

FIG. 4. The relationship of the Yulong porphyry copper deposit and the late Mesozoic subduction zone, the Zhontiaoshan porphyry copper deposit and the Precambrian subduction zone, and the Dexing porphyry copper deposit and the Jurassic subduction zone.

MAP 1500
TECTONIC ASSESSMENT
OF THE CANADIAN
AND ADJACENT PORTIONS OF THE
UNITED STATES

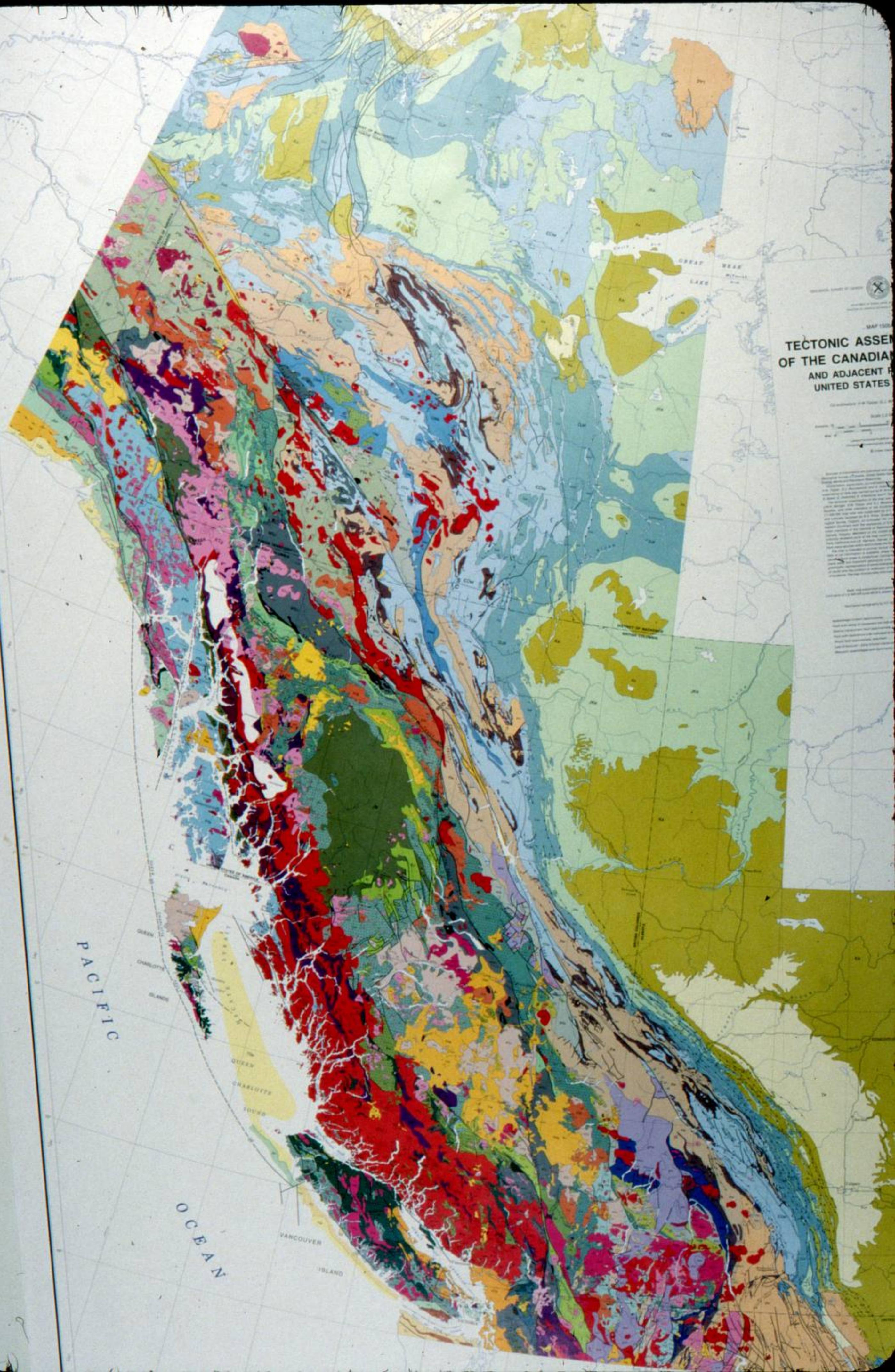
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PACIFIC

