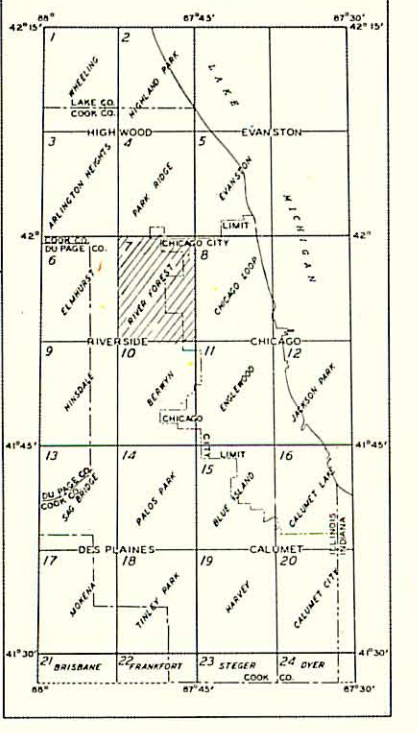


LEGEND

- Qm Made land (Artificial fill, spoil banks, dumps, etc.)
- Qex Excavations in unconsolidated material
- Qp Peat and muck deposits
- Qal Alluvium (Silt, sand, and gravel deposited by present streams)
- Qb Beach ridges and related deposits of sand and gravel (Made during the various stages of Lake Chicago)
- Ql Glacial lake bottom (Commonly without lacustrine deposits)
- Qr Glacial river bars (Low mounds and hills of gravel deposited by glacial streams)
- Qvt Valley-train (Mainly well-sorted sand and gravel deposited by glacial streams in open valleys)
- Qb Lake border moraines:
 - b—Highland Park moraine
 - h—Holtz moraine
 - d—Desfield moraine
 - p—Park Ridge moraine
- Q1 & Tinley ground-moraine
- Shoreline of Calumet stage of Lake Chicago (Where defined by beach deposits or wave-cut cliffs)
- Shoreline of Glenwood (oldest) stage of Lake Chicago (Where defined by beach deposits or wave-cut cliffs)
- Approximate position of shorelines of Lake Chicago (Where not defined by shore features but generalized with reference to contour lines)
- Definitely determined boundary between deposits
- Indefinite boundary between deposits
- Sand or gravel pit
- Clay pit



Topographic base surveyed in cooperation with the U. S. Geological Survey, 1924-25

SURFICIAL GEOLOGY OF THE RIVER FOREST QUADRANGLE

BY
J HARLEN BRETZ

Geologically surveyed in 1930-1932. In connection with other quadrangles of the Chicago area.

