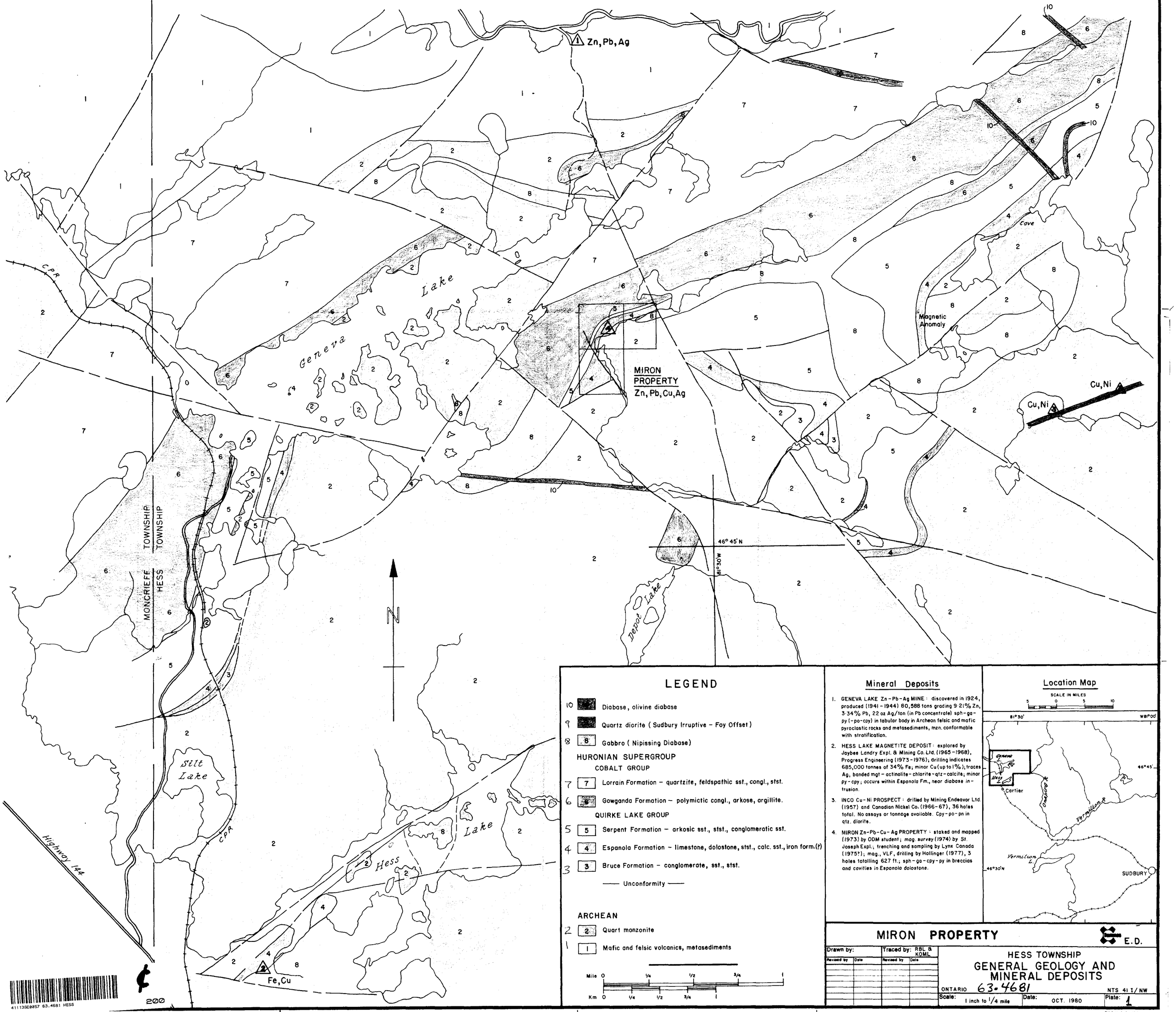
Report of Maps Only



LEGEND

- 10 — Diabase, olivine diabase
- 9 — Quartz diorite (Sudbury Irruptive – Foy Offset)
- 8 — Gabbro (Nipissing Diabase)

HURONIAN SUPERGROUP

COBALT GROUP

- 7 — Lorrain Formation – quartzite, feldspathic sst., congl., stst.
- 6 — Gowganda Formation – polymictic congl., arkose, argillite.

