U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
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MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, U.S. DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION, U.S. DEPARTMENT OF AGRICULTURE - U.S. FOREST SERVICE, AND MISSISSIPPI AUTOMATED RESOURCE INFORMATION SYSTEM

SCIENTIFIC INVESTIGATIONS MAP 3020
Wilson, K.V., Jr., Clair, M.G. II, Turnipseed, D.P., Rebich, R.A., Watershed boundary dataset for Mississippi:
U.S. Geological Survey Scientific Investigations Map 3020, Scale 1:500,000

WATERSHED BOUNDARY DATASET FOR MISSISSIPPI

By K. Van Wilson, Jr., Michael G. Clair II, D. Phil Turnipseed, and Richard A. Rebich

The U.S. Geological Survey, in cooperation with the Mississippi Department of Environmental Quality, U.S. Department of Agriculture-Natural Resources Conservation Service, Mississippi Department of Transportation, U.S. Department of Agriculture-Forest Service, and the Mississippi Automated Resource Information System developed a 1:24,000-scale Watershed Boundary Dataset for Mississippi including watershed and subwatershed boundaries, codes, names, and areas. The Watershed Boundary Dataset for Mississippi provides a standard geographical framework for water-resources and selected land-resources planning. The original 8-digit subbasins (Hydrologic Unit Codes) were further subdivided into 10-digit watersheds (62.5 to 391 square miles (mi^2)) and 12-digit subwatersheds (15.6 to 62.5 mi^2) —the exceptions being the Delta part of Mississippi and the Mississippi River inside levees, which were subdivided into 10-digit watersheds only. Also, large water bodies in the Mississippi Sound along the coast were not delineated as small as a typical 12-digit subwatershed. All of the data—including watershed and subwatershed boundaries, subdivision codes and names, and drainage-area data—are stored in a Geographic Information System database, which are available at: http://ms.water.usgs.gov/.

This map shows information on drainage and hydrography in the form of U.S. Geological Survey hydrologic unit boundaries for water-resource 2-digit regions, 4-digit subregions, 6-digit basins (formerly called accounting units), 8-digit subbasins (formerly called cataloging units), 10-digit watershed, and 12-digit subwatersheds in Mississippi. A description of the project study area, methods used in the development of watershed and subwatershed boundaries for Mississippi, and results are presented in Wilson and others (2008). The data presented in this map and by Wilson and others (2008) supersede the data presented for Mississippi by Seaber and others (1987) and U.S. Geological Survey (1977).

REFERENCES

Seaber, P.R., Kapinos, F.P., and Knapp, G.L., 1987, Hydrologic Unit Maps: U.S. Geological Survey Water Supply Paper 2294, 63 p.

Wilson, K.V., Jr., Clair, M.G., II, Rebich, R.A., and Turnipseed, D.P., 2008, Development of a watershed boundary dataset for Mississippi: U.S. Geological Survey Open File Report 2008-1198.

U.S. Geological Survey, 1977, Hydrologic Unit Map-1974, State of Mississippi: Scale 1:500,000.