OCEAN

VANCOUVER

ISLAND



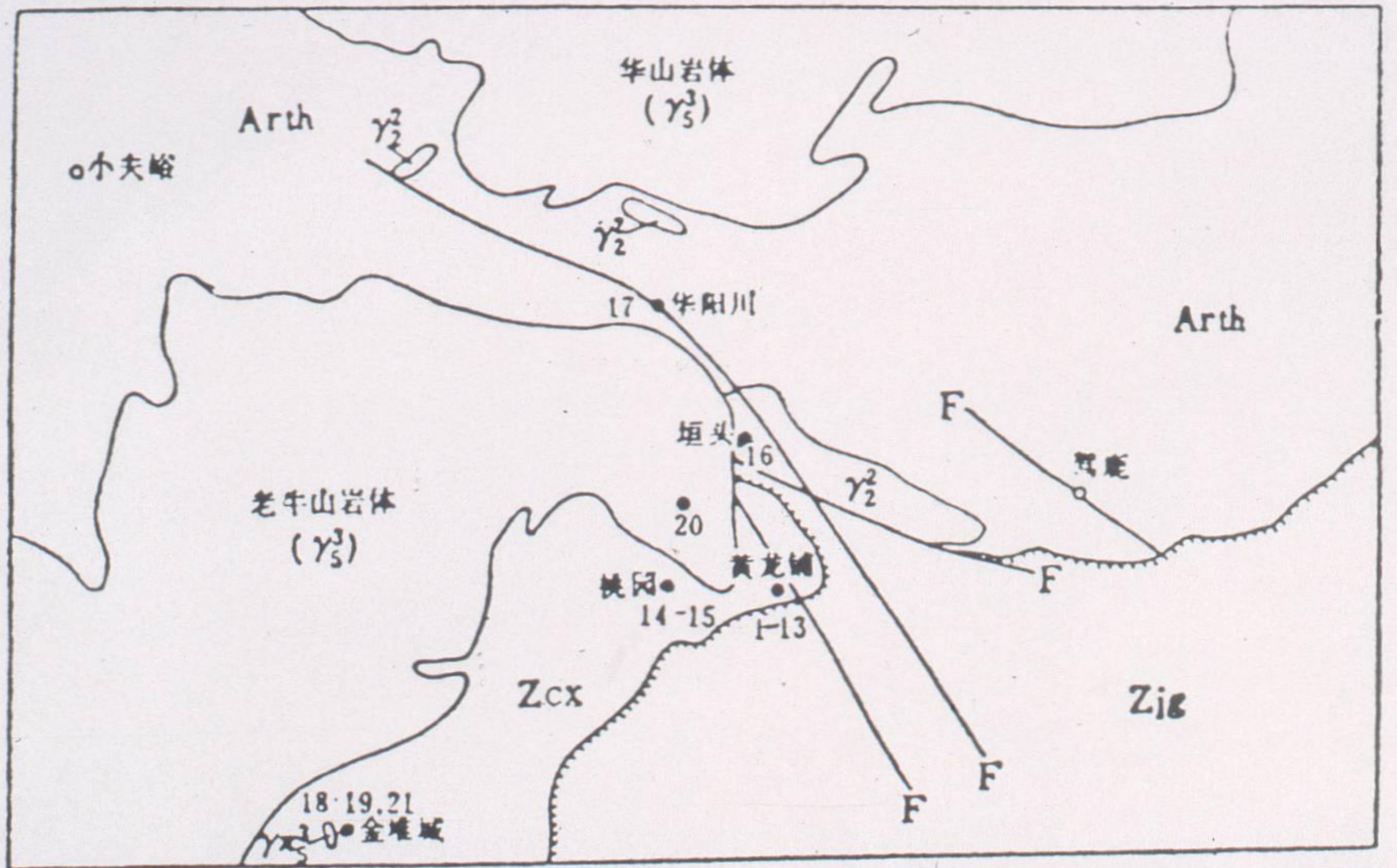
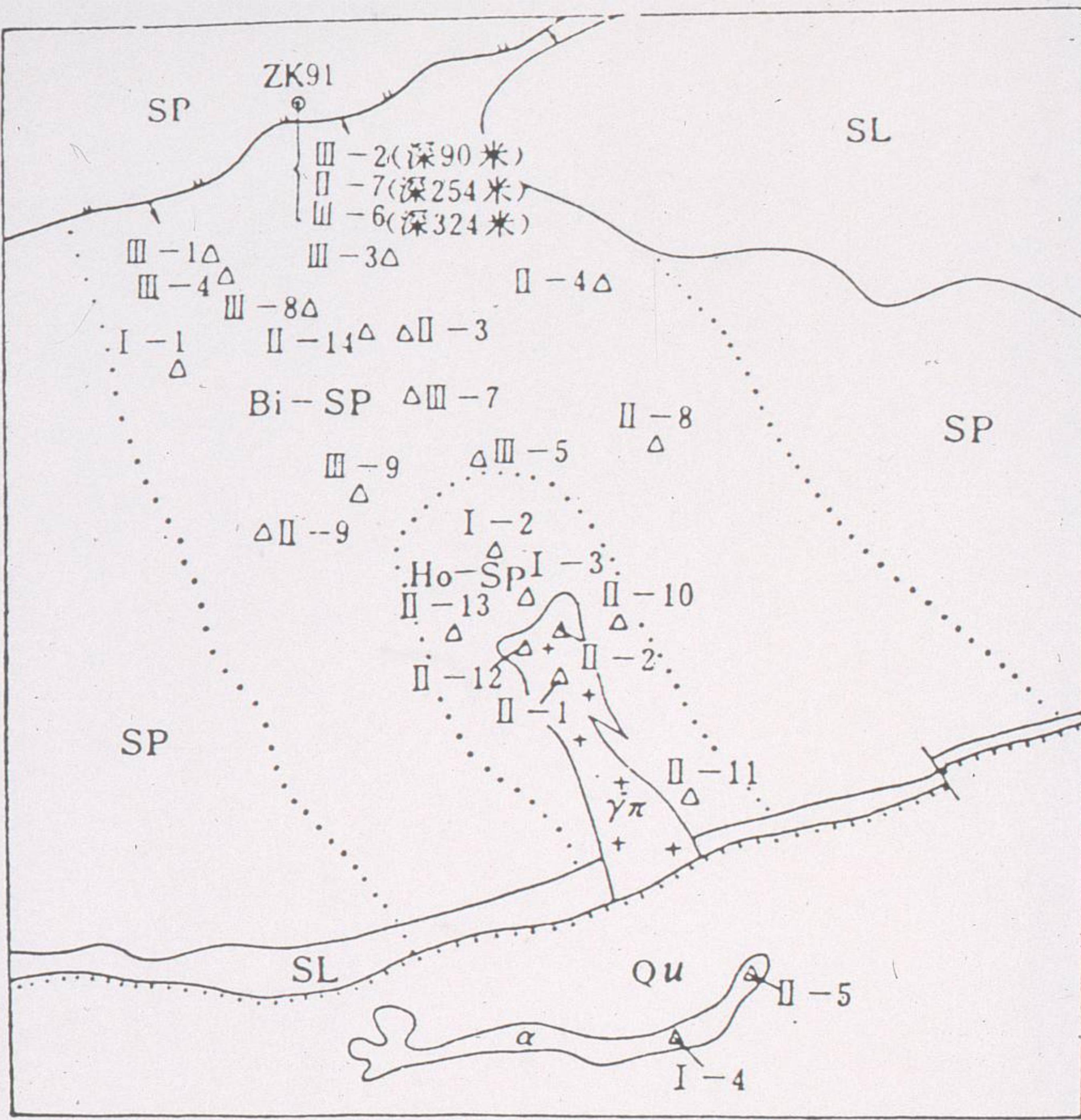


图 1 黄龙铺—金堆城地区地质示意图及铅同位素取样位置
Figure 1 Geological map of the Huanglongpu-Jinweicheng area and locations of Pb isotope sampling.



