092709

[redacted]

NANSEN PROJECT

HOLE No.	TARGET	SECTION LINE	STARTED: JUNE 14
88-91X	ORLOFF-KING		FINISHED: JUNE 15
COORDINATES	AZIMUTH: 62°	DIP-COLLAR: -50°	DEPTH: 21.9 m
NORTHING: 21148.74	ELEVATION: 1484.09 m	ACID DIP TEST: —	[redacted]
EASTING: 18113.66			

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° X - 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
2.44		CASING																2.44			
3.05		MOUNT NANSEN VOLCANICS	PROPYLITIC FACIES (SUPERGENE) QUARTZ-SERICITE (SUPERGENE)	PM				PL	PM				L	L	7			3.05				
3.5			PROPYLITIC/MONTMORILLONITE FACIES (SUPERGENE)	PM		VL	PL						M	L	8		S-04489	63	1.52	0.001	<0.01
6.0		BLEACHED CLAY, DENDRITIC MANGANESE STAIN	MONTMORILLONITE FACIES (SUPERGENE)			VM	PM	VL					L	L	8		4490	4.57			
7.6		BLEACHED	KAOLINITE FACIES (SUPERGENE)					PM	PL				L	M	8		4491	4.88	1.83	<0.001	<0.01
8.5		SLIGHTLY BLEACHED, SOME LIMONITE FILLED VUGS IN VEINLETS, KAOLINITE IN FRACTURES	KAOLINITE/QUARTZ SERICITE FACIES (SUPERGENE)					>L	PM				L	M	7		4492	5.49	0.61	0.001	0.01
10.2																	4493	6.10	0.61	<0.001	0.01
11.7		LIMONITE SOLUBLE, BOHLERIA, QUARTZ-SERICITE FRAGS	KAOLINITE ? / QUARTZ-SERICITE FACIES (SUPERGENE)					VM					H	M			4494	6.40	1.22	0.001	0.04
12.4		CRACKLE BRECCIA, 50% QUARTZ VEIN @ 90°/45, FI, 5%	QUARTZ-SERICITE/SILICIC FACIES (TRANSITIONAL)						PM	PL	PM	PM			5		4495	7.62	0.61	<0.001	0.03
13.1			KAOLINITE FINES (SUPERGENE)				PL	PM	PL				M	L	6		4496	8.23	1.22	0.004	0.35
14.3		FORMATE BREAK 40° A	MONTMORILLONITE FACIES (TRANSITIONAL)	PL		VL	PM						L		5		4497	9.45	0.61	0.007	0.25
20.4		SLIGHTLY BRECCIATED	PROPYLITIC FACIES (TRANSITIONAL)	PM	VL	VL							L		6		4498	10.67	1.71	0.028	0.87
21.95		END OF HOLE															4499	12.19	0.31	0.028	0.19
																	4500	12.50	1.22	0.003	0.02
																	4501	13.72	0.86	<0.001	<0.01
																		14.58			
																		15.24			
																		15.85			
																		16.76			
																		17.37			
																		18.59			
																		19.20			
																		20.12			
																		21.64			
																		21.95			