



EXPLANATION

Outcrop areas shown in darker shade

Lower or Middle Precambrian

Metadiabase

East Branch arkose

Arkose with interbedded tuff (shown only in outcrop), debt; metabasalt (includes rocks of possible pyroclastic origin in secs. 7 and 8, T. 42 N., R. 28 W.); debv; arkose and arkosic conglomerate (includes undifferentiated metavolcanic rocks and arkose in covered areas), deb

Lower Precambrian Dickinson group

Porphyritic red granite

Mostly coarse red porphyritic granite, but ranges widely in composition and texture

PRECAMBRIAN

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Contact
Dashed where approximately located, short dashed where inferred, queried where doubtful

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Fault, approximately located

→ 45
Plunge of minor anticline

← 20
Plunge of minor syncline

70
Strike and dip of beds

→ 80
Strike and dip of overturned beds

90
Strike of vertical beds

Top direction shown by crossbedding

45
Strike and dip of foliation

Strike of vertical foliation

80 80
Strike and dip of foliation and plunge of lineation

CRESTS OF AEROMAGNETIC ANOMALIES

●
500 to 1000 gammas

●
Under 500 gammas

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Anomaly

Crests connected by solid line where correlation probable and by dashed line where uncertain. Crest positions may be in error by as much as 1/4 mile

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Crest of vertical intensity magnetic anomaly determined by ground survey

Swamp



Geology and base by Lorin D. Clark, 1949

GEOLOGIC MAP OF THE EAST BRANCH ARKOSE BELT, DICKINSON COUNTY, MICHIGAN