- | | | | | | |
|---------------|-------|------|---------|-----------|---------------------|
| Qu 1 | SL 2 | SP 3 | Bi-SP 4 | Ho-SP 5 | α 6 |
| $\gamma\pi$ 7 | ... 8 | 9 | 10 | o ZK91 11 | \triangle III- 12 |

图 2 金堆城斑岩钼矿床露天采场中的硫同位素样品分布示意
 Schematic map showing distribution of sulfur isotopic samples from the Jinduicheng porphyry type molybdenum deposit

2. 凝灰质板岩；3. 变细碧岩；4. 黑云母化细碧岩；5. 角岩化细碧岩；6. 8. 接触变质界线；9. 正断层；10. 不整合界线；11. 钻孔及编号；12. 采样点



FIG. 1. Location of the major copper deposits of China discussed in this paper.







1954
MINERAL DEPOSITS
OF
CANADA

Scale 1:2,000,000

Geological Regions
Geological Periods
Mineral Deposits
Mineral Types of Deposit
Mineral Size of Deposit
Mineral Depth of Deposit

MINERAL DEPOSITS
Geological Periods
Mineral Deposits
Mineral Types of Deposit
Mineral Size of Deposit
Mineral Depth of Deposit



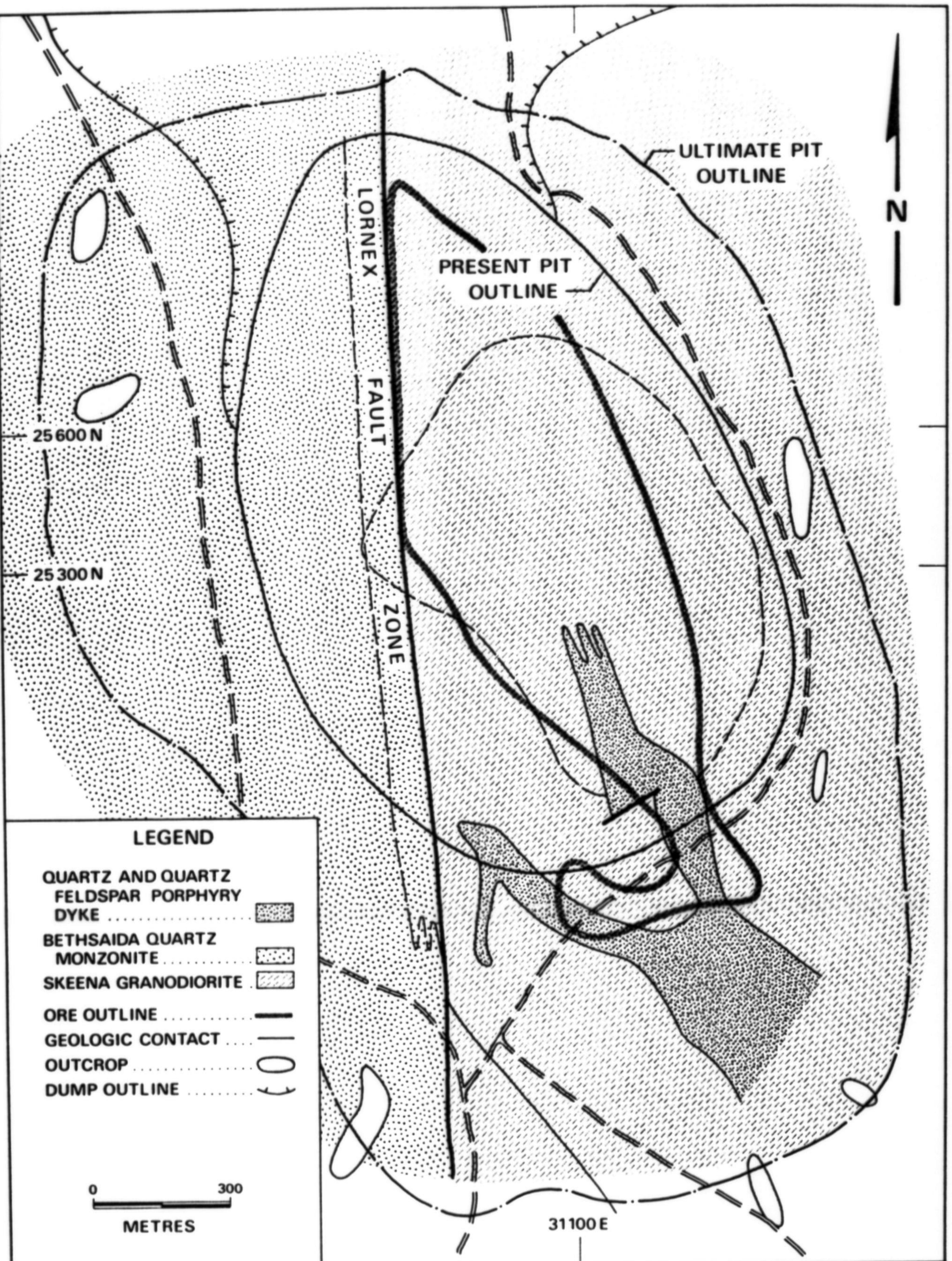


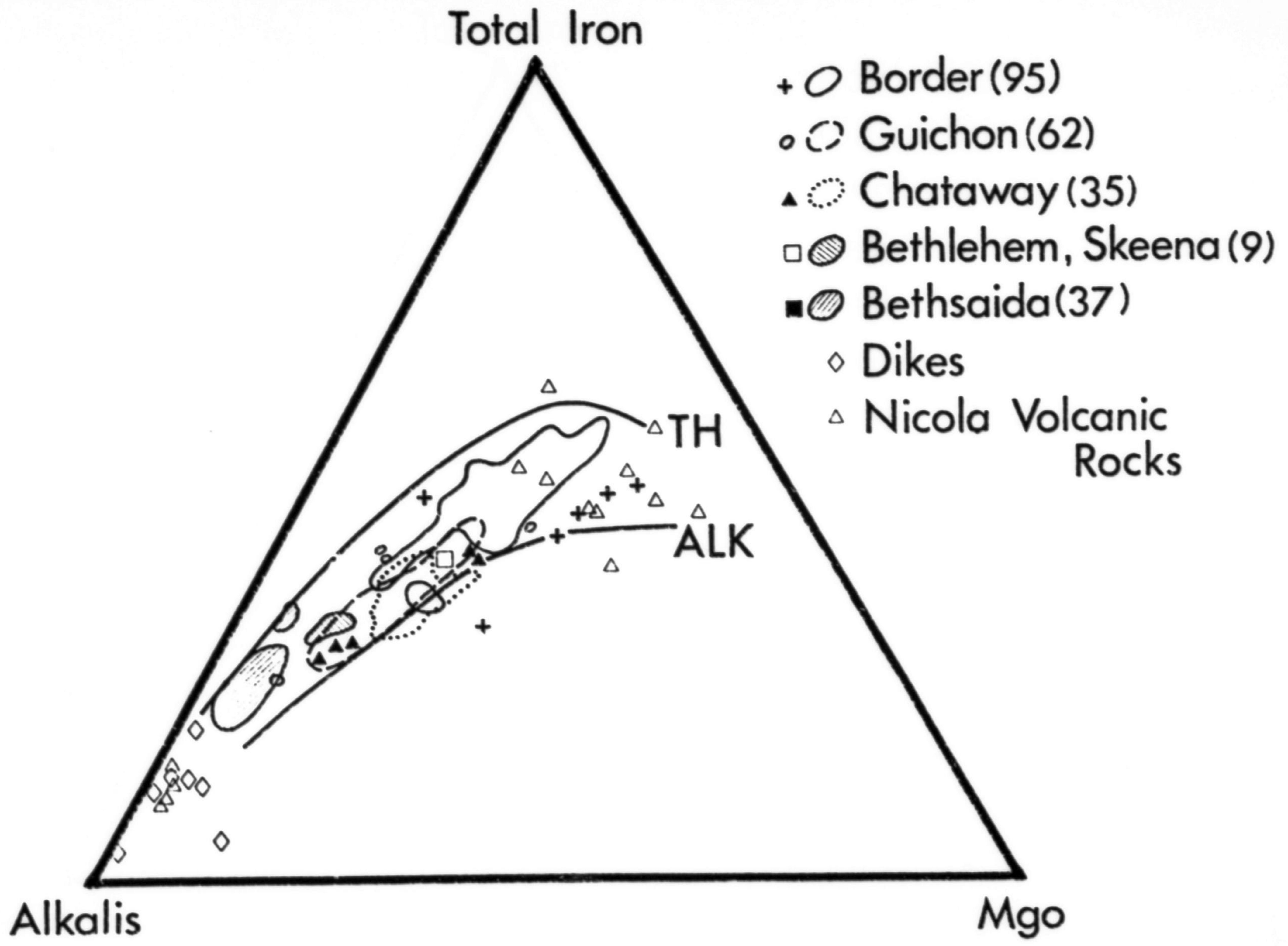
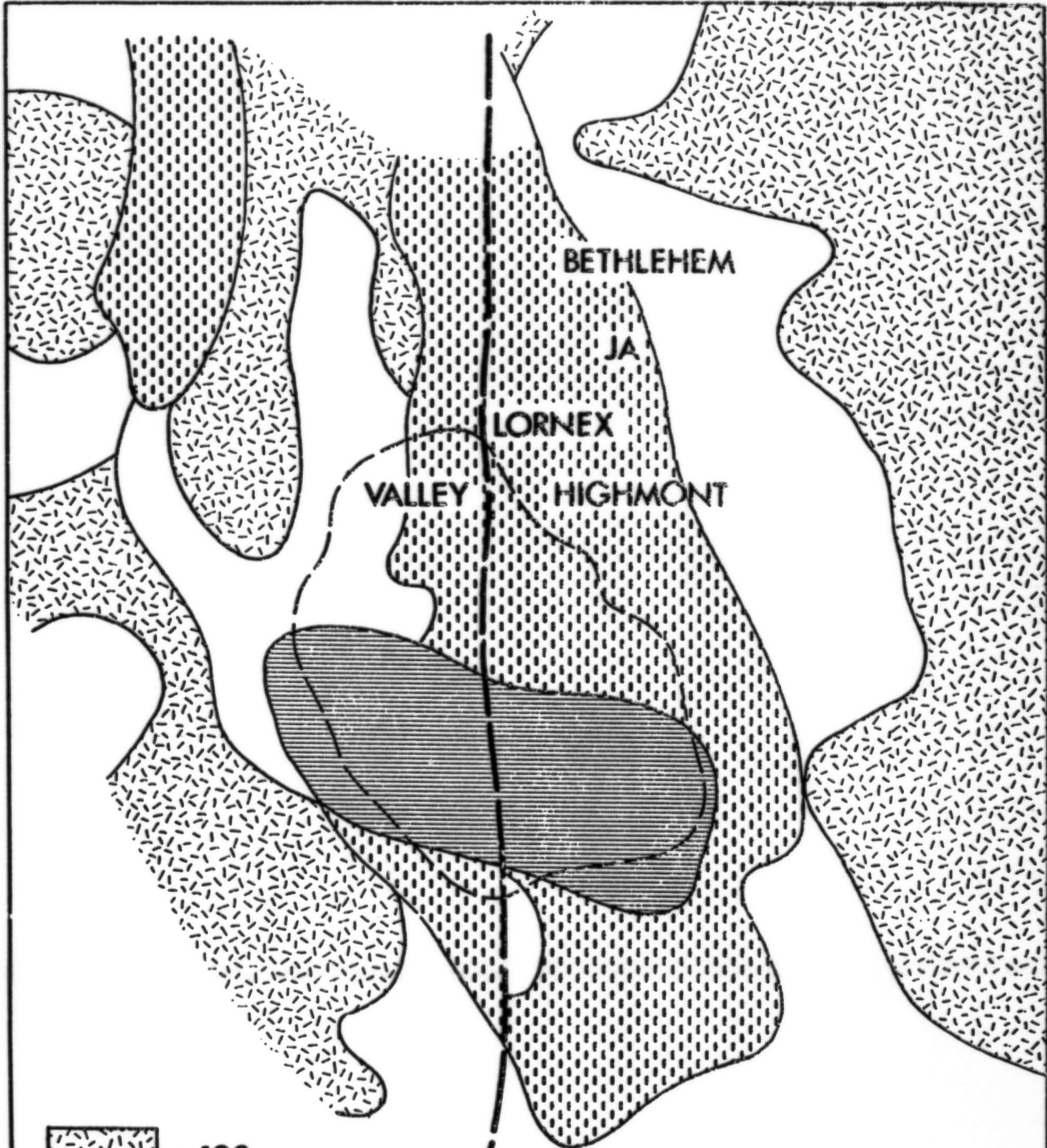


