

Sand and Gravel Resources of Kandiyohi County, MN

Map, Data, and Metadata Published March 30, 2021

Produced by the Aggregate Resource Mapping Program

MN Department of Natural Resources (MN DNR), Division of Lands and Minerals

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Map

kandiyohi_sandandgravel.pdf - Aggregate Resource Potential in Kandiyohi County, Minnesota, Sand and Gravel Potential.

- ❖ Paper size is 36" x 46"
- ❖ Digital size is 30 MB

GIS Data and Metadata (.pdf)

MN DNR's Aggregate Resource Mapping Program's Aggregate Resource Data

- ❖ **kand_sandandgravelpotential** - Sand and gravel resource potential. (polygon, 278 map units, 806 records).
kand_sandandgravelpotential.html - metadata
- ❖ **kand_fieldobservations** - Locations of geologic field observations. (point, 67 records)
kand_fieldobservations.html - metadata
- ❖ **kand_aggmynes** - Locations of gravel pits, sand pits, borrow pits, and prospects. (point, 334 records)
kand_aggmynes.html - metadata

Minnesota Geological Survey's (MGS) County Well Index Data

- ❖ **kand_cwilocs_0321** – Field verified locations of CWI wells download in March of 2021 and clipped to Kanabec County. This file includes an additional field that links to the online drill logs and stratigraphy. (point, 6431 records)
- ❖ **kand_unlocs_0321** – Unverified locations of CWI wells downloaded in March of 2021 and clipped to Kanabec County. These well do not have a good location. The location is derived by calculating the midpoint of the Public Land Survey location reported by the driller. (point, 121 records)
- ❖ **kand_cwist**– Table of driller's descriptions and interpreted stratigraphy that can be related in GIS software to both CWI datasets above via the 'RELATEID' field (table, 50282 records).

see http://mgsweb2.mn.gov/cwi_doc/cwidoc.htm for more background and use tips on CWI

Minnesota Department of Transportation's (Mn/DOT) Aggregate Source Information System Data

- ❖ **kand_asis0118** - Locations of Mn/DOT sites of aggregate sources (gravel pits) current as of 2018 and clipped to Kandiyohi County. (point, 93 records)
- ❖ **kand_asisquality** - Summary table of construction aggregate quality from Mn/DOT ASIS pit sheets where recorded. (table, 46 records)

see <https://www.dot.state.mn.us/materials/aggsources.html> for more background and use tips on MnDOT's ASIS data

The above features are available in the following spatial data formats:

- ❖ ESRI **File Geodatabase** (viewable in ArcGIS 10)
- ❖ ESRI **shapefiles** (viewable in most versions of ESRI software (ArcView -> ArcGIS) and other mapping software (exp., Map Info)

Online Links

Kandiyohi County Aggregate Resource Mapping Webpage for digital map, data, and metadata:

https://www.dnr.state.mn.us/lands_minerals/aggregate_maps/completed/aggregate-mapping-kandiyohi.html

Aggregate Resource Mapping Program Home Page:

http://www.dnr.state.mn.us/lands_minerals/aggregate_maps/index.html