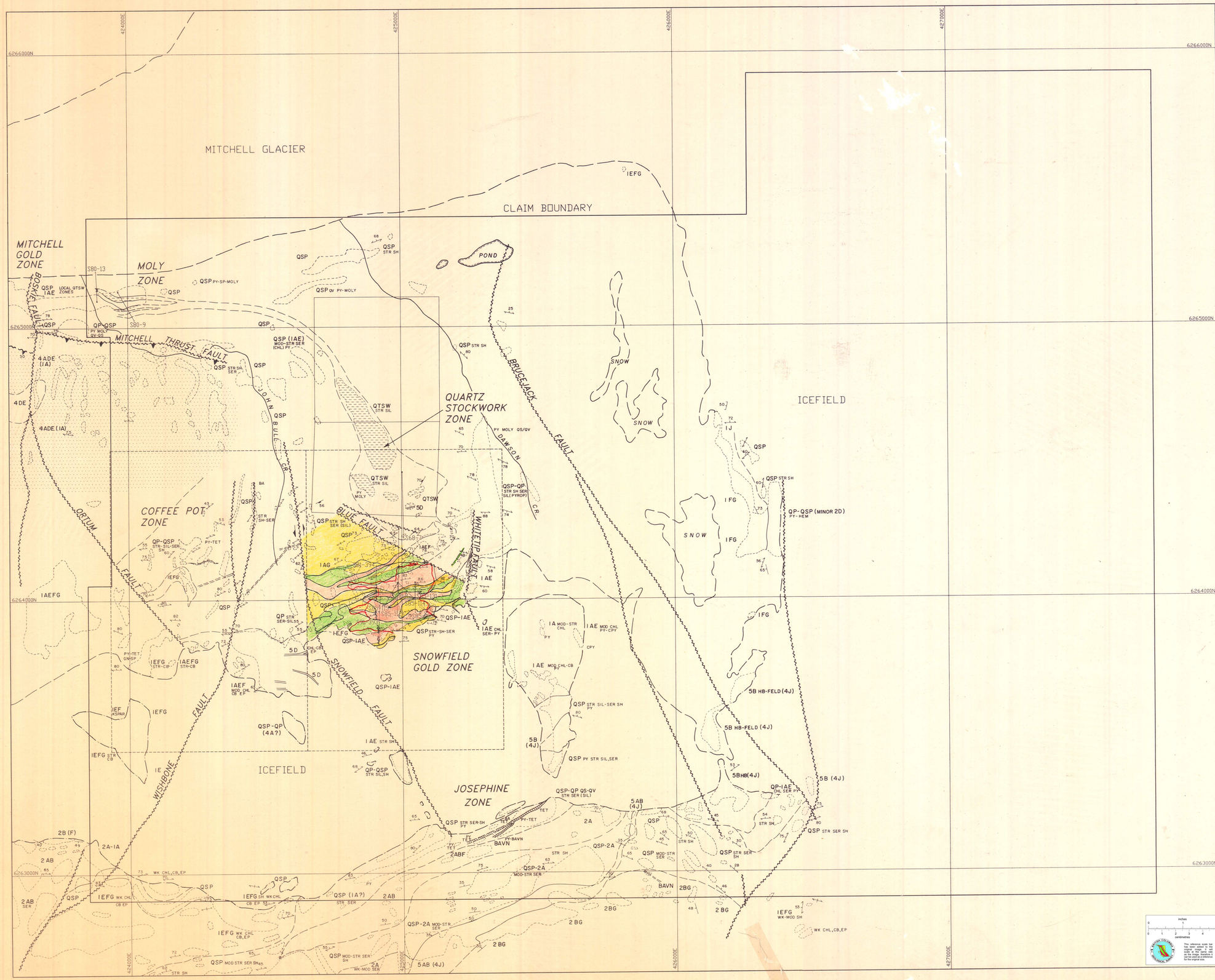


LEGEND

5 INTERMEDIATE TO MAFIC INTRUSIVES

5A UNSUBDIVIDED, 5B DIORITE (DIOT), 5C GABBRO (GABR), 5D DIABASE (DIAB), 5E LAMPROPHYRE DYKES-SILLS (LAMP)

4 FELSIC TO INTERMEDIATE INTRUSIVES

4A UNSUBDIVIDED, 4B GRANITE (GRAN), 4C SYENITE (SYEN), 4D QUARTZ-MONZONITE (QMON), 4E MONZONITE (MONZ), 4F GRANODIORITE (GRAD), 4G QUARTZ-EYE PORPHYRY (PFQE), 4H FELDSPAR-PORPHYRY (PFFP), 4I QUARTZ-FELDSPAR PORPHYRY (QFFP), 4J HORNBLENDE-FELDSPAR PORPHYRY (PFHB)

