

## NORANDA EXPLORATION CO. LTD.

Property: NORTH PACIFIC (KRAIN) B.C.

Project No.: 1023

Hole No. 11-69

Sheet No. 1

Lat. 8+00N

Elev. 5490

Dip -90°

Collared Dec. 4, 1969

Core Size BQ

Dep. 12+00E

Depth 351

Bearing

Completed Dec. 8, 1969

Logged by: D.E. Pogg

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Boss Assays				
							Lt.	Cu			
0-46		Overburden									Casing
46-100	95	qtz. dio. to green highly altered & sheared Q.D. chl. sauss. hem. calc.		sparse scatt. specks cpy. mainly in small shears shearing generally 30°							broken, blocky smearing of mafics
100-185	"	mainly green altered shear zones. crushed		8 inches solid sulfide cpy. at 154 in soft shear in zone w. disseminated cpy. estimate 5' approx. 1% Cu		E1968 E1969 E1970 E1971	10 0.30 10 0.16 10 2.18 10 0.10				130-140 140-150 150-160 160-170
				otherwise generally sparse scatt. cpy. in small slips or veinlets of qtz. speck bornite at 179		E1972	10 0.08				170-180
185-200	"	less altered qtz. dio. less smearing of mafics		fine magnetite occ. cpy.							
200-220	"	green altered qtz. dio. - crushed scatt. calc. veinlets at 30°		scattered fine magnetite @ 217 veinlet w. cpy. at 10°		E1973	10 0.12				210-220
220-250	"	same as above locally porphyritic				E1974	10 0.10				220-230 3' fault gouge at 240'
250-290		slightly fresher qtz. dio. - grey except some spotty pink fsp. few calc. slips		few small breaks w. cpy. at 289' etc.							



# NORANDA EXPLORATION CO. LTD.

Property: North Pacific - Krain, B.C.  
 Project No.: 1023

Hole No. 9-69  
 Sheet No. 1  
 Core Size BQ  
 Logged by: D.E. Pegg

Lat. 80+00N Elev. 5290 Dip -60° Collared Nov. 20, 1969  
 Dep. 17+00E Depth 500' Bearing East Completed Nov. 23, 1969

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Boss Assays				
							Fe	Cu	Mo		
0-18		Overburden - gravel									casing
18-45	80	grey basalt		soft, broken, crumbly							
45-87	70	grey basalt & coarse dk. agglomerate									
87-150	80	as above		boulder inclusions of qtz. dio. @88, 95, 110 etc.		E1964 (120-130)	10	0.05			min. py. incl.
150-163	90	grey agglomerate		water leached pitted coarse							
163-181	90	fine grey volcanics									179-180 sil. brown porphyry
181-189	90	coarse well altered granodiorite brown rusty to green bio. to chl. - sauss.		fine scattered py.		E1965 (183-193)	10	0.03	.01		
189-395	90 <sup>+</sup>	granodiorite sauss. pink fsp.		abundant bio. compact mod. fresh							



# NORANDA EXPLORATION CO. LTD.

Property: North Pacific - Krain, B.C.  
 Project No.: 1023

Hole No. 10-69  
 Sheet No. 1  
 Core Size BQ  
 Logged by: D.E. Pegg

Lat. 15+00N Elev. 5450 Dip -90° Collared Nov. 28, 1969  
 Dep. 9+50E Depth 500 Bearing Completed Dec. 3, 1969

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Assays				
0-27		Overburden									
27-93	90 <sup>+</sup>	Qtz. dio. - few narrow breaks w. calc. sauss.		Strgr. cpy. mal. @ 65' grey green fresh coarse - scatt. crushed zones							slips @ 30°-45°
93-100	"	green well altd. qtz. dio.		occ. fine py., cpy. microscopic							
100-250		fresh qtz. dio. occ. green altd. zone		scatt. sparse py. diss. cpy. @ 215 & 222 very blocky							much qtz. mod. mafics
250-350	"	very fresh qtz. dio. calc. sauss. @ 30°		spotted pink-buff (k fsp.) compact							
350-369		as above slight smearing of mafics									
369-400		green well altd. Q.D. chl. sauss in narrow fault gouge		sl. fine diss. py. cpy. < 0.1 @ 378							
400-415		fresh coarse Q.D.		fine grained							

















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Property: NORTH PACIFIC (KRAIN) B.C.

Hole No. 11-69

Project No.: 1023

Sheet No. 1

Lat. 8+00N

Elev. 5490

Dip -90°

Collared Dec. 4, 1969

Core Size BQ

Dep. 12+00E

Depth 351

Bearing

Completed Dec. 8, 1969

Logged by: D.E. Pegg

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Boss Assays				
							Lt.	Cu			
0-46		Overburden									Casing
46-100	95	qtz. dio. to green highly altered & sheared Q.D. chl. sauss. hem. calc.		sparse scatt. specks cpy. mainly in small shears shearing generally 30°							broken, blocky smearing of mafi
100-185	"	mainly green altered shear zones. crushed		8 inches solid sulfide cpy. at 154 in soft shear in zone w. disseminated cpy. estimate 5' approx. 1% Cu otherwise generally sparse scatt. cpy. in small slips or veinlets of qtz. speck bornite at 179		E1968 E1969 E1970 E1971 E1972	10 0.30 10 0.16 10 2.18 10 0.10 10 0.08				130-140 140-150 150-160 160-170 170-180
185-200	"	less altered qtz. dio. less smearing of mafics		fine magnetite occ. cpy.							
200-220	"	green altered qtz. dio. - crushed scatt. calc. veinlets at 30°		scattered fine magnetite @ 217 veinlet w. cpy. at 10°		E1973	10 0.12				210-220
220-250	"	same as above locally porphyritic				E1974	10 0.10				220-230 3' fault gouge at 240'
250-290		slightly fresher qtz. dio. - grey except some spotty pink fsp. few calc. slips		few small breaks w. cpy. at 289' etc.							









