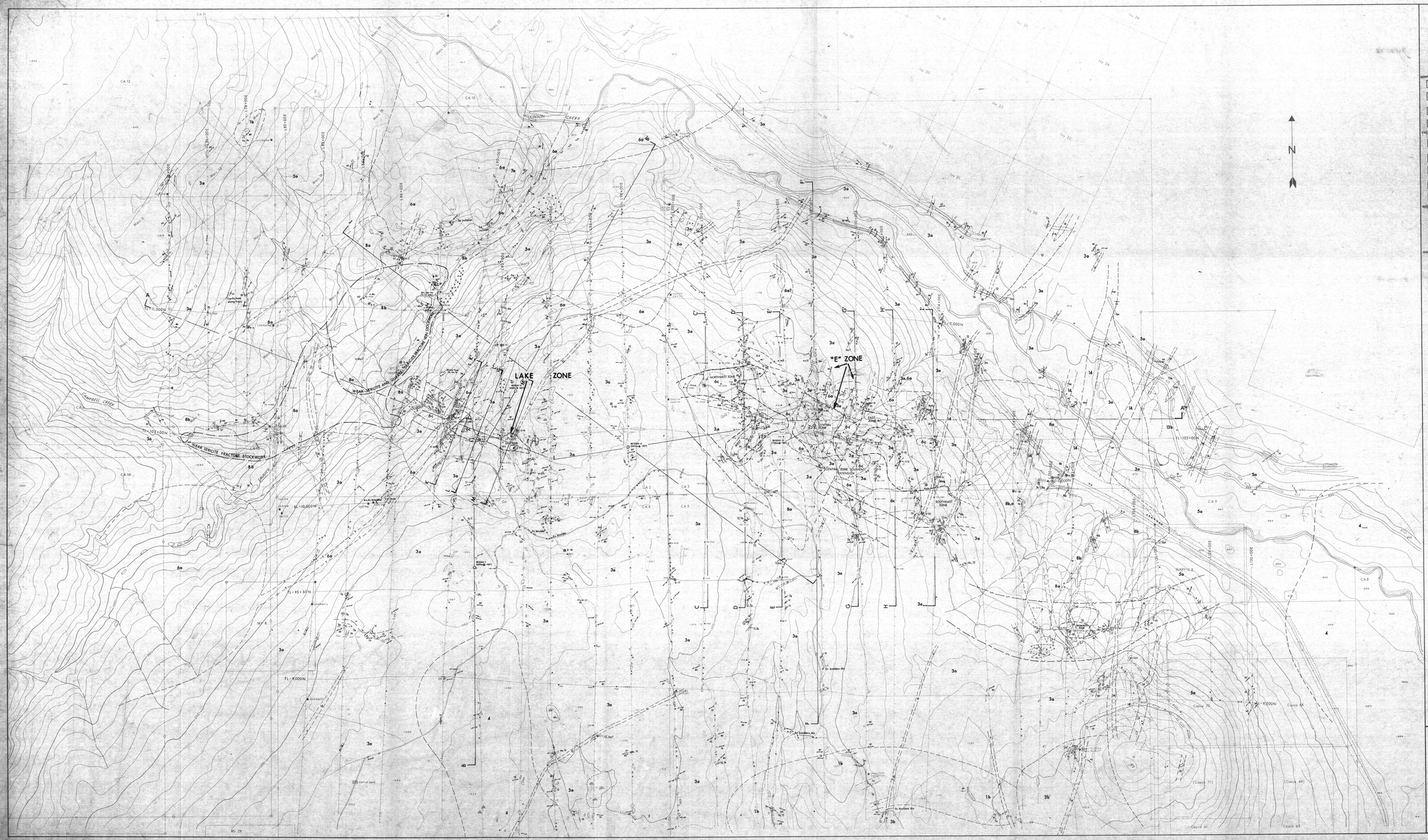

LEGEND
LITHOLOGY

NIPPLE MOUNTAIN VOLCANICS AND PERIDOTITE

- Lamprophyre Dykes
- 1b Volcanic Flows (a) Trachyte (b) Basalt (c) Dacite
- Dacite Dykes
- 1a Flows, Tuffs, Pyroxenite (a) Picrite (b) Intermediate-Mafic

