5947

CANADIAN SUPERIOR EXPLORATION LIMITED

DIAMOND DRILLING REPORT
ON THE
IN PROPERTY

940/3W

IN

5947

July 20, 1976

CANADIAN SUPERIOR EXPLORATION LIMITED

DIAMOND DRILLING REPORT

ON THE

IN PROPERTY

LOCATION: 18 miles WNW of Bear Lake, B.C.

Lat: 56°15' N Long: 127°20 W

CLAIM NAMES: In, Con

WORK PERIOD: June 15 - June 20, 1976

J. Baker B.Sc.
Smithers, British Columbia
July 20, 1976

TABLE OF CONTENTS

SUMMARY

The In porphyry copper prospect is situated West of the Squingula River 18 miles WNW from the North end of Bear Lake and is wholly owned by Canadian Superior Exploration Limited.

The property consists of 40 In and Con claims which cover a prominent rust stained mountain deeply incised by In Creek immediately North of which is the area of current exploration activity.

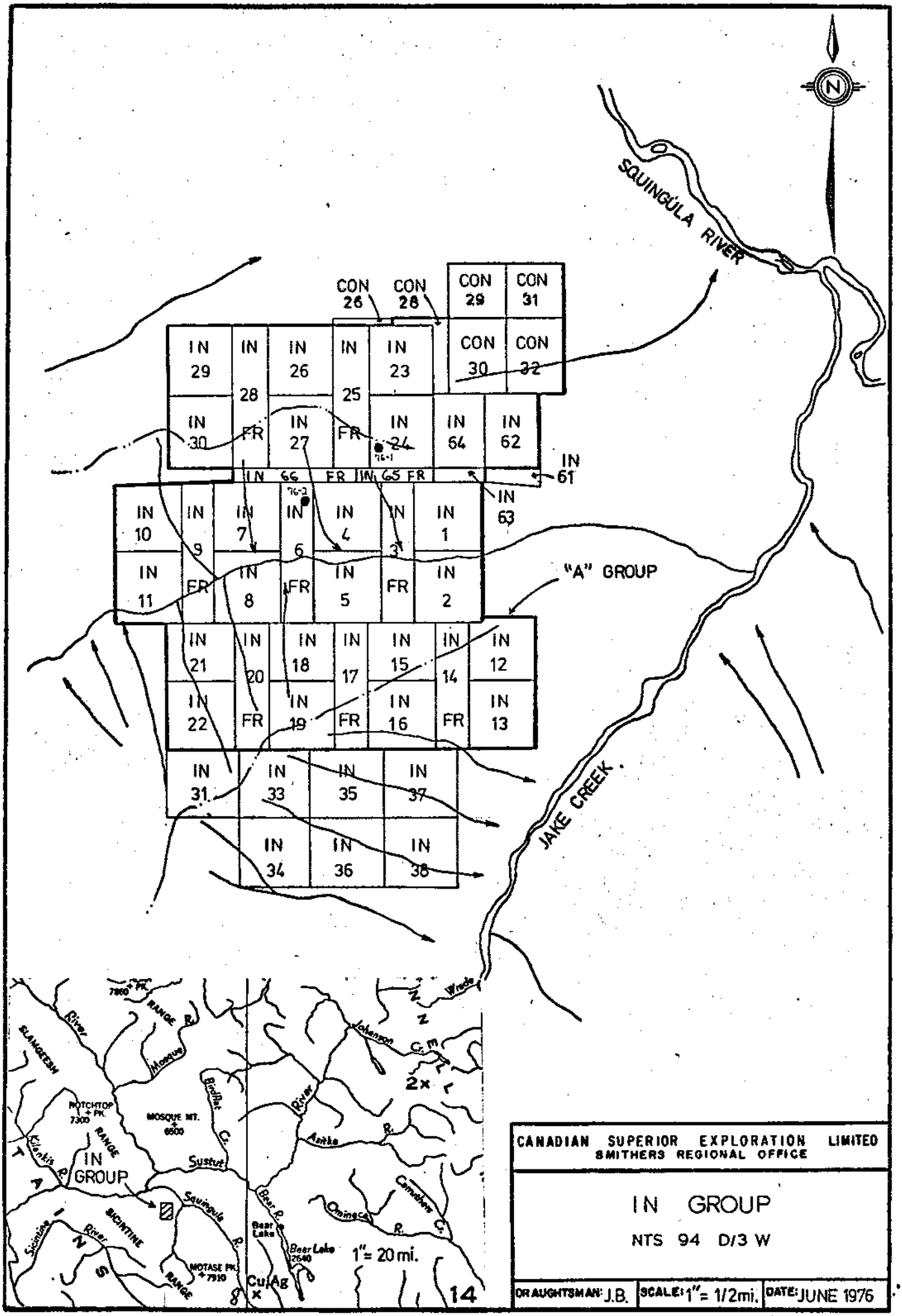
Previous work has included comprehensive soil and rock geochemical surveys, magnetometer surveys, geological mapping and 2955 feet of diamond drilling.