QUIRKE LAKE GROUP

- 5 — Serpent Formation – arkosic sst., stst., conglomeratic sst.
- 4 — Espanola Formation – limestone, dolostone, stst., calc. sst., iron form.(?)
- 3 — Bruce Formation – conglomerate, sst., stst.

—— Unconformity ——

ARCHEAN

- 2 — Quart monzonite
- 1 — Mafic and felsic volcanics, metasediments

Mile 0 1/4 1/2 3/4 1
Km 0 1/4 1/2 3/4 1

Mineral Deposits

1. GENEVA LAKE Zn-Pb-Ag MINE : discovered in 1924, produced (1941-1944) 80,588 tons grading 9.21% Zn, 3.34% Pb, 22 oz Ag/ton (in Pb concentrate) sph-ga-py (-po-cpy) in tabular body in Archean felsic and mafic pyroclastic rocks and metasediments, mzn. conformable with stratification.
2. HESS LAKE MAGNETITE DEPOSIT : explored by Jaybee Landry Expl. & Mining Co. Ltd. (1965-1968), Progress Engineering (1973-1976); drilling indicates 685,000 tonnes of 34% Fe; minor Cu (up to 1%); traces Ag, banded mgt – actinolite – chlorite – qtz – calcite; minor py-cpy; occurs within Espanola Fm., near diabase intrusion.
3. INCO Cu-Ni PROSPECT : drilled by Mining Endeavor Ltd. (1957) and Canadian Nickel Co. (1966-67), 36 holes total. No assays or tonnage available. Cpy-po-pn in qtz. diorite.
4. MIRON Zn-Pb-Cu-Ag PROPERTY : staked and mapped (1973) by ODM student; mag. survey (1974) by St. Joseph Expl.; trenching and sampling by Lynx Canada (1975?); mag., VLF, drilling by Hollinger (1977), 3 holes totalling 627 ft.; sph-ga-cpy-py in breccias and cavities in Espanola dolostone.

Location Map

MIRON PROPERTY

E.D.

