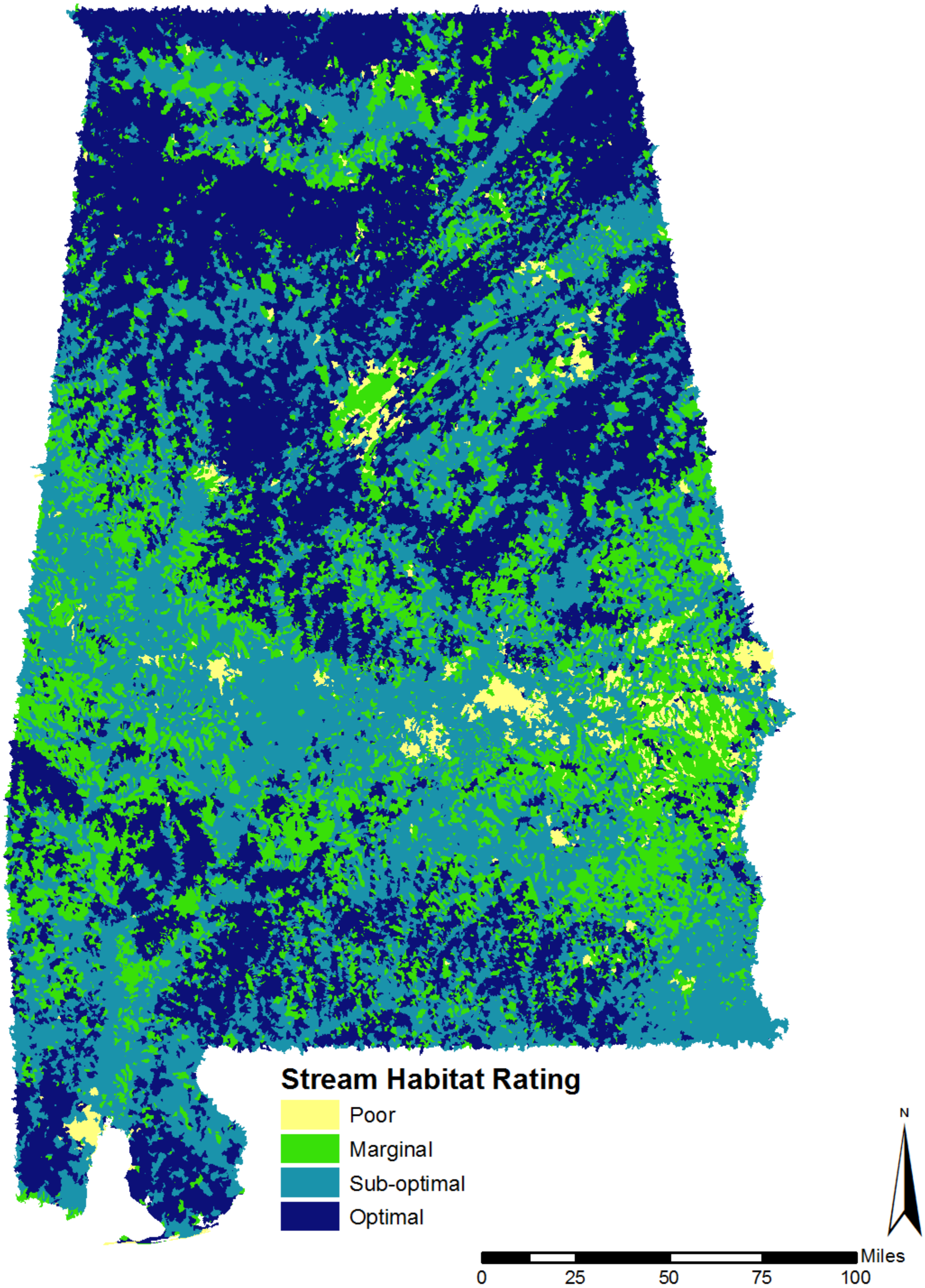

FIGURE A-6. STREAM HABITAT CONDITION RATINGS.

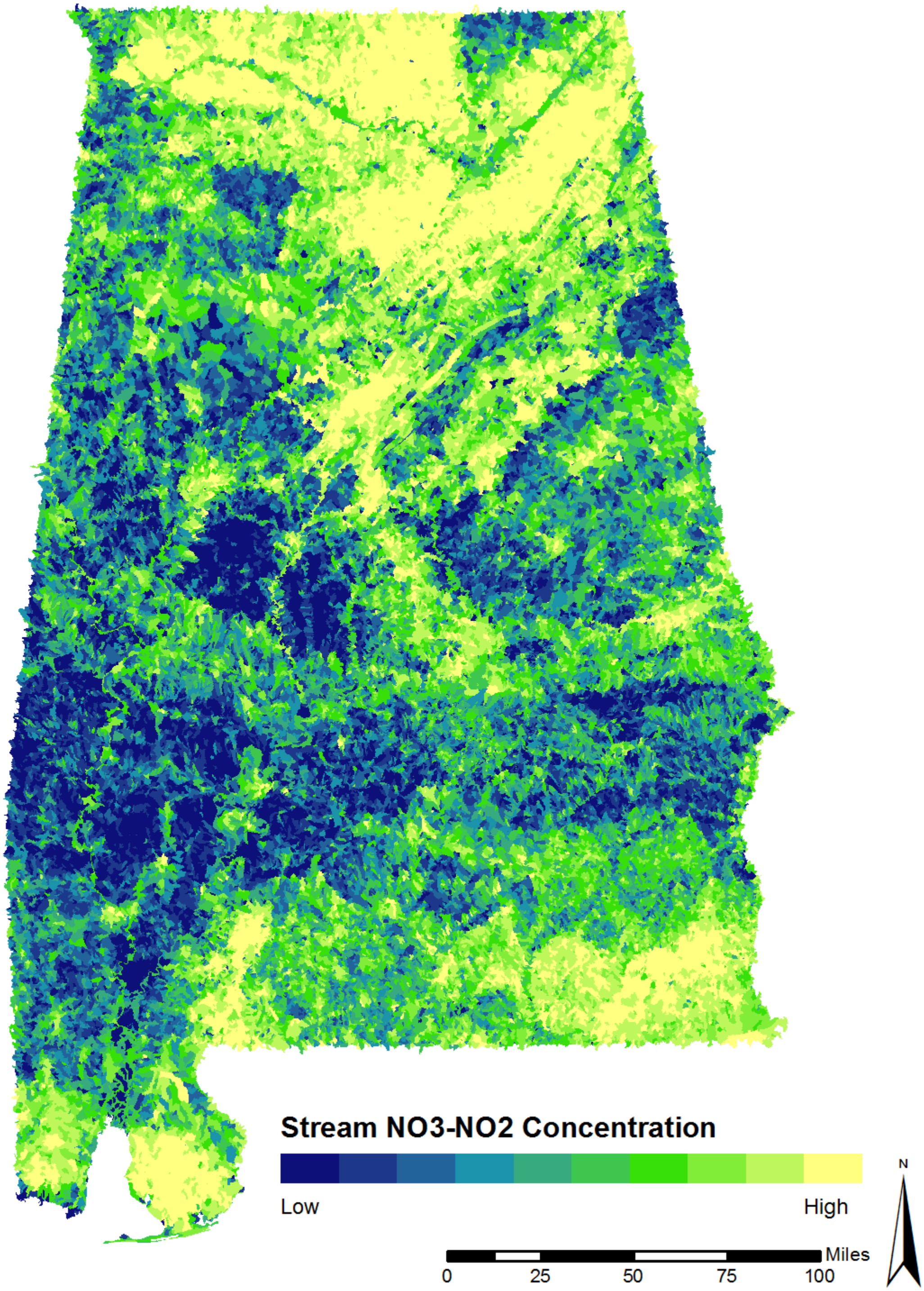

FIGURE A-7. STREAM NITRATE-NITRITE (NO3-NO2) SCORES.

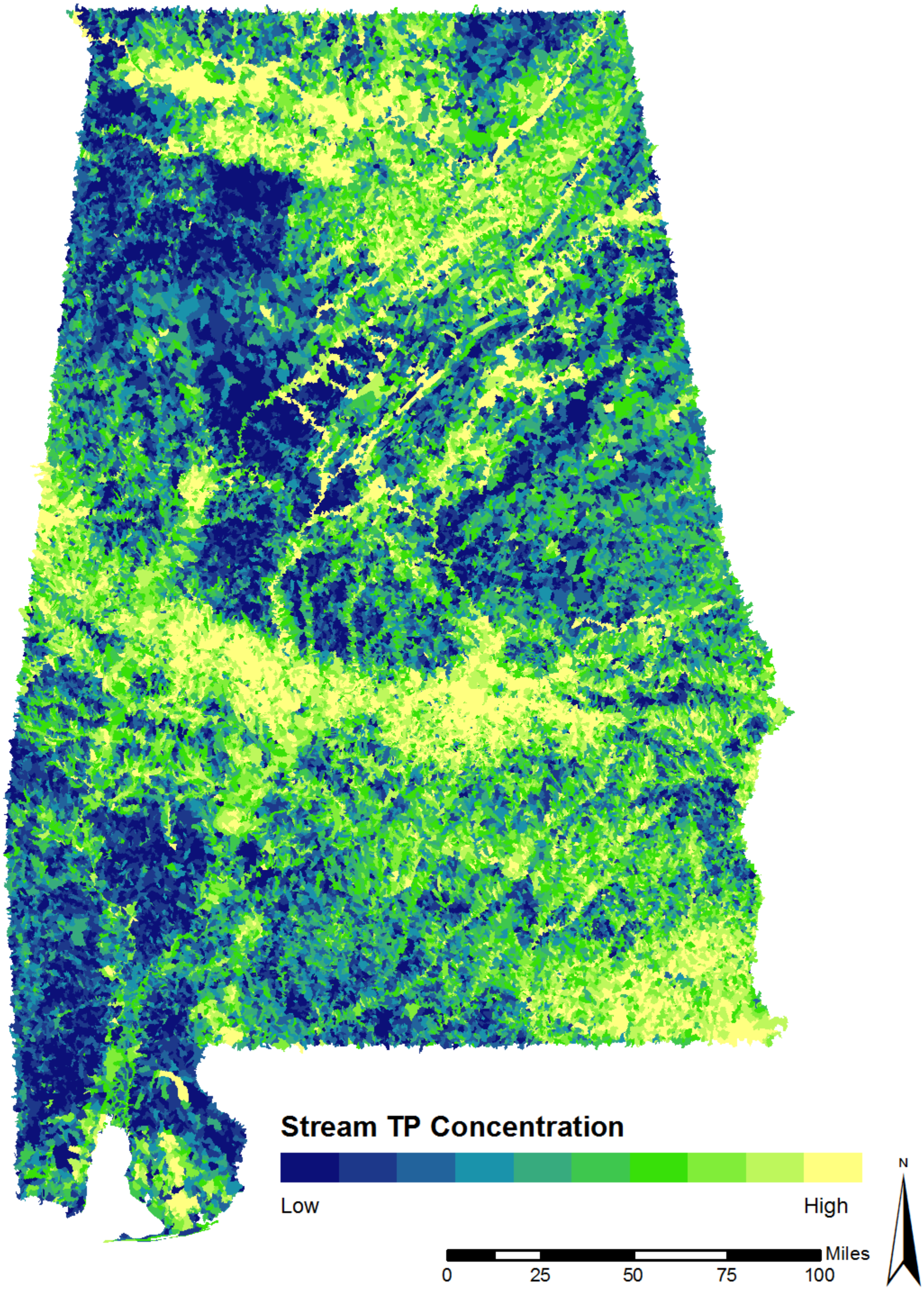

FIGURE A-8. STREAM TOTAL PHOSPHORUS (TP) SCORES.

