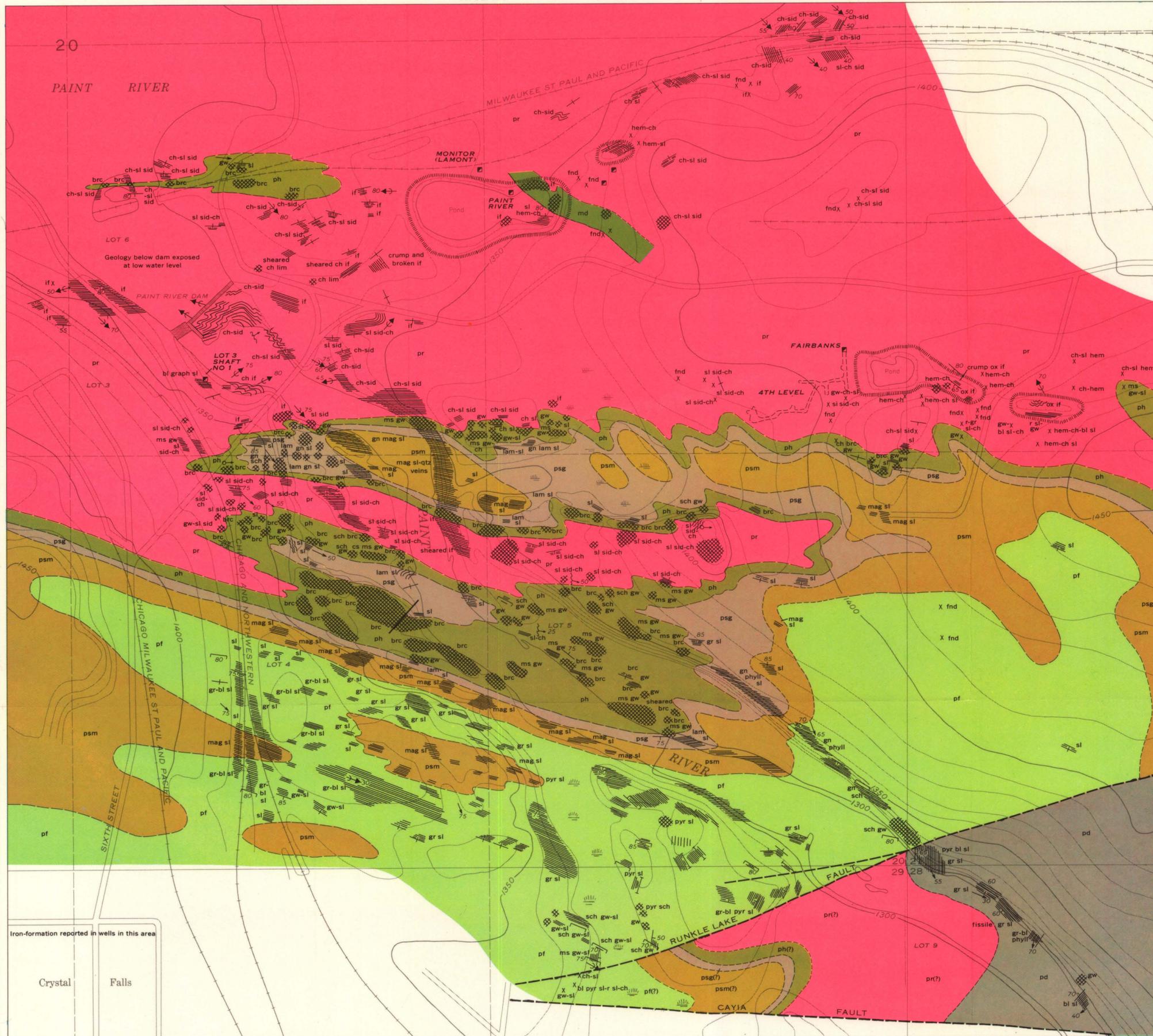


R. 32 W.



EXPLANATION

- md  
Metadiabase
- pf  
Fortune Lakes Slate  
*Fissile dark-gray slate and light-gray siltstone; coarse graywacke interbedded with slate in upper part of exposed section*
- psm  
psq  
Stambaugh Formation  
*psm, fissile magnetic slate containing blocky mudstone and porcelanite layers*  
*psq, fissile laminated green nonmagnetic slate*
- ph  
Hiawatha Graywacke  
*Medium- to coarse-grained graywacke, grading vertically and laterally into breccia of chert fragments in graywacke matrix*
- pr  
Riverton Iron-Formation  
*Mainly thin bedded chert and siderite where unoxidized; locally contains partings and layers of black slate and layers of stibnomelane*
- pd  
Dunn Creek Slate  
*Gray and black slate and phyllite, graphitic and pyritic in upper part*

Annikie Series  
Paint River Group

PRECAMBRIAN

- Outcrop of bedded rock
- Outcrop of massive rock
- Contact  
*Dashed where approximately located; short dashed where inferred*
- Fault  
*Dashed where approximately located*
- Strike and dip of beds
- Strike of vertical beds
- Strike and dip of cleavage
- Strike of vertical cleavage
- Bearing and plunge of lineation in slate
- Trend of stretched pebbles
- Anticline Syncline Drag fold
- Trend and plunge of axes of minor folds

ABBREVIATIONS

- |                              |                             |
|------------------------------|-----------------------------|
| bl, black                    | if, iron-formation          |
| brc, breccia                 | lam, laminated              |
| ch, chert or cherty          | lim, limonite               |
| crump, crumpled              | mag, magnetic               |
| cs, coarse                   | ms, massive                 |
| fd, formation not determined | ox, oxidized                |
| gn, green                    | phyl, phyllite or phyllitic |
| gr, gray                     | pyr, pyritic                |
| graph, graphitic             | qtz, quartz                 |
| gw, graywacke                | r, red                      |
| hem, hematite                | sch, schistose              |
|                              | sid, siderite or sideritic  |
|                              | sl, slate or slaty          |

NOTE: Hyphen in rock description means either "containing", as in "gw-ch frags" (graywacke containing chert fragments) or "and", as in "gw-sl" (graywacke and slate)



Planetable base by J. R. Balsley, Jr., and F. J. Pettijohn, 1943

Geology from Pettijohn (1952, pl. 2)

GEOLOGIC MAP OF THE PAINT RIVER OUTCROP AREA  
IRON COUNTY, MICHIGAN



CONTOUR INTERVAL 10 FEET  
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1968—G66402