671361

ID DRILL HOLE RECORD

Jean
J.W.

overburden + rubble 0-10'

LEVEL Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-1
LOCATION NBC Grid JEAN GROUP	COLLAR 206	47		LENGTH 408	SHEET No. 1
ELEVATION				COMPLETED Aug	LOGGED BY:
LATITUDE N	52W - 03N			PURPOSE	Harivel
DEPARTURE E				TOTAL RECOVERY 98%+	

Box #	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/1	10	29	rock is slightly saussuritized diorite (no visible qtz, calcic plag over K-spar) with sphene as accessory mineral (in this section is amber to brown & waxy on fresh-split surface) and magnetite (& hematite) as accessory. Sample (2") at ≈ 22' hornblende as mafic CI 30-40 often chloritized completely	10, 20	well disseminated sulphides of Cu, Fe minor Mo + limonite + malachite appreciable hematite as altered product after magnetite (accessory rock mineral) qtz vein 22° to core 18'8" + mineralized fracture 17'0" epidote (chlorite) on some fracture surfaces @ 50°	2-5% CPY = PY
2/1	29	33'10"	diorite (altered) with notable increase in amount of pink feldspar (both veins and alteration of rock f'spars): overall rock = green-pink (saussurite + pink f'spar)	30, 35	a number of pink f'spar qtz veins with sulphides of Fe Cu Mo angles to core 20°, 40°	
1/2	33'10"	34'6"	qtz vein with sulphides	36	PY + MoS_2 + CPY 20° to core	
2/2	34'6"	35'10"	grey feldspar porphyry dyke which is in part pink-f'sp. altered and cut by mineralized fractures	37	20-30° to core	
3/2	35'11"	54'	beginning of distinct rock type called diorite but could be called monzo-diorite (non-magnetic) no qtz 30% white plag (calcic (?)) euhedral - zoned 30% pink f'spar anhedral g'mass 30-40% h'blende (altered) subhedral with sphene + hematite ≈ 1% 52-53 increase in Cu Fe Mo sulphides		with occasional sulphide-bearing fracture @ 50°, 20° epidote (chlorite) on fractures 50° in fractures ‖ to core (<10°)	
4/2	54	55	leucofeldspar (more like 1/1) with minor dissem. Cu Fe Mo sulphides		increase in h'bl.	

ASSAYS / RECOVERY

SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.
53551	10	20	10'		0.38	0.004				>95%		
52	20	30	10		0.13	.014				"		
53	30	40	"		0.22	.22				"		
54	40	50	"		0.02	.002				"		
55	50	60	"		0.06	.001				"		
56	60	70	"		<.01	<.001				"		
57	70	80	"		<.01	<.001				"		
58	80	90	"		.02	.001				"		
59	90	100	"		.03	.005				>80%		
60	100	110	"		.06	.001				>95%		
61	110	120	"		.01	.001				"		
62	120	130	"		.02	<.001				"		
63	130	140	"		.01					"		
64	140	150	"		<.01					"		
65	150	160	"		<.01					"		
66	160	170	"		.02	<.001				"		
67	170	180	"		.04	.003				"		
68	180	190	"		.14	.029				"		
69	190	200	"		.01	.020				"		
70	200	210	"		.02	.014				"		
71	210	220	"		.06	.047				"		
72	220	230	"		.05	.017				"		
73	230	240	"		.06	.005				"		
74	240	250	"		.03	.013				"		
75	250	260	"		<.01	<.001				"		
76	260	270	"							"		
77	270	280	"							"		
78	280	290	"							"		
79	290	300	"							"		
80	300	310	"			<.001				"		
81	310	320	"			.004				"		
82	320	330	"			<.001				"		
83	330	340	"							"		
84	340	350	"							"		
85	350	360	"		<.01					"		
86	360	370	"		.04	<.001				"		

ND DRILL HOLE RECORD

LEVEL Surface		BEARING / DIP / TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-1
LOCATION NBC GRID on JEAN GROUP		COLLAR 206 / 47	LENGTH 408	SHEET No. 2
ELEVATION			COMPLETED Aug 8 1970	LOGGED BY:
LATITUDE	N	52W - 03N	PURPOSE	Harivel
DEPARTURE	E		TOTAL RECOVERY 98%+	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo (ZN)	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.
5/2	55	56	characterised by zone of serpentinization wherein (plag) euhedra altered to jade green, soft "mineral"		fracture @ 20° with PY + grey gouge (?)		53587	370	380	10'		.02	.004				>95%		
								380	390	"		.02	.003				"		
								390	400	"		.03	.062				"		
								400	408	8'		.01	.001				"		
6/2	56	57+	as for 4/2		sulphide bearing fracture @ 25°														
		*	whole of rock in Box 2 33'10" - 57+' is non-magnetic																
1/3	57+	59	mildly saussuritized diorite with green-cream plag. euhedra, lesser pink feldspar (<20%) and obvious magnetite (magnetic)		CPY PY - bearing fractures @ 25° and >10° which intersect and occur in location of qtz pink F'spar vein.														
		*	ALL ROCK THIS BOX MAGNETIC																
2/3	59		rock gradually loses pink feldspar but grey-glassy k-spar in place of pink. gradual increase in biotite content of rock. CI 35+ Biotite : Hblende 1:3 or 1:4 (biotite sometimes ⇒ chlorite) occasional andesitic or andesite porphyry xenolith (?) or self inclusion		occasional PY - CPY - HEm - bearing QTZ, pink spar vein at about 25° to core. one @ 50°														
		80'6"																	

ID DRILL HOLE RECORD

LEVEL Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-1
LOCATION NBC Grid JEAN GROUP	COLLAR 206	47		LENGTH 408	SHEET No. 3
ELEVATION				COMPLETED Aug 8 1970	LOGGED BY:
LATITUDE N	52W - 03N			PURPOSE	Hariwel
DEPARTURE E				TOTAL RECOVERY 98% +	

entry / box #	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY RUN	MEASUR'D	% REC.
1/4	80'6"		whole of this box is relatively fresh rock of grey med. grained monzonite :— occasional visible qtz biotite present in appreciable amounts (BIO': HBL' 1:2, 1:3) and CI 30-35) Calcic plag: Na plag, not known	occasional CPY-PY and (or) MoS₂-bearing fracture usually intimate with qtz pink f'spar veins and @ low angle to core / epidote on some fractures also														
2/4	96'2"		large (2" wide) qtz-k-spar vein 96'2"															
3/4	106'6"	107' 108' *	serpentinized-kaolinized section @ 106'6" followed by 3 CPY bearing fractures	@ 20-25° to core														
			* except vein altered rock box contains magnetic rock ⇒ magnetite															
1/5	108	112'8"	moderately fresh monzonite with obvious biotite — CI 35-40															
2/5	112'8"	115'0"	section of increasingly to tapering alteration - rock generally light green and non-magnetic slightly serpentinized and shows hematite after magnetite. very poorly preserved euhedra															
3/5	115'0"	132'9"	moderately fresh to fresh, magnetic monzonite	with occasional PY-CPY-[illegible]-qtz in fractures: <20° to core (2) 50° to core (3)														
1/6	132'9"	156'0"	generally very fresh to mildly altered monzonite (visible qtz, fair % biotite	small amounts CPY, PY assoc. w. pink feldspar and epidote alteration or veins-fractures														
1/7	156'0"	171'	fresh to altered (at margin of dyke following) monzonite	with few CPY - PY fractures														

