002709 002709

[redacted]

NANSEN PROJECT

HOLE No.	TARGET	SECTION LINE	STARTED: JUNE 13
88-88X	ORLOFF-KING		FINISHED: JUNE 13
COORDINATES	AZIMUTH: 59°	DIP-COLLAR: -50°	DEPTH: 549 m
NORTHING: 21200.81	ELEVATION: 1480.54 m	ACID DIP TEST: 49°	[redacted]
EASTING: 18078.88			

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%
	+ - 3%	6 - 60%
M - MODERATE	- - 5%	7 - 70%
A - ABOVE AVERAGE	■ - 7%	8 - 80%
H - HEAVY	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

0.00 MOUNT NANSEN VOLCANICS

BLEACHED, MODERATELY HARD, SOFT SIL

BRECCIATED, HEAVY CLAY INFILL AS GUMBO, STRONG

BRECCIA, 40% QUARTZ VEINS, CLAY MATRIX

BRECCIA, 40% QUARTZ VEINS-SILICIC MATRIX, MINOR

SILICIFIED CRACKLE BRECCIA

BRECCIA, 10% QUARTZ VEINS, 10% SILICIFIED, 1% PY

BRECCIA, 10% QUARTZ VEINS, 80% RUBBLY CLAY, CALCAREOUS

SILICIFIED BRECCIA, 10% QUARTZ VEINS

QUARTZ VEINS, 10% PY

SILICIFIED, CALCAREOUS

NON-CALCAREOUS

MINOR CALCITE VEINLETS, 1-2cm, 10-40° TO CA

MINOR BRECCIA, 40° TO CA

MINOR BRECCIA 40° TO CA

FRACTURED & SOFT WHERE CLAY MATRIX IS SILICIFIED

MINOR VEINS, 30% QUARTZ, TRACE OF PY + CP

SILICIFIED

MINOR BRECCIA, 20% QUARTZ VEINS, 2% PYRITE

MINOR VEINS, SUPERGENE ALTERED, TRACE OF PY, CP, GN

34.55 END OF HOLE

PROPYLITIC FACIES (OVERBURDEN) — PH, VL, PL — L, M, 6

KAOLINITE FACIES (OVERBURDEN) — PH — M, M, 6 — 5 04310 — 0.57 — < 0.001 — < 0.01

PROPYLITIC FACIES (OVERBURDEN) — PH, VL, PL — L, L, 6

KAOLINITE FACIES (OVERBURDEN) — PH — L, M, 6, H — 5 04311 — 1.21 — < 0.001 — < 0.01

KAOLINITE / QUARTZ-SERICITE / SILICIC (TRANSITIONAL) — VH, PL, PL — L — 7 — 5 04315 — 0.41 — < 0.001 — 0.01

KAOLINITE / QUARTZ-SERICITE ? — 1.55 — < 0.001 — 0.06

PROPYLITIC FACIES (OVERBURDEN) — PH — L — A — 5 04314 — 0.61 — < 0.001 — 0.04

KAOLINITE / QUARTZ-SERICITE — VH, PH — M, L, 7 — 5 04316 — 0.01 — 0.078 — 0.54

SILICIC (MINOR KAOLINITE — VL, PL, PH — P1 — M, L, 6 — 5 04317 — 0.74 — 0.118 — 1.55

QUARTZ-SERICITE (TRANSITIONAL) — PH — M, M, 6 — 5 04319 — 1.44 — 0.026 — 0.10

SILICIC FACIES (TRANSITIONAL) — PL, PH, P2, P2 — M — 6 — 5 04320 — 0.66 — 0.078 — 2.45

QUARTZ - SERICITE (TRANSITIONAL) — VL, PH — M, L, 6 — 5 04321 — 0.86 — 0.055 — 0.80

QUARTZ - SERICITE (S-PRESENT) — PL — PH, PH — L, L, 8 — 5 04322 — 0.54 — 0.001 — 0.01

PROPYLITIC FACIES (TRANSITIONAL) — PH, VL, VH — M, L, 5 — P — 5 04323 — 0.98 — 0.001 — < 0.01

5 04324 — 1.23 — < 0.001 — 0.04

5 04326 — 0.34 — 0.001 — < 0.01

5 04327 — 0.43 — 0.001 — < 0.01

MONTMORILLONITE FACIES — PL — PH, PH — L, L, 6 — 5 04328 — 0.92 — 0.001 — < 0.01

KAOLINITE FACIES (TRANSITIONAL) — PH — M, L, 6 — 5 04329 — 1.52 — 0.001 — < 0.01

PROPYLITIC FACIES — PH — CH — L, L, 4 — 5 04330 — 1.51 — < 0.001 — < 0.01

KAOLINITE FACIES (TRANSITIONAL ?) — VH — L — 6 — 5 04331 — 1.53 — < 0.001 — < 0.01

MONTMORILLONITE FACIES (TRANSITIONAL ?) — VH — M — 6 — 5 04332 — 1.52 — 0.001 — < 0.01

PROPYLITIC FACIES (OVERBURDEN) — PH, VH, VH — L — 5 — 5 04335 — 1.53 — < 0.001 — < 0.01

KAOLINITE FACIES ? (TRANSITIONAL) — PL — PH — 5 — 5 04334 — 1.23 — < 0.001 — < 0.01

QUARTZ - SERICITE (TRANSITIONAL) — CH — VL, PH — 3.5, P2 — L — 2 — 5 04335 — 0.41 — < 0.001 — < 0.01

MONTMORILLONITE FACIES TO KAOLINITE FACIES (TRANSITIONAL) — VH — PL, PL — L — 4 — 5 04336 — 1.21 — 0.001 — 0.01

PROPYLITIC (MONTMORILLONITE FACIES (TRANSITIONAL) — PH, VH — L — 4 — 5 04337 — 0.80 — 0.001 — 0.01

VL, VL — 5 04338 — 0.78 — < 0.001 — < 0.01

KAOLINITE / SILICIC FACIES (SUPERGENE) — VL — PL — P1, P1 — M — 4 — 5 04339 — 0.41 — 0.001 — < 0.01

MONTMORILLONITE FACIES (TRANSITIONAL) — PL, VL, VH, ? — PL — L, M, 4 — 5 04340 — 0.46 — 0.001 — 0.01

5 04341 — 98 — 1.68 — 0.002 — < 0.01