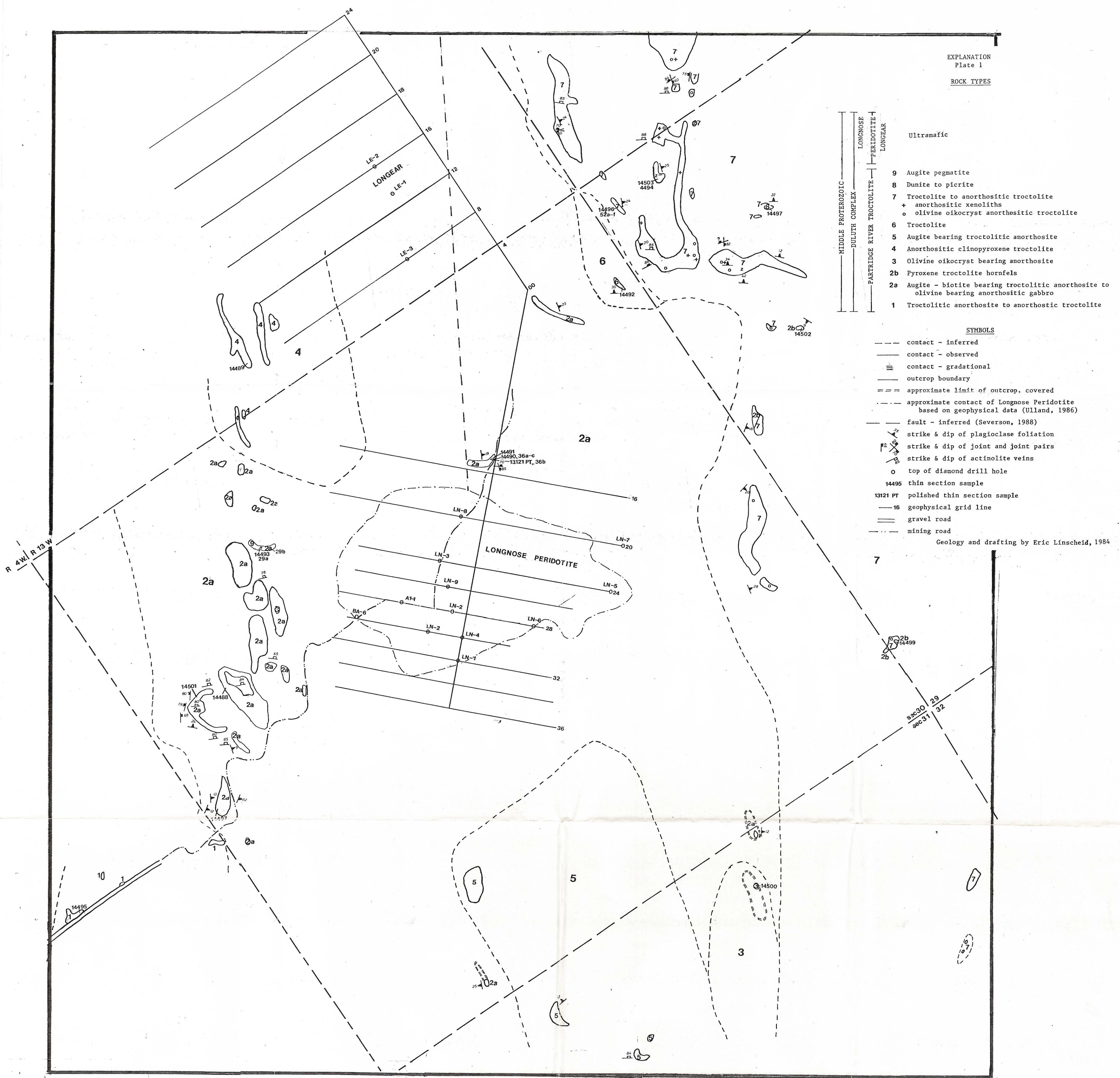


PLATE 1

# GEOLOGIC MAP OF PART OF THE BABBITT-HOYT LAKES AREA, NE MINNESOTA



EXPLANATION  
Plate 1

ROCK TYPES

- |   |   |
|---|---|
| <p>MIDDLE PROTEROZOIC<br/>DULUTH COMPLEX<br/>LONGNOSE PERIDOTITE<br/>PARTRIDGE RIVER TROCTOLITE<br/>LONGEAR</p> | <p>Ultramafic</p> <p>9 Augite pegmatite</p> <p>8 Dumite to picrite</p> <p>7 Troctolite to anorthositic troctolite<br/>+ anorthositic xenoliths<br/>o olivine oikocryst anorthositic troctolite</p> <p>6 Troctolite</p> <p>5 Augite bearing troctolitic anorthosite</p> <p>4 Anorthositic clinopyroxene troctolite</p> <p>3 Olivine oikocryst bearing anorthosite</p> <p>2b Pyroxene troctolite hornfels</p> <p>2a Augite - biotite bearing troctolitic anorthosite to<br/>olivine bearing anorthositic gabbro</p> <p>1 Troctolitic anorthosite to anorthositic troctolite</p> |
|---|---|

SYMBOLS

- contact - inferred
- contact - observed
- ≡ contact - gradational
- outcrop boundary
- approximate limit of outcrop, covered
- - - approximate contact of Longnose Peridotite based on geophysical data (Ulland, 1986)
- - - fault - inferred (Severson, 1988)
- ↗ strike & dip of plagioclase foliation
- ↘ strike & dip of joint and joint pairs
- ↖ strike & dip of actinolite veins
- o top of diamond drill hole
- 14495 thin section sample
- 13121 PT polished thin section sample
- 16 geophysical grid line
- gravel road
- mining road

Geology and drafting by Eric Linscheid, 1984

