

NANSEN PROJECT

HOLE No. 88-87 X	TARGET ORLOFF - KING	SECTION LINE	STARTED: JUNE 11 FINISHED: JUNE 12
COORDINATES NORTHING: 21265.52 EASTING: 18053.17	AZIMUTH: 56° 00' ELEVATION: 1486.92 m	DIP-COLLAR: -50.0° ACID DIP TEST: -49.5°	DEPTH: 24.4 m

ROCK TYPES	MODE	SYMBOLS
OVERBURDEN	B - BLEBS C - COATINGS D - DISSEMINATIONS E - ENVELOPES J - INTERSTITIAL < - VEINLET > PERVASIVE > - PERVASIVE > VEINLET	- VEIN - VEIN (<20cm) - FAULT - FAULT GOUGE - FRACTURES - BREAK - BRECCIA - CRACKLE BRECCIA 40° - ANGLE TO CORE AXIS ≡ ≡ - SHEAR
FELDSPAR PORPHYRY	L - LAMINATIONS M - MASSIVE O - SPOTS P - PERVASIVE Q - PATCHES V - VEINLETS # - BRECCIA FILLING	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
QUARTZ-FELDSPAR PORPHYRY		
MT.NANSEN GROUP VOLCANIC FLOWS, PYROCLASTICS & FEEDER DYKES		
GRANODIORITE		
QUARTZ-FELDSPAR-CHLORITE GNEISS		
AMPHIBOLITE		

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%

DEPTH (m)	VISUAL LOG	LITHOLOGY	ALTERATION											SAMPLE NUMBER	% RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL	oz/t AU	oz/t AG		
			FACIES	CHLORITE	EPIDOTE	CALCITE	MONTMORILLITE	KAOLINITE	QTZ-SERICITE	QTZ-VEINS	PYRITE	VERY FINE SULPHIDES AND SULFOSALTS	LIMONITE						MANGANESE OXIDES	% OXIDATION
1.85		CASINGS - NO CORE RECOVERED																		
3.64		INQUIRY NANSEN VOLCANICS	FRESH (SUPERGENE)																	
4.11		CLAY ALTERED, BLENDERS	OXIDITE FACIES (SUPERGENE)				FL	PH					X	H	5 04856	1.65				
			PROPLITIC FACIES (SUPERGENE)	FF	PL									H	5 04867	1.77	0.47	0.002	0.05	
															5 04868	1.44				
4.71		CLAY ALTERED, HEAVY VEILS OF QUARTZ	ANODITE FACIES (SUPERGENE)				DL						X	5 04869	1.71	1.11	0.005	0.05		
			PROPLITIC FACIES	VL									H	5 04870	1.73	0.53	0.004	0.07		
														5 04871	1.74	0.52	0.007	0.04		
10.36		SLIGHTLY BLENDERS, CRACK-UP BY LIMONITE, MANGANESE, & SIFTER FILLER FRACTURES	KAOLINITE FACIES				VM	PH						5 04872	1.94	0.41	0.003	0.08		
11.20		BRECCIATES, QUARTZ-SERICITE ALTERATION	PHYLIC FACIES (SUPERGENE)				PH						X	5 04873	1.92	0.35	0.001	0.17		
12.30		BRECCIATES, SILICATES, VEINLET	SILIC FACIES (SUPERGENE)				PH	PH					X	5 04874	1.91	0.38	0.005	0.09		
13.00		VEIN ZONE - QUARTZ-SERICITE ALTERED, SUBMITE BLANK, QUARTZ VEINLET & SULPHIDES	SILIC FACIES (TRANSITIONAL)				PH	PH	VM	VM	VM	VM	X	5 04875	1.93	1.30	0.004	2.25		
14.30		BLENDERS	ANODITE FACIES (SUPERGENE)				PH						X	5 04876	1.92	1.28	0.006	0.01		
14.80			PHYLIC FACIES (SUPERGENE)	AL	PH	PL	PL	VM	VM	S			X	5 04877	1.94	0.76	0.001	0.01		
16.10		SUBMITLY ALTERED, ANODAL VEINLET @ 40° ±	PROPLITIC FACIES	PM	AL						VL	VL	L	5 04878	1.76	0.76	0.001	0.01		
															1.75					
															1.87					
															1.91					
															1.92					
															21.74					
															22.86					
24.36		END OF HOLE													24.36					