41P11NW0420 15 CONNAUGHT

010

DIAMOND DRILLING

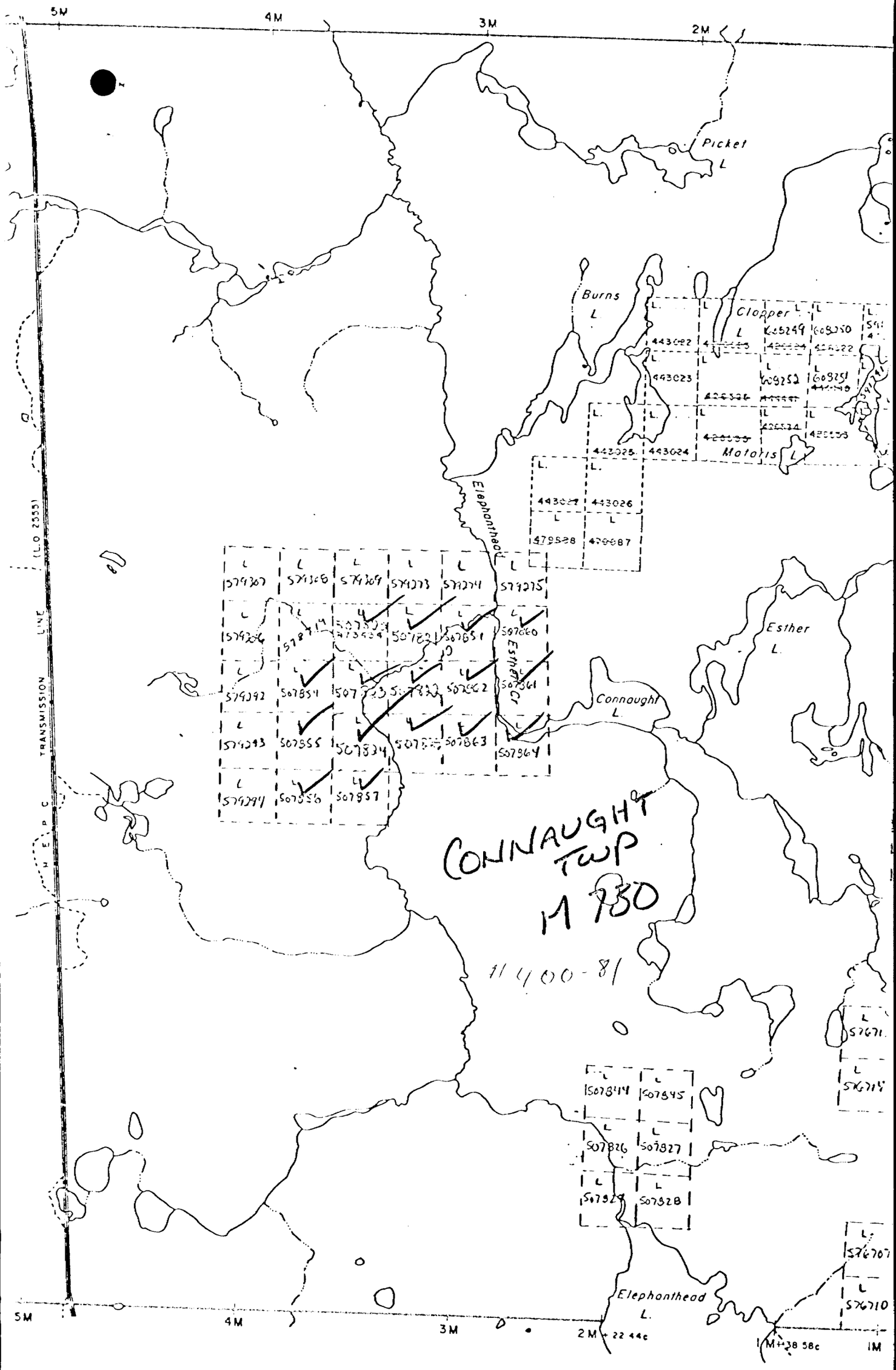
TOWNSHIP: CONNAUGHT

REPORT NO.: 15

WORK PERFORMED BY: Patino Mines Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 507859	St-11-4	426.0	Feb/81	(1)
	St-11-3	494.0	Feb/81	(1)
L 507822	St-11-2	462.0	Jan/81	(1)
	St-11-1	309.0	Jan/81	(1)

NOTES: (1) .400-81



MIRAMICHI TWP M. 865

MINES (QUEBEC) LIMITED
TINO (QUEBEC) LIMITEE

SHININGTREE II PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
200	-57°	-49°
400	-55°	-47°
426	-50°	-41°