EXPLANATION

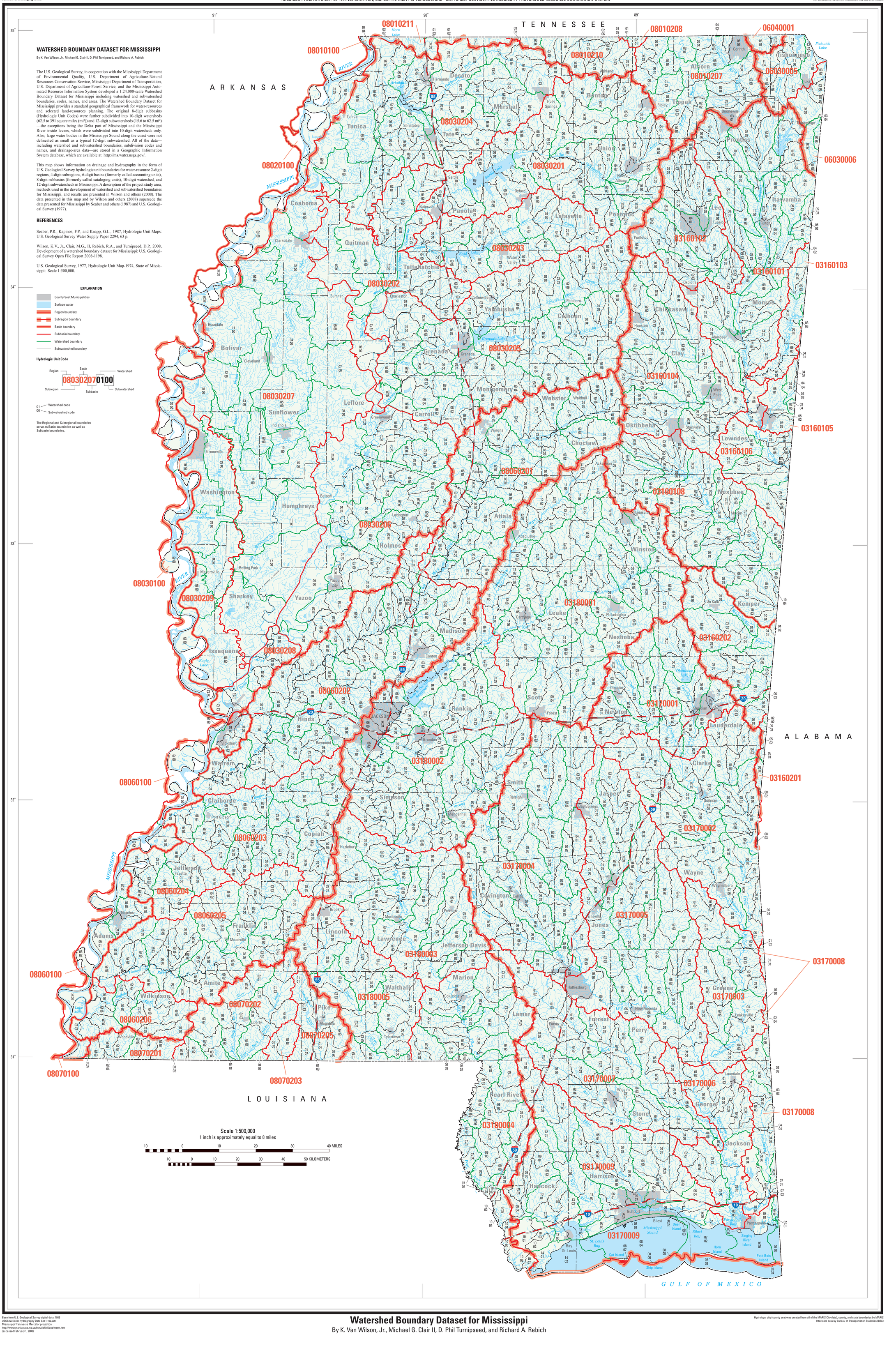
- County Seat Municipalities
- Surface water
- Region boundary
- Subregion boundary
- Basin boundary
- Subbasin boundary
- Watershed boundary
- Subwatershed boundary

Hydrologic Unit Code

Region — Basin — Watershed
080302070100
Subregion — Subbasin — Subwatershed

01 — Watershed code
00 — Subwatershed code

The Regional and Subregional boundaries serve as Basin boundaries as well as Subbasin boundaries.



Base from U.S. Geological Survey digital data, 1983
USGS National Hydrography Data Set 1:100,000
Mississippi Transverse Mercator projection
http://www.maris.state.ms.us/htm/definitions/mstm.htm
(accessed February 1, 2008)

Watershed Boundary Dataset for Mississippi

By K. Van Wilson, Jr., Michael G. Clair II, D. Phil Turnipseed, and Richard A. Rebich

Hydrology, city (county seat was created from all of the MARIS City data), county, and state boundaries by MARIS
Interstate data by Bureau of Transportation Statistics (BTS)