ID DRILL HOLE RECORD

LEVEL Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-1
LOCATION WBC grid JEAN GROUP	COLLAR 206	47		LENGTH 408	SHEET No. 4
ELEVATION				COMPLETED Aug 8 1970	LOGGED BY:
LATITUDE N	52N	03N		PURPOSE	Harwel
DEPARTURE E				TOTAL RECOVERY 98% +	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/1	171	176'9"	grey feldspar porphyry dyke with [illegible]		(sulphide bearing cpy+py fractures @ 20-30° and disseminated py-cpy very shattered (relatively)	
	176'9"	177	pink-green diorite(?)			
1/8	177	209'9"	pink-green to pink diorite(?) which [illegible] locally, much pink feldspar alteration in some sections and this seems to be associated with [rel. increase in qtz (veins)] copper mos2			
			where pervasively pink-feldspar altered rock is not magnetic (magnetite to hematite.)			
2/8	189		also suggestion of hypothermal biotite(?)			
	198'6"		occurrence of chalcocite(?) in vein → 10°			
		200'9"				
1/8	200'9"	214'6	generally fresh, magnetic monzonite or monzodiorite locally less fresh (211'6"-10")		20% qtz-py-cpy-mos2 fracture-vein 1"	
3/8	214'6"	224	generally more pink-feldspar-altered & sanmmitized of the above but local fresh (biotite evident) patches 5 or six qtz-pink-feldspar-biotite (hydrous) - py-cpy-mos2 veins @ 20-30-40 to core 20-30° also minor grains py-cpy			

ASSAYS										RECOVERY		
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.

ID DRILL HOLE RECORD

LEVEL	BEARING DIP TYPE OF SURVEY	CORE SIZE	HOLE No. J-1
LOCATION	COLLAR	LENGTH	SHEET No. 5
ELEVATION		COMPLETED	LOGGED BY:
LATITUDE N		PURPOSE	
DEPARTURE E		TOTAL RECOVERY	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
235 -	247'0"	characterized by spectacular p-k alteration with numerous qtz-pk spar - dolomite (?) - biotite (hydrothermal) only few biotite-free spots.		pelespar py-cpy-MoS_2 at low angle to core (20°±)	
229	232	very altered section (buff-p-k			
247'	247'6"	grey feldspar porphyry dyke with white phenocrysts which become progressively altered (grass-p-k) to 252 where was p-k with green phenocrysts + minor disseminated py		phenocrysts greener py	
		weakly magnetic when grey - non mag. when p-k			
1/11	270'6"	bar mostly p-k with p-k-grey feldspar porphyry dyke			
1/12	270'6"	295'10"	vari~~ably~~ altered feldspar (biotite?) hornblende porphyry dyke	with occasional grain of pyrite (cube)	
1/13	295'10"	306'	p-k-grey of above		
	306'10"		Kaolinized (argillic alteration) +	"	
		320'6"	segmentation of the above		
1/14	320'6"	322'6"	as above with slightly chilled margin		
2/14	322'6"	325'	monzonite (argillic alteration as above) i.e. imposed after dyke		
3/14		327	fresh (w. biotite), magnetic		
	327	328	same as type of above		
	328	328'9"	aplite dyke	cut by py-bearing fracture.	

ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE

RECOVERY RUN	MEASUR'D	% REC.

ID DRILL HOLE RECORD

LEVEL	BEARING DIP TYPE OF SURVEY	CORE SIZE	HOLE No. J-1	✓
LOCATION	COLLAR	LENGTH	SHEET No. 6	
ELEVATION		COMPLETED	LOGGED BY:	
LATITUDE N		PURPOSE		
DEPARTURE E		TOTAL RECOVERY		

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE / MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY RUN	MEASUR'D	% REC.
1/14	330'9	343'0	rel. fresh (w. biot) generally															
			but with some altered (non magnetic sections															
1/15		351	fresh monzo-diorite															
	351	352	moderately altered section	with fractures w. PY														
				+ calcite + gouge														
				+ muscovite(?) alteration														
	352	355+	as for 1/15															
	355'4"	357'3"	aplite dyke of red-pink spar, qtz etc.															
				cuts @ 15°														
	357'3	358'	as for 1/15															
	358	361	more altered to intensely altered															
			of 1/15 with disseminated	PY <2%														
	361	365	qtp dyke with do "	" "														
	365	369'6	aplite dyke with qtz stringers	PY-CPY + epid														
1/16	369'6"	377	" " " " "															
			variably altered " with "	" "(minor) "														
	377																	
			altered (argillic serpentinization)	occasional qtz pink spar														
			386	CPY-PY-MoS2 fracture in														
		391	monzodiorite.	+ pink dolomite(?)														
1/17	~~39~~	393	as above to 393 when spectacular	with intrusive qtz + CPY-MoS2-PY														
	393	395+	brecciation as described below															
		396+	serpentinized severely															
	396	397	lesser "															
	397	398	" alteration to grade into	+ CPY-PY MoS2 on														
			1/15	fractures (2 or 3)														
				with some dissemination														
		408	fresh 1/15	" " "														

IOND DRILL HOLE RECORD

N.B.C. SYNDICATE

Over-
burden & rubble 0-10')

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-1
LOCATION	Jean Group	COLLAR	206°	47°	LENGTH	408	SHEET No.	1
ELEVATION			52W-03N		COMPLETED	Aug. 1970	LOGGED BY:	Harivel
LATITUDE	3400 N				PURPOSE			
DEPARTURE	52+00 W				TOTAL RECOVERY	98%+		