The present property boundary reflects generally the extent of a Northerly elongate fractured and pyritized zone developed within Jurassic/Cretaceous epieugeosyniclinal units intruded by essentially two generations of feldspar porphyry. These intrusives appear dike-like and coalesce into masses with irregular contacts suggesting a subvolcanic level. The earlier porphyry typifies the Tertiary Katsberg intrusions and is cut by biotite feldspar porphyry (BFP) of which at least three varieties have been recognized. This latter group closely resembles the productive intrusives at Babine Lake to the South.

Typical alteration products in the area of chalcopyrite mineralization include sericitization, silicification, locally pervasive secondary biotite and hematite.

During 1976 Canadian Superior undertook a diamond drilling program involving two holes totalling 1007' to evaluate rock geochemical

anomalies not tested by previous holes. Assays were generally low. Work was contracted to J. Thomas Diamond Drilling Limited and wholly supported by helicopter from Smithers. Total cost of the project for 1976 is approximately $45,000.



CANADIAN SUPERIOR EXPLORATION LIMITED
SMITHERS REGIONAL OFFICE

IN GROUP

NTS 94 D/3 W

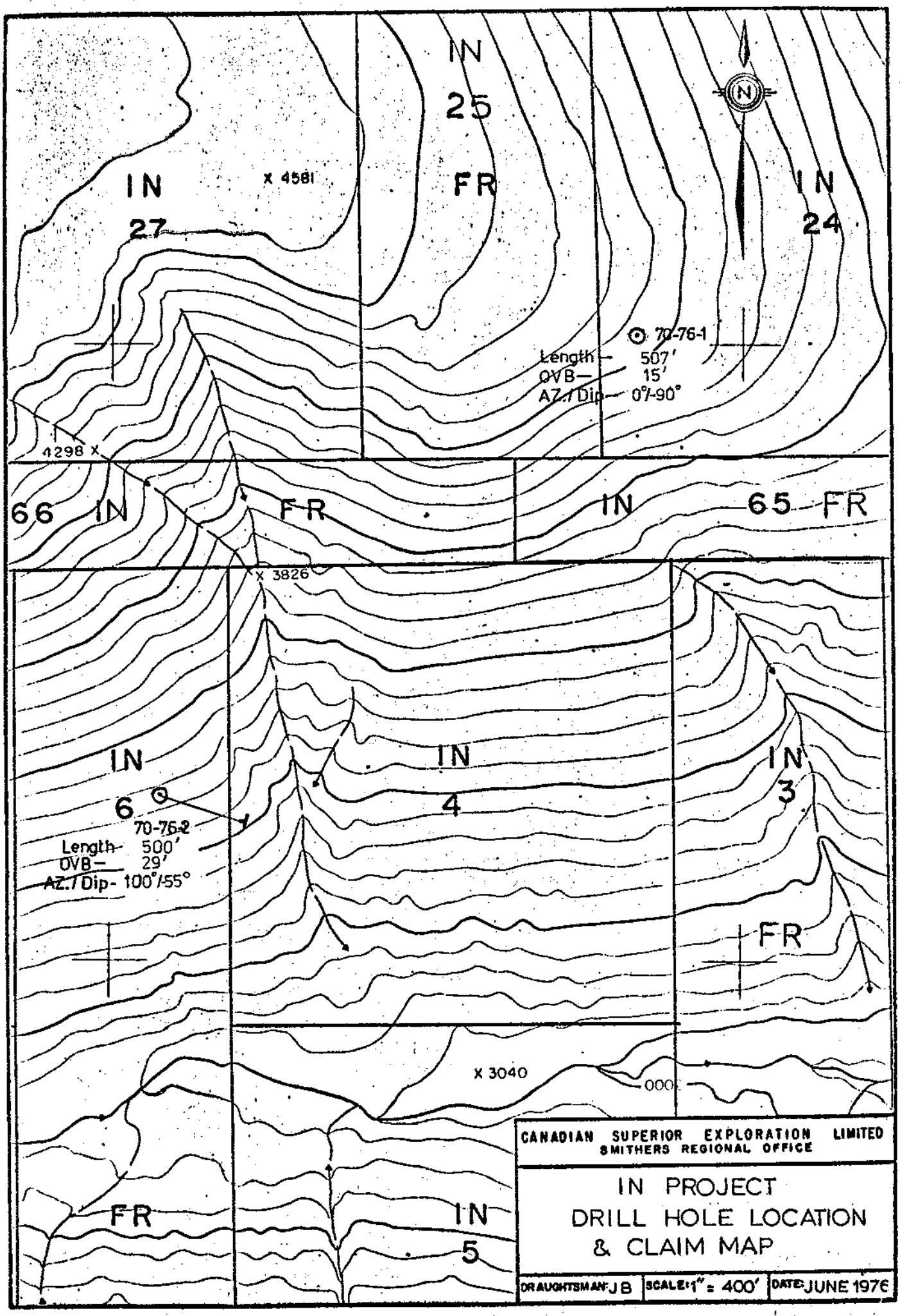
DRAUGHTSMAN: J.B.	SCALE: 1" = 1/2mi.	DATE: JUNE 1976