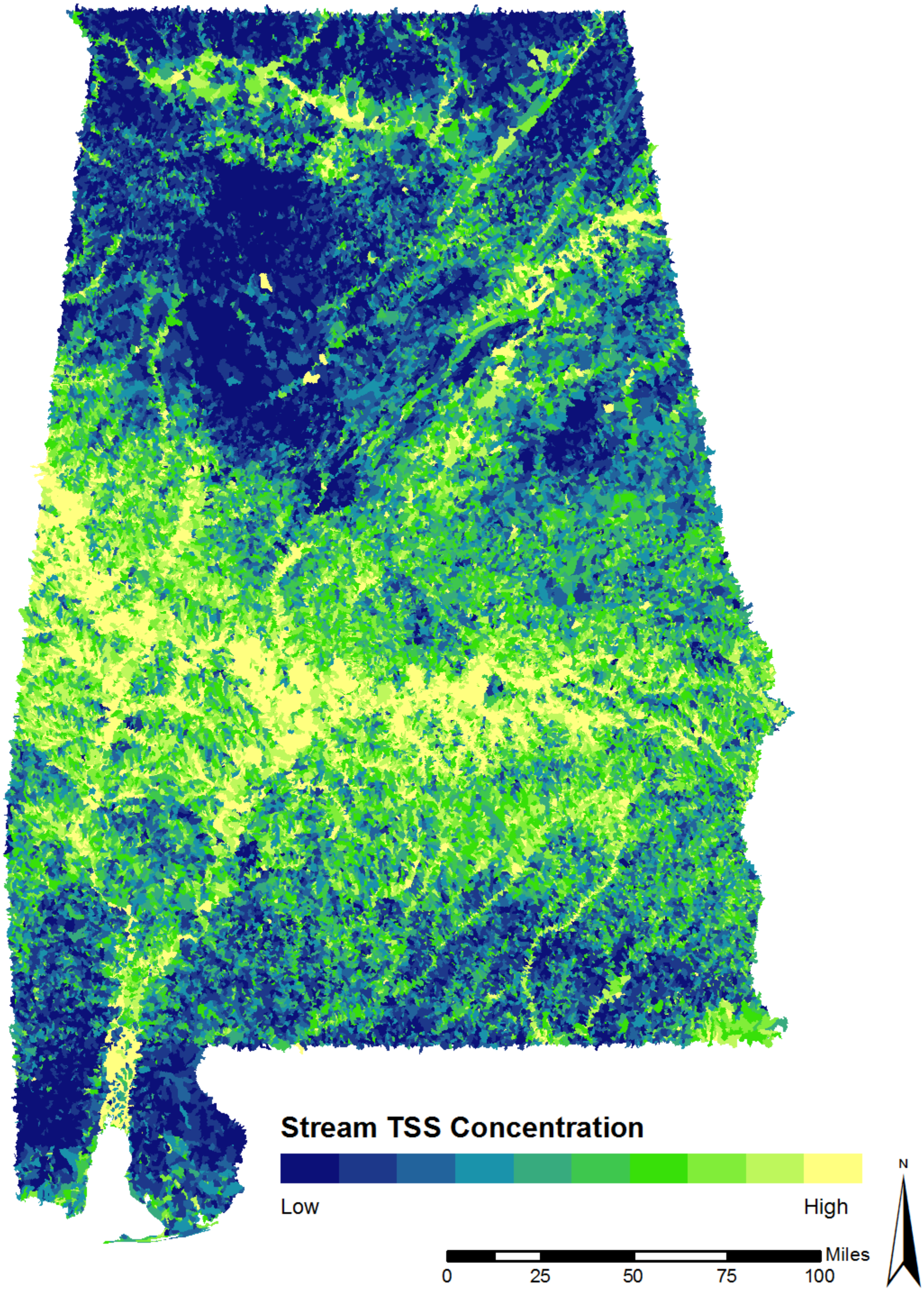

FIGURE A-9. STREAM TOTAL SUSPENDED SOLIDS (TSS) SCORES.

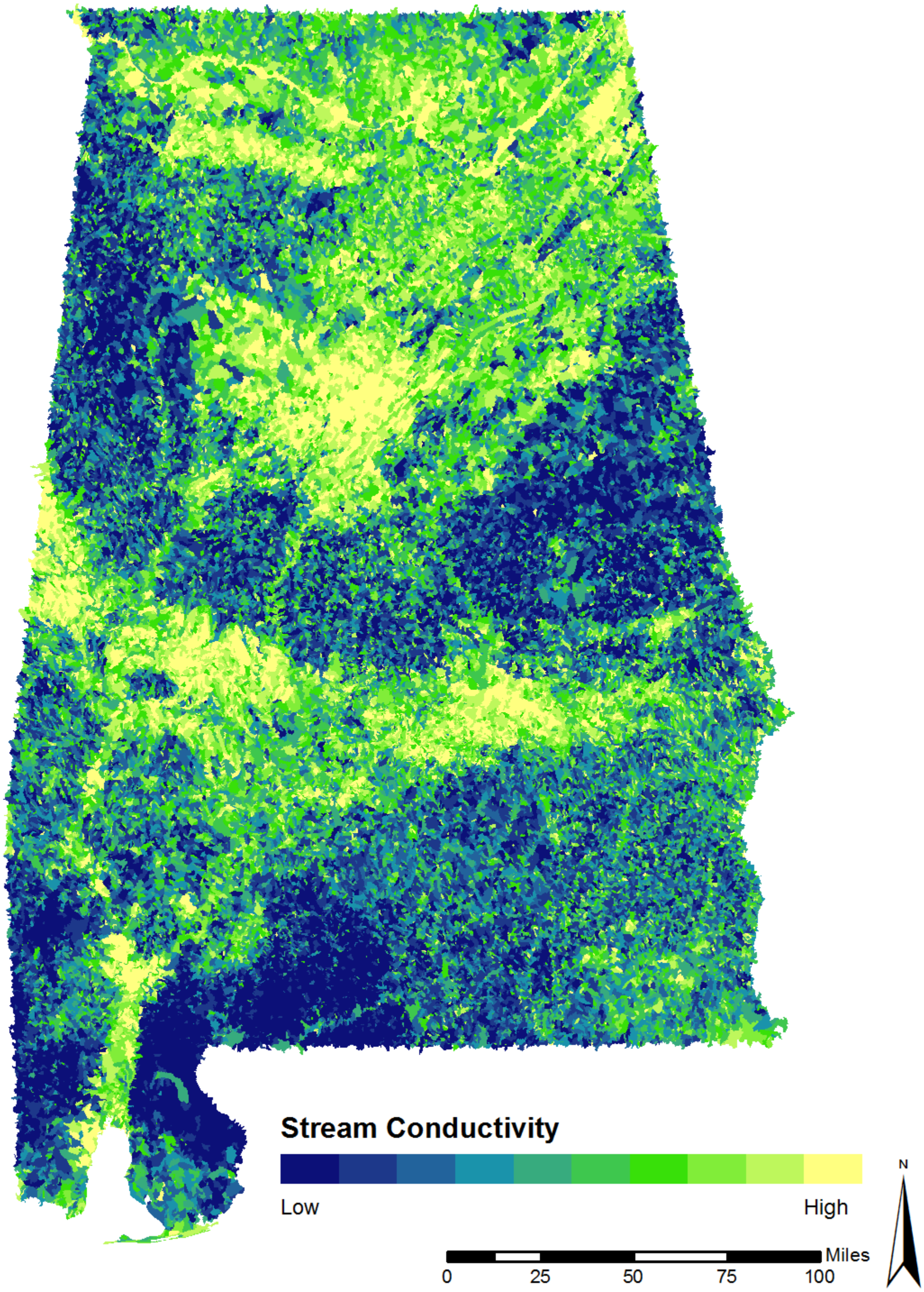

FIGURE A-10. STREAM CONDUCTIVITY SCORES.

