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GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND HOLOCENE

- Qf — *Fluviatile silt, sand and gravel, in part with cover of organic deposits; undivided*
- Qml — *Hummocky or ridged moraine in area of Laurentide glaciation*
- B — *Pediments, bedrock surfaces mostly with thin cover of colluvium and/or organic deposits*

MESOZOIC AND CENOZOIC

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY

- Kck — *Cuesta Creek Member: conglomerate and sandstone; alluvial*

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS

- Kbc — *BOUNDARY CREEK FORMATION: mudstone; bituminous, bentonitic;marine*

LOWER CRETACEOUS

- Kbr — *Sandstone, conglomerate and shale, flyschoid*
- Kmg — *MOUNT GOODENOUGH FORMATION: shale and siltstone; marine*
- Kwc — *Sandstone, shale and coal; marine and nonmarine; undivided. May include* Kmr , Kmc
- Kmr — *McGUIRE FORMATION: shale and siltstone; marine*
- Kmc — *MARTIN CREEK FORMATION: sandstone, shale and coal; nonmarine and marine; may include* Kwc *in the northern Richardson Mountains*

JURASSIC AND CRETACEOUS
JURASSIC AND LOWER CRETACEOUS

- JKh — *HUSKY FORMATION: shale, siltstone and ironstone; marine*
- Jpo — *PORCUPINE RIVER FORMATION: sandstone and siltstone; marine and nonmarine*
- JKk — *KINGAK FORMATION: shale and siltstone; marine*

TRIASSIC
UPPER TRIASSIC

- Ts — *SHUBLIK FORMATION: limestone, sandstone and shale; shallow marine*

PALEOZOIC

PERMIAN
LOWER AND MIDDLE PERMIAN

- Ps — *SADLEROCHIT FORMATION: sandstone, shale and limestone; marine; undivided*

CARBONIFEROUS
LISBURNE GROUP

- Ca — *ALAPAH FORMATION: limestone, dolomitic; open marine*
- Cl — LISBURNE GROUP: *undivided*

ENDICOTT GROUP (Ckk-Cky)

- Cky — *KAYAK FORMATION: shale, coal and limestone; marine and nonmarine*
- Ckk — *KEKIKTUK FORMATION: conglomerate and quartzite; alluvial*

ORDOVICIAN AND SILURIAN

- Gs — *Sedgwick Granite. Radiometric ages of similar granites in Northern Yukon range between 406 and 312* Ma

PROTEROZOIC

- PN6 — NERUOKPUK FORMATION (PN1,2,5,6) *Sandstone and argillite*
- PN5 — *Limestone and quartzite*
- PN2 — *Argillite, limestone and sandstone*
- PN1 — *Argillite and limestone*
- PN — *Neruokpuk Formation: undivided*

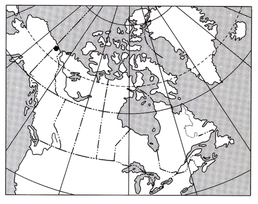
GEOCHEMICAL ANOMALIES

- *Mo +3 ppm (95 percentile)*
- *As +21 ppm (68.5 percentile) (1982 survey only)*
- *Sn +11 ppm (95 percentile)*
- *U +8.6 ppm (95 percentile)*
- *W +8 ppm (95 percentile)*

Anomalous area
Anomalous sample site 3 Mo
Stream sediment sample location (Goodfellow, W.D., 1979, GSC Open File 565)
Stream sediment sample location (Findlay, D.C. and Bell, R.T., 1982)
Heavy mineral sample, panned concentrate, anomalous values only (Findlay, D.C. and Bell, R.T., 1982). HM
Heavy mineral sample, panned concentrate (Gleeson, C.F., 1963, GSC Paper 63-32) R

Gold (ppb) Au *Barite (ppm)* Ba *Tin (ppm)* Sn *Silver (ppm)* Ag
Tungsten (ppm) W *Zinc (ppm)* Zn *Molybdenum (ppm)* Mo *Uranium (ppm)* U

Mineral occurrence ×
Minor scheelite W *Minor chalcopyrite* Cu *Minor molybdenite* Mo *Minor radioactive location* U