COST STATEMENT

In support of Affidavit on Application to Record Work on the In A Group of Mineral Claims, Omineca Mining Division.

Costs incurred in site preparation, diamond drilling, supervision core logging and drill moves by helicopter from June 15 - June 20,76.

1.	**Diamond Drilling:**	
	1007' @ $14.00/ft.	$ 14,098.00
	J. T. Thomas Diamond Drilling Ltd. Contractor	
2.	**Drillsite Preparation:**	
	Cost of explosives and supplies	100.00
	J. Hemelspeck, blaster	220.00
	4 days @ $55.00/day	
	N. Polysou assistant	120.00
	4 days @ $30.00/day	
3.	**Project Management supervision, & core logging:**	
	G. Stock,geologist, 6 days @ $50.00/day	300.00
	J. Baker, Exploration Manger Northern B.C.	180.00
	3 days @ $60.00/day	
	N. Polysou, core splitter	180.00
	6 days @ $30.00/day	
4.	**Helicopter support:**	
	9 hours @ $315.00/hr. (Bell 206)	2,835.00
	TOTAL	$ 18,033.00


IN
25
FR
IN
27
x 4581
IN
24
N
70-76-1
Length — 507'
OVB — 15'
AZ./Dip — 0°/-90°
4298 x
66 IN
FR
IN
65 FR
x 3826
IN
6
70-76-2
Length — 500'
OVB — 29'
AZ./Dip - 100°/55°
IN
4
IN
3
FR
x 3040
000
FR
IN
5
CANADIAN SUPERIOR EXPLORATION LIMITED
SMITHERS REGIONAL OFFICE
IN PROJECT
DRILL HOLE LOCATION
& CLAIM MAP
DRAUGHTSMAN: J B
SCALE: 1" = 400'
DATE: JUNE 1976

HOLE NO.: 70-76-1

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____

EAST _____

AZIM: 0° DIP: Vertical

COLLAR ELEVATION: 4275'

LENGTH: 507' CORE SIZE: BQ

DATE OF DRILLING: START June 15, 1976 12:00 AM

COMPLETED June 16, 1976 6:00 AM

DIP TESTS: –

PROJECT: IN PROJECT P-70

CLAIM NO.: _____

LOGGED BY: G. STOCK DATE: June 17, 1976

CORE STORED AT: IN PROPERTY : MOTASE
CONDENSED CORE @ CSE. OFFICE SMITHERS B.C.

