T. 43 N.

T. 42 N.

31 | 32
6 | 5

Corner stake

MICHIGAMME RIVER

STATE 69

POND

RAPIDS

GLIDDEN EXPLORATION

SCADDEN EXPLORATION

Fault gouge

¼ Corner stake

pCmg pCu pCmi pCm pCl mg sl ox ch gs sch

TRUE NORTH
MAGNETIC NORTH
1°

EXPLANATION

Middle Precambrian — PRECAMBRIAN

Animikie series

Hemlock formation

pCmg — Intrusive metagabbro of the West Kiernan sill

pCu — Upper member
Slate, volcanic conglomerate, and massive greenstone

pCmi / pCm — Mansfield iron-bearing slate member
Iron-formation in the upper part, pCmi; slate and greenstone schist in the lower part, pCm

pCl — Lower member
Greenstone schist

Contact
Approximately located

Inferred contact

U / D — Fault
Approximately located; U, upthrown side; D, downthrown side

Strike of axis and plunge of minor anticline

Strike of axis and plunge of minor syncline

Outcrop of massive rock

Outcrop of slate or schist

Strike and dip of beds

Strike of vertical beds

Strike and dip of overturned beds

Strike and dip of foliation in schist

Strike and dip of cleavage in slate

Strike of vertical cleavage

Test shaft with workings

T — Test shaft

Adit

Trench

X — Test pit

Diamond-drill hole
Number shows degree of dip

100–500 gammas

500–1000 gammas

Crests of magnetic anomalies as determined by total intensity airborne magnetometer survey

ABBREVIATIONS

carb	carbonate (siderite)
ch	chert or cherty
gs	greenstone
mag	magnetic
mg	metagabbro
sch	schist
sl	slate
ox	oxidized

Base map from Lake Mary quadrangle 1:24,000, 1945
South ⅓ mapped on planetable

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-3751

Geology by Richard W. Bayley, 1952

MAP OF OUTCROP AREA AROUND THE GLIDDEN AND SCADDEN EXPLORATIONS. PARTS OF SECS. 31 AND 32, T. 43 N., R. 31 W., AND SECS. 5 AND 6, T. 42 N., R. 31 W., IRON COUNTY, MICHIGAN

200 0 1000 Feet