3 CHEMICAL METASEDIMENTS

3A CHERT (CHER), 3B CHERTY TUFF (CTUF), 3C OXIDE FACIES IF (OXIF), 3D CARBONATE-FACIES IF (CBIF), 3E SILICATE-FACIES IF (SIIF), SULPHIDE-FACIES IF (SPIF)

2 METASEDIMENTS

2A UNSUBDIVIDED, 2B ARENITE (ARNT), 2C ARKOSE (ARKS), 2D ARGILLITE (ARGT), 2E GREYWACKE (GRWK), 2F CONGLOMERATE (CONG), 2G CHERT (CERT), 2H LIMESTONE (LIME)

1 METAVOLCANICS – RHYOLITE (RH), DACITE (DA), ANDESITE (AN), BASALT (BA)

1A UNSUBDIVIDED, 1B MASSIVE FLOWS (ANFL), 1C PORPHYRITIC FLOWS (ANPO), 1D PILLOWED FLOWS/PILLOW BRECCIA (ANPL), 1E TUFF (ANTF), 1F LAPILLI TUFF (ANLT), 1G TUFF-BRECCIA (ANBX), 1H CRYSTAL TUFF (ANXT), 1I PORPHYRY (ANPF), 1J VOLCANICLASTIC-LAHAR (ANVL)

ALTERED ROCKS

ALB	ALBITIZATION
BIO	BIOTIFEROUS
CB	CARBONATE ALTERATION
CHL	CHLORITIZATION, CHLORITIC
KSP	POTASSIC ALTERATION
PROP	PROPHYLITIC ALTERATION
QSP	QUARTZ-SERICITE, PYRITE SCHIST
QP	QUARTZ-PYRITE (K-SPAR ALTERATION)
SER	SERICITIZATION, SERICITIC
SIL	SILICIFICATION, SILICIFIED

WK – WEAK MOD – MODERATE STR – STRONG

SYMBOLS

- OUTCROP BOUNDARY
- BEDDING (VERTICAL, INCLINED)
- SHEARING (VERTICAL, INCLINED)
- JOINTING (HORIZONTAL, INCLINED, VERTICAL)
- LINEATION WITH PLUNGE
- PILLOWS (TOPS UNKNOWN, KNOWN)
- GEOLOGICAL CONTACT (OBSERVED, ASSUMED)
- FAULT (DEFINED, ASSUMED)
- SHEAR ZONE, LINEAMENT
- TRENCH, PIT
- DRILL HOLE (VERTICAL, INCLINED)
- DIAMOND SAW CHANNEL INTERVAL

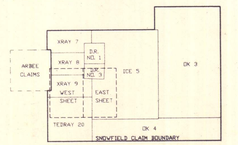
ABBREVIATIONS

AU	NATIVE GOLD	HEM	HEMATITE
AG	NATIVE SILVER	LIM	LIMONITE
ANK	ANKERITE	MAG	MAGNETITE
ARG	ARGENTITE	MAL	MALACHITE
ASPY	ARSENOPYRITE	MOLY	MOLYBDENITE
AZ	AZURITE	POLY	POLYBASITE
BA	BARITE	PY	PYRITE
BAVN	BARITE VEIN	PYRA	PYRARGYRITE
BN	BORNITE	PYROL	PYROLUSITE
BX	BRECCIA	PYROP	PYROPHYLLITE
CHAL	CHALCOCITE	PO	PYRRHOTITE
CPY	CHALCOPYRITE	QCS/QCV	QUARTZ-CARBONATE STRINGER/VEIN
CU	NATIVE COPPER	QS/QV	QUARTZ STRINGER/VEIN
DOL	DOLOMITE	SID	SIDERITE
EL	ELECTRUM	SP	SPHALERITE
GF	GRAPHITE	TENN	TENNANTITE
GN	GALENA	TET	TETRAHEDRITE
HB	HORNBLENDE		

- QSP–QP QTZ–SER–PY
- ARGILLIC CHL–SER–PY
- BIO – CHL – KSP (ASSUMED EXTRAPOLATIVE POTASSIC ZONE)
- QTVN – QUARTZ VEIN >80% QV/QS
- QTSW – QUARTZ STOCKWORK 20%–80% QV/QS

SOURCES OF INFORMATION:
GRANDUC MINES – 1968
DESO MINERALS – 1980–83
GEOLOGICAL SURVEY OF CANADA (KIRKHAM) – 1986–91
CORONA CORPORATION – 1989
NEWHAWK GOLD MINES 1985–91
JAKE MARGOLIS – 1991

ALL DATUM IS AN INTERPRETED COMPILATION OF THE ABOVE SOURCES OF INFORMATION



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METRES
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NEWHAWK GOLD MINES

SULPHURETS PROPERTY

SNOWFIELD PROJECT GEOLOGY

DRAWN BY: SR, DK, TK	NTS 104B/9
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