UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
MINNESOTA ENVIRONMENTAL QUALITY COUNCIL

WATER RESOURCES INVESTIGATION 78–51
OPEN–FILE REPORT
PLATE 1

SCALE 1:125 000

2 0 2 4 MILES

2 0 2 4 KILOMETERS

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

Physiography by P. G. Olcott, 1976

EXPLANATION

PHYSIOGRAPHIC AREAS

- A Shallow bedrock—moraine area
- B Drumlin—bog area
- C Embarrass—Dunka Rivers sand plain area
- D Outwash—moraine complex area
- E Embarrass Mountains—taconite mining area
- F Seven Beaver—Sand Lake wetland area
- G Aurora—Marka till plain area

Boundary of physiographic area

Study area boundary

Study area boundary bordering the Boundary Waters Canoe Area

Lower contact and western most extent of the Duluth Complex

Base from U. S. Geological Survey
1:24,000 and 1:62,500 quadrangles

PLATE 1.--PHYSIOGRAPHY OF THE COPPER–NICKEL REGION, NORTHEASTERN MINNESOTA