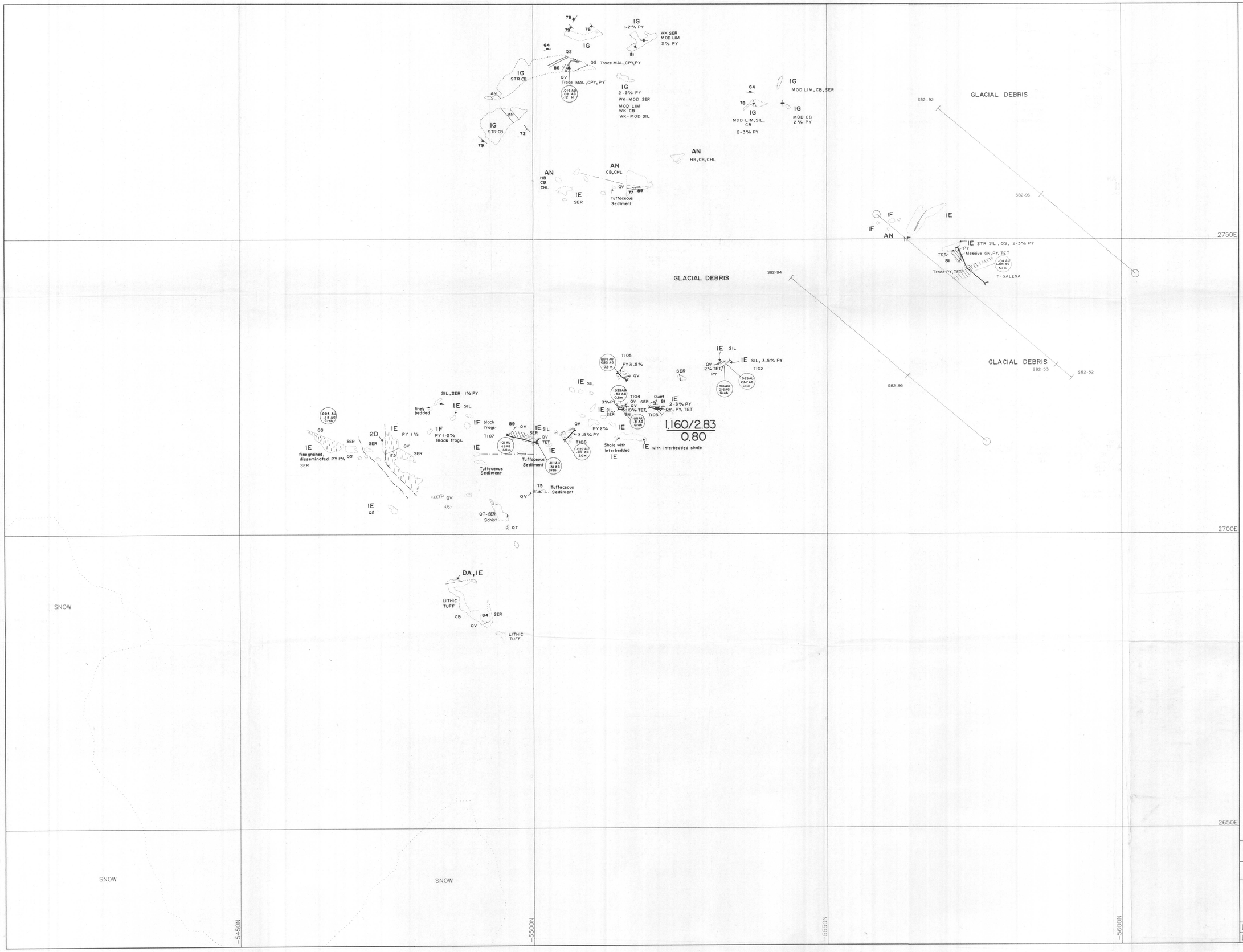


MINE GRID NORTH

## 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 (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 (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 | BIOTITEROUS |
| 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/VEIN CONTACT (VERTICAL,INCLINED)
- FOLIATION (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

QTBX – QUARTZ BRECCIA

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 uniformly with the image, therefore it can be used as a reference for the original size.

0 5 10 15 20 25

METRES

SCALE 1:250

# NEWHAWK GOLD MINES

## SULPHURETS PROPERTY

## GALENA HILL AREA

### GEOLOGY

| | |
|---|---|
| DRAWN BY: B.M.,T.K. | SHEET NO: 545–265 |
| DATE: OCT 1992 | FIGURE NO: |

804173