Entry # / Box #	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE / MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/1	10'	29'	Rock is slightly saussuritized (?) diorite (?) (monzo-diorite) (no visible qtz., calcic plag. over k-spar) with sphene as accessory mineral (in this section is amber to brown and waxy on fresh-split surface). Magnetite (altered to hematite) is also an accessory. Hornblende (altered to chlorite) as major mafic. C1 30-40 rock contains well disseminated sulphides of Cu (CPY), Fe (Fe_1S_2) and minor Mo with limonite and malachite plus appreciable hematite (after magnetite). Qtz. vein 22° to core & mineralized fracture @ 20° and epidote, chlorite (?) and serpentine on some fractures @ 50°.		2-5% CPY-PY
2/1	29'	33'10"	Diorite (altered) with notable increase in amount of pink feldspar (both veinous & after alteration of rock feldspars). Overall rock is green-pink (saussurite + pink feldspar) qtz. veins with sulphides of Fe, Cu, Mo (Fe_1S_2), $CuFeS_2$, MoS_2); angles to core 20°40°.		
1/2	33'10"	34'6"	Qtz. veins with PY, MoS_2, CPY @ 20° to core.		
2/2	34'6"	35'11"	Grey feldspar porphyry dyke which is in part pink-feldspar-altered and cut by mineralized fractures 20°-30° to core.		
3/2	35'11"	54'	Beginning of distinct rock type called diorite but could be called monzo-diorite (non-magnetic) with occasional sulphide-bearing fracture @ 50°,20°, no qtz., 30% white plag. (calcite (?) euhedral, 30% pink feldspar anhedral - epidote on some fractures - chlorite, 30-40% hornblende (altered) anhedral with sphene and hematite 1%, 52'-53' increase - Cu, Fe, Mo sulphides in fractures 11 to core (less than 10°).		
4/2	54'	55'	Less pink feldspar (more white 1/1) with minor disseminated Cu Fe Mo sulphides (increase in hornblende)		
5/2	55'	56'	Characterized by zone of serpentinization wherein plag. euhedral altered to jade green soft "mineral", fractured at 20° with PY and grey gangue.		

ASSAYS (Mo)

SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVE RUN	RECOVE MEASU
53551	10	20	10'		0.38	0.004			less than	95%	
52	20	30	10		0.13	.014			> "		
53	30	40	10		0.22	.22			"		
54	40	50	10		0.02	.002			"		
55	50	60	10		0.06	.001			"		
56	60	70	10		<.01	<.001			"		
57	70	80	10		<.01	<.001			"		
58	80	90	10		.02	.001			"		
59	90	100	10		.03	.005			> less than	80%	
60	100	110	10		.06	.001			less than	95%	
61	110	120	10		.01	.001			> "		
62	120	130	10		.02	<.001			"		
63	130	140	10		.01				"		
64	140	150	10		<.01				"		
65	150	160	10		<.01				"		
66	160	170	10		.02	<.001			"		
67	170	180	10		.04	.003			"		
68	180	190	10		.14	.029			"		
69	190	200	10		.01	.020			"		
70	200	210	10		.02	.014			"		
71	210	220	10		.06	.047			"		
72	220	230	10		.05	.017			"		
73	230	240	10		.06	.005			"		
74	240	250	10		.03	.013			"		
75	250	260	10		<.01	<.001			"		
76	260	270	10						"		
77	270	280	10						"		
78	280	290	10						"		
79	290	300	10						"		
80	300	310	10			<.001			"		
81	310	320	10			.004			"		
82	320	330	10			<.001			"		
83	330	340	10						"		
84	340	350	10						"		
85	350	360	10		<.01				"		
86	360	370	10		.04	<.001			"		

IOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-1
LOCATION	Jean Group	COLLAR 206°	47°		LENGTH	408	SHEET No.	2
ELEVATION		52W-03N			COMPLETED	Aug. 8,1970	LOGGED BY:	Harivel
LATITUDE	N				PURPOSE			
DEPARTURE	E				TOTAL RECOVERY	98%+		

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
6/2	56'	- 57+	As for 4/2.			
			Sulphides bearing fractures @ 25°.			
		*	Whole of rock - Box 2 -			
			33'10"-57'+ is non-magnetic.			
1/3	57'+	- 59'	Mildly saussuritized diorite with green cream plagioclase euhedral, lesser pink feldspar (less than 20%) and obvious magnetite (magnetic). Copper pyrite, pyrite-bearing fractures at 25° and less than 10° which intersect and occur in location of qtz. pink feldspar vein.			
		*	All rock this box magnetic.			
2/3	59'-	80'6"	Rock gradually loses pink feldspar but grey glossy potassium feldspar in place of pink, gradual increase in biotite content of rock - Cl 35+ - biotite:hornblende 1:3 or 1:4 (biotite - sometimes chlorite). Occasional andesitic or andesite porphyry xenolith (?) on self-inclusion. Occasional pyrite, copper pyrite, hematite, quartz, pink feldspar bearing fracture vein at about 25° to core one with 50°.			
1/4	80'6"	- 96'2"	Whole of this box is relatively fresh rock with grey medium grained monzonite - occasional visible qtz., biotite present in appreciable amounts (biotite:hornblende, 1:2, 1:3) and chloride 30 or 35, calcic plagioclase : sodium plagioclase not known. Occasional copper pyrite-pyrite and/or MoS_2-bearing fracture usually intimate with quartz, pink feldspar veins and at low angle to core, epidote on some fractures also.			
2/4	96'2"		Large (2" wide) quartz-potassium spar vein 96'2". Some fractures also.			
3/4	106'6"-	108'	Serpentinized-kaolinized section @ 106'6" followed by 3 copper pyrite bearing fractures @ 20°, 25° to core.			
		*	Except vein altered rock box contains magnetic rock - magnetite.			

ASSAYS	SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN (Mo)	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVE RUN	RECOVE MEASU
	53587	370	380	10'		.02	.004			~~Less~~ than	95%	
		380	390	10'		.02	.003			"		
		390	400	10'		.03	.062			"		
		400	408	8'		.01	.001			"		

IOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-1
LOCATION	Jean Group	COLLAR	206°	47°	LENGTH	408	SHEET No.	3
ELEVATION			52W-03N		COMPLETED	Aug. 8,1970	LOGGED BY:	Harivel
LATITUDE	N				PURPOSE			
DEPARTURE	E				TOTAL RECOVERY	98%+		

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/5	108'	-	Moderately fresh monzonite with		
	112'8"		obvious biotite - Cl 35-40		
2/5	112'8"	-	Section of increasing to tapering alteration - rock generally		
	115'		light green and non-magnetic - slightly serpentinized and shows		
			hematite after magnetite. Very poorly preserved euhedral.		
3/5	115'	-	Moderately fresh to fresh magnetic monzonite with occasional		
	132'9"		pyrite - copper pyrite - hematite in fractures -		
			less than 20° to core (2) 50° to core (3).		
1/6	132'9"	-	Generally very fresh to mildly altered monzonite (visible qtz.,		
	156'		fair % biotite), small amounts copper pyrite, pyrite associated		
			with pink feldspar and epidote alteration or veins - fractures.		
1/7	156'	-	Fresh to altered (at margin of dyke following) monzonite, with		
	171'		few copper pyrite - pyrite fractures.		
2/7	171'	-	Grey feldspar porphyry dyke with sulphide bearing (CPY & PY)		
	176'9"		fractures @ 20-30° and disseminated PY-CPY very shattered (relatively).		
	176'9"	-			
	177'		Pink-green diorite (?)		
1/8	177'	-	Pink-green to pink diorite (?) which varies locally, much pink		
	189'		feldspar alteration in some sections and this seems to be		
			associated with CPY, PY, MoS_2 where pervasively pink-feldspar		
			altered rock is non-magnetic (magnetite to hematite).		
2/8	189'		Also suggestion of hydrothermal biotite (?).		
	198'6"	-	Occurrence of chalcocite (?) in vein - 10°.		
	200'9"				
1/9	200'9"	-	Generally fresh, magnetic monzonite (?) or monzo-diorite and is locally less		
	214'6"		fresh (211'6" - 10"). 202' qtz.-PY-CPY-MoS_2 fracture-vein.)"		

ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVE RUN	MEASU

IOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ
LOCATION	Jean Group	COLLAR 206°	47°		LENGTH 408
ELEVATION		52W-03N			COMPLETED Aug. 8,1970
LATITUDE	N				PURPOSE
DEPARTURE	E				TOTAL RECOVERY 98%+

HOLE No. J-1
SHEET No. 4
LOGGED BY: Harivel

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE / MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
2/9	214'	225'	Generally more pink-feldspar-altered and saussuritized of the above with local fresh (biotite evident) patches, 5 or 6 qtz.-pink-feldspar-biotite (hydrothermal) PY-CPY-MoS_2 veins @ 20°, 30°, 40°, 80°, 80° to core as well as minor grains CPY & PY.		
1/10	225'	247'	Characterized by spectacular pink-feldspar alteration with numerous qtz.-pink feldspar-dolomite (?)-biotite (hydrothermal) - PY-CPY-MoS_2 veins at low angles to core (20°+) - only few biotite-fresh spots.		
	229'	232'	Very altered section (buff-pink).		
2/10	247'	247'6"	Grey feldspar porphyry dyke (with white phenocrysts) which becomes progressively altered (g'mass pinker, phenocyrsts greener) to 252' where pink with green phenocrysts & minor disseminated PY. Weakly magnetic when grey - non-magnetic when pink.		
1/11	247'6"	270'6"	Box contains mostly pink with pink-grey feldspar porphyry dyke.		
1/12	270'6"	295'10"	Variably altered feldspar-hornblende porphyry dyke with occasional grains of pyrite (cube).		
1/13	295'10"	306'11"	Pink-grey of above dyke.		
2/13	306'11"	320'6"	Kaolinized (argillic alteration) & serpentinized of the above, occasional grains of pyrite.		
1/14	320'6"	322'6"	As above with slightly chilled margin.		
2/14	322'6"	325'	Monzonite (argillic alteration as above) imposed after dyke intrusion.		
3/14	325'	327'	Fresh (with biotite) magnetic.		

ASSAYS										RECOVE	
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASU

IOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-1
LOCATION	Jean Group	COLLAR	206°	47°	LENGTH	408	SHEET No.	5
ELEVATION			52W-03N		COMPLETED	Aug. 8, 1970	LOGGED BY:	Harivel
LATITUDE	N				PURPOSE			
DEPARTURE	E				TOTAL RECOVERY	98%+		

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
4/14	327'	-				
		328'	Saussuritized of above.			
5/14	328'	-				
		330'9"	Aplite dyke cut by PY-bearing fracture.			
6/14	330'9"	-	Relatively fresh (with biotite) generally but with some altered			
		343'	(non-magnetic) sections.			
1/15	343'	-				
		351'	Fresh monzo-diorite.			
2/15	351'	-	Moderately altered section with fractures with PY + calcite +			
		352'	gouge (?) + (muscovite (?) alteration).			
3/15	352'	-				
		355'+	As for 1/15.			
4/15	355'4"	-				
		357'3"	Aplite dyke of red-pink feldspar, qtz. (cuts @ 15°).			
5/15	357'3"	-				
		358'	As for 1/15			
6/15	358'	-				
		361'	Altered to intensely altered of 1/15 with disseminated PY less than 2%.			
7/15	361'	-	Grey feldspar porphyry dyke with disseminated PY less than 2%.			
		365'				
8/15	365'	-				
		369'6"	Aplite dyke with qtz. stringers PY-CPY-epidote.			

ASSAYS										RECOV	
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEAS

MOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No. J-1
LOCATION	Jean Group	COLLAR	206°	47°	LENGTH	408	SHEET No. 6
ELEVATION			52W-03N		COMPLETED	Aug. 8,1970	LOGGED BY: Harivel
LATITUDE	N				PURPOSE		
DEPARTURE	E				TOTAL RECOVERY	98%+	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/16	369'6"	-				
		377'	Aplite dyke with qtz. stringers (PY-CPY (minor).			
2/16	377'	-	Altered (argillic alteration & serpentinization) monzo-diorite -			
		391'	occasional qtz.-pink-feldspar-CPY-PY-MoS_2 fracture (+ pink dolomite (?).			
1/17	391'	-				
		393'	As for 2/16.			
2/17	393'	-	Severe brecciation with qtz.-CPY-MoS_2-PY-calcite or dolomite +			
		395'	black carbonaceous(?) material.			
3/17	395'	-				
		396'	Intensely serpentinized monzo-diorite.			
4/17	396'	-				
		397'	Lesser serpentinization of monzo-diorite.			
5/17	397'	-	Lesser serepentinization, grades into 1/15 with CPY-PY-MoS_2 on			
		398'	fractures (2 or 3) with some dissemination.			
6/17	408'		Fresh 1/15 fractures (2 or 3) with some dissemination.			
	408'		Hole stopped and abandoned; hole in good condition; casing recovered; overall recovery 98%+.			

ASSAYS										RECOV	
SAMPLE NO.	FROM	TO	WIDTH.	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEAS

ND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-2
LOCATION	Jean Group	COLLAR	N25°E	-45°	LENGTH	204'	SHEET No.	1
ELEVATION					COMPLETED		LOGGED BY:	Harivel
LATITUDE	3+00 N				PURPOSE			
DEPARTURE	52+00W E				TOTAL RECOVERY			

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES — DRILL HOLE — MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
10'-25'		Disseminated sulphides (CPY-PY) in bleached (?) diorite which	
		is notable for its local mafic enrichment (partic. 10'-15').	
		(Areas of mafic enrichment adjoin areas of mafic deficiency)	
		(Rock is not at all magnetic to 25' but immediately after shows	
		obvious magnetite).	
		At 22'5" evidence for phase change (?) to a sharp increase in	
		pink feldspar (anhedral in groundmass) with associated increased	
		definition of plag. euhedra - or phase boundary with gradual	
		decrease in pink feldspar after 22'5" to grey K-feldspar in fresh	
		looking "diorite" which continues to end of box.	
		Fracture at 31' with qtz.-PY-CPY-hem. at 25 or 30° to core.	
		Other fractures nearly healed with hem.-calcite parallel with core.	
		32'6" at 30° to core PY-CPY on fracture	
		33' at 50° to core	
		approx. 1% sphene.	
35'8"	52'	Generally massive fresh looking diorite with lessening grey	
		colour and variable clarity of feldspar euhedra.	
		Pink feldspar-qtz. veins at low angles to core 20-30 and sometimes	
		intersected by CPY-PY-MoS_2 bearing fractures approx. 50° to core.	
		Where these and other alteration of veinous material occur,	
		no magnetite.	
		After 52' rock is well saussuritized to moderately saussuritized	
		to end of box.	
		57'6" PY & limonite on fracture 30° to core.	
		54'3" CPY-PY - qtz. (calcite(?) - dolomite(?) 2 fractures at 35° to core.	
		58'6" CPY-Py in fractures, veinlets 40° to core	
		Calcite & limonite on fracture at 35° to core	

