092709

[redacted]

# NANSEN PROJECT

| HOLE No. | TARGET | SECTION LINE | STARTED: JUNE 15 |
|---|---|---|---|
| 88-94X | ORLOFF-KING | | FINISHED: JUNE 16 |
| COORDINATES | AZIMUTH: 63° | DIP-COLLAR: -60° | DEPTH: 24.7 m |
| NORTHING: 21068.48 | ELEVATION: 1493.74 m | ACID DIP TEST: — | [redacted] |
| EASTING: 18163.19 | | | |

## ROCK TYPES

- OVERBURDEN
- FELDSPAR PORPHYRY
- QUARTZ-FELDSPAR PORPHYRY
- MT.NANSEN GROUP VOLCANIC FLOWS, PYROCLASTICS & FEEDER DYKES
- GRANODIORITE
- QUARTZ-FELDSPAR-CHLORITE GNEISS
- AMPHIBOLITE

## MODE

| | |
|---|---|
| B - BLEBS | L - LAMINATIONS |
| C - COATINGS | M - MASSIVE |
| D - DISSEMINATIONS | O - SPOTS |
| E - ENVELOPES | P - PERVASIVE |
| J - INTERSTITIAL | Q - PATCHES |
| < - VEINLET > PERVASIVE | V - VEINLETS |
| > - PERVASIVE > VEINLET | # - BRECCIA FILLING |

## AMOUNT

| | | |
|---|---|---|
| N - NIL | ( - 0.1% | 3 - 30% |
| L - LOW TRACE | * - 0.3% | 4 - 40% |
| F - FAIR | ) - 1% | 5 - 50% |
| M - MODERATE | + - 3% | 6 - 60% |
| A - ABOVE AVERAGE | - - 5% | 7 - 70% |
| H - HEAVY | ■ - 7% | 8 - 80% |
| | 1 - 10% | 9 - 90% |
| | 2 - 20% | X - 100% |

## SYMBOLS

- VEIN
- VEIN (<20cm)
- FAULT
- FAULT GOUGE
- FRACTURES
- BREAK
- BRECCIA
- CRACKLE BRECCIA
- 60° - ANGLE TO CORE AXIS
- SHEAR
- D/S - DOWN SECTION
- AS - ARSENOPYRITE
- BO - BORNITE
- CP - CHALCOPYRITE
- GL - GALENA
- GY - GYPSUM
- HE - HEMATITE
- PY - PYRITE
- PYR - PYRRHOTITE
- QC - CHALCEDONY
- QV - QUARTZ VEINLET
- S - SULPHIDES
- SL - SPHALERITE
- SX - FINE-GRAINED SULPHIDES & SULFOSALTS

