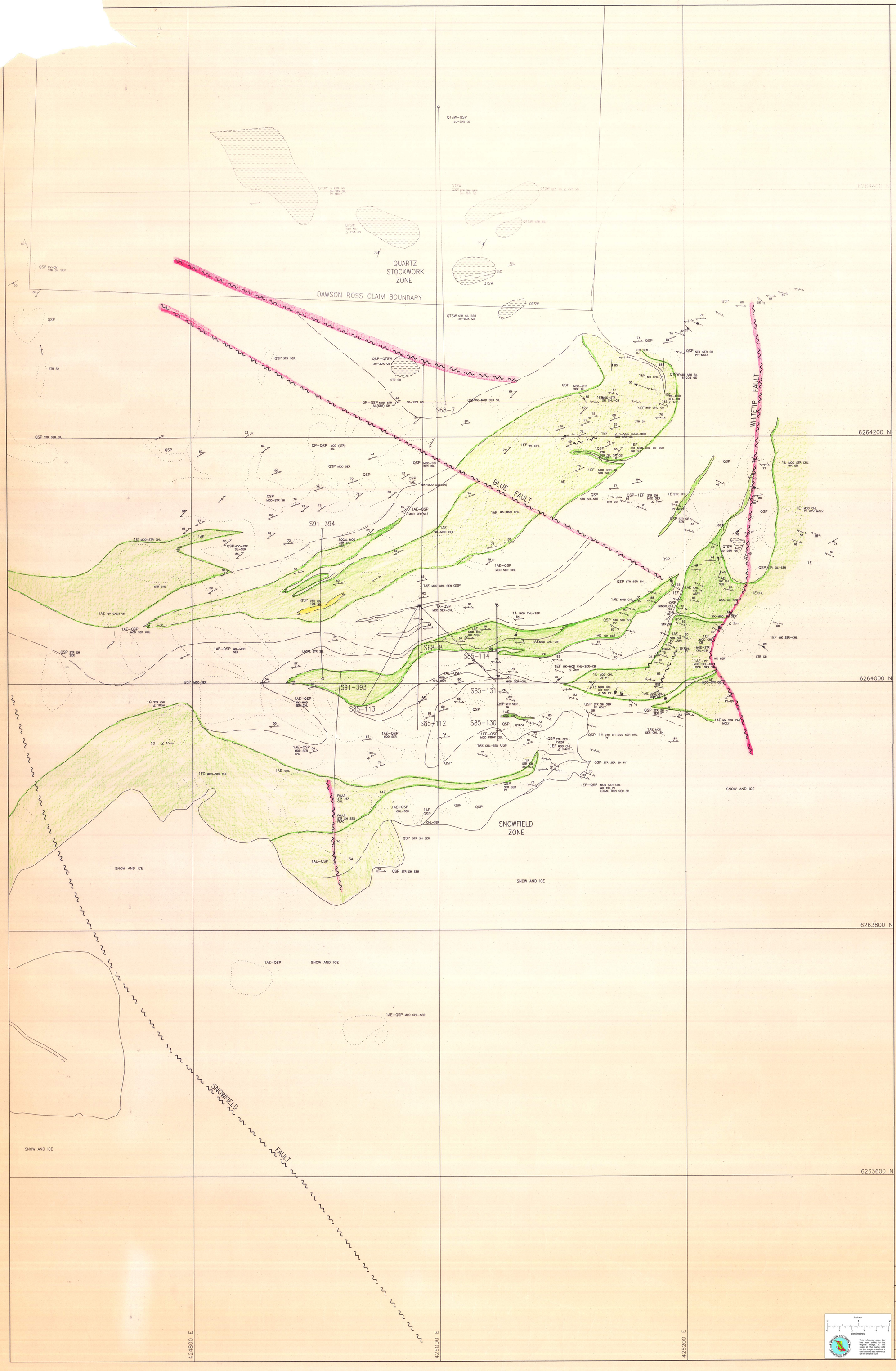


LEGEND

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 (PPQE), 4H FELDSPAR–PORPHYRY (PPFP), 4I QUARTZ–FELDSPAR PORPHYRY (QPFP), 4J HORNBLENDE–FELDSPAR PORPHYRY (PPHB)

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 (ANPP), 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 (KSPAR 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

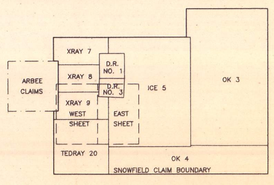
ARGILLIC CHL–SER–PY

QTVN – QUARTZ VEIN >80% QV/QS

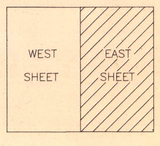
QTSW – QUARTZ STOCKWORK 20%–80% QV/QS

DIAMOND DRILL HOLES

DDH	DIP	AZ	DEPTH (m)	FROM (m)	TO (m)	WIDTH (m)	Au (oz)
S85–112	–50°	180°	151.83	0.91	69.51	68.60	0.072
				0.91	115.24	114.33	0.060
				0.91	151.83	150.92	0.055
S85–113	–50°	215°	152.44	1.22	93.90	92.68	0.071
				1.22	152.44	151.22	0.060
S85–114	–50°	135°	126.82	1.22	109.15	107.93	0.071
				1.22	126.82	125.60	0.066
S85–130	–50°	180°	154.88	3.05	97.56	94.51	0.080
				3.05	140.24	137.19	0.067
				3.05	154.88	151.83	0.063
S85–131	–70°	180°	152.131	2.13	84.45	82.32	0.075
				2.13	121.04	118.91	0.066
				2.13	152.13	150.00	0.058
S91–393	–41°	356.5°	199.70	0	20.40	20.40	0.054
				0	83.40	83.40	0.038
				0	199.70	199.70	0.057
				83.40	155.40	72.00	0.087
S91–394	–39°	356.5°	150.30	0	83.20	83.20	0.060
				0	86.20	86.20	0.060
				0	150.30	150.30	0.043
S68–7	–38°	179°	304.80	167.94	199.95	32.01	0.021
				242.62	248.72	6.10	0.023
S68–8	–40°	181°	306.32	230.43	260.91	30.48	0.024
				282.24	303.58	24.38	0.024



SNOWFIELD SHEET INDEX



SOURCES OF INFORMATION:

GRANDUC MINES – 1968
ESSO MINERALS – 1980–83
CORONA CORPORATION – 1989
NEWHAWK GOLD MINES 1985–91
JAKE MARGOLIS – 1991

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

0 20 40 60 80 100
METRES
SCALE 1:1000

NEWHAWK GOLD MINES

SULPHURETS PROPERTY

SNOWFIELD PROJECT

GEOLOGY – EAST SHEET

DRAWN BY:SR,DK,TK	NTS 104B/9
DATE: MARCH 1992	FIGURE NO:

804095