LEVEL		ELEVATION	HOLE No. ST-II-4
LOCATION	9+00E; 16+50N	BEARING 350°	SHEET No. 1 of 4
SECTION		LENGTH 426'	LOGGED BY P. BORN
LATITUDE		CORE SIZE AQ	PURPOSE EXPLORATION
DEPARTURE	-50°	FINISHED Feb. 16 - 19, 1981	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
				4108	62.7	62.8	0.1		tr	0.07	ox/T		10% py Q-C vein		
0	40	OVERBURDEN													
				4109	66.8	67.8	1.0		55	ND			dyke		
40	102	DIORITE DYKE													
		med. grey colour, even textured m.g. to slightly porphyritic		4110	97.0	98.5	1.5		42	0.1			fracture zone in dyke		
		plag 40%, qtz 5% or less, carbonate 2 - 3% (calcite), biotite,		4111	98.5	98.8	0.3		48	0.1			Q-C vein		
		chlorite (10%)													
		Alteration - slight - essentially not very altered - minor		4112	111.7	113.7	2.0		14	ND			minor QV + fracture		
		chlorite and calcite - massive texture		4113	113.7	118.3	4.6		34	0.1			vein/granopryre		
		sulphides - none except in one place													
		qtz carbonate veining - 2% - 70% to CA		4114	No sample										
		62.7 - 62.8 qtz-carb. vien with 10% pyrite													
		lower contact of unit is sharp and intrusive looking		4167	123.7	124.7	1.0		34	0.2			tr py in grdrt		
102	129.1	GRANODIORITE		4115	125.0	126.0	1.0		21	0.4			Q-C vein		
		c.g. massive - slightly foliated (50° to CA), gndrt generally		4116	126.0	127.8	1.8		41	ND			shear zone		
		grey slightly pink in places. Qtz 30 - 40%, feldspar mostly													
		plagioclase 40%, biotite 5 - 10%, chlorite 10% sericite 5 - 10%		4117	No sample										
		Alteration - slight - weak - sericite and chlorite and epidote		4118	No sample										
		(1-5%) also minor hematite													
		slight shearing and minor dyke material (intermediate comp)		4119	154.0	155.0	1.0		34	0.2			weakly hm'd fract		
		trace pyrite in a few places													
		Included in this section		4120	171.0	172.0	1.0		27	0.1			dyke weakly fract		
		113.7 - 118.3 - looks like sugary f.g. qtz-kspar rock type													
		(25° to CA) contacts not sharp but almost gradual and stockwork		4121	188.0	188.7	0.7		27	ND			1 - 2% py		
		type in places (with interveining gndrt) could be granophyre		4122	188.7	189.7	1.0		14	ND			grdrt		
		phenomena - mafics 5 - 10%, qtz and feldspar subequal amounts													
		pink colour. Alteratively this could represent a very unique		4123	195.5	195.7	0.2		21	0.7			pk carb vein		
		type of qtz vein??													
		125.0 - 126.0 qtz - carb vein - 30% of section - 0 - 10° to CA		4124	205.5	207.0	1.4		41	ND			altered grdrt		
		126.0 - 127.8 - shear with high % chlorite and some sericite													
		and poss. leucoxene		4125	218	219	1.0		21	0.1			shear dyke Q-C		
		lower contact - next unit looks intrusive to fabric of c.g.		4126	219	220	1.0		21	0.1			sheared grdrt		
		gndrt													

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 2 of 4 HOLE NO. ST-II-4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A	RECOVE RUN	SH
				4127	227.6	228.6	1.0		34 ppb	ND ppm			shear w tr py	
129.7	123.0	INTERMEDIATE DYKE												
		f.g. grey green rock with plag. phenos - 20% and 1 - 5% qtz		4128	268.0	270.0	2.0		96 ppb	ND			grdrt	
		eyes (perhaps more) fairly hard rock												
		Alteration - some chlorite and sericite but not very strong		4129	289.5	294.0	4.5		tr	0.01			15 -20% stockwork	
		feldspars - sericite and epidote		30	294	298	4.0		tr	ND			10%	"
		hematite content variable - more common 150.0 - 160 with a		31	298	302	4.0		tr	ND			3%	"
		pinkish colour		32	302	306	4.0		tr	ND			3%	"
		shearing - variable - usually not very much except 5 - 10' from		33	306	307.2	1.2		tr	0.04			25%	"
		lower contact		34	307.2	309.0	1.8		tr	ND			5%	"
		qtz - carb veins - 1 - 2%		35	309	311.4	2.4		tr	0.04			2%	"
		no sulphides		36	311.4	311.8	0.4		tr	ND			65%	"
		lower contact - not too distinct		37	311.8	313.8	2.0		tr	ND			2%	"
				38	313.8	314.5	0.7		tr	0.02			65%	"
173.0	207.0	GRANODIORITE		39	314.5	316.0	2.0		tr	ND			1%	"
		c.g. massive gndrt ident to 102 - 129' - 30% qtz etc.		40	316.0	318.0	2.0		0.02	0.01			25%	"
		Alteration - slight - sericitation and chloritization -variable		41	318.0	320.0	2.0		48 ppb	ND ppm			6%	"
		10 - 20% each also variable hematization of feldspars		4142	No sample									
		Shearing not very prominant - but some f.g. - m.g. gndrt							ppb	ppm				
		(sheared)		4143	336.1	337.6	1.5		34	ND			minor shearing	
		- qtz - carb veining - 3%		4144	No sample									
		Sulphides - trace pyrite - especially 188.0' - 188.7' -												
		1 - 2% py		4145	385.0	386.0	1.0		48	ND			grdrt	
		205.5 - 207.0 - this section is more altered and sheared		4146	386	387.3	1.3		41	0.5			Q-C veining	
		with a higher % of sericite and chlorite. Fabric 60° to CA		4147	387.3	388.3	1.0		48	ND			sheared grdrt	
207.0	219.0	INTERMEDIATE DYKE		4148	408	410	2.0		48	ND			altered grdrt	
		ident to 129 - 173'												
		m.g. - f.g. grey green rock with 10% hem. plag felds and 1 - 5%												
		qtz eyes - chloritic matrix and 10% carbonate in matrix												
		shearing - variable but usually minor 45 - 50° to CA												
		contacts are fairly sharp but hard to see												
219.0	289'5	GRANODIORITE												
		c.g. massive gndrt - grey-green to greyish (pink) colour												
		qtz 30 - 40%, feldspars mostly plag - (40%), chlorite(10 - 15%)												
		sericite - 10 - 15%												

