

GEOLOGIC MAP OF MINNESOTA—BEDROCK GEOLOGY

Minnesota Geological Survey

State Map Series S-21

Scale 1:500,000

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Coordinate system: UTM, NAD83, zone 15

*NOTE: This publication supersedes the bedrock geologic map elements of MGS Open-File **OF10-02**. Other components of OF10-02 are still valid; including the state-wide maps of bedrock topography, depth to bedrock, and outcrop locations, and the geochronology shapefiles.*

The following is a list of the files available for download from this site.

s21.zip -- Zip file containing shapefiles (listed below) and metadata for the gis files that comprise S21.
metadata -- folder containing pdf files of metadata for each major gis file of S21
readme.pdf -- this file
S21.pdf -- a PDF file of the S21 map plate including explanatory text and ancillary graphics. Scaled to 1:500,000.
S21text.pdf -- a PDF file of the text and graphics on the map plate
dikes.lyr -- Esri legend file to color dikes
dikes -- line shapefile of dike locations
form_line.lyr -- Esri legend file to color the form lines
form_line -- line shapefile of linear features derived from aeromagnetic data
ju_pg -- polygon shapefile of Jurassic units
ka_pg -- polygon shapefile of Cretaceous Albion unit
kc_pg -- polygon shapefile of Cretaceous Coleraine formation
kew_pg_under_lksup.lyr -- Esri legend file to color igneous units under Lake Superior
kew_pg_under_lksup -- polygon shapefile of igneous units projected under Lake Superior
kew_sed_cover -- polygon shapefile of Keweenaw sediment cover under Lake Superior
ku_pg -- polygon shapefile of Cretaceous sediments, undivided
mncomdt -- polygon shapefile of Minnesota Counties
mnoutln -- polygon shapefile of the outline of Minnesota
Paleozoic bedrock.lyr -- Esri legend file to color the Paleozoic geology
Precambrian bedrock.lyr -- Esri legend file to color the Precambrian geology map
Precambrian Contacts; Faults.lyr -- Esri legend file to set the line style for contacts and faults
pz_fault -- line shapefile of Paleozoic faults
pz_pg -- polygon shapefile of Paleozoic geologic units
s21.mxd -- ESRI project file for use in ArcGis 9.3 or higher
s21_pcln -- line shapefile of Precambrian contacts and faults
s21_pcpn -- polygon shapefile of Precambrian geologic units

Contact for GIS data:

Richard Lively, Tim Wahl, and the authors.

Contact at MGS to obtain S21 map as plot:

Map Sales Department of the Minnesota Geological Survey, 2642 University Avenue, St. Paul, Minnesota, 55114-1057; phone 612-627-4782 (fax 612-627-4778).