

LEGEND

Recent

- Qm Made land (Artificial fills, spoil banks, dumps, etc.)
- Qex Excavations in unconsolidated material
- Qds Dune sand (Mainly beach sand reworked by wind)
- Qb Beach ridges and related deposits of sand and gravel (Made during and since the various stages of Lake Chicago)
- Ql Glacial lake bottom (Commonly without lacustrine deposits)
- Qls Glacial lake bottom (Covered by lacustrine silt and sand)
- Qlr Glacial river bottom (Chiefly erosion, with some residual gravel)

Illinoian

- Sn Niagara series of undifferentiated dolomitic formations, exposed
- Snc Niagara formations, thinly covered

Shoreline of Tolleston 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)

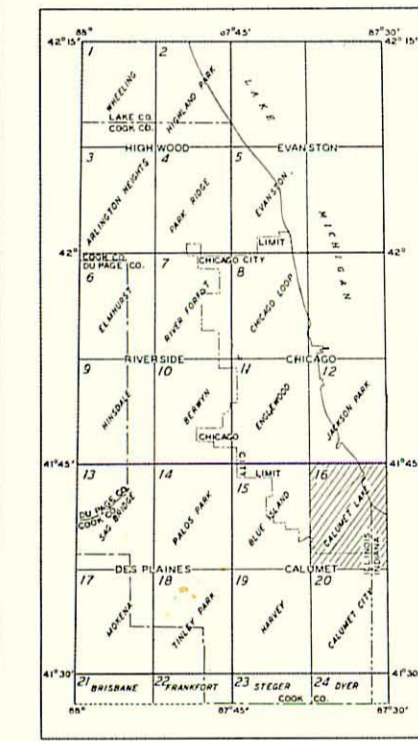
Definitely determined boundary between deposits

Indefinite boundary between deposits

Boundaries between deposits determined in 1896-98, but now largely or completely destroyed or obscured.
 (W. C. Allen, U. S. Geol. Survey Geol. Atlas, Chicago, July 1901, 81, 1902)

Glacial striae, oriented in direction

- Rock quarry
- Sand or gravel pit
- Clay pit



Topographic base surveyed in cooperation with the U. S. Geological Survey, 1927; 1936; 1938

SURFICIAL GEOLOGY OF THE CALUMET LAKE QUADRANGLE

BY
J HARLEN BRETZ

A. Haze & Co.

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