ASSAYS — SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% Mo	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY — RUN	MEASUR'D	% REC.
53591	10	20			0.67	0.009						
592	20	30			0.09	0.001						
93	30	40			0.13	<.001						
94	40	50			<.01							
95	50	60			.03							
96	60	70			<.01							
97	70	80			.01							
98	80	90			0.22							
99	90	100			0.33							
53600	100	110			<.01							
53703	110	120										
04	120	130										
05	130	140										
06	140	150										
07	150	160			<.01	<.001						
08	160	170			.01	.006						
09	170	180			.05	.006						
10	180	190			.07	.001						
11	190	200			<.01	<.001						
12	200	204			<.01	<.001						

ND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface		BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-2
LOCATION	Jean Group		COLLAR N25°E	-45°		LENGTH	SHEET No. 2
ELEVATION						COMPLETED	LOGGED BY: Harivel
LATITUDE	3+00N	N				PURPOSE	
DEPARTURE	52+00W	E				TOTAL RECOVERY	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES — DRILL HOLE — MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS: SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY: RUN	MEASUR'D	% REC.
3		Generally fresh grey med. grained hypid. to panidiomorphic diorite														
" -		with locally saussuritized (vein-alteration) sections.														
		85'5" - 87'4" notable loss of clarity in feldspar euhedra - at														
		this footage (5-10%) sulphides PY & CPY with large conspicuous														
		bleb of magnetite with PY at 86'+; rock otherwise non-magnetic.														
		Fractures, qtz. at 30°, epidote 70, 80, 30, 40.														
		77-78' peg. vein at 20°.														
4		87'4" - 98' pervasively saussuritized diorite (green-creamy) with														
-		very altered mafic - brown green) which contains disseminated														
"		PY & CPY with lesser MoS_2 -														
		At 91½' 8" of serpentinized (?) plag.														
		98" 8" " " "														
		98 to 99' rock grades to fresh-looking magnetic diorite (with														
		shiny black mafics) biotite (10%).														
		101'6" - 103'3" serpentinized section.														
		103'6" - 108'2" fresh looking hypid to panidiomorphic granular diorite.														
		108'2" - 109'5" andesitic xenolith (?) (porphyritic).														
		109'5" - 111'10" fresh diorite.														
5		111'4" - 111'10" fresh grey diorite.														
' -		111'10" - 112'8" green grey altered diorite (serpentinized(?).														
'		112'8" - 114' green & pink diorite with some white feldspar euhedra.														
		114' - 115' altered diorite - grey-green, pink with no conspicuous														
		white feldspar euhedra.														
		115' - 119' slightly fresher variation of the above.														
		121'6" - 124' relatively fresh grey hypid. granodiorite with black														
		shiny mafic-biotite.														
		124' - 126' altered diorite, alteration of varying intensity grading														
		from moderate saussuritization to serpentinization of plag.														
		(centre to outside leaving plag. vein of white with jade-green centre.														
		Much conspicuous hematite (after magnetite).														
		126' - 127' mod. altered & fresh diorite.														
		127' - 133'6" as for 124-126 but with greater amount of bleached (?)														
		light green saussuritized rock with conspicuous hematite (after magnetite).														

ND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-2
LOCATION	Jean Group	COLLAR	N25°E	-45°	LENGTH		SHEET No.	3
ELEVATION					COMPLETED		LOGGED BY:	Harivel
LATITUDE	3+00N N				PURPOSE			
DEPARTURE	52+00W E				TOTAL RECOVERY			

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES — DRILL HOLE — MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
		134'6" to 134' dolomite (?) - magnetite (?) - qtz. veinwork.	
		134' - 135'4" as for 127-133'6".	
		135'4" - 136'3" rel. fresh, magnetic diorite.	
		Hematite, dolomite, qtz. on fractures 40° & 50° and parallel to core.	
		136'3" rel. fresh, magnetic, diorite.	
-		155' " " " "	
		155' - 160' Argillic-altered (?) (kaolinized feldspars) - alteration	
		is fairly uniform and intense - rock is not magnetic (and veined with	
		carbonates) and contains red earthy hematite (disseminated (after	
		magnetite).	
		160' - 160'8" rel. fresh, magnetic diorite.	
		160'8" - 163' rel. fresh magnetic diorite.	
182'8"		163' - 164'8" intensely kaolinized rock; which section has low	
		angle to core (20°-30°).	
		164'8" - 168' rel. fresh becoming gradually altered but magnetic	
		still and maintains euhedra.	
		168' - 172' abruptly more altered light green section (minor CPY,	
		PY veins) which shows muscovite (after biotite) and some	
		serpentinized feldspars (light jade-green) alteration of mafics,	
		sometimes to limonite (contains disseminated sulphides),	
		increasing veining by (qtz.-carbonate).	
		- about 172' suspect contact with feldspar porphyry dyke.	
		" " rock is feldspar porphyry with decreasing (?) alteration	
		going from green to green-buff colour; contains some disseminated	
		sulphide and exhibits some serpentinized feldspar phenocrysts.	
		175' - 179' grey, magnetic (less than fresh diorite) feldspar	
		porphyry; ends at contact with diorite approx. 20° to core.	
		175' - 181' hornblende - biotite diorite with some pink feldspar	
		but magnetic.	
		181' - 182'8" begins with pink feldspar section (intrusive (?)	
		Has pink groundmass with creamy feldspar euhedra and sulphide	
		bearing (disseminated & in fractures).	
		Low CI similar to rock in latter part of Box #1 J-1 - last 6" is	
		kaolinized diorite with (qtz.-carbonate-CPY-Py) vein.	

ASSAYS — SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY — RUN	MEASUR'D	% REC.

