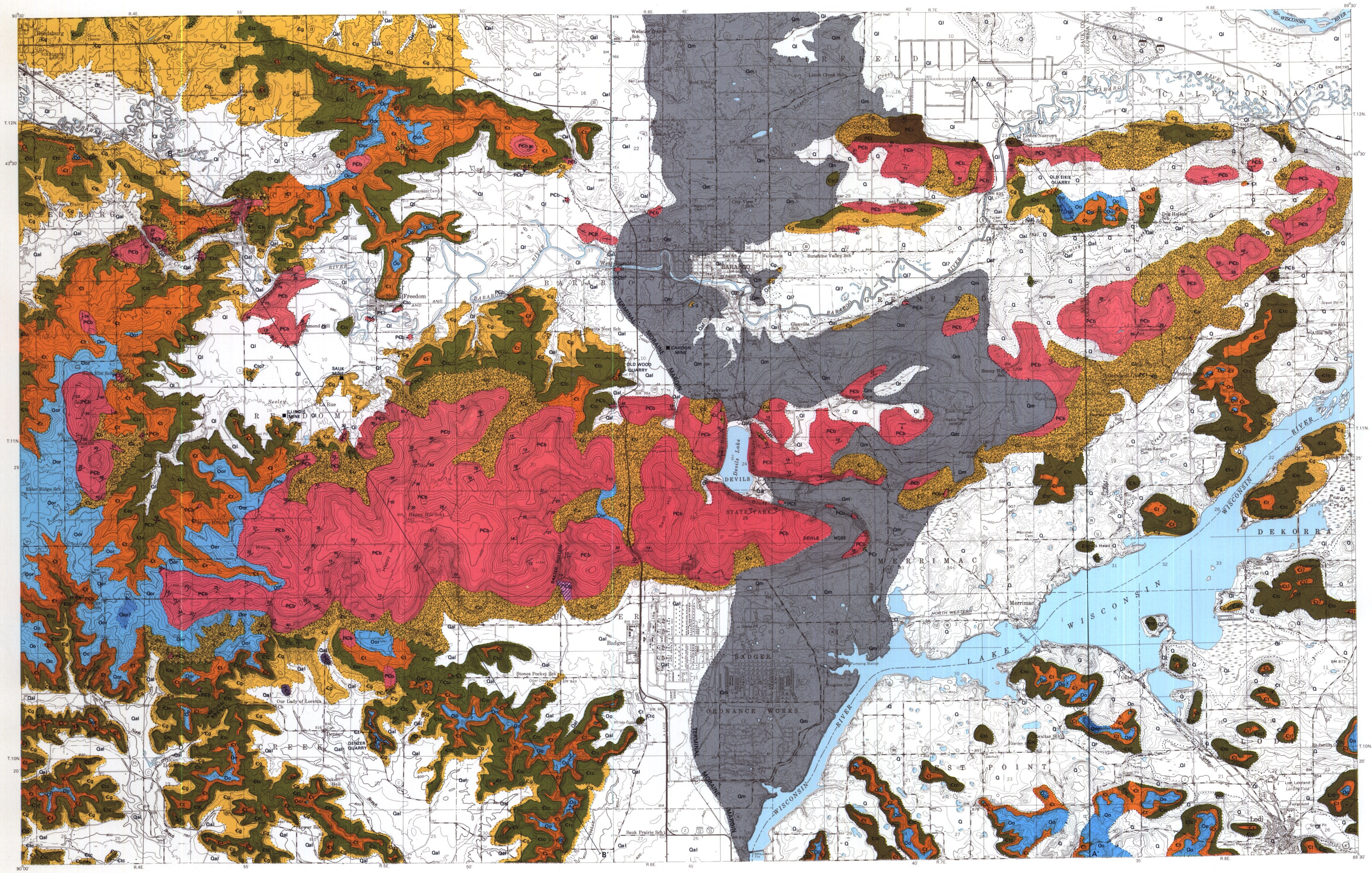
GEOLOGIC MAP OF THE BARABOO DISTRICT
COLUMBIA AND SAUK COUNTIES, WISCONSIN

Synthesized by R.H. Dott, Jr.



