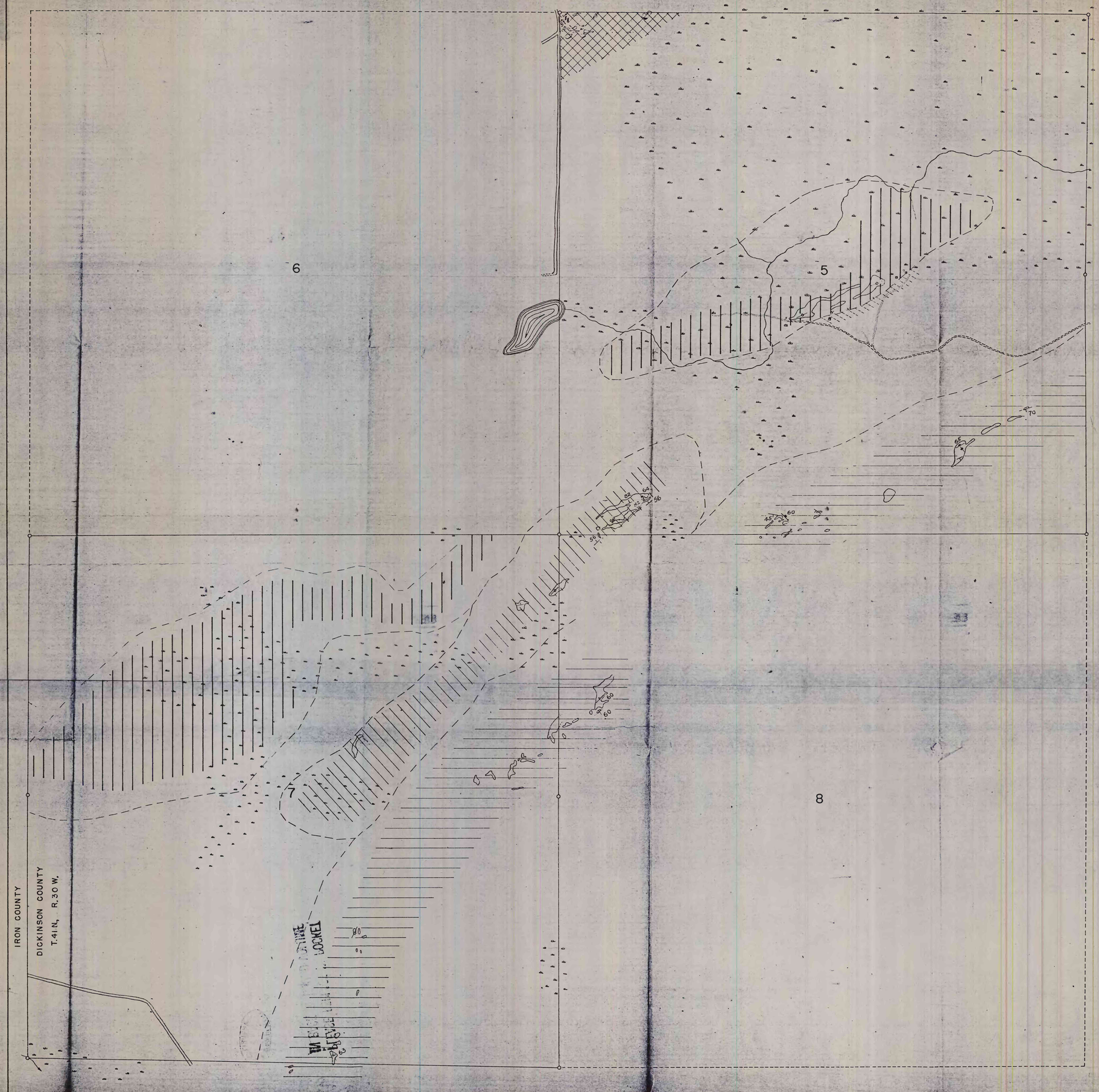
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED WITH THE COOPERATION OF THE
GEOLOGICAL SURVEY DIVISION, MICHIGAN DEPARTMENT OF CONSERVATION

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP PLATE I

46-26



EXPLANATION

SEDIMENTARY AND METAMORPHIC ROCKS

PRE-CAMBRIAN

MIDDLE HURONIAN (?)

- Exposed / Inferred — Iron-formation
- Exposed / Inferred — Mica-garnet-gruenerite schist; includes some hornblendic rock

LOWER HURONIAN (?)

- Exposed / Inferred — Quartzite

INDEFINITE

- Inferred — Slate; contains some quartzitic layers and quartz grains

IGNEOUS ROCKS

INDEFINITE

- Exposed / Inferred — Granite; includes granite gneiss and pegmatite
- Exposed — Hornblende and biotite schist and gneiss associated with granite

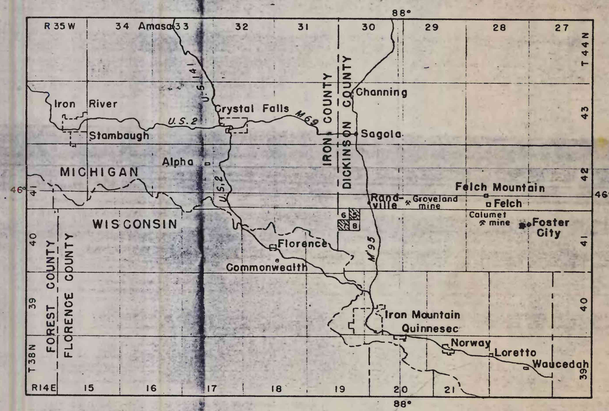
MISCELLANEOUS SYMBOLS

STRIKE AND DIP OF BEDS

- 75 — Inclined
- Vertical
- 60 — Overturned

STRIKE AND DIP OF JOINTS

- 64 — Inclined
- Vertical
- Closely spaced fractures
- 57 — Strike and dip of banding
- Shaft
- × Test pit
- Marsh, fresh
- Probable outline of inferred rocks



INDEX MAP
Scale
10 0 10 20 miles

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY GEOLOGIC MAP OF AN AREA SOUTHWEST OF RANDVILLE, DICKINSON COUNTY, MICHIGAN

N
MAGNETIC NORTH
5° TRUE NORTH

Scale
500 0 500 1000 feet

C. A. Lamey — July - September, 1945
G. E. Siple — July - August, 1945
A. F. Trites — August - September, 1945