Drawn by:		Traced by: RBL & KOML	
Revised by	Date	Revised by	Date

HESS TOWNSHIP
GENERAL GEOLOGY AND MINERAL DEPOSITS

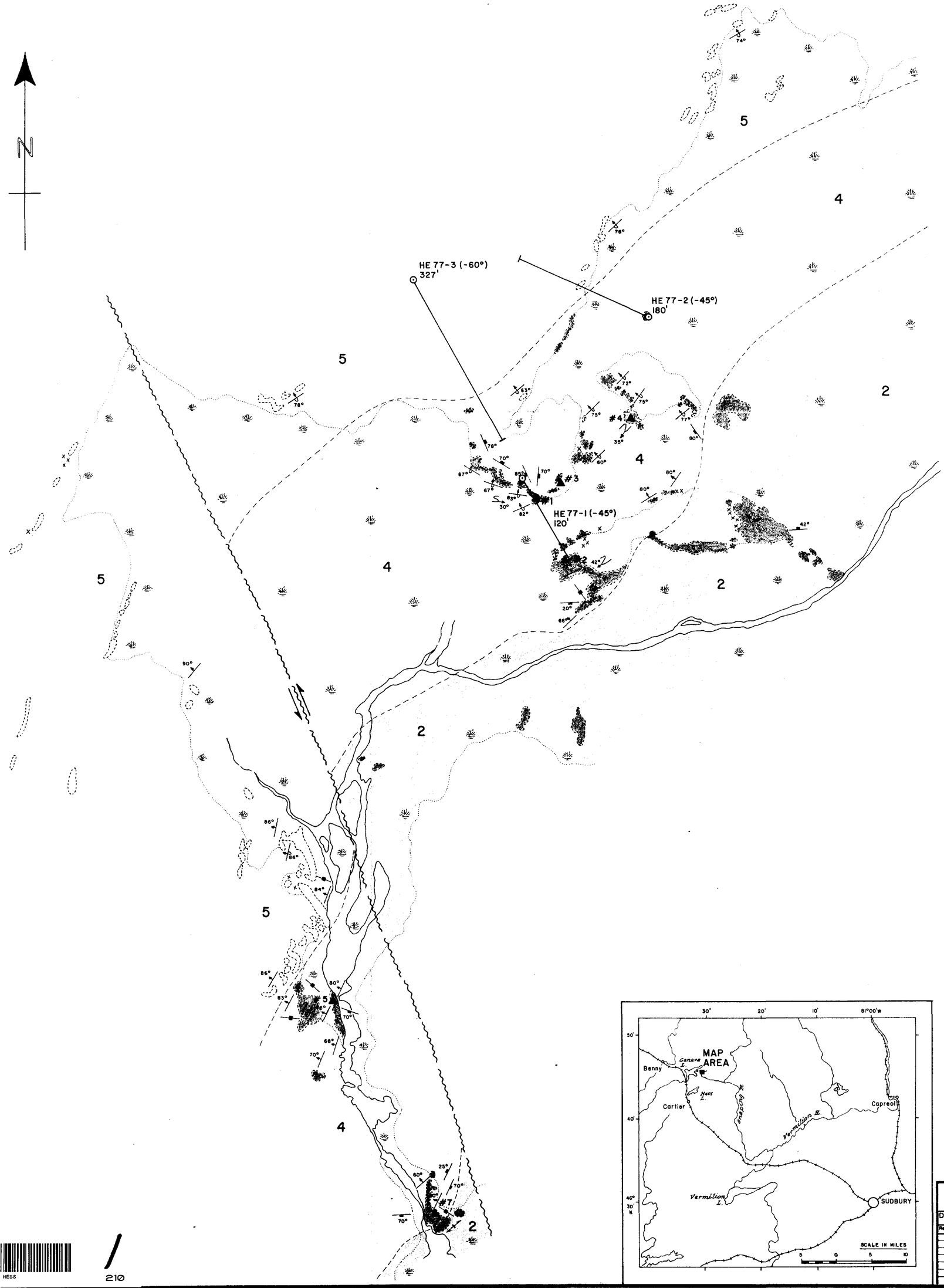
ONTARIO 63-4681 NTS 41 I/NW

Scale: 1 inch to 1/4 mile | Date: OCT. 1980 | Plate: 1

FORM 210-K6

41113SE0057 63.4681 HESS

200



LEGEND

PROTEROZOIC (APHEBIAN)

HURONIAN SUPERGROUP

QUIRKE LAKE GROUP

SERPENT FORMATION

5 — Pebbly sandstone, arkosic sst. and grit, calcareous siltstone and argillite

ESPANOLA FORMATION

4 — Laminated dolostone, silty dolostone

ARCHEAN

CARTIER GRANITE

2 — Pink monzonite, quartz monzonite, granite

SYMBOLS

- Area of outcrop, small outcrop
- Bedding, top indicated by arrow (inclined, overturned)
- Foliation (vertical)
- Jointing (inclined, vertical)
- Geological boundary (observed, assumed)
- Fault (position assumed)
- Drag folds, with plunge (S-type, Z-type)
- Breccia
- #2 Sulphide occurrences (trenches)
- Meadow
- Boundary between meadow and high, wooded ground
- Diamond Drill Hole (Hollinger, 1977)

SELECTED ASSAYS – TRENCHES & DRILL HOLES

Trench #1 : 10·6% Zn, 4·95% Pb, 0·97% Cu, 1·6 oz. Ag. over 15' (4·5m) (channel sample – OGS 1974; questionably high)

: 8·9% Pb, 3·7% Zn, 1·04% Cu, 1·1 oz. Ag. over 2' (0·6m) (chip sample – Lynx Canada 1975)

Trench #5 : 0·22% Pb, 0·20% Zn, 0·14 oz Ag. over 7' (2·1m) (chip sample – Lynx Canada 1975)

DDH HE77-1 : 40-45' – 1350 ppm Pb
60-62' – 1280 ppm Pb
62-65' – 0·37% Pb

DDH HE77-2 : 40-45' – 0·10% Pb, 4 ppm Ag
45-47' 0·16% Pb, 2 ppm Ag

DDH HE77-3 : 220-222' – 2·65% Pb, 0·4 oz Ag
269-270' – 0·66% Pb, 1·1% Zn, 0·12 oz Ag

SCALE — 1" = 50' or 1:600

FEET 50 0 50 100 150 200

METRES 10 0 10 20 30 40 50

MIRON PROPERTY

E.D.

