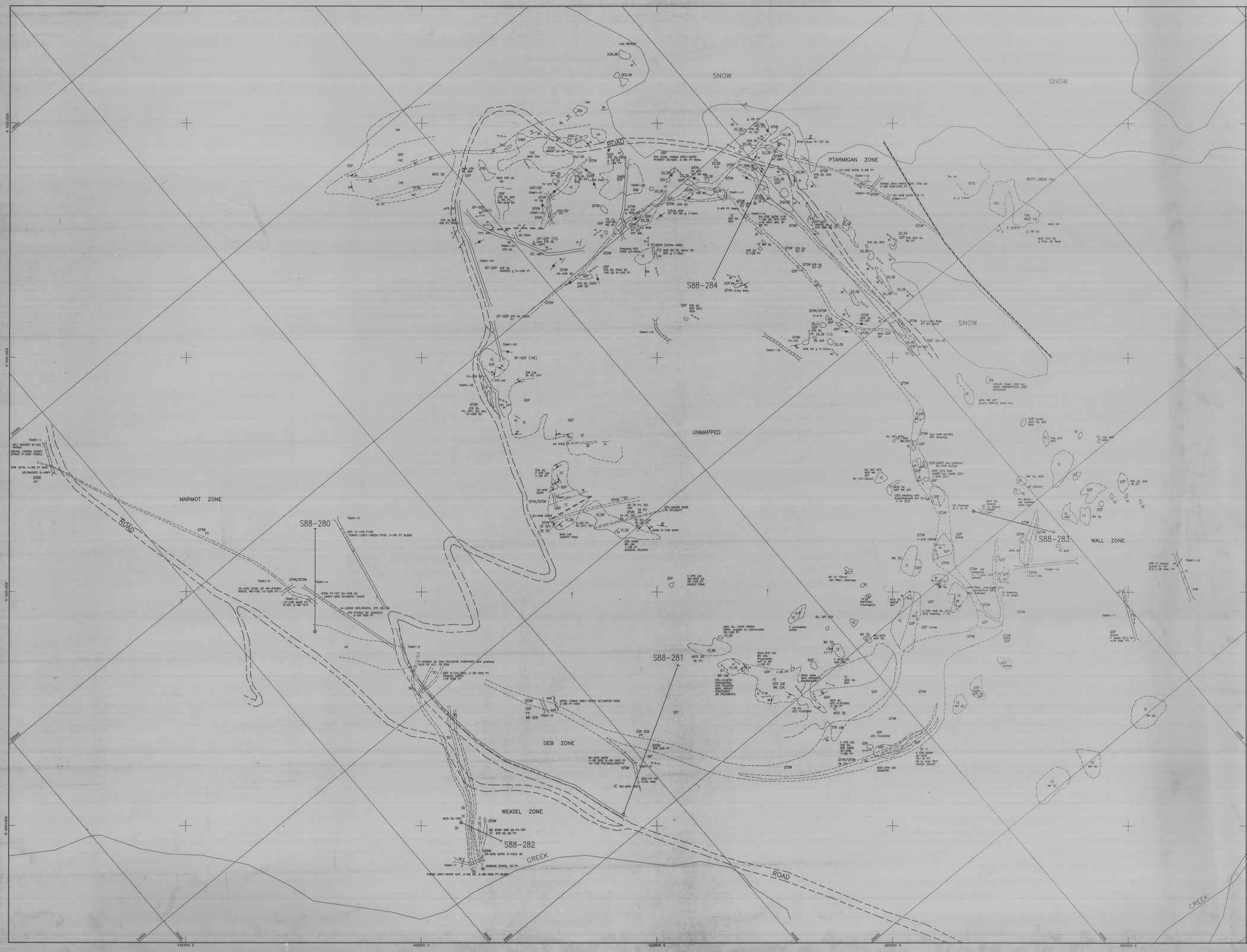

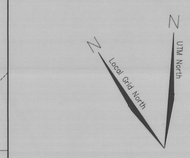

LEGEND

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 DYENITE (DYEN), 4D QUARTZ-MONZONITE (QMON), 4E MONZONITE (MONZ), 4F GRANODIORITE (GRAD), 4G QUARTZ-EYE PORPHYRY (FPQE), 4H FELDSPAR-PORPHYRY (FPFP), 4I QUARTZ-FELDSPAR PORPHYRY (QFFP), 4J HORNBLENDE-FELDSPAR PORPHYRY (FPHB)

3 CHEMICAL METASEDIMENTS

3A CHERT (CHER), 3B CHERTY TUFF (CTUF), 3C OXIDE FACIES IF (OXIF), 3D CARBONATE-FACIES IF (CBIF), 3E SILICATE-FACIES IF (SIF), 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 (ANTT), 1F LAPILLI TUFF (ANLT), 1G TUFF-BRECCIA (ANBX), 1H CRYSTAL TUFF (ANXT), 1I PORPHYRY (ANPP), 1J VOLCANICLASTIC-LAHAR (ANVL)

ALTERED ROCKS

ALB	ALBITIZATION
BIO	BIOTITEROUS
CB	CARBONATE ALTERATION
CHL	CHLORITIZATION; CHLORITIC
KSP	POTASSIC ALTERATION
QSP	QUARTZ-SERICITE; PYRITE SCHIST
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		GN – GALENA	
AG – NATIVE SILVER		HEM – HEMATITE	
ANK – ANKERITE		LIM – LIMONITE	
ARG – ARGENTITE		MAG – MAGNETITE	
ASPY – ARSENOPYRITE		MAL – MALACHITE	
AZ – AZURITE		MO – MOLYBDENITE	
BA – BARITE		POLY – POLYBASITE	
BAVN – BARITE VEIN		PY – PYRITE	
BN – BORNITE		PYRX – PYRARGYRITE	
BR – BRECCIA		PO – PYRRHOTITE	
CHAL – CHALCOCITE		QCO/QCV – QUARTZ-CARBONATE STRINGER/VEIN	
CPY – CHALCOPYRITE		QS/QV – QUARTZ STRINGER/VEIN	
CU – NATIVE COPPER		SB – STIBNITE	
DOL – DOLOMITE		SP – SPHALERITE	
EL – ELECTRUM		TENN – TENNANTITE	
GF – GRAPHITE		TET – TETRAHEDRITE	

QTVN – QUARTZ VEIN >80% QTVN/QTSW
QTSW – QUARTZ STOCKWORK 20%-80% QTVN/QTSW

Inches 0 1 2 3 4 5
centimetres 0 1 2 3 4 5 6 7 8 9 10

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

0 20 40 60 80 100
METRES
SCALE 1:1000

NEWHAWK GOLD MINES

SULPHURETS PROPERTY

GOLDEN MARMOT ZONE GEOLOGY

804252

DRAWN BY: S.R.,T.K.	SCALE: 1:1000
DATE: JAN 1992	FIGURE NO: