092709

[redacted]

NANSEN PROJECT

HOLE No.	TARGET	SECTION LINE	STARTED: JUNE 17
88-101x	DICKSON		FINISHED: JUNE 18
COORDINATES	AZIMUTH: 215°00'	DIP-COLLAR: -50°	DEPTH: 34.7 m
NORTHING: 20398.85	ELEVATION: 1441.56 m	ACID DIP TEST: -49.0	[redacted]
EASTING: 18837.50			

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	1 - 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
4.27		CASING. NO CORE RECOVERED																4.27			
		GRANODIORITE	MONTMORILLONITE / KAOLINITE? FACIES (SUPERGENE)					PM					M	M	M			45			
6.40		SLIGHTLY BLEACHED				PM							L	M	M			6.40			
7.4			PROPYLITIC / MONTMORILLONITE FACIES (SUPERGENE)			VL							L	M	S			7.62			
8.4			MONTMORILLONITE FACIES (SUPERGENE)			PL							M	L				8.45			
9.5		HEMATITE BRAN	PROPYLITIC FACIES (HYPOGENE)	PM	VL	PL							M	L	1			9.45			
						PM							M	M	1			10.82			
13.0		HEMATITE BRAN 40°@		PM	VL	PM					P)				1			13.59			
14.4			MONTMORILLONITE FACIES (TRANSITIONAL)			PM	PM				P#			M	S			14.02				
15.0			KAOLINITE FACIES (TRANSITIONAL)			VL	VL	PM			P#		M	M	S		S 01996	15.24	1.52	< 0.001	< 0.01
15.4			QUARTZ-SERICITE						PS	PL	P)	Pa			4		S 01997	15.54	0.30	< 0.001	< 0.01
15.7			KAOLINITE FACIES					PS	PL	PL			M		4		S 01998	16.92	1.38	0.048	1.85
16.1			SILICIC FACIES																		
16.4			KAOLINITE / QUARTZ-SERICITE ?																		
16.6			MONTMORILLONITE FACIES (SUPERGENE)			PL					P)		L	M	S		S 01999	18.29	1.09	0.002	0.02
18.0			PROPYLITIC FACIES (HYPOGENE)	PM	VL	PM					P)		L		S		S 02000	19.69	0.89	< 0.001	< 0.01
20.4			MONTMORILLONITE / PROPYLITIC (SUPERGENE) (HYPOGENE)	PM	VL	PM	VM				P#		L	L	T			20.12			
20.6																		21.64			
22.8																		23.16			
		ANDESITE DIKE WITH PYRITE STRINGERS @ 10°@	PROPYLITIC? AND MONTMORILLONITE? (HYPOGENE)															24.69			
26.2																	S 04201	25.91	1.52	< 0.001	< 0.01
26.7			MONTMORILLONITE FACIES														S 04202	27.43	1.04	< 0.001	< 0.01
27.3			QUARTZ-SERICITE / SILICIC FACIES														S 04203	27.74	0.94	0.012	0.45
27.7		QUARTZ - ALUNITE - KAOLIN, 50°@, 40% SULPHIDES																29.26			
		SILICIFIED, BLACK VEINS/VEINLETS WITH PYRITE, PYRRHOTITE @ 10°@ AND 40°@	MONTMORILLONITE FACIES														S 04204	30.78	1.52	0.025	0.11
																	S 04205	32.30	1.52	0.047	0.08
31.1		HEMATITE BRAN 50°@															S 04206	33.81	1.53	0.001	0.03
32.6		HEMATITE BRAN 70°@	PROPYLITIC FACIES														S 04207	35.31	0.79	0.001	0.03
33.1			MONTMORILLONITE FACIES														S 04208	36.10	0.79	0.001	< 0.01
34.15		END OF HOLE															S 04209	33.83 34.75	0.92	0.001	0.03