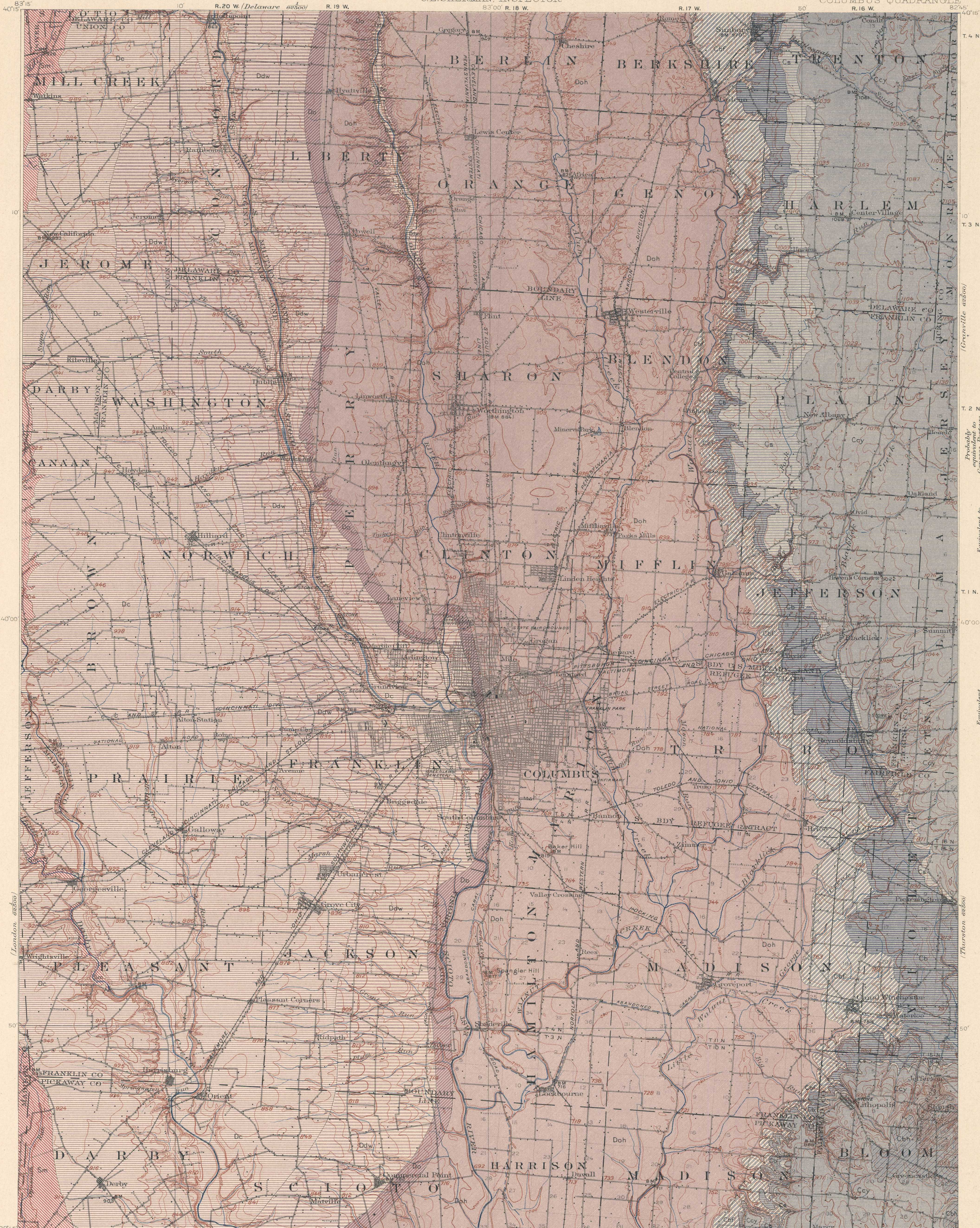


AREAL GEOLOGY

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

STATE OF OHIO
JUDSON HARMON, GOVERNOR
C.E. SHERMAN, INSPECTOR

OHIO
COLUMBUS QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

(Areas of subequivalent deposits are shown by patterns of parallel lines)

Cbh
Black Hand formation
(red to buff coarse sandstone)

Ccy
Cuyahoga formation
(dark gray argillaceous shale interbedded with fine-grained sandstone)

Cs
Subsary shale
(black shale bituminous argillaceous shale)

Cb
Berea sandstone
(fine-grained gray to buff sandstone)

Cbf
Bedford shale
(dark gray to red clay shale)

Doh
Ohio shale
(bituminous black shale with large concretions)

Do
Olentangy shale
(soft blue calcareous and argillaceous shale)

Ddw
Delaware limestone
(blue shaly limestone and brown calcareous shale)

Dc
Columbus limestone
(massive gray limestone, lower and impure in upper part, with a basal limestone conglomeration)

Sm
Monroe formation
(compact drab banded limestone and much gypsum near the base not exposed)

The rocks are largely concealed by glacial and alluvial deposits which are separately mapped on the Surficial geology map.

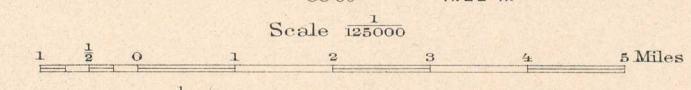
*** Stone quarry**

Note: Columbus limestone yields material suitable for building stone. Lower Ohio bedded and road making. Delaware limestone for ballast and road making. Olentangy, Ohio and Bedford shales must be used for making tile, brick and roofing. Black Cuyahoga formation yields some building stone.

T. 4 N.
T. 3 N.
T. 2 N.
T. 1 N.
T. 0 N.
T. 0 S.
T. 1 S.
T. 2 S.
T. 3 S.
T. 4 S.
 (Cuyahoga section)
 (Columbus section)
 (Delaware section)
 (Ohio section)
 (Monroe section)

CARBONIFEROUS
 DEVONIAN
 SILURIAN

Topography and control by U.S. Geological Survey. Reduced from Dublin, East Columbus, West Columbus, and Westerville atlas sheets. Surveyed in 1899, 1901, and 1902.



Scale 1:25000
Contour interval 20 feet.
Dotted line is mean sea level.
Edition of Jan. 1913

Geology by Clinton R. Stauffer
Surveyed in 1906 and 1907
SURVEYED BY THE STATE OF OHIO
J.A. Bownocker, State Geologist.