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
0	15	ØVB.																				
15	72	Leached	Cap to 72'		locally weakly leached to 176'																	
15	57	QFP	buff to white	Qz PF	Gran	3	Ø	10-20, 80°, 60°	Ka-Ser? Qz	M-A	5	Py	3-4	Cpy	T	2-3						
			crowded fine grained QFP																			
			Py ± Qz observed @ 10-20° primarily						FLT @ 60° @ 49'													
			Limonite lady Jarasitic, Py unTarnished.																			
			41-52' introduction of blebby magnetite					alt'ing to Hem, some chl. associated. No app. RK Type change.														
			this zone is A-H argillic alteration.					Cpy obs'd with Py and Qz @ 20° & 45'														
		Contact	~60° irreg. but distinct.																			
57	61	Meta Sed.	dk grn		Meta	2	Ø	70, 80, 45, 10	Ka-Ser-Qz	A-H	5	Py	2			4						
			highly bleached & altered				Meta sed with f.g. magnetite assoc.															
			Xenolith? weakly-mod brx'd				May alt'ing → Hem Py on all faults.															
61	111.	QFP.	grey-white	Qz P.F.	Gran.	3	Ø-1	0-30, 45-60, 70-80	Ka-Ser Qz	M-H	5	Cpy Py	T 3-4	Ga Sp cc	Ø	1,4,1					*5947	
			local vein like zones of H. silic'n.					Ga, Sp, Qz & trace Cpy @ 78' @ 20° C.C @ 82 ~ 7?														
			min'l'n app'ly related to low angles					has frags of H-X Kaolinized QFP? included														
			70-90' ore 0-30° fract's sulphides +					Qz ū. both lt. Kaolin. & M. Qz as. vein zones.														
			86' alt'n dec't Cc on py				@ 91' &	108 in 3" Brx zone with angular sub-rounded frags ↑ to 1" across. diss'd Bn? in highly ¥ argillized frags @ 30°														
			102-105 appear to have meta-				sed frag. highly altered Argil'd.															

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____
EAST _____
AZIM: _____ DIP: _____
COLLAR ELEVATION: _____
LENGTH: _____ CORE SIZE: _____

DATE OF DRILLING: START _____
COMPLETED _____
DIP TESTS: _____

PROJECT: _____
CLAIM NO.: _____
LOGGED BY: _____ DATE: _____
CORE STORED AT: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
111	131	QFP	Grey-brn.	Qz. P.F.	Gran.	3	∅-1	min'd 0-45 60-80	Qz ka Ser	M-H	5	Py Cc	4 .8	Bn Cpy	∅ .2	2						
			as before variable restricted				alter'n	of Argillic &	Silicic @ 117'			sph. py. Qz. Cc. @ 40°										
			Brx'd ZONE orientated 20° @				131-134	Angular to	Sub. Angular frags. of x			alt'd.										
			Arg & Silic → 2"				in Qz Gal matrix		Py, Sp ω minor Cp			in rounded clumps.		Intense Arg frags								
			appear to contain diss'd. Bn?				also Bn?		in matrix. lower contact			irreg ~45°										
			Becoming highly vuggy beneath BRX ZONE.				Some ω		Cc coatings			@ 136' + Kaol.										
			Sp. clasts evident rounded @ 142'				also Gal Fp		veinlets @ 45°													
			Rock is extremely fractured 139-152' ω sulphides on all fract's even higher x's																			
												Cc	∅	Cov Bn	∅							
131	181	QFP BRX	lt-dk grey		BRX	7	∅	0-90	Qz Ka	A-X	5	Cpy Py	.9 2	Gal Sp	.5 1	7						
			essentially Brx'd QFP in qz/sulphide matrix containing											Water Return lost 100%								
			frags essentially Sub angular but range Ang to sub rounded. Bn, Cpy, Py, Sp, Ga, Cc, Cov obs. in ore.																			
181	216	QFP	wh-grey	Qz PF.	Gran.	3	∅-2	min'd 0-45° 60-80	Qz Ka	A-H	5	Py Cc	4 ∅	Cpy Nat Cu	∅	4,7 2'	207'-208'					
			Qz as veinlets on local scale 3" becomes flooded.						Cc assoc. ω diss'd Py.			some Py @ 80° incs. w. depth.										*5947
216	240	META SED?	brn-dk grn		META	2-3	∅-1	0-30 45-60 70-80	Qz Ka Chl. Ser.	A-H	3-5	Py	2	Ccp.	5	44						
			upper contact somewhat diffuse				app'ly around 60°		brown for a foot grading to dk grn.													
			mixed ZONE of primarily Meta sed. X-cut by QFP which has had chl. added. Mag. banding @ 60°.																			
			Cpy much improved along fractures ω qz ± py. contact @ 225' @ 75° units are 2-3 feet wide																			
			GRADE: .20 No preferential min'l'd distn. Hem. after Magnetite. Cpy blebby within veinlets.																			