Figure 22. General geologic setting of the Lornex copper-molybdenum deposit (modified after Waldner, et al., 1976).









> 120

50 - 120

10 - 50

< 10

COPPER

KILOMETRES

0 5 10




FIGURE 1 — Geology of the Highmont property and locations of the seven known sulphide deposits.

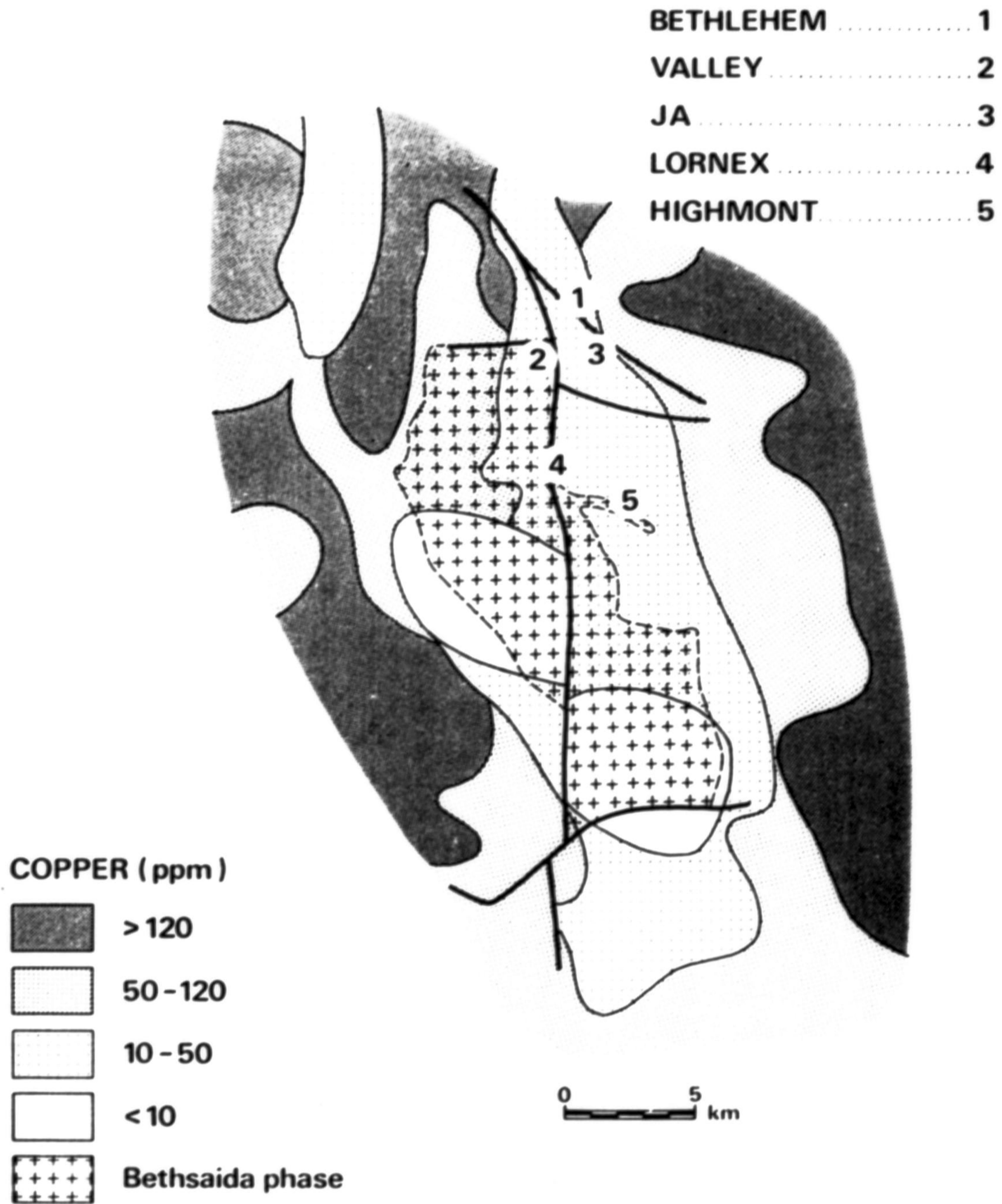


Figure 10. Simplified geological map of the Guichon Creek batholith showing copper abundances; strong depletion occurs in the Bethsaida phase south of the major ore deposits (modified after McMillan and Johan, 1981).

