GEOLOGY OF THE VICINITY OF THE HELEN MINE, WAWA, ONT.

EXPLAINATION

7	Gabbroic Dikes
7a	Quartz bearing gabbro
7b	Quartz bearing pyroxene hornblende gabbro
7c	Fresh quartz pyroxene hornblende gabbro
7d	Quartz bearing biotite pyroxene diabase
IF	Helen Iron Formation
1	Dome and/or Lava Flow Rhyolites
1a	Massive rhyolites
1b	Flow laminated rhyolites
1c	Spherulitic rhyolites
2a	Block and Ash Pyroclastic Breccias
2b	Lapilli Tuffs
3f	Plagioclase-phyric Tuffs
3q	Quartz-phyric Tuffs
3j	Pumice bearing Lapilli Tuffs
4	Laminated Rhyolite Tuffs (Hyalotuffs)
5	Bedded Rhyolite Lapilli Tuffs
6a	Massive Andesitic Lava Flows
6b	Andesitic Pillow Breccia
$6c_a$	Andesitic Block, Lapilli, and Ash Pyroclastic Breccia
$6c_b$	Andesitic Lapilli and Ash Pyroclastic Breccia
6d	Massive Intensely Altered Andesite Lava Flow

Talbot Lake

Moran Lake

Wawa Lake

Wawa Townsite

SYMBOLS

- Roads
- Railroads
- Geologic Contact Observed
- Geologic Contact Inferred
- Geologic Contact Projected
- Limits of Alteration Pipe
- Shear Zones
- Joints showing Dip Direction
- Cleavage showing Dip Direction
- Bedding showing Top Direction
- 1-25 ■ Whole Rock and Trace Element Analysis Sample Location
- 26-32 ■ Whole Rock analysis Sample Location
- ● Thin Section Sample Location
- Caved Area
- Mine Shaft
- Outcrop

Sources of Information:

Rupert, R.J., 1975: McMurray Township and parts of surrounding townships. District of Algoma; Ont.Div. Mines, Prelim. Map P.828, Geol. Ser., Scale 1 inch = 1 mile. Compilation 1970-1972.

Hunter, A.D., 1981: 1mile scale compilation map of the geology of the Wawa area, Michipicoten District, Ont.; Algoma Exploration LTD unpub. map.

Field mapping done on mylar overlays to 1 inch =400 foot blowups of 1 inch = 1 mile airphotos by Mark Osterberg, 1980

1 inch = 400 feet

400 0 400 800 1200

FIGURE 3