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____ PROJECT: _____
EAST _____ CLAIM NO.: _____
AZIM: _____ DIP: _____ DATE OF DRILLING: START _____ LOGGED BY: _____ DATE: _____
COLLAR ELEVATION: _____ COMPLETED _____ CORE STORED AT: _____
LENGTH: _____ CORE SIZE: _____ DIP TESTS: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
240	250	QFP	Lt grey	Qz PF	Gran	3	Ø-1	30-45-60, 70-80	Qz, Ka Ser Chl,	M-A	3-5	Py	3	Cpy	Ø	4						
				still with Chl.	assim.	of meta-sed.	Small PFP dyke 2" wide @ 245-247 at @ 60°															
				Py & Qz	assoc.	~ 30-60°	Sp, Py, Cpy & minor		Gal @ 243' lower contact @ 40°.													
250	265	PFP	grey	PF	Gran.	5	Ø-1	30, 45, 60, 80	Ka Ser Qz	M-A	5	Py	3	Cp	Ø	6, 2						
				well developed PF porphyry exhibiting f-mg. sub x'tal - x'taline Ms (hexagonal)																		
				Ground mass is hight siliceous ~ some diss'd Py (2%) Plag. phenos white to clear.																		
				3" frag of QFP @ 251' to 251.3'. Phenos exhibiting modevate to strong Kaolinization.																		
				no apparent chill margin. qz along veinlets 30-60° ± py.																		
				lower contact ~ QFP @ 40°																		
265	270	QFP/Meta Sed?	buff to grey	Qz PF	Gran	2	Ø	0-90	Ka Qz Chl Ser.	A-H	3-5	Py Cpy	2 .3			5, 3						
				appears to be frag? of QFP although is nearly aphanitic																		
				x-cut by qz veins & veinlets ~ abund. Mag. alt'g to Hem.																		
				lower contact obliterated.																		
																					#5947	
270	292	PFP	Lt-Speckled Grey	PF	Gran.	5	2	45-30-60	Ka Ser Qz	M-A	5	Py Cpy	<3 .3			5 3						
				frag. of alt'd x-argill. QFP 272-3' orientated 45°, top & bottom irreg.																		
				Qz as veinlets																		
292	305.5	QFP/Meta Sed	Lt Grey		Meta/Gran	2	Ø-1	10-30, 45, 60, 80	Ka Ser Chl Qz	A-H	3-5	Py Cpy	1-2 .4			5 4						
				Cpy ~ Qz ± Py veinlets & as diss'd & as discrete blebs, locall flooded with qz & higher argillic																		

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____
EAST _____
AZIM: _____ DIP: _____
COLLAR ELEVATION: _____
LENGTH: _____ CORE SIZE: _____