5261	2950	125	73	150	291	112
351	87	13	5			
194	100	130	153	微量	少量	
145	19	13				少量

表 14—2。

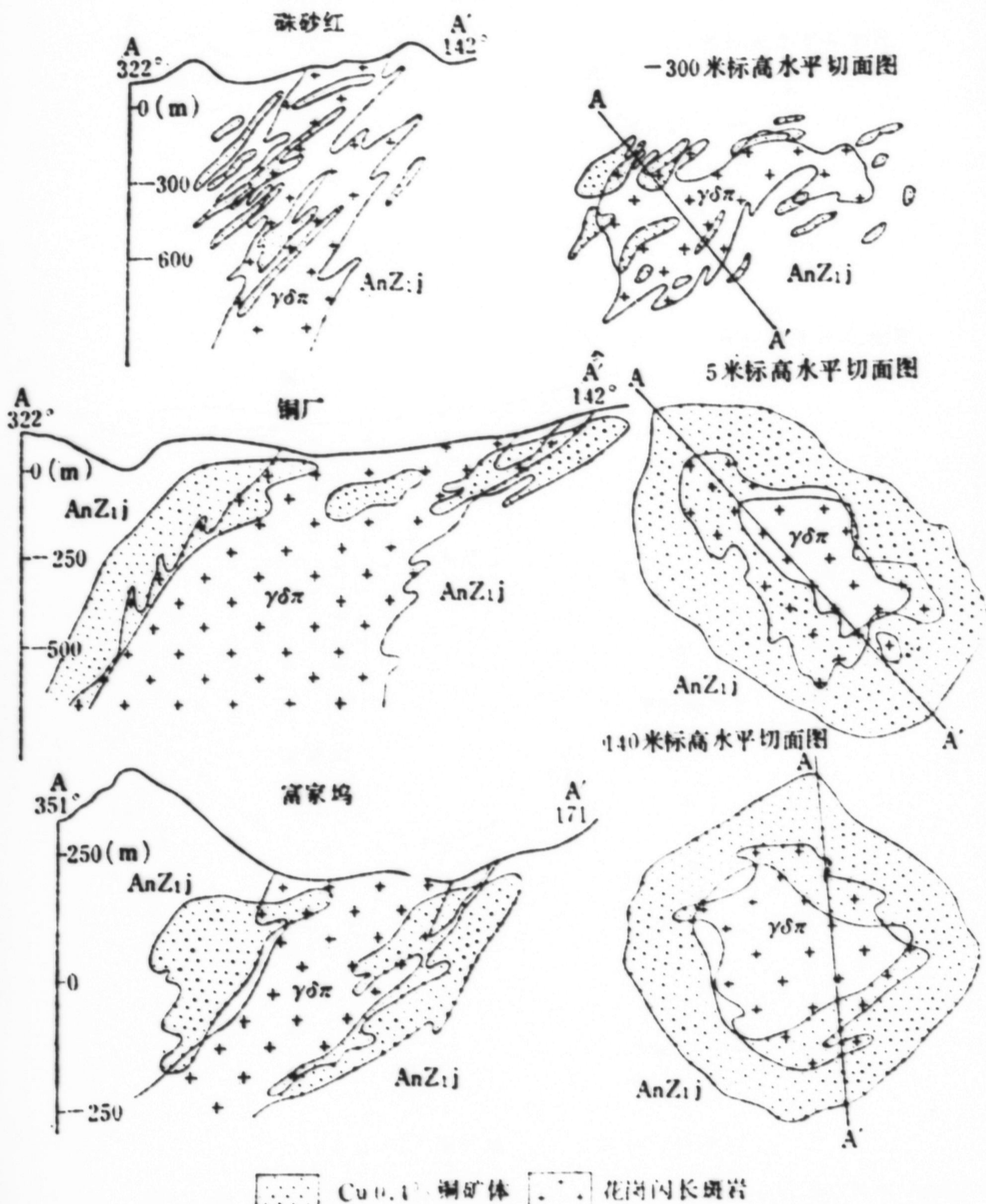


图 14—3 德兴斑岩铜(钼)矿矿田三个矿床的矿体形态和产状图解

■	Canadian Shield
□	Appalachian Region
▨	Great Lakes - St. Lawrence Lowlands
▨	Great Plains
▨	Western Mountain Region
▨	Hudson Bay Lowlands
▨	Arctic Islands