ND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface		BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-2
LOCATION	Jean Group		COLLAR	N25°E	-45°	LENGTH		SHEET No.	4
ELEVATION						COMPLETED		LOGGED BY:	Harivel
LATITUDE	3+00N	N				PURPOSE			
DEPARTURE	52+00W	E				TOTAL RECOVERY			

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
			183' - 183'6" First 6" kaolinized diorite (biotite as mafic).			
83'			183'6" - 190' relatively fresh magnetic diorite veined by			
04'			carbonatization (¼" width) and rock altered in vicinity thereof.			
			190' - 191' Light green pervasively altered rock with some			
			saussuritized-serpentinized plag. euhedra, also some kaolinization.			
			191' - 199' generally moderately altered diorite with fresh section approx.			
			193'-193'6". This section contains PY-CPY fractures.			
			199' begins pink feldspar vein 15° to core.			
			199' - 204' Variably altered (serpentinized, saussuritized, kaolinized)			
			rock with occasional sulphides.			
D OF	HOLE					

ASSAYS										RECOVERY		
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH	310	SHEET No.	1
ELEVATION			36W, 03N		COMPLETED	Aug. 1970	LOGGED BY:	Harive
LATITUDE	3+00 N				PURPOSE			
DEPARTURE	36+00 W				TOTAL RECOVERY	95%+		

Entry # Box #	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES — DRILL HOLE — MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	SAMPLE NO.	FROM	TO	WIDTH	REC.	ASSAYS % CU	ASSAYS % ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RE RUN
	0' -	14½'	No core - overburden												
					53713					.01	<.001				
1/1	14'6" -		C1 35-40 Biotite:hornblende 1:3, qtz. less than 10%,		14					<.01					
		37'8"	zoned white feldspar (euhedral) 35%, about 20% K-feldspar (zoned) (?)		15					.05					
			sphene and magnetite relatively fresh. Hornblende at least partially		16					.01					
			altered (chloritized) as well as local chloritization of biotite.		17					<.01					
			Rock magnetic - epidote, hematite, calcite, limonite -		18					.01					
			20° to core (fractures) commonly have striae.		19					<.01					
					20										
1/2	37'8"	-55'	As for 1/1 with increasing amounts of K-feldspar alteration		21										
			(local-veinous). When fresh is grey, hypidio -morphic to		22					<.01					
			panidiomorphic granular monzonite-diorite.		23					.03					
			Biotite - 10%.		24					.02	<.001				
					25					.06	.002				
2/2	47'	-62'4"	Saussuritized and serpentinized section.		26					.02	<.001				
	55'		Both saussuritization and pink feldspar alteration in rock of 1/1,		27					.06					
			development of foliation @ 60° to core.		28					<.01	<.001				
			Calcite and hematite on fractures - increase in frequency of		29					.05	.090				
			fracturing.		30					.01	.003				
					31					.01	<.001				
1/3	62'4"	-			32					.01	<.001				
		63'4"	Fairly altered 1/1.		33					<.01	<.001				
	63'4"	-64'	Aplite dyke.		34					<.01	.003				
	64'	-	Altered (saussuritized) generally with local fresh (magnetic		35					.01	<.001				
		67'10"	sections) plus K-spar altered - generally non-magnetic,		36					.03	.002				
			20° to core PY-calcite + gouge.		37					.02	.002				
			striae at 55° to long axis elipse, also 50° above assemblage in		38					.02	.030				
			4 mm width vein.		39					<.01	.002				
	67'	-71'8"	No core.		40					.06	.201				
	71'8"		Feldspar porphyry dyke - green, saussuritized feldspar		41					.01	<.001				
			phenocrysts with pink (altered) groundmass.		42					<.01	<.001				
	73'0"		Grey feldspar porphyry dyke with disseminated sulphide (PY) 2%												
			PY replaces mafics.												

W&M

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-
LOCATION Jean Group	COLLAR 205°	45°		LENGTH	SHEET No. 2
ELEVATION	36W, 03N			COMPLETED Aug. 1970	LOGGED BY: Ha
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY 95%+	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/3	78'	82'	Rock (feldspar porphyry) is pink feldspar altered and is generally pale pink-buff.		
	82'	84'	Andesitic (?) grey feldspar porphyry dyke.		
	84'	87'	Grey feldspar porphyry dyke.		
	87'	91'9"	Grey feldspar porphyry with disseminated sulphides still shearing on fractures, surface (obvious striae) @ 30° 10° to long axis).		
	73'	91'9"	All with disseminated sulphide (PY) 2%.		
1/4	91'9"	95'	Grey feldspar porphyry (andesite (?) - no disseminated sulphides.		
2/4	95'	104'	Slightly altered 1/1 weakly to non-magnetic.		
	104'		Rock gets fresher and more obviously magnetic.		
3/4			(biotite obvious)		
	108'		Very fresh.		
4/4	112'		Grey, pink feldspar vein (½" wide).		
5/4	113'	117'	Less fresh 1/1. Fractures with calcite, hematite, chlorite, epidote. Some exhibit striae (at varying angles to major axis of fracture plane elipse. Pyrite and hematite in striae.		
1/5	117'		Medium grained hypid.-panid. Monzonite (?) CI 35 10-15% biotite, 20-30% hornblende (often altered) fresh for 70% of this box; for most part of this box white plag. euhedral. Some fractures ll to core and which exhibit K-spar alteration and argillic alteration at margin.		
2/5	142'	144'	Occasional pink feldspar vein (commonly with sulphides).		
	142'6"		Andesite (?) dyke with epidote, hematite fracture @ 60° to core.		
3/5	130'	+130'10"	Minor sulphides in fractures - generally magnetic rock in this box (box 5).		
4/5	144'		End of box.		

ASSAYS										REC
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN
										)
										)

N&M

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH		SHEET No.	3
ELEVATION			36W, 03N		COMPLETED		LOGGED BY:	Harive
LATITUDE	N				PURPOSE			
DEPARTURE	E				TOTAL RECOVERY	95%+		

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RE RUN
1/6	144'	-	Generally fresh massive 1/1.														
	166'8"		Occasional pink feldspar vein with CPY-PY-MoS_2 @ 20°, otherwise range of epidotized fracture angles (with chlorite and magnetite).														
	166'8"		Rock slightly more pink feldspar altered towards end of box.														
1/7	166'8"	-															
		170'	Relatively fresh rock.														
2/7	170'	-	Alteration more evident but locally variable fracture with														
	179'		PY-Cal.-epidote & qtz., progressively more altered (both saussuritized and pink feldspar altered) but rock remains fairly magnetic.														
3/7	179'	180'	Vein (½") black mineral with quartz (MoS_2) + chalcocite (?) + CPY + PY less than 10° to core - is fairly saussuritized rock.														
4/7	180'6"	-	Relatively massive, relatively fresh - hematite, epidote, calcite														
		190'	on fracture less than 5°.														
5/7	190'	191'	Very blocky - less fresh with striae @ 50° to long axis.														
6/7	191'	192'	Rock relatively altered but rock still magnetic (despite biotite gone to chlorite) - euhedral mostly evident throughout box.														
1/8	192'+	-	Moderately altered monzo-diorite with slight loss in plag.														
		197'	form and rock exhibits argillic alteration (kaolinized feldspars) (sl. magnetic).														
2/8	197'	202'	Massive, fresher, magnetic.														
3/8	202'	203'	Loss of distinct euhedral form in plag.														
4/8	203'	216'	As for 2/8 sometimes vein altered @ 10° 15° 20° with(fractures) chlorite, epidote, serpentine, calcite, hematite.														