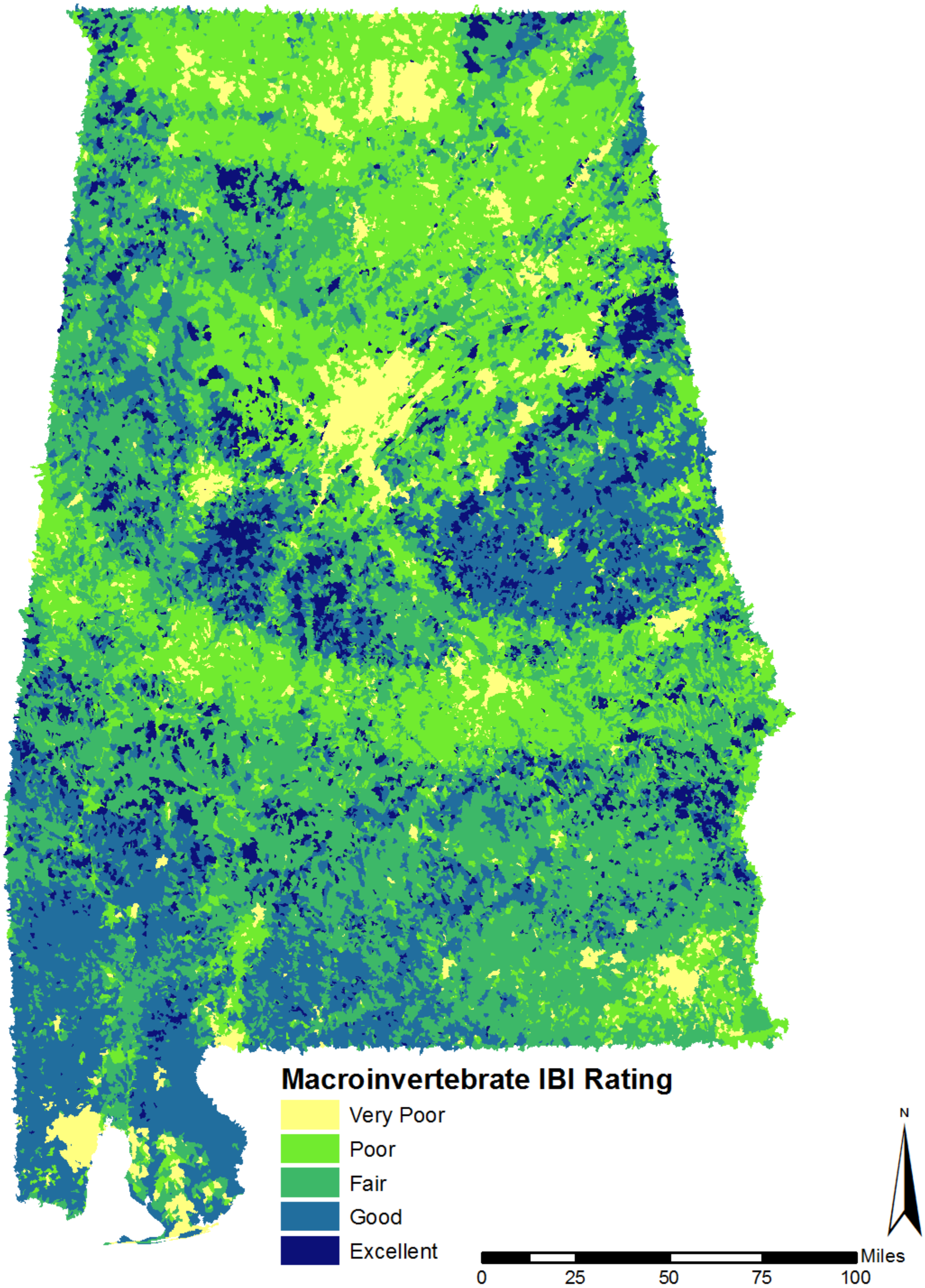

FIGURE A-11. MACROINVERTEBRATE IBI RATINGS.

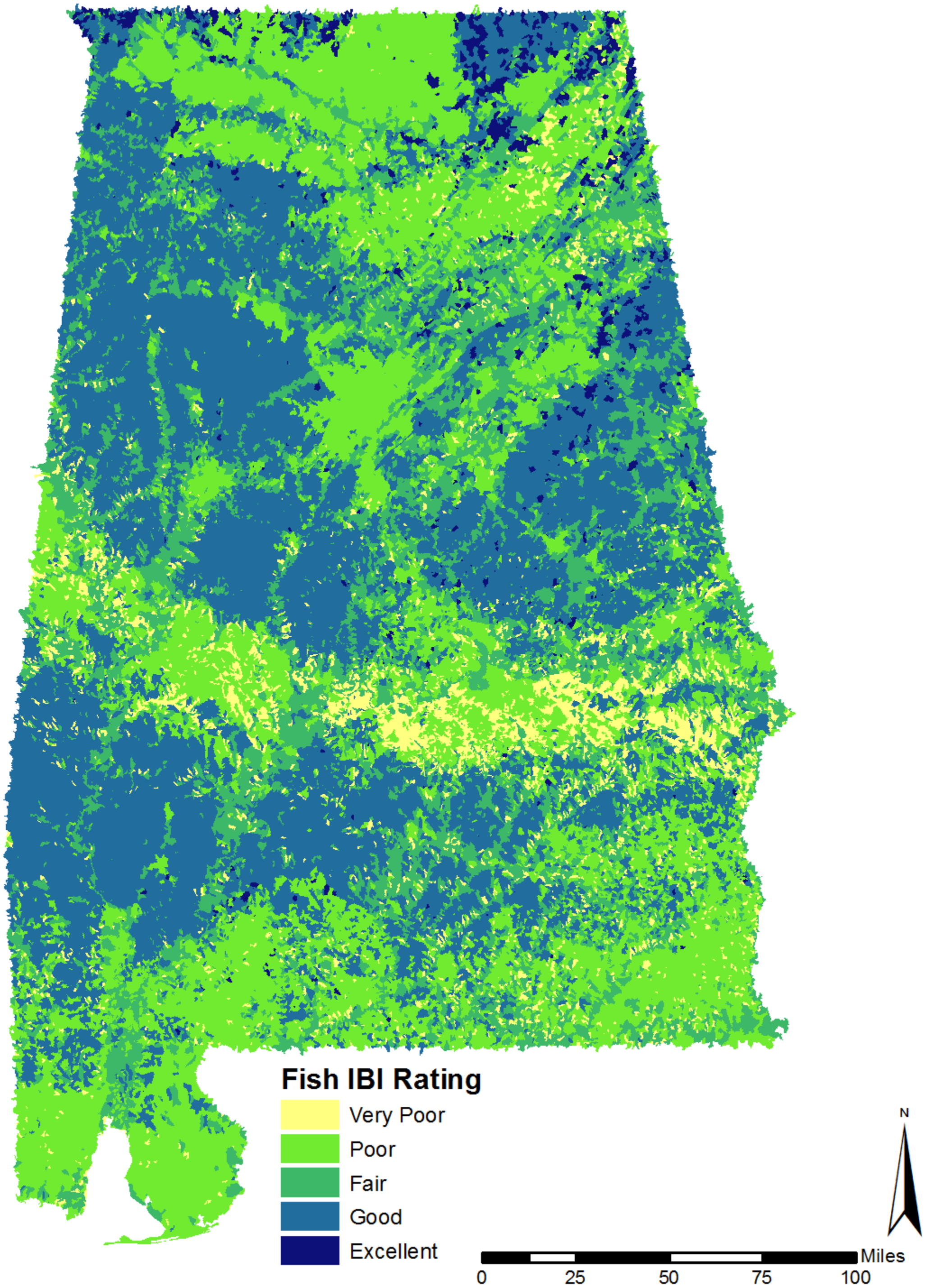

FIGURE A-12. FISH IBI RATINGS.

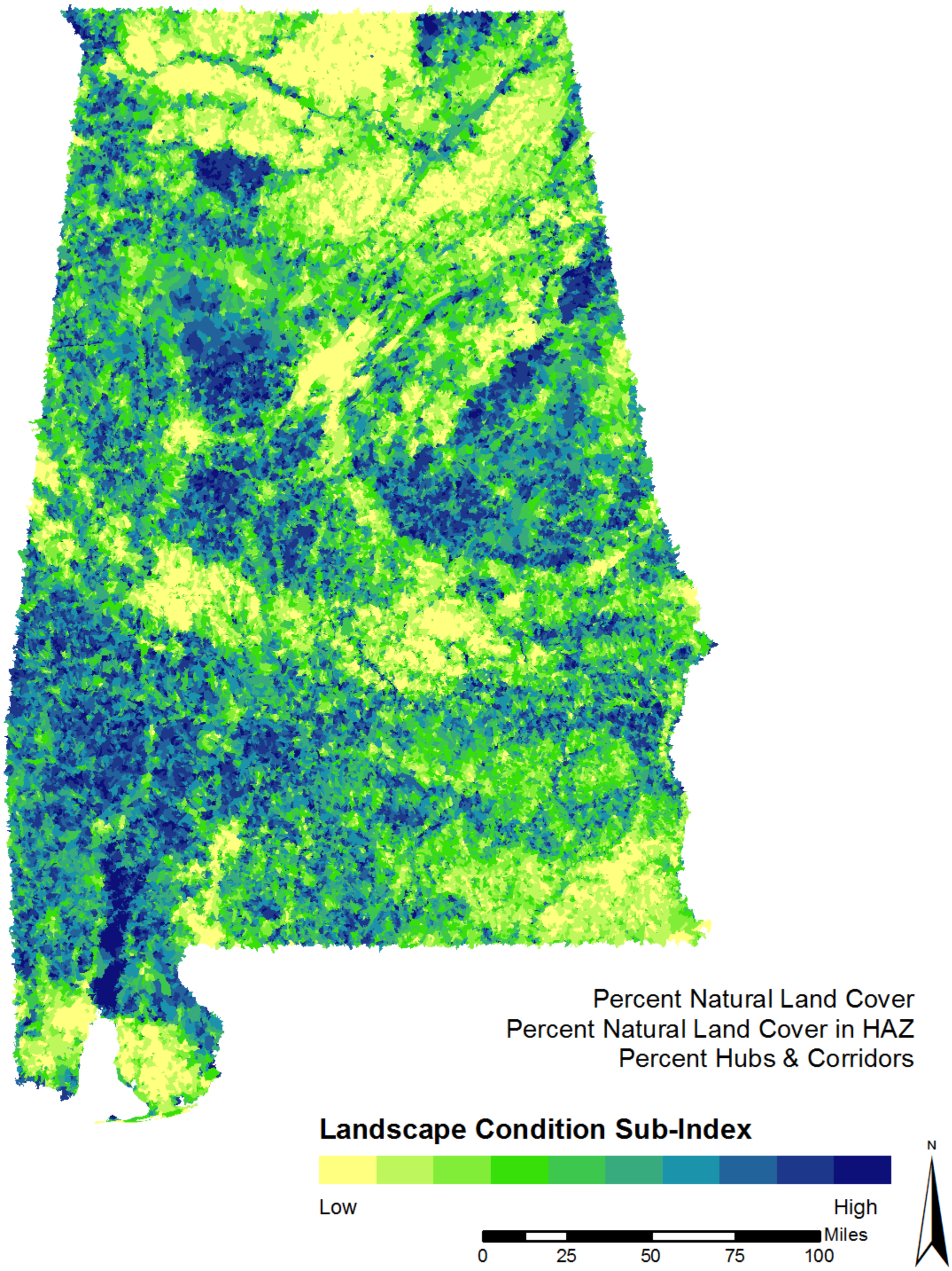

FIGURE A-13. LANDSCAPE CONDITION SUB-INDEX SCORES.

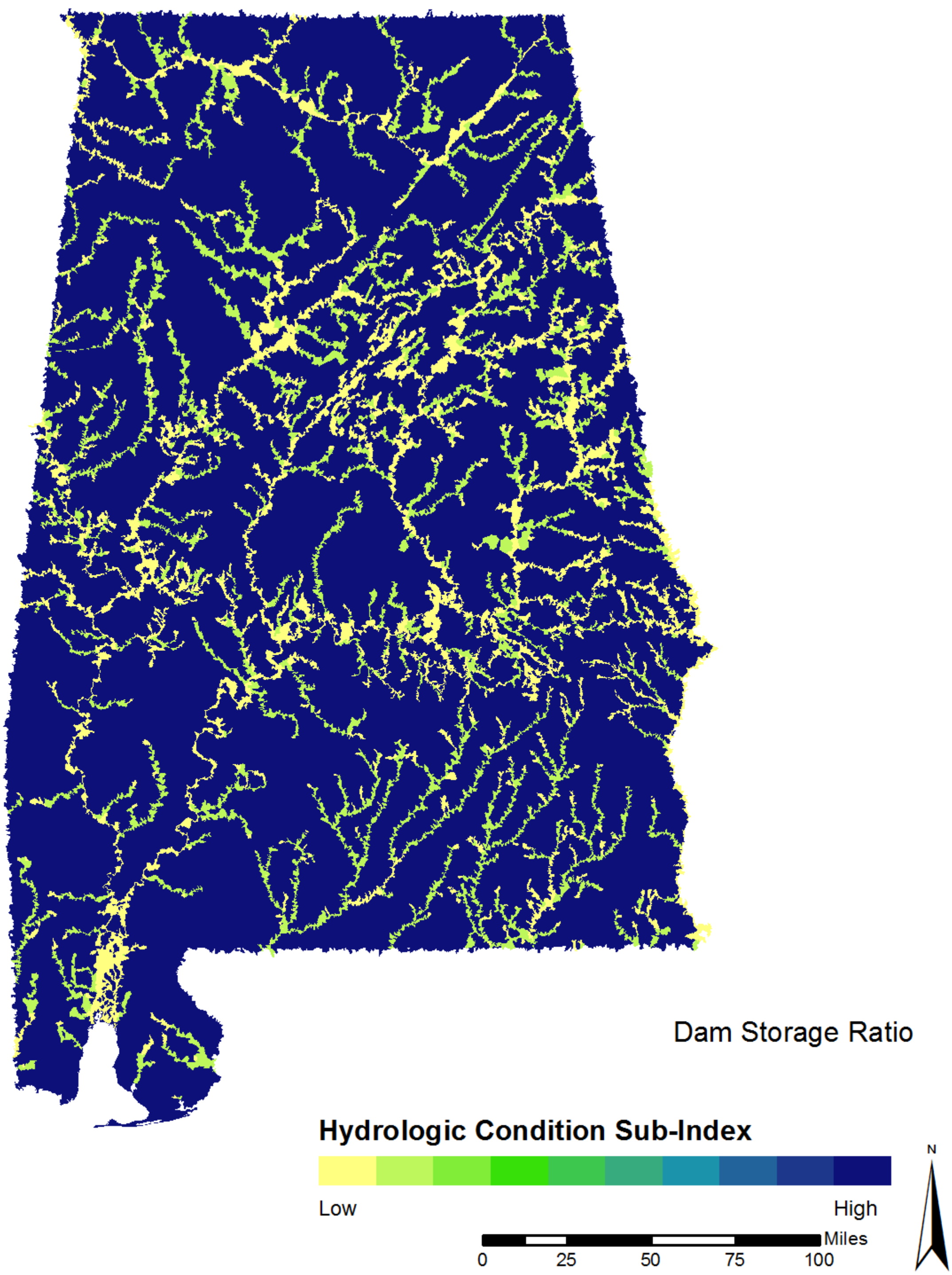

Figure A-14. Hydrologic Condition Sub-Index Scores.

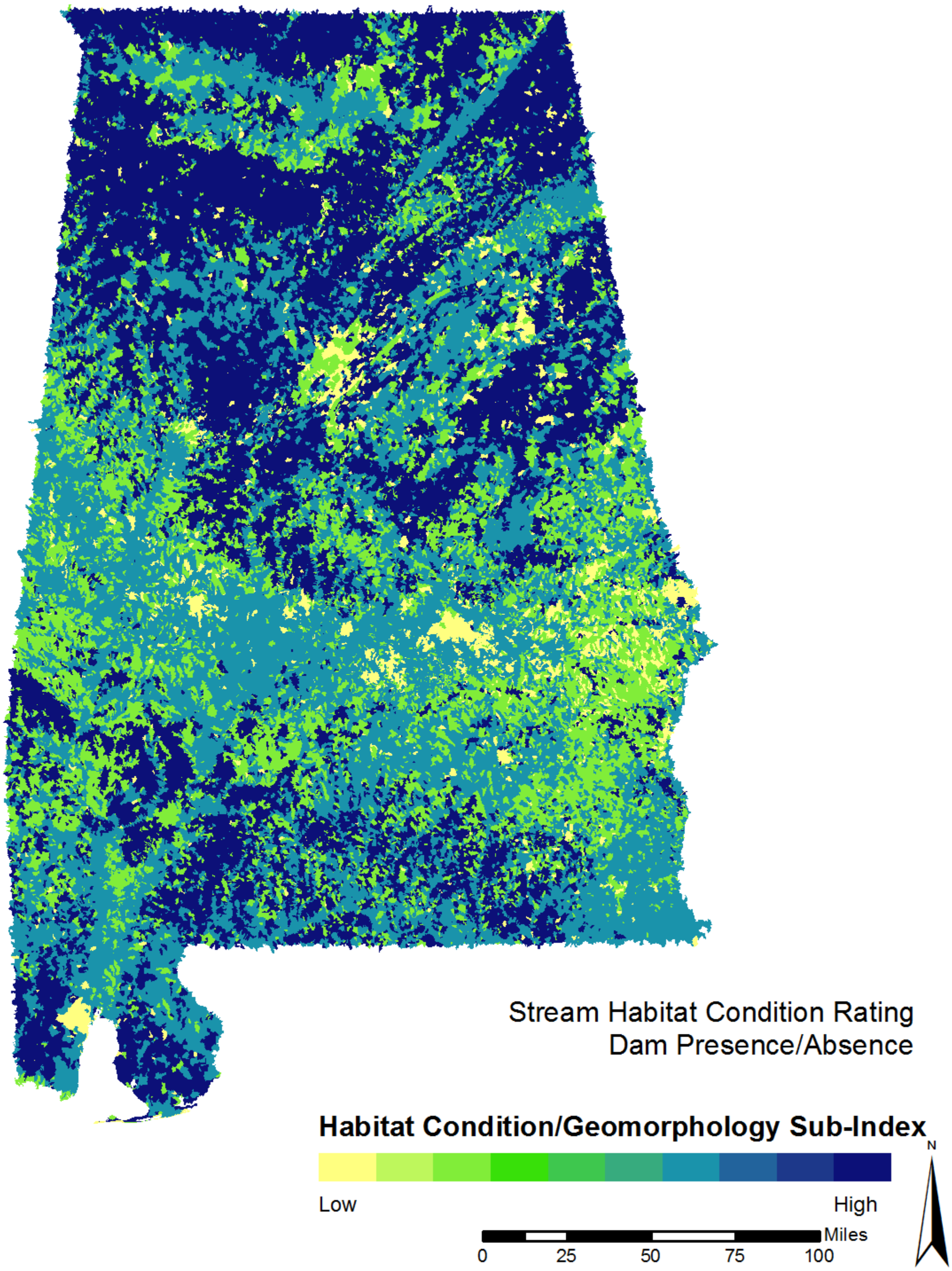

FIGURE A-15. HABITAT CONDITION/GEOMORPHOLOGY SUB-INDEX SCORES.

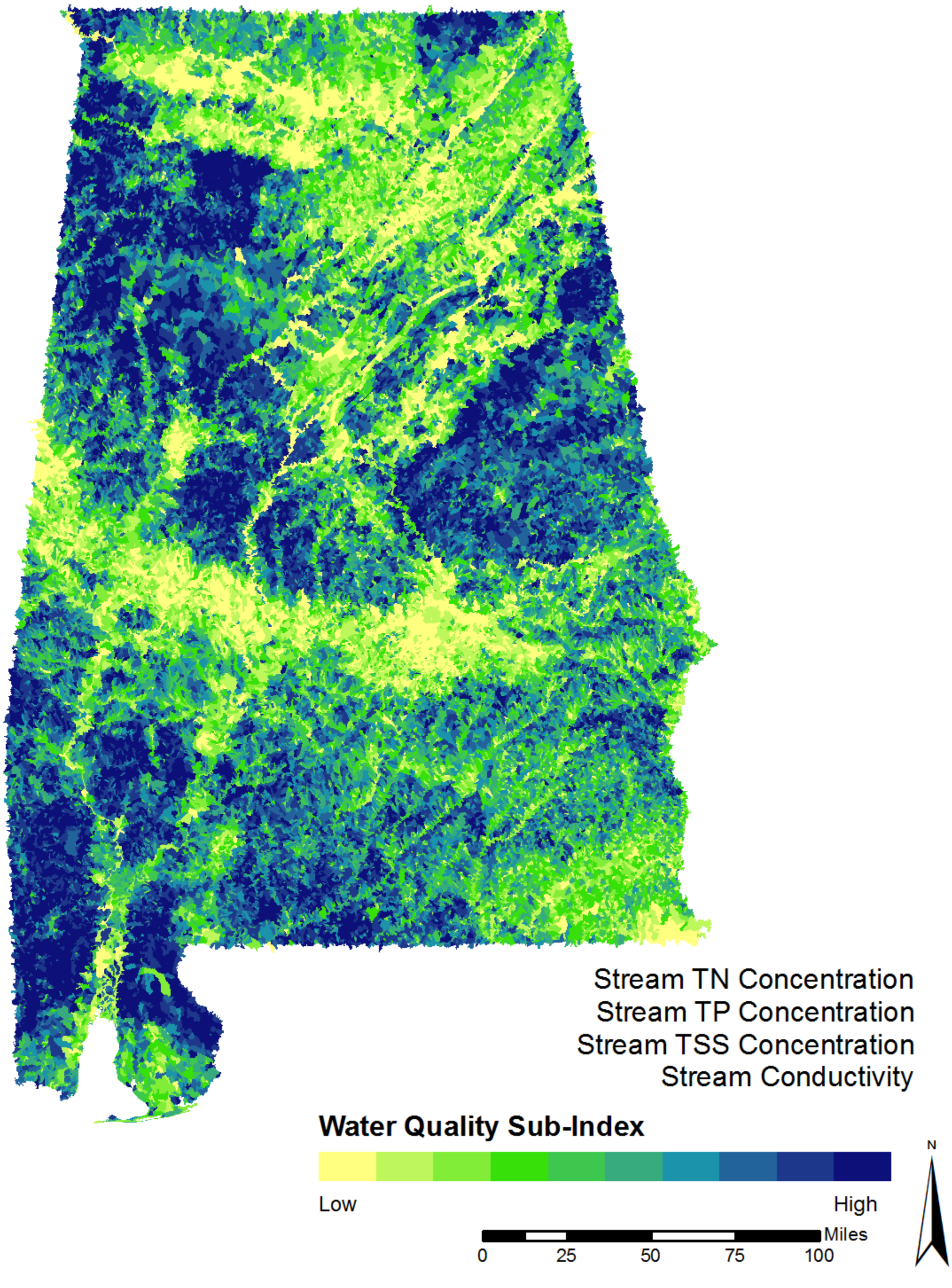

FIGURE A-16. WATER QUALITY SUB-INDEX SCORES.

