

LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles)

Recent  
 Qm Post and muck in marsh land

Qal Alluvium and lacustrine deposits (chiefly sand and fine silt)

Qaf Alluvial fans (chiefly gravel and sand)

Qds Dune sand (derived from glacial river gravels and outwash from young gray drift)

Qlt Later terrace gravels of glacial River Warren (outlet of glacial Lake Agassiz)

Qmss Glacial Mississippi River channel floor on Platteville limestone (cut in bedrock during and after deposition of earlier terrace gravels)

Qet Earlier terrace gravels of glacial Minnesota and Mississippi rivers (formed from young gray drift; includes some heavy silt till surface and some later wash on terrace slopes)

Qgo Gray outwash gravel of the young gray drift (St. Paul)

Qgt Young gray till (thin sheet; chiefly ground moraine)

Qro Red outwash gravel of the red drift (red sand and gravel containing fine limestone pebbles)

Qrt Red till (red boulder clay containing fine limestone pebbles; chiefly terminal moraine)

Qod Old gray drift (all sand)

Qsp Platteville limestone (blue to gray limestone with clay beds at the base)

Qst St. Peter sandstone (very white friable quartzite sandstone)

Qsk Shakopee dolomite (chiefly massive bedded dolomite with some sandstone)

Qs Quarries

G Gravel pits

Bedrock deeply covered in most places by glacial deposits

Economic data: Building stone and crushed rock can be obtained from Platteville limestone and rough stone for ballast from Shakopee dolomite; fine from Shakopee dolomite, clay for common brick and tile from lacustrine deposits, Qal and red till, Qrt sand for lime brick and molding sand from St. Peter sandstone; building sand and gravel for concrete from Qro and gravel for roads from Qro, Qgo, Qet and Qlt.

Much of the area marked Qet and Qrt is first-class agricultural land; Qal and Qo are good lands when properly drained; Qro, Qgo, Qet and Qlt are level productive lands with soil of loose texture; Qds and Qaf are undulating lands with dusty sandy soils.

Henry Gannett, Chief Topographer;  
 Jno. H. Renshaw, Topographer in charge.  
 Triangulation by U.S. Coast and Geodetic Survey.  
 Topography by H. L. Baldwin, Jr.  
 Surveyed in 1894.

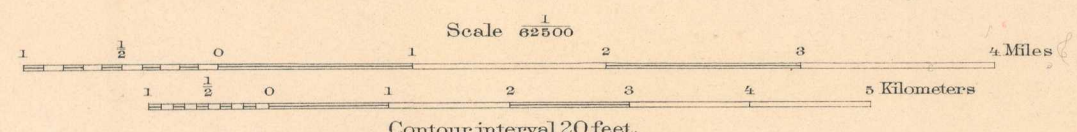


DIAGRAM OF TOWNSHIP

5	5	3	2	1
17	6	5	4	3
29	17	16	15	14
41	29	28	27	26
53	41	40	39	38
65	53	52	51	50

Geology by F. W. Sardeson.  
 Quaternary geology surveyed under supervision of Frank Leverett.  
 Surveyed in 1911.