INDEX MAP - LIEU DE LA CARTE

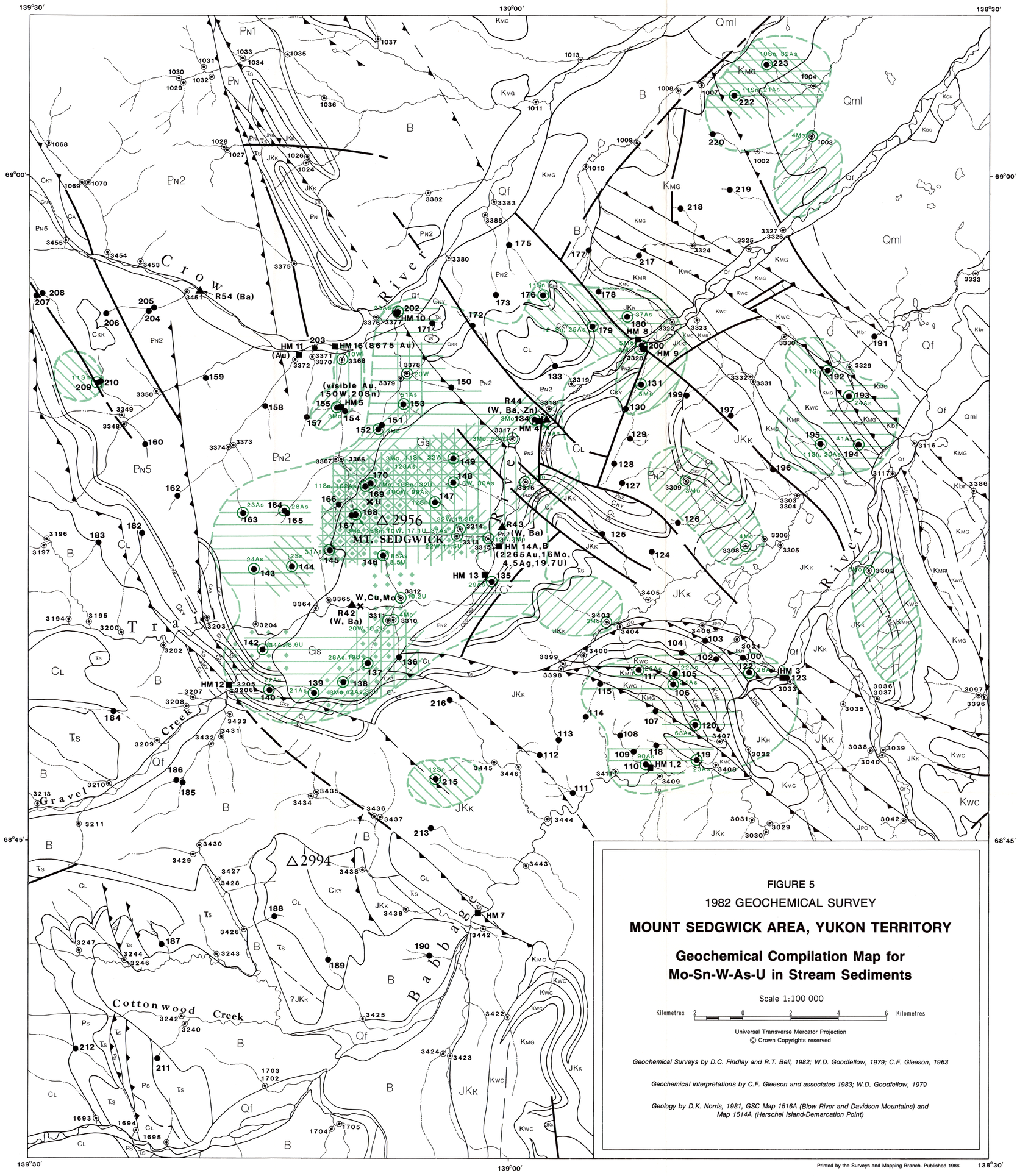


FIGURE 5

1982 GEOCHEMICAL SURVEY

MOUNT SEDGWICK AREA, YUKON TERRITORY

Geochemical Compilation Map for Mo-Sn-W-As-U in Stream Sediments

Scale 1:100 000

Kilometres 2 0 2 4 6 Kilometres

Universal Transverse Mercator Projection

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Geochemical Surveys by D.C. Findlay and R.T. Bell, 1982; W.D. Goodfellow, 1979; C.F. Gleeson, 1963

Geochemical interpretations by C.F. Gleeson and associates 1983; W.D. Goodfellow, 1979

Geology by D.K. Norris, 1981, GSC Map 1516A (Blow River and Davidson Mountains) and Map 1514A (Herschel Island-Demarcation Point)

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FIGURE 5

GSC Paper 85-24