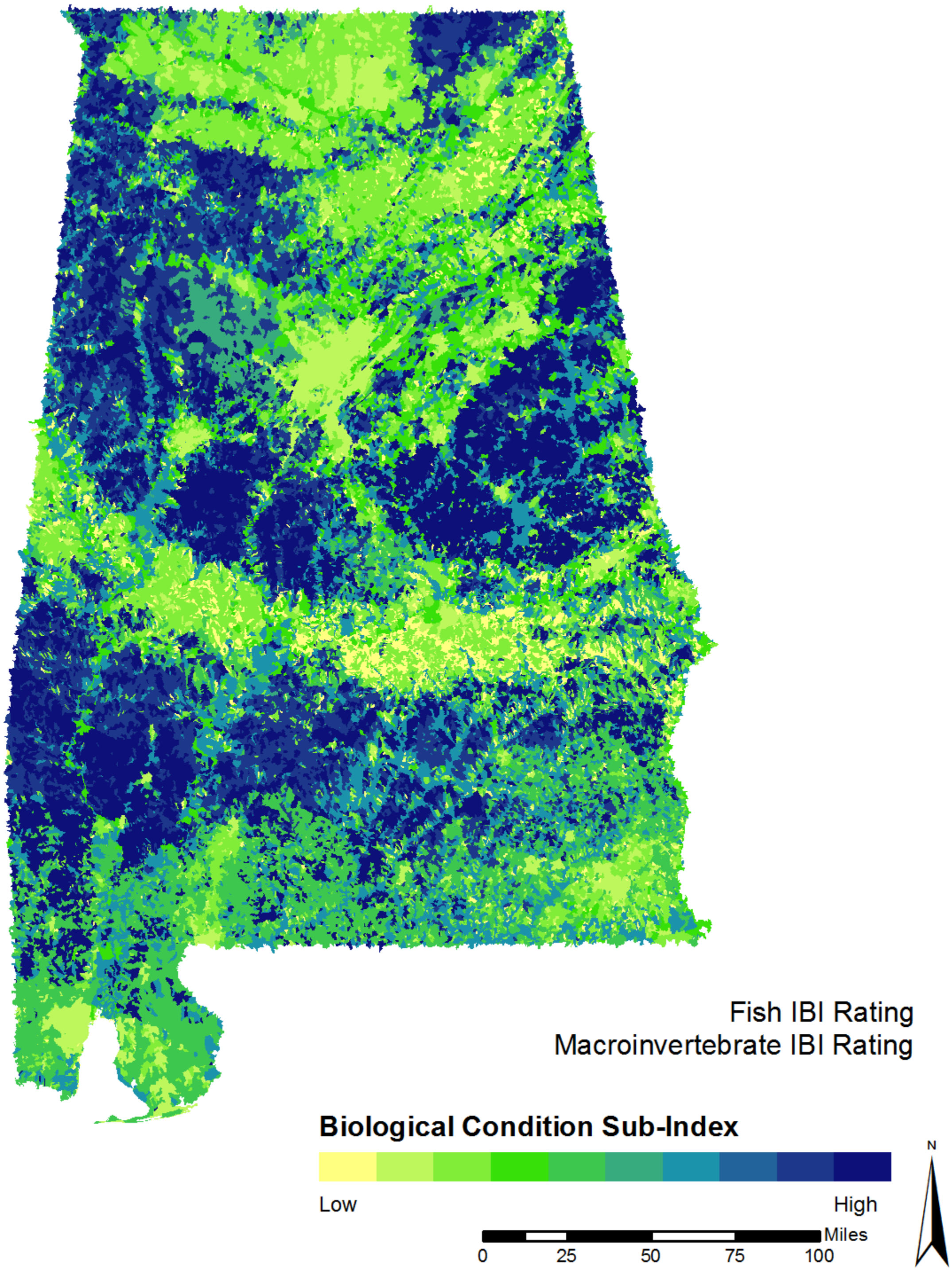

FIGURE A-17. BIOLOGICAL CONDITION SUB-INDEX SCORES.

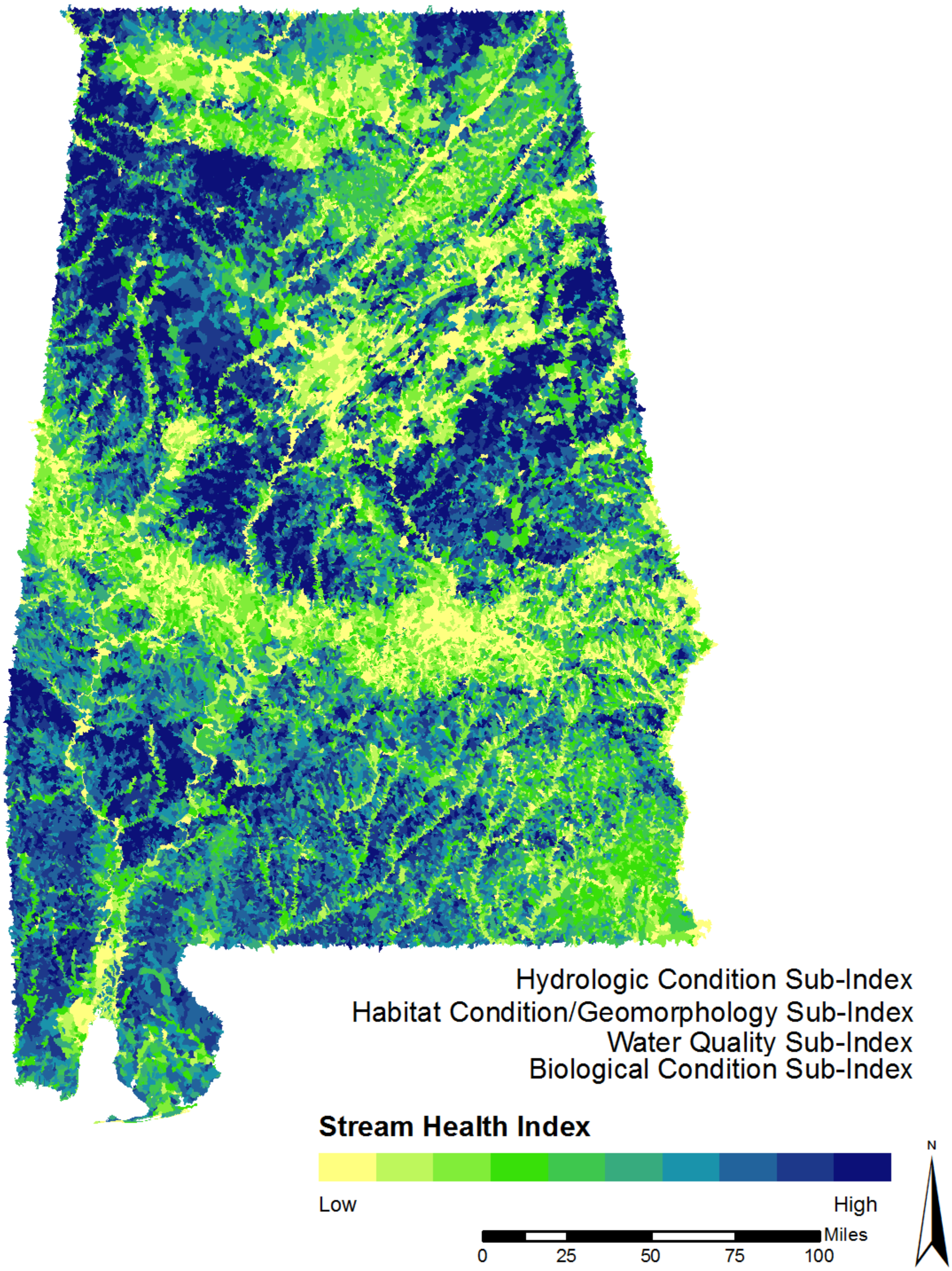

Figure A-18. Stream Health Index scores.

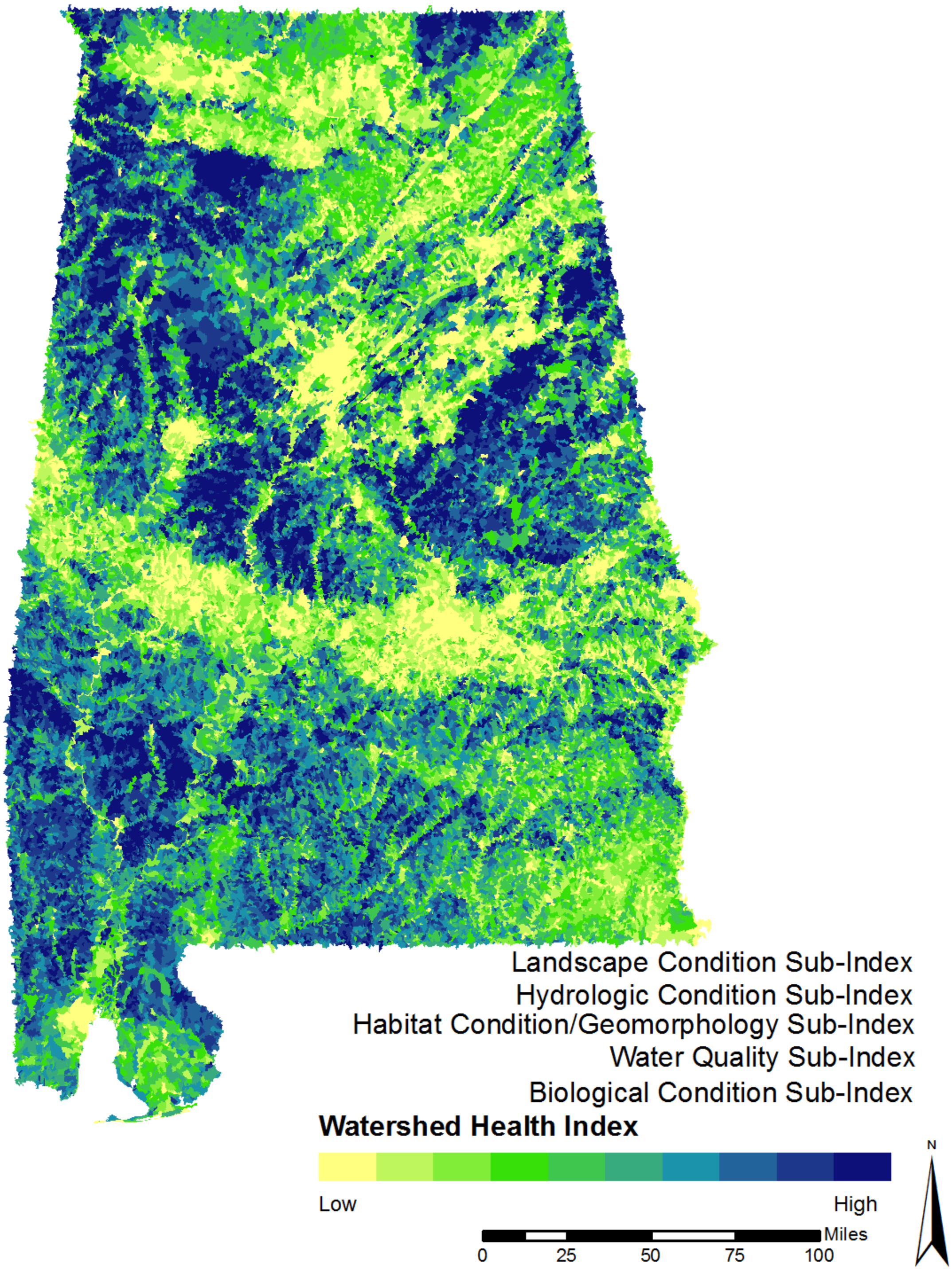

FIGURE A-19. WATERSHED HEALTH INDEX SCORES.