GEOLOGY OF THE AREA OF THE SHOWINGS

Drawn by:		Traced by: KOML	
Revised by	Date	Revised by	Date

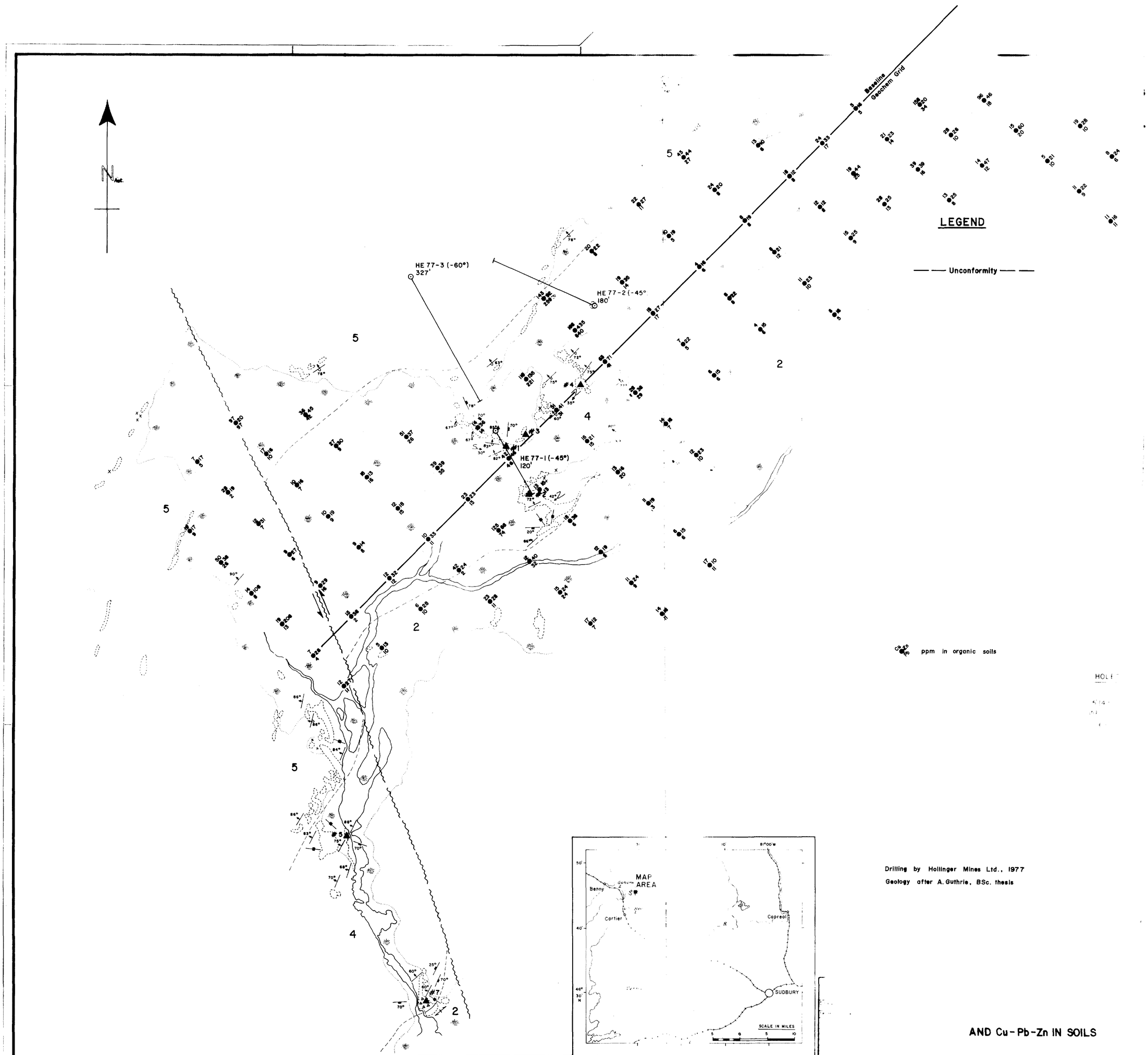
ONTARIO 63.4681 NTS 41 I-13

Scale: 1 inch to 50 feet | Date: OCT. 1980 | Plate: 2

FORM 210-K6

411135E0057 63.4681 HESS

210



Drilling by Hollinger Mines Ltd., 1977
Geology after A. Guthrie, BSc. thesis

AND Cu-Pb-Zn IN SOILS

63.4681