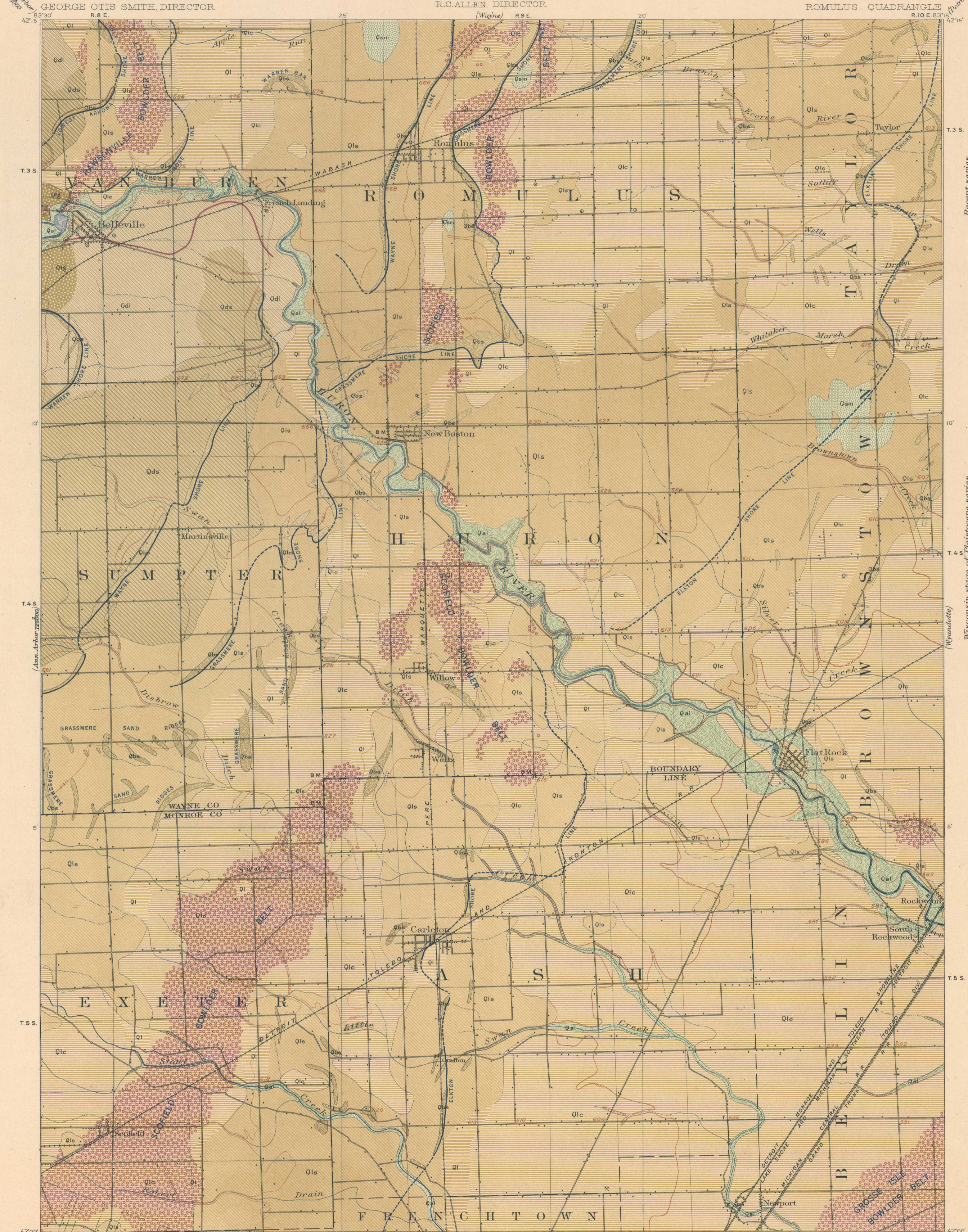


AREAL GEOLOGY

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

STATE OF MICHIGAN
BOARD OF GEOLOGICAL SURVEY
R.C. ALLEN, DIRECTOR

MICHIGAN
ROMULUS QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

(Areas of subequal deposits are shown by patterns of dots and circles; subsequent deposits by patterns of parallel lines)

Q_{am}

Swamp muck and peat

Q_{al}

Alluvium
(loam, silt and muck; only larger areas shown)

Q_{ig}

Terraced stream gravel
(deposited by glacial Huron River when it entered Lake Warren)

Bank of glacial Huron River cut at the time of Lake Wayne

Glacial lake-shore lines
(dashed lines indicate position doubtful or poorly defined)

Q_{bs}

Beach sand, pebbly in places
(includes some dune sand)

Q_{ls}

Lacustrine sand in bed of glacial lakes
(includes some beach and dune sands)

Q_{ds}

Pebbly delta sand
(deposited in Lake Warren; includes some beach sand)

Q_{dl}

Pebbly delta loam
(admixture of pebbly delta sand and clay; deposited in Lake Warren)

Q_l

Lacustrine loamy soil in bed of glacial lakes
(admixture of sand and clay)

Q_{lc}

Lacustrine clay in bed of glacial lakes
(more or less reworked moraine clay)

Q_{bl}

Boulder belts
(scattered boulders and cobbles deposited by glacial river along its border)

Recent series

Wisconsin stage of Pleistocene series

Deposits of Huron-River glacial lake

QUATERNARY

Note: Distribution of bedrock formations is shown in figure in text.

Economic note: Clay for brick and tile can be obtained from Q_{al} and Q_{lc}; building sand from Q_{bs}, Q_{ls}, and Q_{ds}; gravel for roads and concrete from Q_{dl}, Q_{ds}, and Q_{bs}; boulders and cobbles for construction work from boulder belts; peat from Q_{am}; marl and red and yellow clays are obtained from some drained swamps.

Gas wells

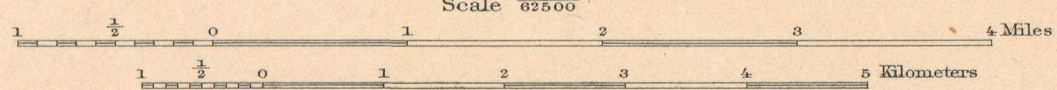
Quarries in bedrock small or abandoned

Rock outcrops

H.M. Wilson, Geographer.
Robert Muldrow, Topographer in charge.
Topography by J.T. McCoy.
Triangulation by U.S. Lake Survey.
Surveyed in 1903.

SURVEYED IN COOPERATION WITH THE STATE OF MICHIGAN.

APPROXIMATE MEAN SEASIDE ELEVATION 1903.



Scale 1:62,500
Contour interval 20 feet.
Datum is mean sea level.
Edition of Jan. 1916.

DIAGRAM OF TOWNSHIP

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32

Geology by W.H. Sherzer.
Surveyed in 1911.

SURVEYED IN COOPERATION WITH THE STATE OF MICHIGAN.