

# Report 362, Construction Aggregate Resource Potential for Stearns County, Minnesota

Maps, GIS Data, and Metadata Published June 26, 2012

Produced by the Aggregate Resource Mapping Program

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## Stearns County Aggregate Resource Maps

**stearns\_sandandgravel\_webmap.pdf** – Report 362, Plate A: Sand and Gravel Resource Potential in Stearns County.

❖ Paper size is 42" x 33", Digital size is 19 MB (Compressed)

**stearns\_crushedstone\_webmap.pdf** - Report 362, Plate B: Crushed-Stone Resource Potential in Stearns County.

❖ Paper size is 42" x 33", Digital size is 12 MB (Compressed)

## Stearns County Aggregate Resource GIS Data and Metadata (.pdf)

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

❖ **stea\_sgp** – Locations of sand and gravel resource potential

*stea\_sgp.pdf* – metadata

❖ **stea\_csp** – Locations of crushed-stone resource potential

*stea\_csp.pdf* – metadata

❖ **stea\_fob** - Locations of geologic field observations

*stea\_fob.pdf* - metadata

❖ **stea\_testholes** – Test holes drilled with sampling by Mn/DOT for gradations and quality

*stea\_testholes.pdf* - metadata

❖ **stea\_pits** - Locations of gravel pits, sand pits, borrow pits, prospects, and quarries

*stea\_pits.pdf* - metadata

❖ **stea\_sieve** – Table of sieve lab results for hand samples taken from geologic field observations. Table can be related in GIS software to 'stea\_fob' feature/shapefile (field observations) via the 'FIELD\_ID' field.

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

❖ **stea\_cwilocs\_nps\_0610** – Field verified locations of CWI wells download in June of 2010 and clipped to Stearns County. This file includes an additional field that links to the online drill logs called 'DOH\_Path'.

❖ **stea\_unlocs\_nps\_0610** – Unverified locations of CWI wells downloaded in June of 2010 and clipped to Stearns 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'.

❖ **stea\_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.

*county\_well\_index\_version\_4\_2011.pdf* - metadata

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

❖ **stea\_asis0110** - Locations of Mn/DOT sites of aggregate sources (gravel pits) downloaded in January of 2010 and clipped to Stearns County.

*'oasimeta09.pdf'* - metadata

❖ **stea\_asisquality** - Summary table of construction aggregate quality from Mn/DOT ASIS pit sheets where recorded.

*stea\_asisquality.pdf* - metadata

The above GIS features and associated tables are available in the following spatial data formats:

❖ ESRI File Geodatabase (viewable in ArcGIS 10 and ArcGIS 9.3)

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

## Mn/DOT Quality Test Reports (.pdf)

A folder with the Mn/DOT Quality Test Reports for 16 tested samples. These reports are related to the stea\_testholes GIS dataset.

## Online Links

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

[http://www.dnr.state.mn.us/lands\\_minerals/aggregate\\_maps/completed/stearns.html](http://www.dnr.state.mn.us/lands_minerals/aggregate_maps/completed/stearns.html)

Aggregate Resource Mapping Program Home Page:

[http://www.dnr.state.mn.us/lands\\_minerals/aggregate\\_maps/index.html](http://www.dnr.state.mn.us/lands_minerals/aggregate_maps/index.html)