

Sand and Gravel Resources of Kanabec County, MN

Map, Data, and Metadata Published February 22, 2012

Produced by the Aggregate Resource Mapping Program

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Map

kanabec_sandandgravel.pdf - Aggregate Resource Potential in Kanabec County, Minnesota, Sand and Gravel Potential.

- ❖ Paper size is 36" x 39"
- ❖ Digital size is 16 MB

GIS Data and Metadata (.pdf)

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

- ❖ **kana_sgp** - Sand and gravel resource potential. (polygon, 177 map units, 794 records).
kana_sgp.pdf - metadata
- ❖ **kana_fob** - Locations of geologic field observations. (point, 291 records)
kana_fob.pdf - metadata
- ❖ **kana_testholes** – Test holes drilled with sampling by Mn/DOT for gradations and quality. (point, 86 records)
kana_testholes.pdf - metadata
- ❖ **kana_pits** - Locations of gravel pits, sand pits, borrow pits, prospects, and quarries. (point, 301 records)
kana_pits.pdf - metadata

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

- ❖ **kana_cwilocs_nps_0610** – Field verified locations of CWI wells download in June of 2010 and clipped to Kanabec County. This file includes an additional field that links to the online drill logs called 'DOH_Path'. (point, 650 records)
- ❖ **kana_unlocs_nps_0610** – Unverified locations of CWI wells downloaded in June of 2010 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. This file includes an additional field that links to the online drill logs called 'DOH_Path'. (point, 2,805 records)
- ❖ **kana_c4st**– 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, 14,773 records).
county_well_index_version_4_2011.pdf - metadata

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

- ❖ **kana_asis0110** - Locations of Mn/DOT sites of aggregate sources (gravel pits) downloaded in January of 2010 and clipped to Kanabec County. (point, 103 records)
'oasismeta09.pdf' - metadata
- ❖ **kana_asisquality** - Summary table of construction aggregate quality from Mn/DOT ASIS pit sheets where recorded. (table, 22 records)
kana_asisquality.pdf - metadata

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

- ❖ ESRI **File Geodatabase** (viewable in ArcGIS 10 and ArcGIS 9.2/3)
- ❖ ESRI **shapefiles** (viewable in most versions of ESRI software (ArcView -> ArcGIS) and other mapping software (exp., Map Info))

Online Links

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

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

Aggregate Resource Mapping Program Home Page:

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