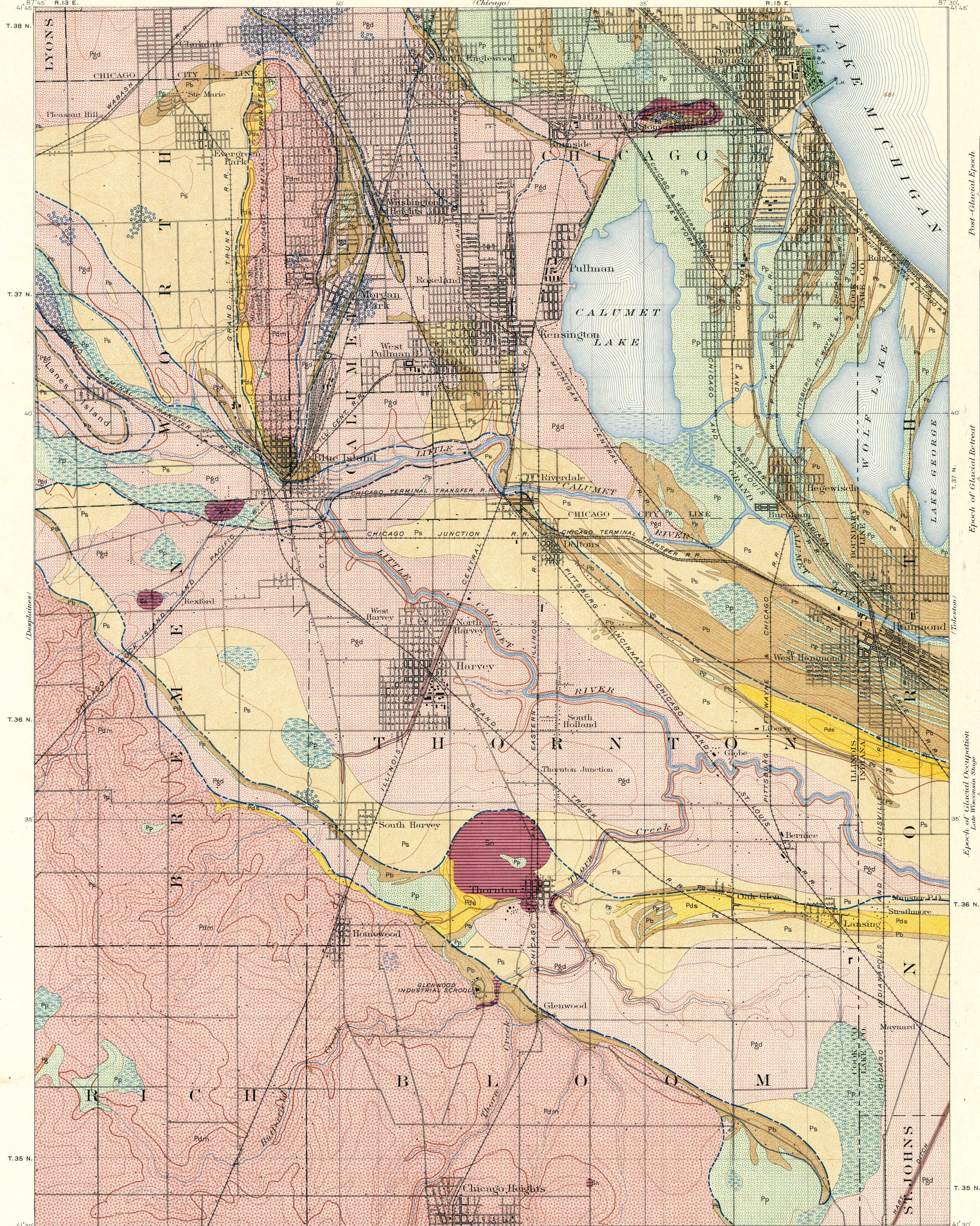




LEGEND

SURFICIAL ROCKS

(Areas of surficial rocks are shown by patterns of dots and circles.)

Pmi

Made land

Pp

Peat and muck (accumulated in marshes)

Pds

Dune sand

Ps

Sandy soil (overlying glacial drift and including sand of the present beach)

Pb

Beach sand and gravel (deposited in ridges at various stages of Lake Chicago's retreat; also bars and spits)

Indefinite shore line of Lake Chicago (approximate location)

Third or Tolleston shore line of Lake Chicago

Second or Calumet shore line of Lake Chicago

First or Glenwood shore line of Lake Chicago

Boulder deposit (chiefly or wholly boulders scattered over the surface of the glacial drift and occasionally showing in marshes and sandy soil)

Pg

Gravel deposited by glacial waters

Pgd

Glacial drift chiefly ground moraine (formerly covered by the waters of Lake Chicago)

Pdm

Glacial drift chiefly terminal moraine (constituting the Val paraisse moraine and Blue Island)

Sedimentary rocks (Areas of sedimentary rocks are shown by patterns of parallel lines.)

Sn

Niagara limestone (underlies the glacial drift throughout the quadrangle; only outcrops and very thin covered areas are shown on the map)

Glacial striae

PLEISTOCENE

SILURIAN

Henry Gannett, Chief Topographer.
Jno. H. Renshaw, Geographer in charge.
Triangulation and shore line by U.S. Lake Survey.
Topography by D.C. Harrison, R.C. McKinney, Nat. Tyler, Jr.
and Chicago Sanitary Commission.
Surveyed in 1889, 1897 and 1899.

Scale 1:50,000
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers

Contour interval 10 feet.
Datum is mean sea level.
Edition of April 1902.

T.C. Chamberlin, Geologist in charge.
Geology by William C. Alden.
Surveyed in 1896-97.