# NORANDA EXPLORATION CO. LTD.

Property: North Pacific - Krain, B.C.

Project No.: 1023

Hole No. 9-69

Sheet No. 1

Lat. 80+00N	Elev. 5290	Dip -60°	Collared Nov. 20, 1969	Core Size BQ
Dep. 17+00E	Depth 500'	Bearing East	Completed Nov. 23, 1969	Logged by: D.E. Pegg

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Boss Assays				
							Ft.	Cu	Mo		
0-18		Overburden - gravel									casing
18-45	80	grey basalt		soft, broken, crumbly							
45-87	70	grey basalt & coarse dk. agglomerate									
87-150	80	as above		boulder inclusions of qtz. dio. @88, 95, 110 etc.		E1964 (120-130)	10	0.05			min. py. incl.
150-163	90	grey agglomerate		water leached pitted coarse							
163-181	90	fine grey volcanics									179-180 sil. brown porphyry
181-189	90	coarse well altered granodiorite brown rusty to green bio. to chl. - sauss.		fine scattered py.		E1965 (183-193)	10	0.03		.01	
189-395	90 <sup>+</sup>	granodiorite sauss. pink fsp.		abundant bio. compact mod. fresh							







# NORANDA EXPLORATION CO. LTD.

Property: North Pacific (Krain) B.C.

Hole No. 1-69.

Project No.: 1023

Sheet No. 1

Lat. 12+00N

Elev. 5500' approx.

Dip -90°

Collared Oct. 4, 1969

Core Size BQ

Dep. 15+00E

Depth 504'

Bearing

Completed Oct. 8, 1969

Logged by: D. Pegg.

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	BOSS Assays				
							Ft.	%Cu			
0-65											Overburden - boulder silt
65-207	95%	(Guichon) qtz. dio. frequ. chl. shear/mod. K. fsp. altn.		Specks. cpy. in shears at 66', 69', 101' coarse cal. at 113'							m.g. grey green much qtz. mod. mafics hb. epi.
207-220	"	f.g. dk. green dyke		Specks & fine hairs of cpy.							
220-230	"	Qtz. dio. altn. chl. shears at 231		Occ. minor cpy. Strgn. @ 226	< 0.5	E1936	10	0.03			
230-240	"	Qtz. dio. shear @ 238				E1937	10	0.03			
240-292	"	"		altn. & shear @ 254, 259, 263 cpy. @ 274, 276, 280, 283							
292-297	"	Dk. green dyke									
297-340	"	(Guichon) qtz. dio. pts. altd. w. shears.		Occ. vis. cpy.							

# NORANDA EXPLORATION CO. LTD.

Property:

North Pacific (Krain) B.C.

Project No.:

1023

Hole No.

1-69

Sheet No.

2

Lat.

Elev.

Dip

Collared

Core Size

Dep.

Depth

Bearing

Completed

Logged by:

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	BOSS Assays				
							Fe	%Cu			
340-350	90%	(Guichon) qtz. dio. few shears		Cpy. at 348	< 0.5	E1938	10	0.03			Q.D. to 353
350-360	95%	Altered to dk. green Dyke material & breccia		Minor cpy. in specks & strgrs Some cpy. & bn.	< 0.2	E1939	10	0.04			
360-370	"	"			"	E1940	10	0.07			
370-380	"	"			"	E1941	10	0.10			
380-390	"	"		1" pod specularite at 387	"	E1942	10	0.10			
390-400	"	"		strgr - cpy. in qtz. epi. (2") at 393	"	E1943	10	0.11			
400-410	"	"			"	E1944	10	0.05			
410-420						E1945	10	0.08			Q.D. at 415

# NORANDA EXPLORATION CO. LTD.

Property: North Pacific (Krain) B.C.

Hole No. D.D.H. #1-69

Project No.:

Sheet No. 3

Lat.	Elev.	Dip	Collared	Core Size
Dep.	Depth	Bearing	Completed	Logged by:

Footage	Rec'y	Rock Type/Alteration	Graphic Log	Mineralization/Structure	% Sulfides	Sample No.	Assays				
							Et.	%Cu			
420-430		(Guichon) qtz. dio.		Sparse min - cpy.	0.5	E1946	10	0.05			Epi. strgrs to 423
420-440		"		"		7	10	0.12			Q.D. to 435
440-450		"		"		8	10	0.14			
450-460		"		"		E1931	10	0.11			
460-470		"		"		2	10	0.21			
470-480		Altd. Q.D. to green chloritized faulted dyke rk.		Occ. cpy. scatt. blebs - hematite occ. epi.		3	10	0.12			Altd. zone stops at 472
480-490		Pink buff qtz. dio.		Occ. speck cpy.		4	10	0.07			to 496'
490-504	END	Altd. chloritized Q.D.		Parts well min. cpy. strgrs - blebs		5 (490-500)	10	0.07			END @ 504'

KRAIN DIAMOND DRILL LOGS.

HOLES # 1, 2, 3, 9, 10, 11, 12,