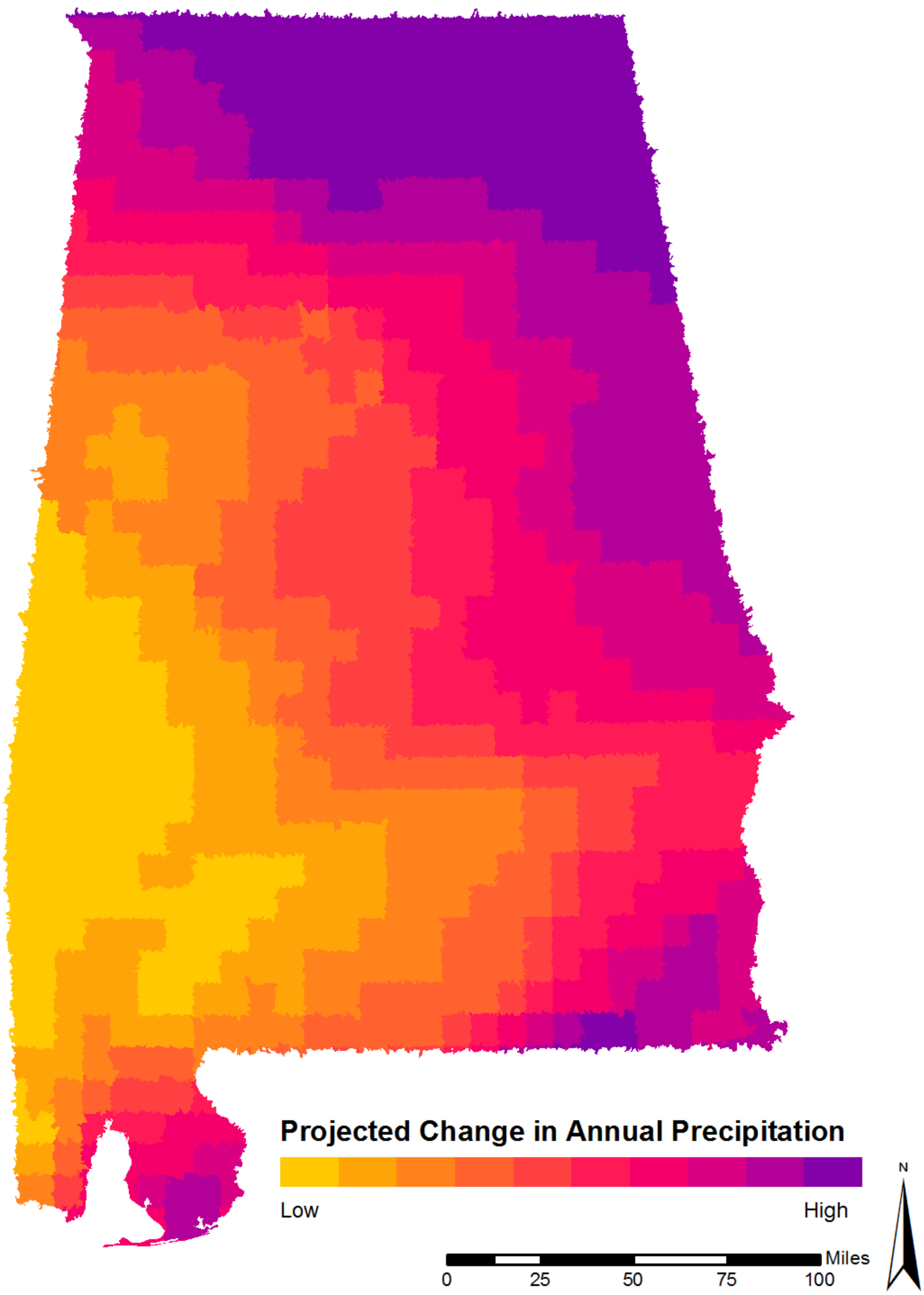

FIGURE A-20. PROJECTED PRECIPITATION CHANGE SCORES.

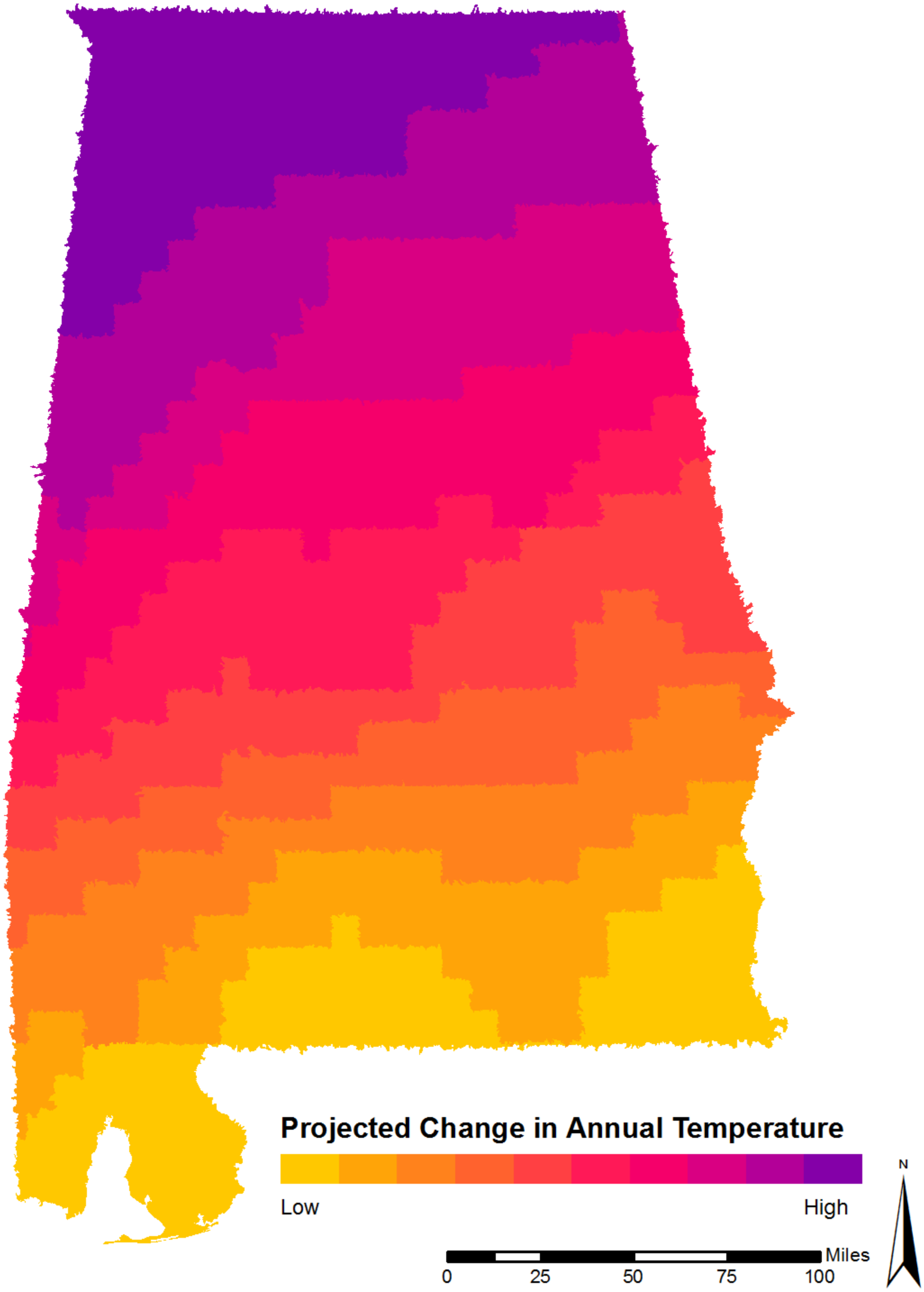

FIGURE A-21. PROJECTED TEMPERATURE CHANGE SCORES.

