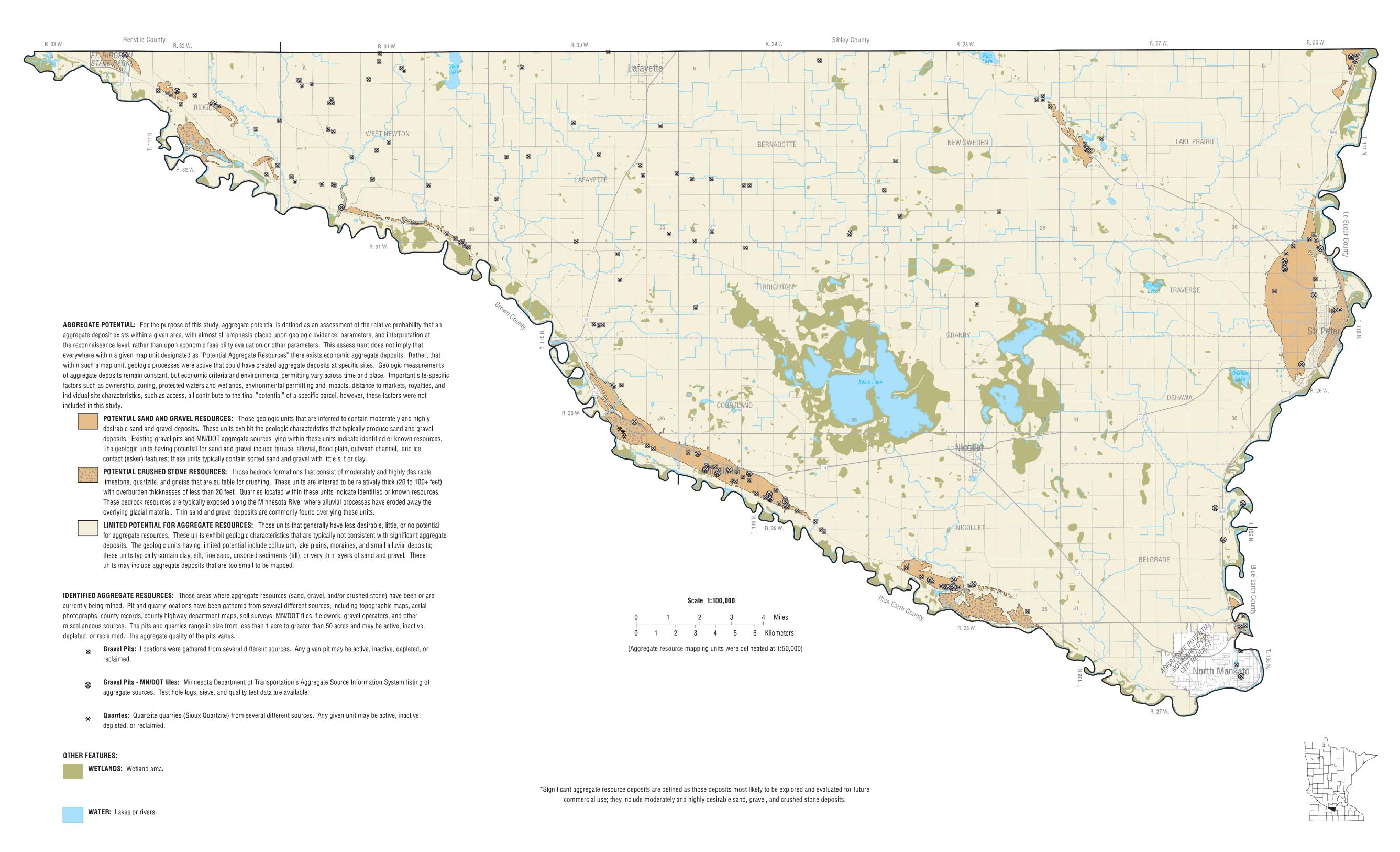


SIGNIFICANT AGGREGATE RESOURCE DEPOSITS* NICOLLET COUNTY, MINNESOTA

JONATHAN B. ELLINGSON

2000



ase map data sources:

Lakes, wetlands, and rivers from National Wetland Inventory, U.S. Fish and Wildlife Service, compiled at 1:24,000 from aerial photography (1979-1988) and spot

Public Land Survey - PLS Project, 1999, Minnesota Department of Natural Resources, Division of Lands and Minerals.

Roads from State of Minnesota Basemap, 1998, Department of Transportation Surveying and Mapping BaseMap Development Group.

Minor Civil Divisions - township boundaries from the 1990 TIGER line files, city boundaries from Nicollet County, December 2000.

GIS database design and cartography by Renee Johnson. Digitizing assistance by Lori Riggs.

Field and drilling assistance by Ricco Riihiluoma.

Aggregate Resources:

Aerial photograph interpretation, field work, and delineation of mapping units by Jonathan B. Ellingson, 1999-2000, County Aggregate Mapping Program, Division of Lands and Minerals, Minnesota Department of Natural Resources. Source information included aerial photographs from NAPP (National Aerial Photography Program), 1991-1992, 9"x 9" color infrared photos at 1:40,000; DOQs (Digital Orthophoto Quadrangles) at 1:12,000 from USGS (United States Geological Survey); DRGs (Digital Raster Graphics) at 1:24,000 from USGS; 7.5-minute USGS topographic quadrangles at 1:24,000 (dating from 1964-1993); and Soil Survey Geographic (SSURGO) data base files from USDA-NRCS (United States Department of Agriculture - Natural Resources Conservation Service), 1998.