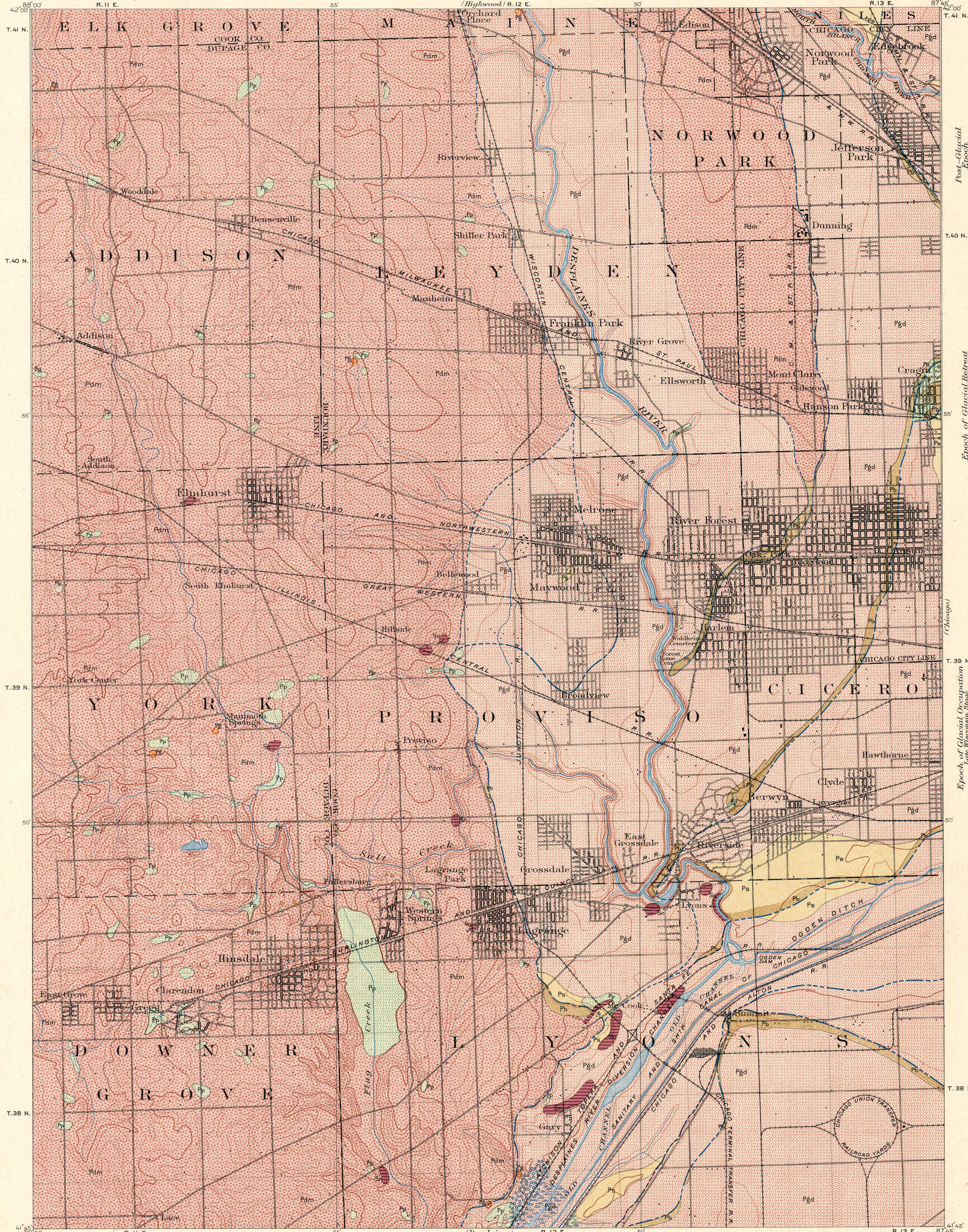




LEGEND

SURFICIAL ROCKS
(Areas of Surficial rocks are shown by patterns of dots and circles.)

Pp
Peat and muck
(accumulated in marshes)

Ps
Sandy soil
(overlying glacial drift)

Pb
Beach sand and gravel
(deposited in ridges at various stages of Lake Chicago, includes 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
(includes shore line of the lake outlet where the three stages coincide)

Boulder deposit
(chiefly crystalline 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 Valparaiso moraine and Lake Border moraine system)

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

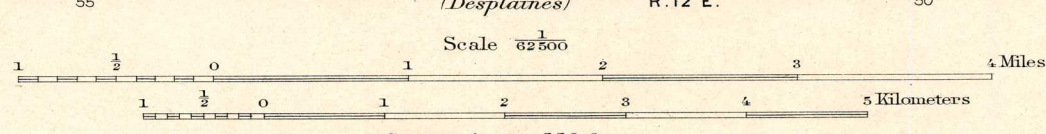
Sn
Niagara limestone
(underlies the glacial drift throughout the quadrangle, only outcrops and very thin layers are shown on the map)

Glacial striae

PLEISTOCENE

SILURIAN

Henry Gannett, Chief Topographer.
Jno. H. Renshaw, Geographer in charge.
Triangulation by U.S. Lake Survey.
Topography by D.C. Harrison, Nat. Tyler, Jr.,
and Chicago Sanitary Commission.
Surveyed in 1889-90, and 99.



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

Fenneman
Atwood
Alden

T.C. Chamberlin, Geologist in charge.
Geology by William C. Alden.
Assisted by N.M. Fenneman
and W.W. Atwood.
Surveyed in 1897-98.