W&M

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH
ELEVATION			36W, 03N		COMPLETED
LATITUDE	N				PURPOSE
DEPARTURE	E				TOTAL RECOVERY 95%+

HOLE No. J-3
SHEET No. 4
LOGGED BY: Hariv

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RE RUN
1/9	216'+		60% of this box contains fractured kaolinized rock with serpentine, chlorite, epidote.														
	223'		MoS_2 in qtz. - occasional shear-fracture with MoS_2. Most fractures 10-40°. Other 40% rock is massive with fresh biotite.														
	241'8"	242'8"	Pink feldspar altered rock with disseminated sulphides - (PY with minor MoS_2).														
1/10	244½'	254'	Slightly kaolinized, sometimes stained and pink feldspar altered, hypid.-panid. granular diorite often fractured and fractures bear epidote.														
2/10	254'	254'6"	Pink feldspar vein (aplite (?) dyke (?) serpentine.														
3/10	254'	261'	(distinct plag. euhedral).														
4/10	261'	262'	Saussuritized with loss in clarity of euhedral.														
5/10	262'	266'	As for 1/10, becoming more like 4/10.														
6/10	266'	270½'	Kaolinization more pronounced and evidence of shearing (269'+) at 80°+ to core, MoS_2 in fractures.														
7/10	270'6"	271'6"	Serpentinized (jade green plag.) section.														
8/10	271'6"	273'6"	Moderately altered diorite with texture of 1/10 - most rock this box is magnetic - considerably greater fracturing in this box.														
1/11	273'6"	274'	Moderately fresh, magnetic, grey.														
2/11	274'	280'	Slightly kaolinized, becoming more kaolinized by 280'														

W&M

AMOND DRILL HOLE RECORD

N.B.C. SYNDICATE

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE AQ
LOCATION	Jean Group	COLLAR	205°	45°	LENGTH
ELEVATION			36W, 03N		COMPLETED
LATITUDE	N				PURPOSE
DEPARTURE	E				TOTAL RECOVERY 95%+

HOLE No. J-3
SHEET No. 5
LOGGED BY: Harive

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
3/11	280'-	292'	Generally massive, grey, and grey-pink hypid. granular diorite which is cut by epidote bearing fractures and sometimes by (hem.-calcite-PY-CPY assemblage with marked alteration envelopes).			
4/11	292'-	293'	Increase in kaolinization.			
5/11	293'-	294'	As for 3/11.			
6/11	294'-	295'	Kaolinized section with (sulphides (sheared) on low angle (25°) fractures and epidote +5°, 60°).			
7/11	295'-	299'	As for 3/11 but more pink feldspar.			
1/12	299' -	300'6"	Pink feldspar altered and saussuritized hypid. granular diorite (epidote on fractures).			
2/12	300'6" -	309'6"	Generally grey, grey-pink hypid.-panidiomorphic granular diorite with occasional fracture with hem.-calcite-PY assemblage (sheared with obvious striae).			
3/12	309'6" -	310'6"	More kaolinized of the above.			
			END OF HOLE - (pump breakdown).			

ASSAYS

SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN

W&M

D DRILL HOLE RECORD

LEVEL Surface	BEARING / DIP / TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-3 J
LOCATION NBC Grid JEAN GROUP	COLLAR ~~206~~ 205 45	LENGTH	SHEET No. 1
ELEVATION	36W, 03N	COMPLETED	LOGGED BY: Harivel
LATITUDE N		PURPOSE	
DEPARTURE E		TOTAL RECOVERY	

Unit (?)	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY RUN	MEASUR'D	% REC.
	0	14½	NO CORE - OVERBURDEN															
1/1	14½	37'8"	CI 35-40 Biotite : HBL = 1:3 Qtz < 10% (zoned) white feldspar euhedra ≈ 35% ≈ 20% (?) K-feldspar (zoned)? sphene + magnetite relatively fresh hornblende at least partially altered (chloritised) as well as local " of biotite	* magnetic epidote, hematite calcite + limonite ≈ 20° to core (fractures) commonly have striae + sometimes striated														
1/2	37'8"	55'0	as for 1/1 with increasing amounts of K-feldspar alteration (local - veinlets); when fresh is grey, hypidiomorphic to panidiomorphic granular monzonite - diorite Biotite ≈ 10%															
2/2		47'0	saussuritized + serpentinized section	development of foliation @ 60° to core														
	55	62'4"	both saussuritization + pink feldspar alteration in rock of 1/1	calcite and hematite on fractures increase in frequency of fracturing														
1/3	62'4"	63+	fairly altered 1/1															
	64	64'0"	aplite dyke															
		67'10"	altered (saussuritized) generally with local fresh (magnetic sections) + K-spar altered	generally non-magnetic 20° to core Py-calcite + gouge striae @ 55° to long axis ellipse. also 50° of above assemblage in 4 mm width vein.														

D DRILL HOLE RECORD	LEVEL Surface	BEARING / DIP / TYPE OF SURVEY	CORE SIZE AQ	HOLE No. J-3 ✓
	LOCATION NBC Grid Jean Group	COLLAR 205 45	LENGTH	SHEET No. 1
	ELEVATION		COMPLETED	LOGGED BY: Hariwel
	LATITUDE N	36W, 03N	PURPOSE	
	DEPARTURE E		TOTAL RECOVERY	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY RUN	MEASUR'D	% REC.
	67'0"	71'3"	core lost(?)															
	71'8"		feldspar porphyry dyke – green, saussuritized feldspar phenocrysts with pink (altered) groundmass															
	73'0"		grey f'spar porphyry dyke	with disseminated sulphide (Py)	2%													
			Py replaces mafics															
	78'0"	82'0"	rock (feldspar porphyry) is pink feldspar altered and is generally pale-pink-buff	"														
	82'0"	84'0"	andesitic(?) grey f'spar porphyry dyke	"														
	84'0"	87'0"		"														
	87'0"	91'9"	grey feldspar porphyry with disseminated sulphides	still shearing on fractures surface [(obvious striae) @ 30° 10° to long axis]														
1/4	91'9"	95'0"	gr. feldspar porphyry (andesite(?))	no disseminated sulphides														
2/4	95	104	slightly altered 1/1 weakly to	non magnetic														
3/4	104	108	rock gets fresher and more obviously magnetic (biotite obvious) very fresh															
4/4		112	grey, pink feldspar vein (½" wide)															
		113																
5/4	113	117	less fresh 1/1	fractures with calcite, hematite chlorite [illegible]epidote; some exhibit striae (at varying angles to major axis of fracture ellipse); pyrite & hematite in striae.														
1/5	117		med grained hypid-granid. monzonite (?) ca 35															