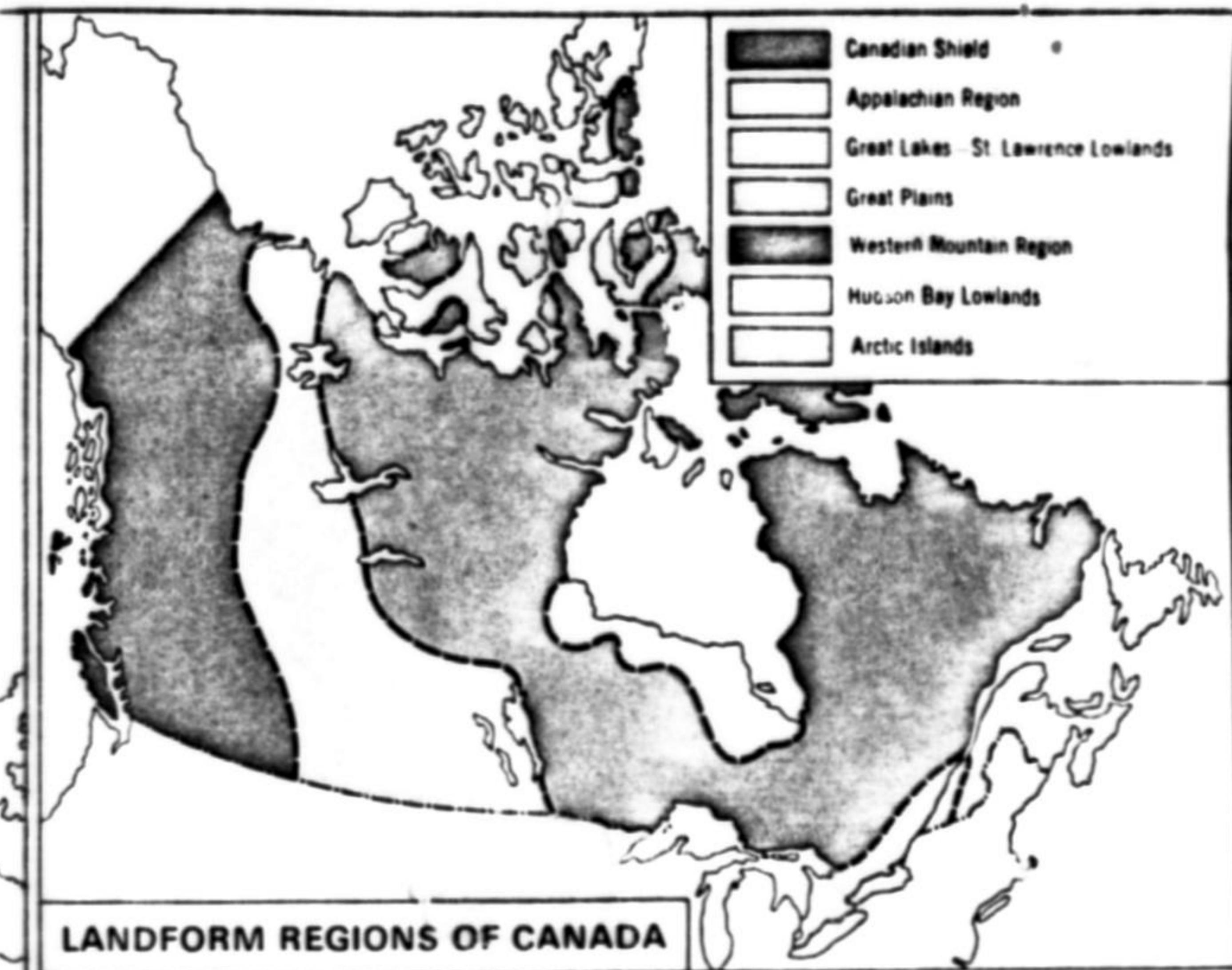
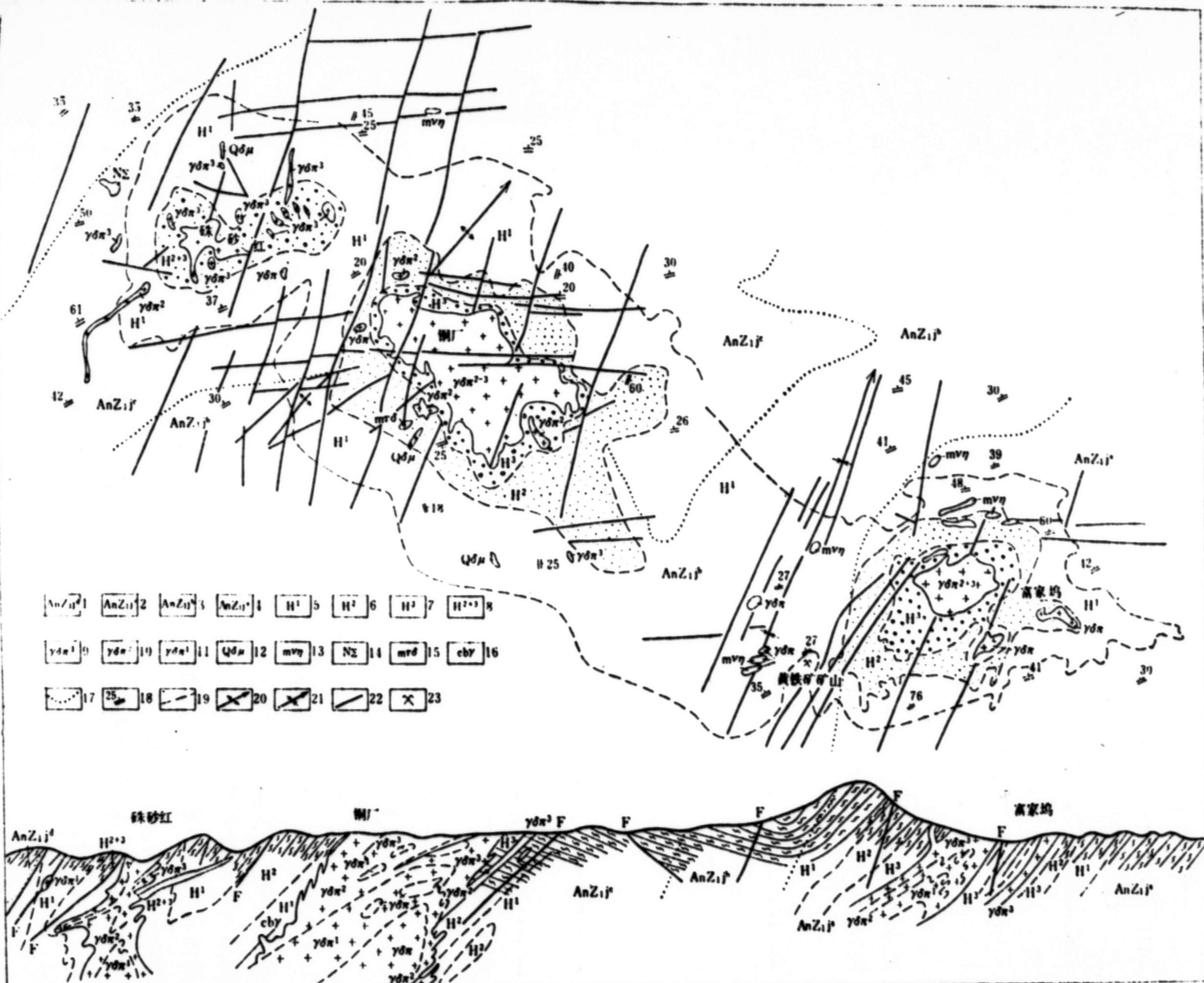