| DEPTH (m) | VISUAL LOG | LITHOLOGY | ALTERATION FACIES | CHLORITE | EPIDOTE | CALCITE | MONTMORILLITE | KAOLINITE | QTZ-SERICITE | QTZ-VEINS | PYRITE | VERY FINE SULPHIDES AND SULFOSALTS | LIMONITE | MANGANESE OXIDES | % OXIDATION | FRACTURE INTENSITY | SAMPLE NUMBER | % RECOVERY BETWEEN BLOCKS | SAMPLE INTERVAL | oz/t AU | oz/t AG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CASING - NO CORE RECOVERED | | | | | | | | | | | | | | | | | | | |
| 6.50 | | MT NANSEN VOLCANICS CLAY ALTERED | MONTMORILLONITE FACIES (SUPERGENE) | PM | VL | N | VM | N | N | N | N | N | L | M | S | | | | | |
| 7.80 | | BLEACHED | KAOLINITE FACIES (SUPERGENE) | M | N | N | N | PM | N | N | N | N | L | M | S | | | | | | |
| 9.10 | | BLEACHED | MONTMORILLONITE FACIES (SUPERGENE) | PL | N | N | VM | N | N | N | S | N | L | M | S | | | | | | |
| 10.10 | | | KAOLINITE FACIES (SUPERGENE) | N | N | N | N | PM | N | N | N | N | L | L | S | | | | | | |
| 10.50 | | PEBBLES | QUARTZ SERICITE (SUPERGENE) | N | N | N | N | PL | PM | N | N | N | L | L | S | | | | | | |
| 11.50 | | STRONGLY BLEACHED, PYR. MAY ALTERED | SILICIC (SUPERGENE) | S | N | N | N | PM | N | N | N | N | M | L | S | | | | | | |
| 12.00 | | CLAY ALTERED | QUARTZ SERICITE (SUPERGENE) | N | N | N | N | VL | PM | N | N | N | M | L | S | A | | | | | |
| 12.50 | | QUARTZ VEIN | ARGILLITE FACIES (SUPERGENE) | M | A | N | N | A | PM | PM | N | N | L | M | S | A | | | | | |
| 13.10 | | MT. NANSEN VOLCANICS GYPSUM-QUARTZ STRINGERS | QUARTZ-SERICITE (SUPERGENE) | N | N | N | N | N | PM | VL | N | PM | L | L | S | | | | | | |
| 15.10 | | GYPSUM QUARTZ STRINGERS | KAOLINITE FACIES (SUPERGENE) | N | N | N | N | PM | PL | VL | N | PM | L | M | S | | | | | | |
| 15.50 | | QUARTZ VEIN GYPSUM | QUARTZ SERICITE (TRANSITIONAL) | N | N | N | N | VL | PM | PL | N | PM | L | M | S | | | | | | |
| 16.90 | | MT. NANSEN VOLCANICS LIMONITE VEINS | QUARTZ SERICITE (TRANSITIONAL) | N | N | N | N | PL | PM | N | N | N | L | L | S | | | | | | |
| 20.30 | | SHEAR/FAULT ZONE (LIMONITE CLAY ALTERATION) | SILICIC (SUPERGENE) | N | N | N | N | PL | PL | PM | N | PM | M | N | S | N | | | | | |
| 21.40 | | | QUARTZ-SERICITE (SUPERGENE) | N | N | N | N | PL | PM | N | N | N | L | M | S | | | | | | |
| 24.58 | | END OF HOLE | | | | | | | | | | | | | | | | | | | |

| SAMPLE NUMBER | % RECOVERY BETWEEN BLOCKS | SAMPLE INTERVAL | oz/t AU | oz/t AG |
|---|---|---|---|---|
| | 6.50 / 6.71 | | | |
| S-04502 | 97 | 1.52 | 0.002 | <0.01 |
| | 8.23 | | | |
| 4503 | 80 | 0.91 | 0.002 | <0.01 |
| | 9.14 | | | |
| 4504 | 78 | 1.53 | 0.001 | 0.01 |
| | 10.67 | | | |
| 4505 | | 0.53 | 0.001 | 0.04 |
| 4506 | 98 | 0.99 | 0.001 | 0.04 |
| | 12.19 | | | |
| 4507 | 74 | 0.61 | 0.063 | 0.73 |
| 4508 | | 0.33 | 0.188 | 3.32 |
| 4509 | 19.72 | 0.62 | 0.015 | 0.21 |
| 4510 | 76 | 1.52 | 0.008 | 0.15 |
| | 15.24 | | | |
| 4511 | 67 | 0.91 | <0.001 | <0.01 |
| | 16.15 | | | |
| 4512 | 96 | 0.75 | <0.001 | <0.01 |
| 4513 | | 0.38 | 0.008 | 0.01 |
| | 17.68 | | | |
| 4514 | 80 | 0.91 | <0.001 | <0.01 |
| | 18.59 | | | |
| 4515 | 72 | 1.53 | <0.001 | <0.01 |
| | 20.12 | | | |
| 4516 | 93 | 0.76 | 0.001 | <0.01 |
| | 20.88 | | | |
| 4517 | 79 | 0.76 | 0.001 | <0.01 |
| | 21.64 | | | |
| 4518 | 85 | 1.53 | <0.001 | <0.01 |
| | 23.17 | | | |
| 4519 | 82 | 1.21 | 0.001 | 0.03 |
| | 24.38 | | | |