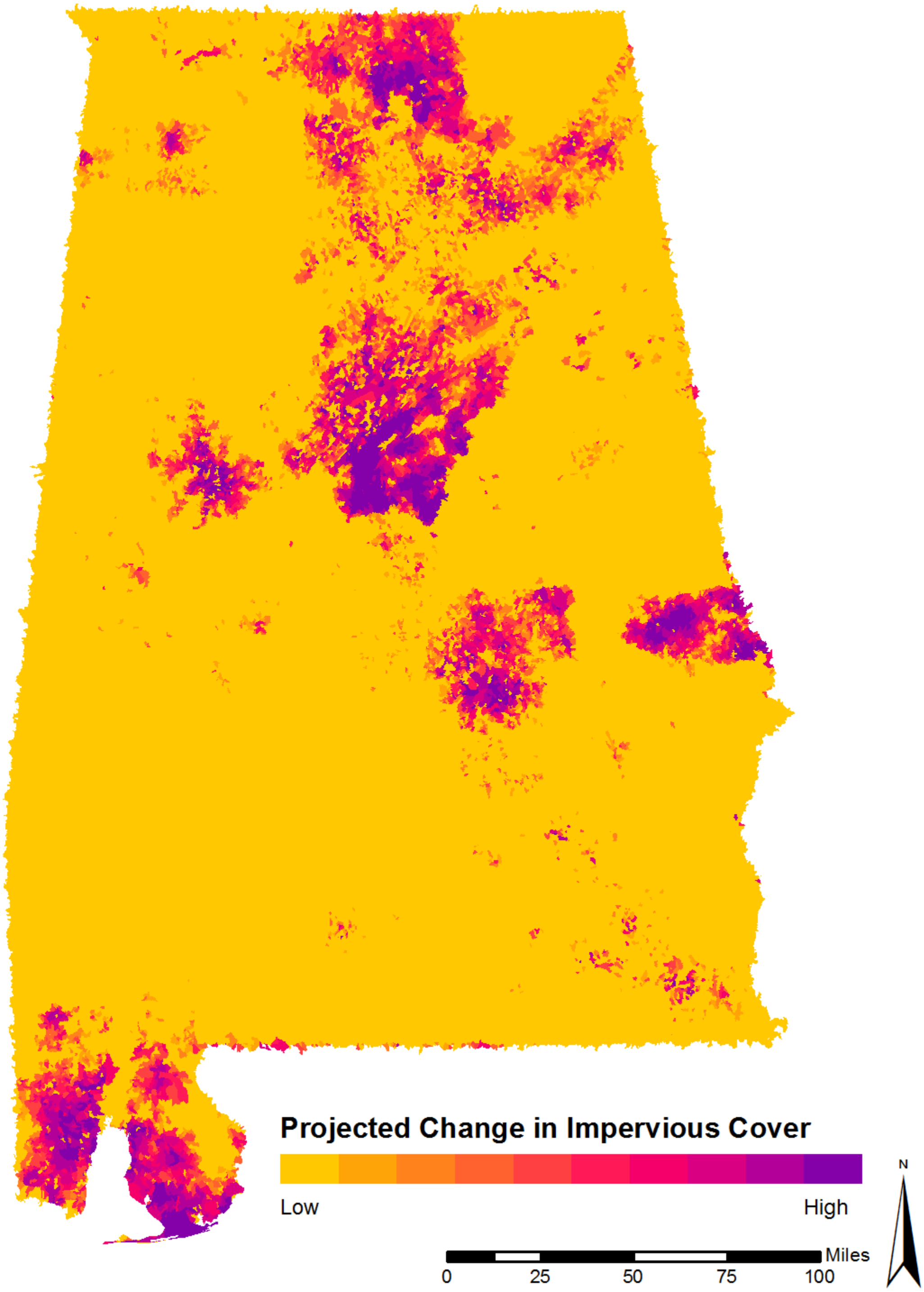

Figure A-22. Projected impervious surface cover change scores.

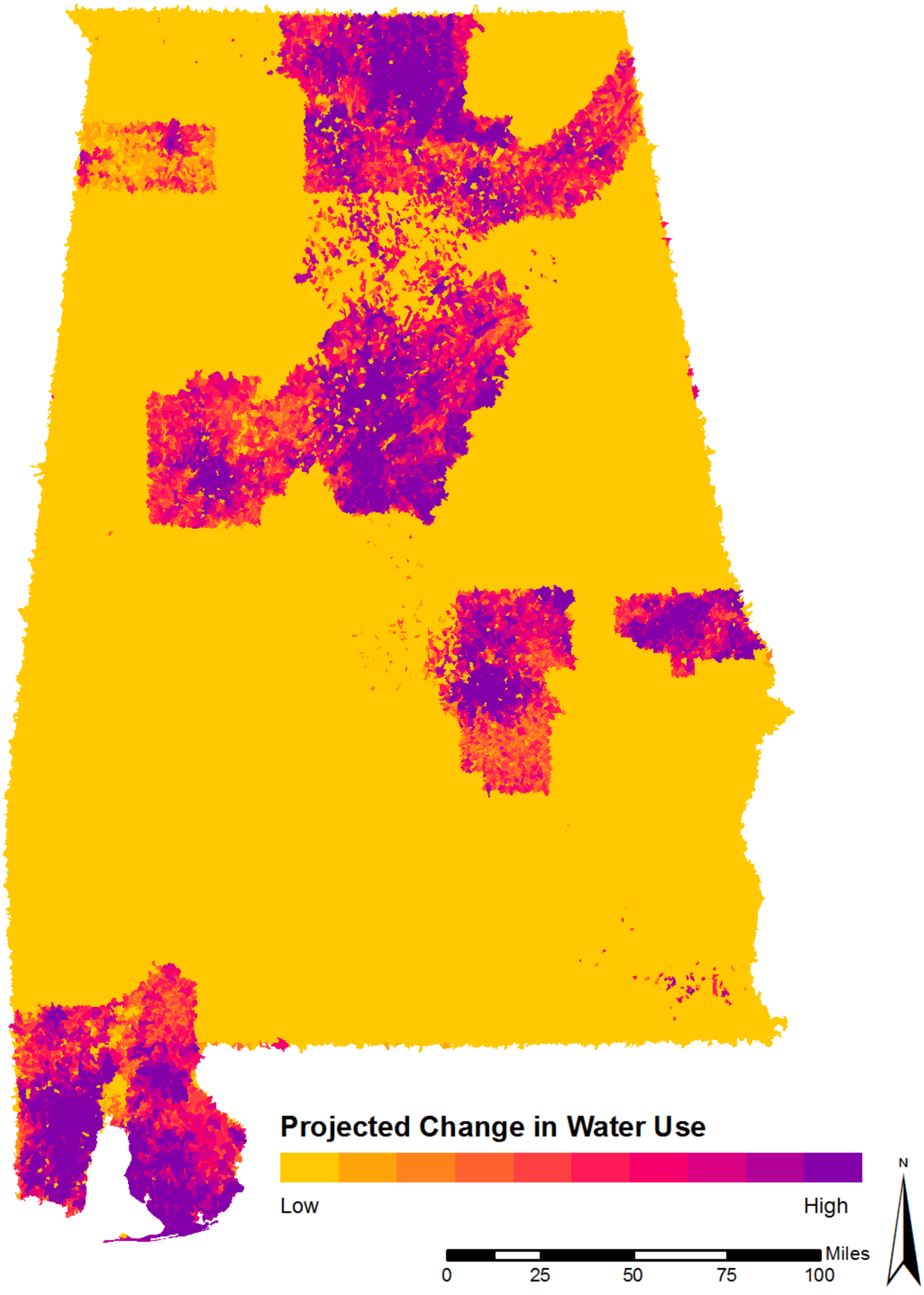

FIGURE A-23. PROJECTED WATER USE CHANGE SCORES.

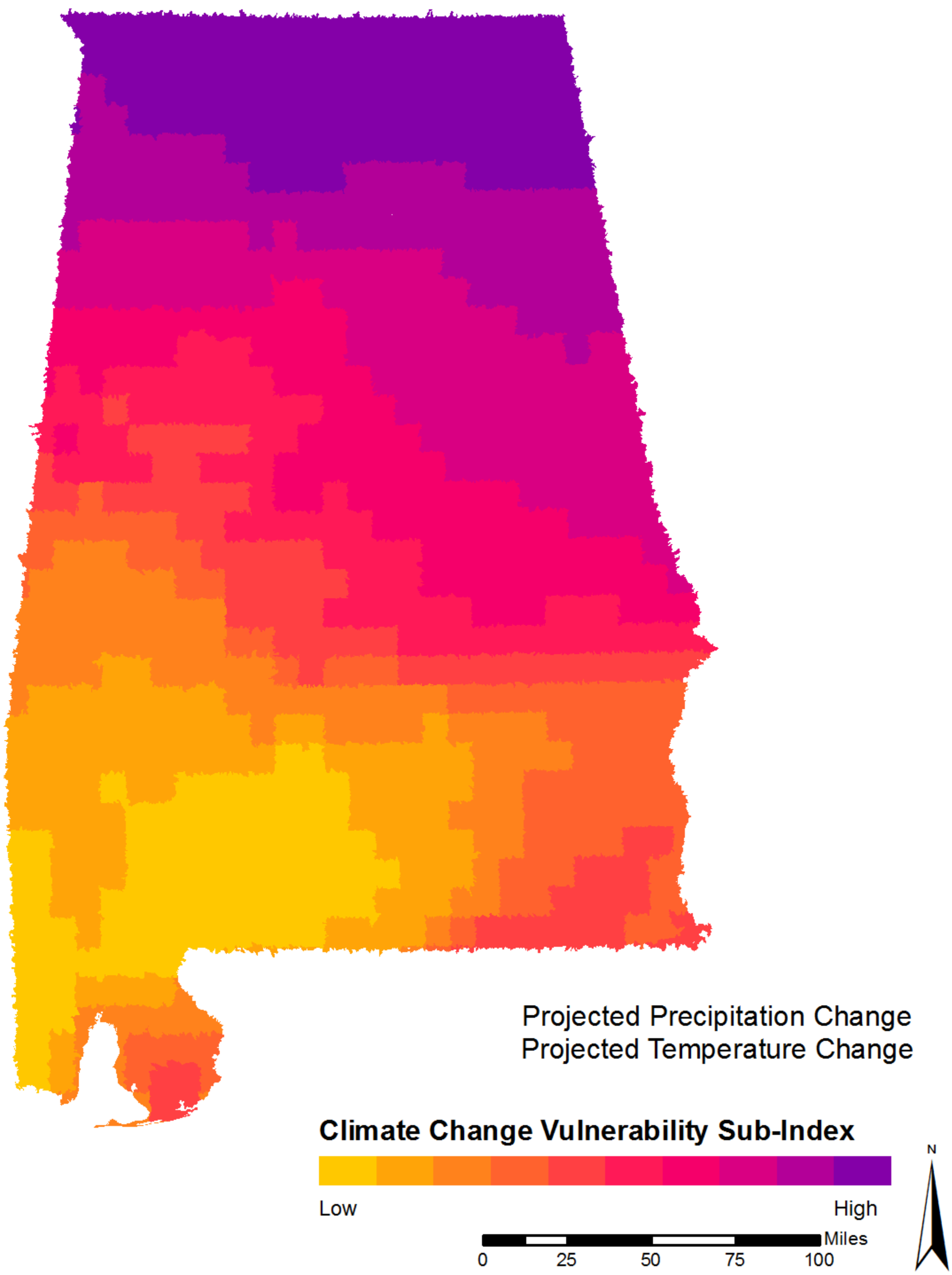

FIGURE A-24. CLIMATE CHANGE VULNERABILITY SUB-INDEX SCORES.