D DRILL HOLE RECORD

LEVEL	Surface	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	AQ	HOLE No.	J-3
LOCATION	NBC grid / OXN Group	COLLAR 205	45		LENGTH		SHEET No.	3
ELEVATION					COMPLETED		LOGGED BY:	Hamel
LATITUDE	N	36W, 03N			PURPOSE			
DEPARTURE	E				TOTAL RECOVERY			

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.
1/5	117		10-15% biotite ±20-30% Hbl. (often altered) fresh for 70% of this box for most part. " " white plag euhedra	some fractures parallel to core + which exhibit K'spar alteration + argillic(?) @ " (at margin sulphides)														
2/5		142' ~~142~~ 6"	occasional pink-feldspar vein (commonly with andesite(?) dyke - with (3/4" width)	epidote hematite fracture @ 60° to core														
3/5		130+ 130'10"	* generally ~~magnetic~~ rock in this box	minor sulphides (fractures)														
4/5		144'	(end of box)															
1/6	144		generally fresh, massive 1/1	occasional pink feldspar vein with CPY-PY-MoS_2 @ 20° otherwise range of epidotised fracture angles (with chlorite + hematite)														
	166'8"	166'8" ~~176'8"~~ 170	rock slightly more pink fspar altered towards end of box															
1/7	176'8"	~~180~~ 170	rel. fresh rock															
2/7	~~180~~ 170		alteration more evident but locally variable	fracture w. PY-CAL-EPIDOTE + QTZ														
			progressively more altered (both saussuritized + pink feldspar altered) but rock remains fairly magnetic															

D DRILL HOLE RECORD

LEVEL: Surface	BEARING / DIP / TYPE OF SURVEY	CORE SIZE: HQ	HOLE No. J-3
LOCATION: NBC Grid JEAN GROUP	COLLAR 205 45	LENGTH	SHEET No. 4
ELEVATION		COMPLETED	LOGGED BY: Hariwel
LATITUDE N	36W - 03N	PURPOSE	
DEPARTURE E		TOTAL RECOVERY	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS: SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RECOVERY: RUN	MEASUR'D	% REC.
3/7	~~189~~ 179	~~190~~ 180	vein (3/4") black mineral (MoS₂ with qtz in fairly saussuritized rock	+ Chalcocite(?) + CPY + PY < 10° to core														
4/7	190'6"	~~96~~ 200	rel. massive, rel. fresh	hem, epid, calcite on fracture < 5°														
5/7	200	201	very blocky ⇒ less fresh	w. striae @ 50° to long axis														
6/7	201	202	rock rel. altered but rock still magnetic (despite biotite gone to chlorite) euhedra mostly evident throughout box															
1/8	202+	207	moderately altered monzo-diorite with slight loss in plag form and rock exhibits argillic alteration (kaolinized feldspars (sl. magnetic)															
2/8	207	212	massive fresher, magnetic															
3/8	212	213	loss of distinct euhedral form in plag															
4/8	213	226	as for 2/8 sometimes vein altered @ 10° 15° 20° with (fractures) chlorite, epidote, serpentine, calcite hematite															
1/9	226+		60% of this box contains fractured kaolinized rock with serpentine, chlorite, epidote,															
	233'		MoS₂ in qtz occasional shear-fracture with MoS₂ most fractures 10-40° other 40% rock is massive with fresh biotite.															
	251'8"	252'8"	pink feldspar altered rock	with dissem. sulphides (PY with minor MoS₂)														

✓

ND DRILL HOLE RECORD

LEVEL	
LOCATION	
ELEVATION	
LATITUDE	N
DEPARTURE	E

	BEARING	DIP	TYPE OF SURVEY
COLLAR			

CORE SIZE	
LENGTH	
COMPLETED	
PURPOSE	
TOTAL RECOVERY	

HOLE No.	
SHEET No.	5
LOGGED BY:	

	FOOTAGE		DESCRIPTION OF ROCK TYPES	DRILL HOLE / MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES	ASSAYS										RECOVERY		
	FROM	TO				SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.
1/10	254½	264	Sl. kaolinized ^sometimes pink stained & pink feldspar altered hypid-pamid. granular diorite	often fractured & ^bear epid-														
2/10	264	264'6"	pink f'spar vein (aplite(?)) - dyke?	serpentine														
3/10	264	271	(distinct plag. euhedra)															
4/10	271	272	saussitized with loss in clarity of euhedra															
5/10	272	276	as for 1/10 'changing more like 4/10															
6/10	276	280½	kaolinization more pronounced and															
7			evidence of shearing (279+) at	>80° to core														
7/10	280½	281½	serpentinized (jade-green plag) ← section	MoS₂ in fracture														
8/10	281½	283½	~~not~~ moderately altered diorite with texture of 1/10															
			most rock this box is magnetic															
			- considerably greater fracturing in this box															
1/11	283½	284	^mod fresh magnetic grey															
2/11	284		sl. kaolinized becoming more kaolinized															
		290	by 290															
3/11	290	302	generally massive, grey and grey pink hypid-granular diorite which is cut by epidote bearing fractures and sometimes by	hem-calcite-py-cpy assemblage														
			(with marked alteration envelopes)															
4/11	302	303	increase in kaolinization															
5/11	303	304	as for 3/11															
6/11	304	305	kaolinized section with	sulphides (sheared) on														
7/11	305	309	as for 3/11 but more pink feldspar	low angle (25°) fractures + epidote 45°, 60°														

ND DRILL HOLE RECORD

LEVEL	BEARING	DIP	TYPE OF SURVEY	CORE SIZE	HOLE No.
LOCATION	COLLAR			LENGTH	SHEET No. 6
ELEVATION				COMPLETED	LOGGED BY:
LATITUDE N				PURPOSE	
DEPARTURE E				TOTAL RECOVERY	

	FOOTAGE FROM	FOOTAGE TO	DESCRIPTION OF ROCK TYPES	DRILL HOLE	MINERALIZATION AND STRUCTURES	ESTIMATED % OF SULPHIDES
1/12	309	310'6"	pink feldspar altered and sausuritized hypid-granular diorite		epidote on fractures	
2/12	310'6"	319'6"	generally grey, grey-pink hypid-panidiomorphic granular diorite with occassional fracture with		alteration envelope + occasional fracture with hem-calcite-py assemblage (sheared; with obvious shear)	
3/12	319½	320½	more kaolinized of the above			

ASSAYS										RECOVERY		
SAMPLE NO.	FROM	TO	WIDTH	REC.	% CU	% ZN	OZS. AU	OZS. AG	GROUPED AVERAGE	RUN	MEASUR'D	% REC.