DATE OF DRILLING: START _____
COMPLETED _____
DIP TESTS: _____

PROJECT: _____
CLAIM NO.: _____
LOGGED BY: _____ DATE: _____
CORE STORED AT: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
305.5	337.5	PFP	Speckled grey	PF.	Gran.	5	∅-2	0-30, 45, 60	Ka Qz Ser	A-H	3	Py	1	Cp	T	4, 2-3						
				Gal/Qz/Py @		309 ½ 336.5 py		diss. as grains & blebs & w qtz & locally cpy in veinlets														
				Contact	sharp	distinct @ 60°		lower unit exhibits chill margin ½ - 1"														
337.5	507	PFP-2	Cream to grey	PF	Gran PPy	4-5	3-4	20-30, 45, 70	Ser Qz ka	B-A	5?	Py Cpy	1-2 ∅	Sp Gal	∅ ∅	3, 2, 1						
				This PFP has a mixture of Qz & Fp as a groundmass and a slightly smaller phenocryst size.														Fp w greenish caste				
				alth seems to be slightly diff ser'c'n or propylitic. Still has hexagonal Ms.																		
				Rims of phenos appear more sericitized. Locally ppy texture is not so pronounced but																		
				this appears due to increase in Fp. in ground mass rather than decrease in Fp phenos																		
				Texture most obvious w high siliceous matrix																		
				Sp 365' veinlet Py diss'd in matrix decr. to .5-1%																		
				4" brx @ 358 py. only sulphide obs'd.																		
				Sp 365' bleb along fault. 391' Sp & Gal. in veinlet																		
				locally greenish — addition of Chl.?																		
				406-410' Sp. & Gal.																		
				414 → grain size variation & matrix composition changing. fracturing decreasing to 8" - 1'																		
				495' py sp., 501' py Sp Gal. 6" zone pri. Py 441 Py. gal Sp.																		"5947

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH
EAST
AZIM: 100° DIP: -55°
COLLAR ELEVATION: 3625'
LENGTH: 500' CORE SIZE: BQ

DATE OF DRILLING: START June 17, 1976.
COMPLETED June 19, 1976.
DIP TESTS: -

PROJECT: IN PROPERTY (P-70)
CLAIM NO.:
LOGGED BY: G. STOCK DATE: June 19, 1976.
CORE STORED AT: In Camp. Condensed Core @ CSE Office (Smithers)

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
0	29	ØVB																				
29	144	LEACHED	CAP	: weak, inconsistant & locally not developed at all, Primarily Ja ± minor Hem. to about 144'. Local limonite zones developed after that along minor shears. Only minor local supergene development.																		
29	54	PFP	Lt Spek. gry	P.F. Ms.	FRAN/PPY	5	2-6	30, 45, 60, 80	Sauss. Kad. Ser Qz	M-A	5	Py	1-15			8						
				w Ms!			@ 33' ALT'N CHANGE		Ser Ka Qz	A-X	5											
				FLT GRAVEL @ 46'. NO re'x'tal last ½"			Supergene. lower contact itself is		@ 54'~55° high Argillic.		PFP silicified. Pervasively & rex'talized alt'n ¼"-1" in lower unit.											last 2-3 inches. Clasts ± ½" dis'd in lower unit.
54	88	PFP	wht.-brn gry	Bi? Fp. Ms.	Gran/ppy	3-4	4-5	0-30-45-60-80	Ser. Chl. Qz Bio(2'ndy)	A-X	9-5	Py Bn	2-3	Cc MoS2	Ø Ø	5,338R						
				Moly in 30° shear @ 68 & 69'																		
				@ 55.5' grades into good A-H (ser'd) BFP, silicified first 1½'.																		
			x'	Silicified from 62-69'; good BFP 72-74' (Ser'd) becoming mod sil'd																		
				Bn on fractures w Cu @ 86'. Cc coating Py @ 77' w abund. Kad.																		
				Shattered w Qz @ 87'			@ 25°		Contact @ 70° w abund Qz matrix BFP clast Brx @ 25° Chl'd relict Bio!													
88	98.5	PFP		@ 91' Arg. BFP dyke (5") @ 45° 4" Brx @ 45° dyke intruded along upper contact. QFP → 94'																		*5947
				@ 94' 3-4" wide Brx @ 55° w PFP matrix & QFP clasts sil'd. QFP, BFP sil'd. tough to tell diff.																		
				QFP to 95' contact irreg ~ 50° w PFP to 95.8' weakly Brx'd QFP. grading to solid then shattered.																		
				97-98' contact @ Sim to 45° back to Brx but with PFP matrix ¾" and abund. QFP & minor PFP clasts.																		