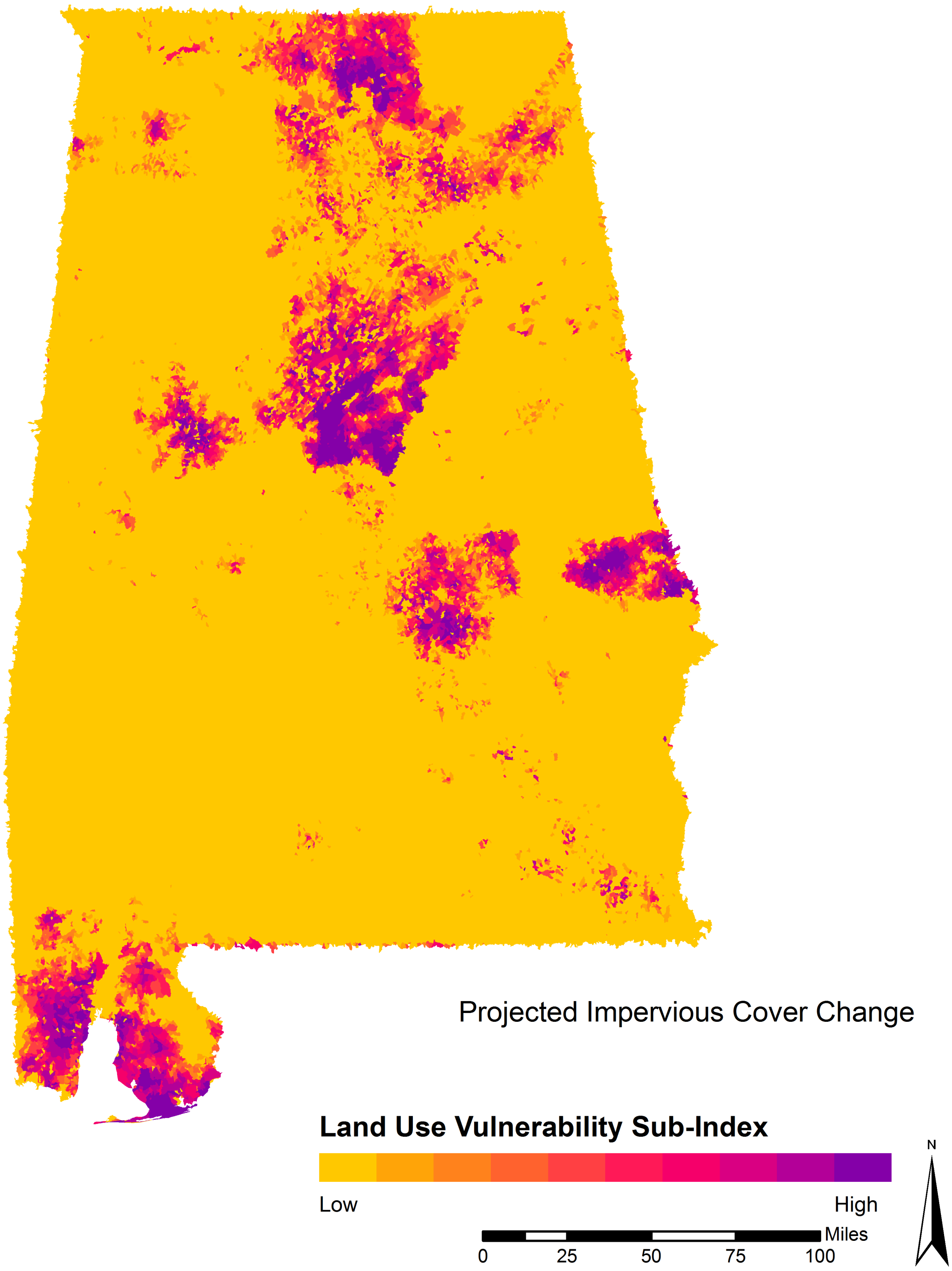

FIGURE A-25. LAND USE VULNERABILITY SUB-INDEX SCORES.

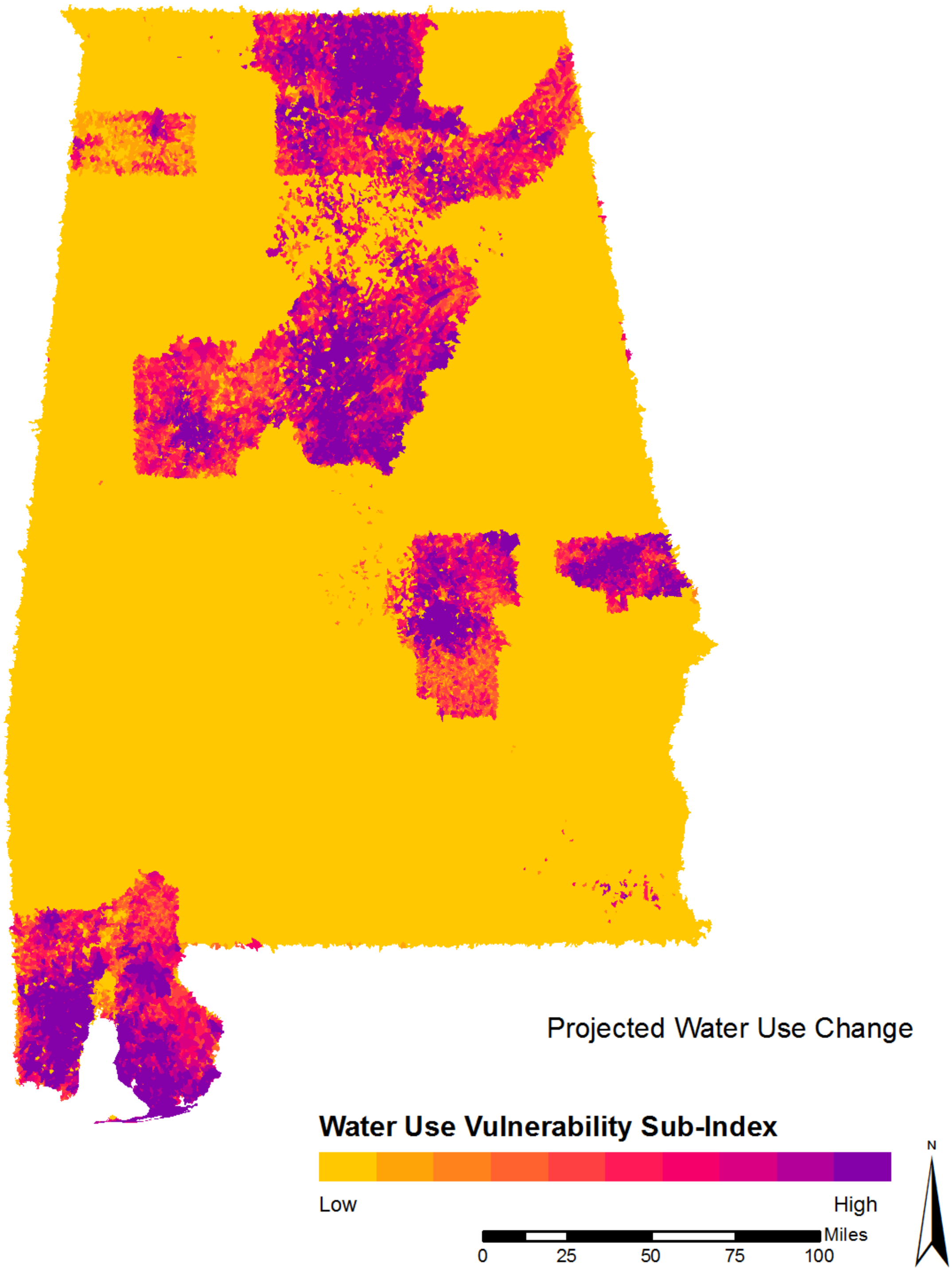

FIGURE A-26. WATER USE VULNERABILITY SUB-INDEX SCORES.

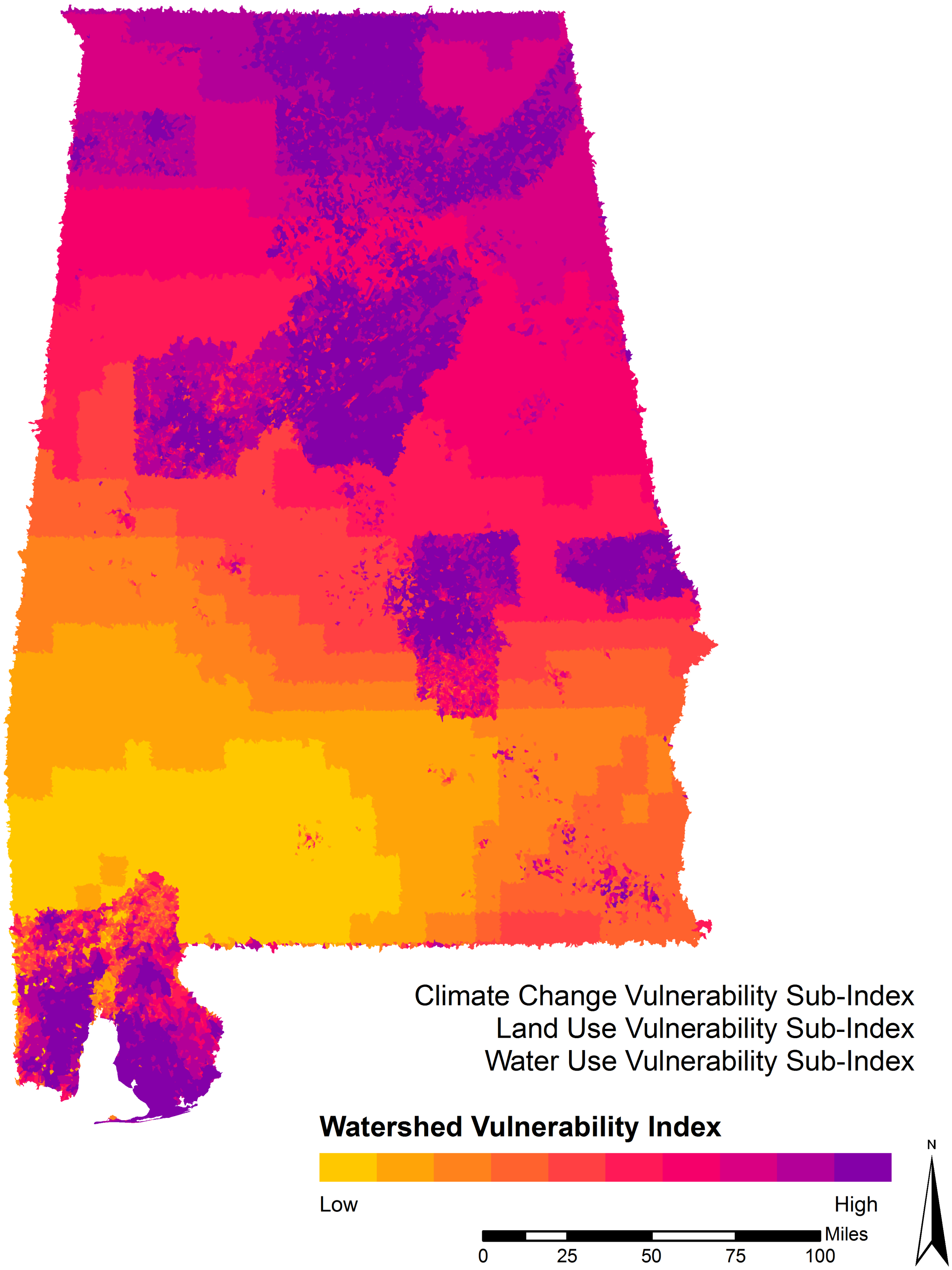

FIGURE A-27. WATERSHED VULNERABILITY INDEX SCORES.