UNIVERSITY EXTENSION, THE UNIVERSITY OF WISCONSIN,
Geological and Natural History Survey, George F. Hanson, State Geologist
1970

PLATE I

SCALE 1:62500

CONTOUR INTERVAL 20 FEET

Based in part upon unpublished maps by:
Alden, Thwaites and others of entire area (1905 and 1907)
J.M. Wanemacher of syncline area (1932)
D.M. Howe of southwestern area (1966)
D.A. Hackbarth of southeastern area (1968)
E. Usbug of northwestern area (1968)
S.L. Kreutzman of eastern syncline area (1968)
I.W.D. Dalziel of quartzite (1968-69)

EXPLANATION

CENOZOIC

Qal — River alluvium and glacial outwash deposits

Ql — Glacial lake sediments

Qm — Late Woodfordian (Cary) terminal moraine

Q — Undifferentiated till, lake and wind deposits, and alluvium

- - UNCONFORMITY - -

ORDOVICIAN

Osp — St. Peter Sandstone
(Tan to brown, partially cross-stratified, medium to coarse quartz sandstone)

- - UNCONFORMITY - -

Oo, Oor — Oneota Formation
(Oo - Gray dolomite with chert nodules, oolite, and thin quartz sandstones; forms resistant cap rock. Oor - Residuum of red-brown soil, chert, and quartz geodes on uplands in western areas)

UPPER CAMBRIAN

€t — Trempealeau Group
(Includes St. Lawrence Formation at base comprised of Black Earth Dolomite Member below and Lodi Siltstone Member above. Cross-stratified, brown Jordan Sandstone at top of Group has "Scolithus" borings and is silicified at top. Solid-line basal contact denotes areas where Black Earth Member is well exposed)

€tc — Tunnel City Group
(Formerly designated "Franconia Sandstone"; includes Mazomanie and Lone Rock Formations. Gray cross stratified, dolomitic fine to medium quartz sandstone and thin dolomite layers and sporadic glauconite especially near top; "Scolithus" borings and flat-pebble conglomerates common)

€g — Galesville Sandstone
(White, medium to coarse, exceptionally pure, rounded and well sorted, cross-stratified quartz sandstone)

OF VARIABLE AGE:

€u — Undifferentiated quartzite conglomerate and conglomeratic sandstone facies deposited near ancient quartzite islands
(May include some Ordovician conglomerate)

- - UNCONFORMITY - -

MIDDLE OR LATE PRECAMBRIAN

P€b — Baraboo Quartzite
(Red, maroon, and pink cross-stratified vitreous quartzite with fracture cleavage; minor fine conglomerate. P€b? may represent the younger Dake Quartzite recognized in subsurface)

P€r — Rhyolite and Quartz keratophyre
(Red, gray, and black rhyolite and quartz keratophyre presumably of volcanic origin. Includes chiefly flow-banded and fragmental hybrids apparently representing tuffs, welded tuffs and tuff breccias. Prominent cleavages commonly obscure original primary structures)

OF UNCERTAIN RELATIVE AGE:

P€g — Baxter Hollow Granite
(Gray and red granite and quartz diorite beneath Baraboo Quartzite in Baxter Hollow)

P€d — Diorite near Denzer
(Isolated areas of dark gray diorite boulders surrounded by Cambrian and alluvial deposits)

SYMBOLS

Definite contact

Indefinite contact

Concealed contact

Gradational contact between €u and other Cambrian units

Dip and strike of bedding (also of compositional layering in rhyolite and quartz keratophyre)

A — A′ Line of section

■ Old iron mines

Based from U.S.G.S. topographic map quadrangles.

Cartography by Randall D. Sale and Michael L. Czechanski.

(Information Circular 14)