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

HOLE NO.: 70-76-2

LOCATION: GRID COORD. NORTH _____ EAST _____ PROJECT: _____

AZIM: _____ DIP: _____ DATE OF DRILLING: START _____ LOGGED BY: _____ DATE: _____

COLLAR ELEVATION: _____ COMPLETED _____ CORE STORED AT: _____

LENGTH: _____ CORE SIZE: _____ DIP TESTS: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
98.5	107	QFP	lt. grey	Qz PF	Gran/ppy	3	Ø-1	min'l'd Qz 10-30, 60-80	Qz Ka Ser	M-H	5-3	Py	2	Cc	Ø	4,2,5 Py						
				locally ω	extreme Argillic Alt'n Py veinlets @ low %						to core	Ax										
	↓			lower contact 40-50			chilled margin below.															
107	123	PFP	spk grey	PF Ms.	Gran/ppy	4-5	2-3-4	30, 45, 60, 80	Qz Ka Ser	M-A	5-3	Py	1			3						
				Ser. rims	on	prop'l'd	PL ppy's	108-110	low %	qz, py & blk. Min'l @ 10-30°												
123	144	QFP	lt. grey	Qz PF	Gran/ppy	3	Ø	10-30, 45-60, 80	Qz Ka Ser	A-X	5-9	Py Cpy	4-5 %	Cc	Ø	5,2,1						
				lower contact @ 45°		upper contact @ 70°.			random QFP intruded PFP.			PFP has 1/8 - 1/4 sil'd reaction zone.										
				QFP is increasingly sil'd ω depth.																		
				Cpy & drastically - assoc ω py as blebs & veins but not dissem.																		
144	148	PFP	m-dk grey		Gran	4	1-2	30-45-60	Qz Ka	A-H	5	Py Cp	T			4,3						
				lower contact exhibits chill margin and seemingly alters top 2" of underlying PFP.																		
148	184.5	PFP	Spk grey	PF Ms	Gran	4-5	1-6	30-45, 60	Ka, Ser, Qz Chl.	M-A	3-5	Py	1			5						
				ω Ms x'tals zone PL pheno in PFP @ 45° contact			@ 152' only locally		Prop. Lower contact exhibits flow banding													
							@ lower contact.															
184.5	198	QFP	grey	Qz PF	Gran/ppy	3	Ø-1	20-30, 45, 60, 80	Ka, Ser, Qz, Chl	A-H	9-3	Py Cpy	4 %	Gal Sp	Ø Ø	4,3,2,2						
				across contact get py/cpy as stringers & blebs. Locally argillized and exhibiting incr. silic'n down ward																		
				1/2" Gal, Sp, Py, Cpy, Qz vein @ 25° & 191' lower contact @ 60°																		

*5947

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____
EAST _____
AZIM: _____ DIP: _____
COLLAR ELEVATION: _____
LENGTH: _____ CORE SIZE: _____

DATE OF DRILLING: START _____
COMPLETED _____
DIP TESTS: _____

PROJECT: _____
CLAIM NO.: _____
LOGGED BY: _____ DATE: _____
CORE STORED AT: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
198	227.5	PFP	Spk. Grey	PF Ms	PPy	5	1-3	70-45-60-30	Ka Ser Qz Chl Cal.	M-H	3-5	Py	.7			5					
		Py as dissm. blebs along random fractures.																			
		lower contact @ 50° & irreg. locally chl'd relict Bio																			
	✓																				
227.5	231.5	META-SED	grn-red Brn.		Meta/Sed?	2	∅	20-30-45-50-60	chl, Ka, Ser Qz	A-H	1-3	Py Cpy	3 1.0			3-4						
		lower contact @ 35°																				
231.5	239	PFP	Spk White	PF Ms	PPy	3-4	2-5	20-30-60-80	Qz Ka Ser	B-A	5	Py	T			8						
		fairly quickly cooled, thus smaller grain size although Ms is relatively same size.																				
		lower contact @ 40°																				
239	306	Meta/QFP	white & redbrn-grn	Qz PF	local ppy Meta	2-3	∅-2	10-30-60-45-80	Ka Chl Ser Qz Cal	A-H	3-5	Py ∅ Cpy	4 .8			3						
		mixed zone of Meta Sed (Hornfels?) & QFP intruded around by PFP																				
		Meta 239-259 lower @ 70° 261-265.5 diffused. 276.5-277 diff. 290-293 294-308																				
		QFP 259-261 lower contact ~ 60°, 265.5-276.5 diff. 277-290 diff 293-294 308-306																				
		QFP/PFP contact ~ 30°																				
306	314.5	PFP	Spk grey	PF Ms.	PPy	5	2-4	30-45-60	Ka Qz Ser Chl	A-H	5-9	Py Cpy	1-1.5 T	Gal Sp	∅ ∅	3,3 11					5947	
		as a result of assim & silic'n top 3' & bottom 1.5' exhibit some Chl.																				
		Sp+Gal+Qz+Py @ 309' @ 45° trace relict Bio																				

