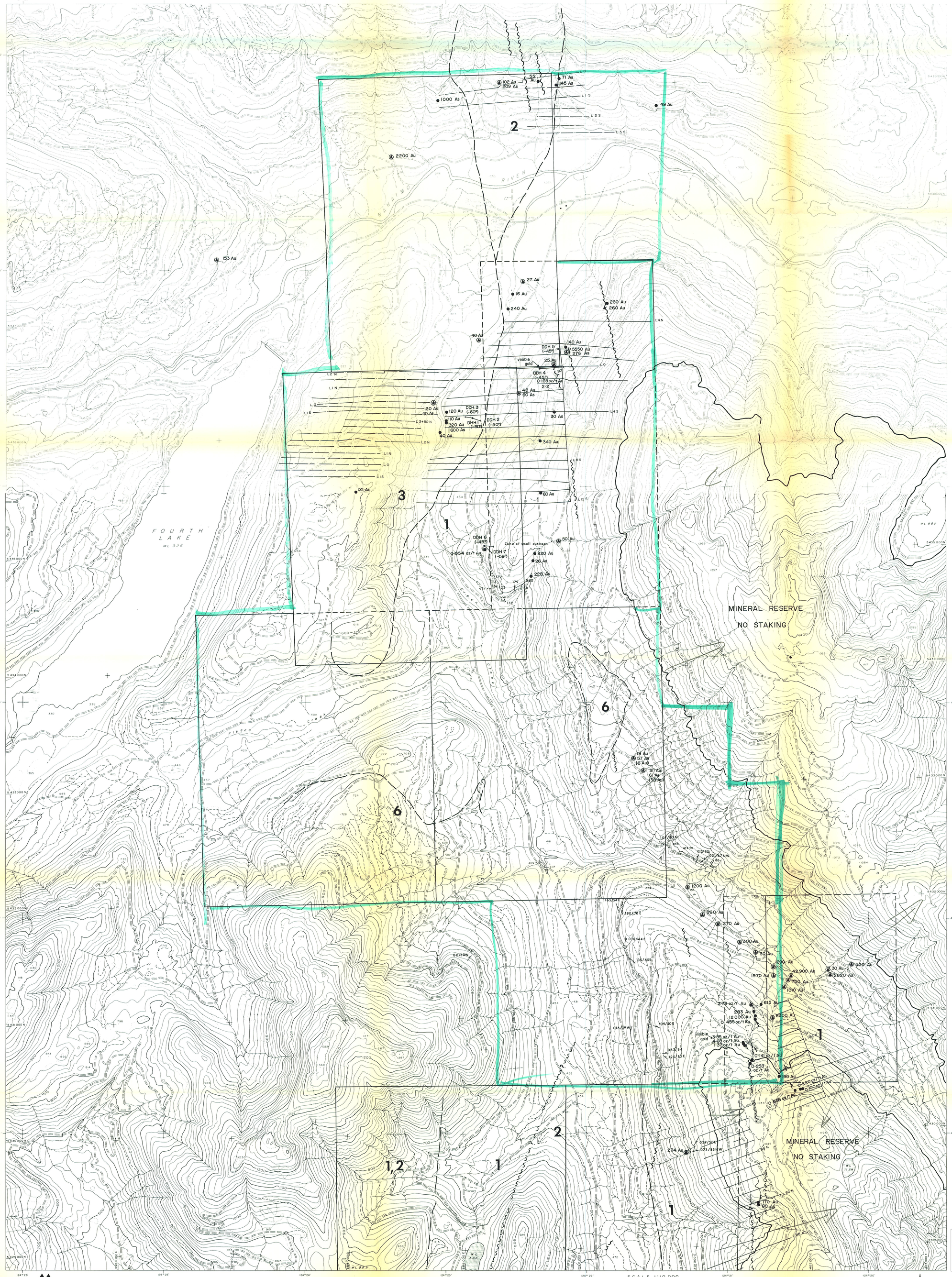


## LEGEND

### GEOLOGY

**MESOZOIC**

CRETACEOUS

Upper Cretaceous

**6** — Nanaimo Group

Grey-brown to black shales and conglomerates with lesser amounts of siltstone and sandstone. Locally calcareous matrix.

- 6a shale
- 6b sandstone, siltstone
- 6c conglomerate

JURASSIC

Lower to Middle Jurassic

**5** — Island Intrusions

Granodiorite to quartz-diorite to diorite; local leucocratic and granitic dykes. Strongly magnetic. Local dioritic (?) xenoliths.

- 5a granodiorite, quartz diorite, diorite
- 5b leucocratic and granitic dykes.

TRIASSIC

Middle and Upper Triassic

**4** — Karmutsen Formation (?)

Strongly shattered, massive to weakly graded basalts. Strongly magnetic; minor disseminated pyrite.

**PALEOZOIC**

Sicker Group

**3** — Buttle Lake Formation

Interbedded cherty sediment, argillite, siltstone, and local limestone. Minor pyrite and pyrrhotite.

- 3a argillite
- 3b siltstone
- 3c cherty sediments
- 3d limestone (crystalline; bioclastic)

**2** — Mafic volcanic rocks

Hornblende feldspar porphyritic basalt to crystalline basalt and diabasic appearing basalts. Strongly fractured. Epidote and sericite alteration. Strongly magnetic. Minor disseminated pyrite and trace chalcopyrite. Locally ankeritic sericite schist with 5-10 % pyrite; trace fuchsite (?); moderate to strong schistosity.

- 2a basalt to diabasic basalt
- 2b pyritic ankerite sericite schist.

**1** — Heterolithic volcaniclastic rocks, including: lapilli tuffs, pyroxene/plagioclase crystal tuffs, ash tuffs, and tuffaceous agglomerates and breccias; locally overlain by massive, amygdaloidal and pillowed basic flows.

- 1a tuffaceous agglomerates and breccias
- 1b ash tuff
- 1c lapilli tuff
- 1d crystal tuff (plagioclase/pyroxene)
- 1e basalt
- 1f cherty tuff
- 1g undifferentiated tuff

### SYMBOLS

- Geological contact
- Fault
- Quartz vein
- DDH6 (-45°) — Drillhole location & dip (1988)
- ▲ Silt sample, Au in ppb
- Ⓐ HMC silt sample, Au in ppb, As in ppm, (standard silt Au in ppb)
- ● Rock sample, Au in ppb

McElhanney

Ref. No. 1143-0

PRELIMINARY RECONNAISSANCE TYPE MAPPING

Scale and elevation datum based on limited ground control resulting in good relative but uncertain map accuracy.

SCALE 1:10 000

200 0 200 400 600 800 1000 1200 1400 Metres

CONTOUR INTERVAL 20 METRES

inches 0 1 2

0 1 2 3 4 5 centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

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