图 14—1 德兴斑岩铜
(钼) 矿田地质图

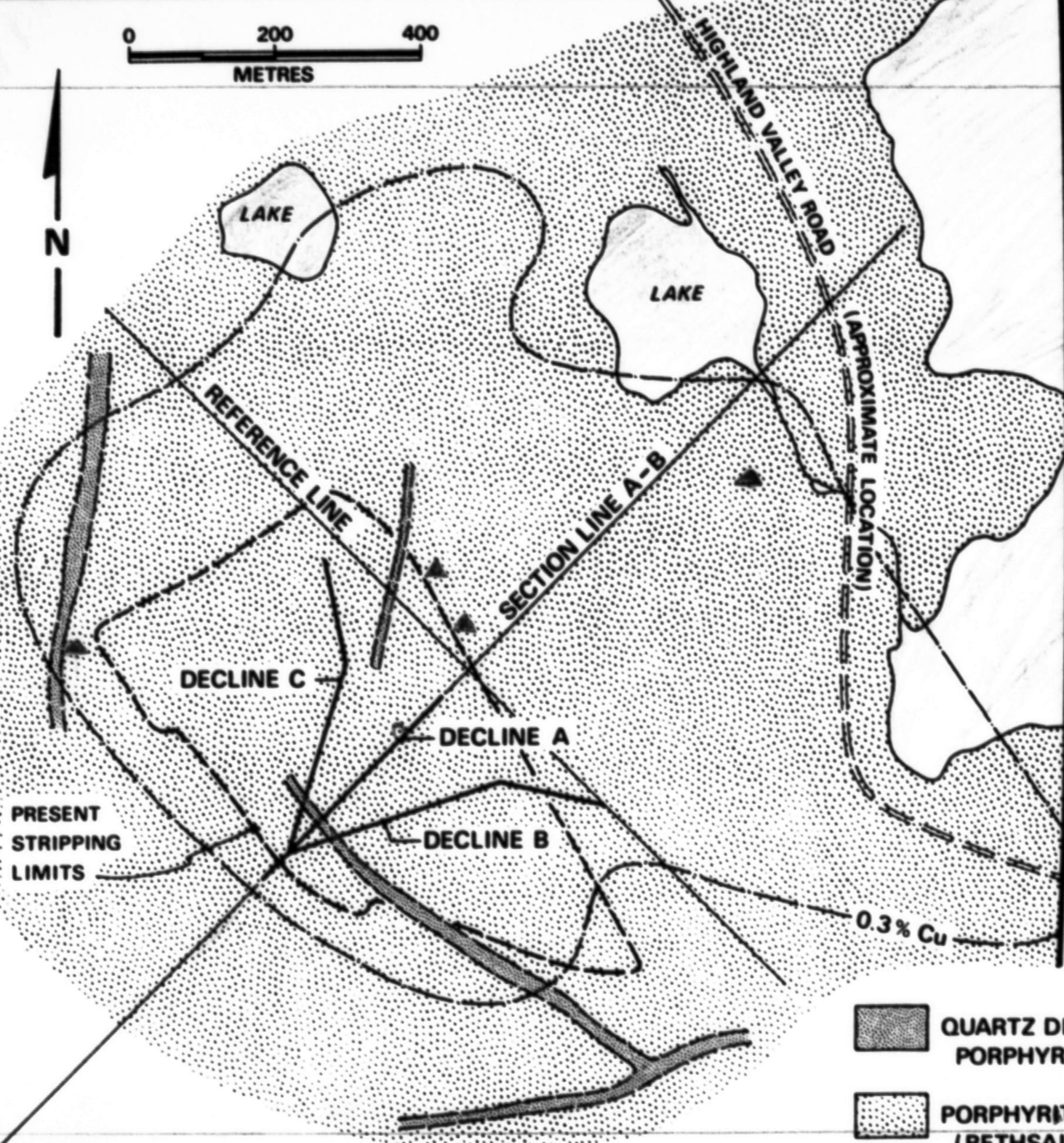
(据胡魁等资料编制)

- 1—前震旦系九都组第四岩性段；2—前震旦系九都组第三岩性段；3—前震旦系九都组第二岩性段；4—前震旦系九都组第一岩性段；
- 5—绿泥石(绿帘石)-水云母化千枚岩(变质凝灰岩)；
- 6—绿泥石(绿帘石)-水白云母化千枚岩(变质凝灰岩)；7—石英-水白云母化千枚岩(变质凝灰岩)；8—6和7未分；9—石英-水白云母化花岗闪长岩；10—绿泥石(绿帘石)-水白云母化花岗闪长斑岩；11—绿泥石(绿帘石)-水云母-钾长石化花岗闪长斑岩；12—石英闪长玢岩；13—变质辉绿岩；14—辉长-辉石岩；
- 15—细粒长英岩；16—接触角砾岩；17—地质界线；18—一片理产状；19—蚀变带界线；20—背斜和它的倾伏方向；21—向斜和它的倾伏方向；22—断层；23—黄铁矿矿山




0 200 400
METRES

N



中国斑岩铜(钼)矿时空分布

与板块构造略图



本图上中国国界线系根据1980年王东的《中华人民共和国地图》绘制

图 2-1 中国斑岩铜(钼)矿时空分布与板块构造略图①