VALHALLA INTRUSIONS
PHASE III

- Felsitic Porphyry Dykes

PHASE II

- Quartz Porphyry Dykes
- 8 Granodiorite-Quartz Monzonite (Mineral) (a) Porphyritic (b) Medium-grained

PHASE I

- Porphyritic Speckled Granodiorite Dykes (a) Quartz Mafic (b) High Mafic
- 8a Granodiorite-Quartz Monzonite
- 4b Speckled Biotite Granodiorite Pseudo Breccia
- 4a Biotite Zones
- Aplite Dykes
- Quartz Veins

NELSON INTRUSIONS

- 3 Mesotite Diorite (a) Porphyritic (b) Medium-grained
- 2 Mesotite Hornblende – Biotite Granodiorite
- 2 Foliated (a) Hornblende – Biotite Diorite to Quartz Diorite (b) Biotite Granodiorite (c) Gneiss

ANARCHIST GROUP

- 2 Metasediments (a) Siltstone, Greywacke, Mudstone (b) Limestone
- 1 Metatrachyte (a) Felsic Tuffs, Flows, T. Shelf (b) Intermediate-Mafic Tuffs, Flows

SYMBOLS

- Outcrop Area
- Angular Rubble Float or Very Minor Outcrop
- 3a, 1b Polygonal Rock Floes, Minor Rock Float
- Geologic Contact (Defined, Approximate)
- Bedding Inclined With Dip, Vertical
- Foliation Inclined With Dip, Vertical
- Fracture Set Inclined With Dip, Vertical
- Jointing Inclined With Dip, Vertical
- Shear Jointing Inclined With Dip, Vertical
- Shear or Fault Zone Inclined With Dip, Vertical
- Inferred or Projected Fault
- Inferred Outline of Major Shear Zone
- Half-Quartz Vein or Vein Set Inclined With Dip, Vertical
- Dyke Attitude Inclined With Dip, Vertical
- Fold With Plunge
- Site of Magnetic Mafic Within Fracture Zones Dip, Unit 6a or 6b
- Surface Projection of Specified Biotite Granodiorite Pseudo Breccia Unit 4b
- CENTRAL ZONE Drill Indicated Mineralization Zones (Incl. Mo. Mo/Mo=30 %, Grading 2 0.05% Mo-Eq)
- Note: 6 Zones, Shown Zones Referred to Surface with Top of Zone 6, 100 Feet Then adjusted Above for Porfy D1, 1b, P1, 6b and 4b
- Lake Zone: Surface Trace of Breccia Shading Zone
- Whole Rock and Trace Element Sample Site (Mafic Tuff, 1 Bit to B2 Inflation)
- A-A' Geology Section
- Trench
- Bi Biotite
- Mo Molybdenite
- Py Pyrite
- Po Pyrrhotite
- Mag Magnetite
- MAIN ACCESS ROAD
- SECONDARY DRILL OR LOGGING ACCESS ROAD
- RAILWAY RIGHT OF WAY
- OPEN AREA
- SWAMP
- CLAIM BOUNDARY (SOLID LINE INDICATES FIRST STAKING)
- CLAIM POST (LOCATED, NOT LOCATED)
- CA 3 B.C. CLAIM POST IDENTIFICATION (EXAMPLE)
- LCP LEGAL CORNER POST
- CP UNIDENTIFIED CLAIM POST
- DOE CA. 01 CLAIM NAME
- D 27 – DIAMOND DRILL HOLE WITH IDENTIFICATION NUMBER
- P 27 – PERCUSSION DRILL HOLE
- 8000N-1 PROPOSED 1980 DIAMOND DRILL HOLE

SCALE 1:5,000

METRES 100 0 100 200 300 400 500
FEET 500 400 300 200 100 0 100 200 300 400 500

NORTH

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AUTHOR EMF/GWL	CARMI MOLYBDENUM PROJECT
DATE APRIL, 1980	
SCALE 1:5,000	GRID GEOLOGY
DRAWN BY: CONTOURS - ZONAL	
GEOLOGY BY: M.R.S.	
COMPILED BY:	
UNION OIL COMPANY OF CANADA LIMITED CALGARY	FIGURE 5a

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