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____ EAST _____ PROJECT: _____
AZIM: _____ DIP: _____ DATE OF DRILLING: START _____ CLAIM NO.: _____
COLLAR ELEVATION: _____ COMPLETED _____ LOGGED BY: _____ DATE: _____
LENGTH: _____ CORE SIZE: _____ DIP TESTS: _____ CORE STORED AT: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
314.5	338	QFP/META	lht to reddish-grn	Qz PF	INT/META	3-2	ø - 2	0-20-30-45-60-80	Ka, Qz, Ser, Chl	A-H	5-3	Py Cpy	2-2.5 .3			5,3						
				upper Cnt		~ 40°	Cpy assoc w py along veins & as blebs most commonly															
				assoc w in best mixed zones.																		
338	415	PFP	grn-gry to Spk grn	PF Ms	GRAN/PPY	4-5	2-5	20-30-45-60-80	Ka, Qz, Ser, Chl	M-A	3-5	Py Cp	.3 T	Cal Sp Hem	ø ø ø	6,3,4,5,1						
				upper Cnt		@ 70°	very thin chill margin developed															
		!		Gal, Sp, Cpy Py		@ 55° & 382'	384' & 379'															
				@ 384' Flt gouge, relict Bio.																		
415	449	QFP/META	grey to reddish to grn	Qz PF	PPY/META	3-2	ø-2	20-30-45-60-80	Ka, Qz, Ser, chl, Hem	A-H	5-3	Py Cpy	4 45			4,2						
				lower contact @ 45° upper contact @ 75° minor chilling on PFP.																		
415	418	QFP/meta																				
418	421	PFP		PFP @ 30° @ top, bottom 65°																		
421	449	QFP/META		427'-430' BRx primarily w QFP frags.																	5947	
				upper contact @ 30°																		

HOLE NO.: 70-76-2

CANADIAN SUPERIOR EXPLORATION LIMITED

DRILL HOLE LOG

LOCATION: GRID COORD. NORTH _____ EAST _____

AZIM: _____ DIP: _____

COLLAR ELEVATION: _____

LENGTH: _____ CORE SIZE: _____

DATE OF DRILLING: START _____ COMPLETED _____

DIP TESTS: _____

PROJECT: _____

CLAIM NO.: _____

LOGGED BY: _____ DATE: _____

CORE STORED AT: _____

FOOTAGE		ROCK TYPE					FRACTURES		ALTERATION			MINERALISATION					ASSAYS					
FROM	TO	RX TYPE	COL.	QUAL. MIN.	TEX.	GR. SIZE	DENSITY	ANGLES TO AXIS	MINERALS	INT.	FACIES	MIN.	%	MIN.	%	MODE	SAMPLE No.	INTERVAL	% Cu.	% Mo.		
449	456	PFP	Spk Gry	PF Ms	Ppy	5	2-5	20-30-45-60-80	Ka Qz Ser Ch	M-A	3-5	Py Cpy	.5 .6			6,4						
456	459	Meta/Brx	dk gry		Brx	6	ϕ-2	30-45, 60, 80	Qz, Ser, Ka	A-H	5-9	Py Cpy	ϕ			5,3						
				Brx underlying Meta.			lower meta contact		@ 70° 456'													
459	463	PFP, Meta, QFP. (Assorted Mush Frag)			Mush	3-5	ϕ-3	20-45, 60, 80	Qz, Ser, Ka	A-H	5-9	Py Cpy	T			4,2						
463	500	PFP	Spk Gry	PF MS		5	ϕ-2	min'l'd 30-45-60, 80	Ka Ser Qz ch	A-X	5-9	Py Cpy	.8 .6	Gal Sp. MoS_2	ϕ ϕ	4,9 1,1 6						
				478.5'- 482.5' Brx w abund. QFP & PFP frags.																		
				Gal. & Sp. Py. Cpy. & Qz matrix. Brx @ 30°																		
				locally w hem., Cpy becoming dissem. appear to have assim'd some sed frags. gen ch.																		
				Relict Bio.																		
																					* 5947	