NO MINES (QUEBEC) LIMITED
ES. PATINO (QUEBEC) LIMITEE

SHEET NO. 3 Of 4 HOLE NO. ST-II-4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
		GRANODIORITE (cont'd)													
		Alteration - slight - med. - sericitization and chloritization													
		plus variable hematization of feldspars - absent in first 10'													
		but present after that with 6" - 1' patch of creamy coloured													
		plag. felds common													
		Also minor dyke material (intermed.) near its contact													
		Shearing variable - usually not sheared													
		219.0 - 219.5 - shear - 45° to CA (fabric) and high chlorite													
		in gndrt													
		226.3 - 228.6 - shear - moderately sheared gndrt with high													
		chlorite % and sericite													
9.5	320.0	CALCITE and HEMATITE STOCKWORK VEINING													
		This section consists of granodiorite - slightly altered type													
		which is fairly intensely veined (stockwork fashion) with													
		calcite and hematite veins and possible other minor Fe carb.													
		The % of vein material is 15 - 20% (with the exception of													
		298.0 - 306.0) - a mixture of intergrown calcite and hematite													
		(also) minor specular hematite) precipitated along the edges													
		of the veins (70 - 90° to CA)													
		no sulphides present													
		The biggest break in the stockwork is 298 - 306' where 2 - 6%													
		veining occurs. Elsewhere higher % and fairly consistent.													
		The contact where the stockwork veining ends is somewhat													
		gradual - ie. where the density of veins decreases sharply													
0	426.0	GRANODIORITE													
		(320 - 373.2)													
		c.g. gndrt rather massive and homogeneous													
		qtz 30 - 40% feldspars mostly plag. - 30 - 40%, chlorite 10%,													
		sericite 10%													
		Alteration - moderate sericite and chlorite and variable													
		hematitization - locally intense also 2 - 10% carbonate													
		(calcite) in matrix													
		qtz-carb veining 1 - 2% stockwork veins (as above) only in													
		320 - 331 - 2% or less													

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 4 of 4 HOLE NO. ST-II-4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHO
		GRANODIORITE													
		Shearing - not too frequent													
		Sulphides - none													
		Locally more intensely hematized sections:													
		(373.2 - 426.0) hematized gndrt													
		c.g. gndrt as in 320 - 373.2 except the predominant type of alteration is that of a strongly hematized gndrt - pink colour both matrix and crystals. Several less hematized sections are found in here but not major. The transition between in gradual - alteration type etc.													
		qtz-carb veining - 1% or less except one major vein													
		386.0 - 387.3 - qtz -carb vein - 50% of this section													
		70 - 60° to CA													
426.0		END OF HOLE ST - 2 - 4 18BOXES													

...NES (QUEBEC) LIMITED ...TINO (QUEBEC) LIMITEE	DIP TEST		LEVEL	ELEVATION	HOLE No. ST-II-3
	FOOTAGE / ANGLE RECORDING / CORRECTED		LOCATION	BEARING 350°	SHEET No. 1/7
	200	-53° / -44°	SECTION 12+00N; L 4+00E	LENGTH 494'	LOGGED BY P. BORN
SHININGTREE II PROPERTY	400'	-53° / -44°	LATITUDE	CORE SIZE AQ	PURPOSE EXPLORATION
	404'	-52° / -43°	DEPARTURE -45°	FINISHED Feb. 7 - 15, 1981	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS ppb AU	ASSAYS ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	RECOVERY SHO
				4026	46.2	46.5	0.3		21	0.4			Q-C vein		
0	42.0	OVERBURDEN		4027	46.5	51.5	5.0		27	0.2			tr py		
42.0	295.0	GRANODIORITE		4028	No sample										
		(42 - 90)													
		c.g. massive, rather homogeneous gndrt. Grey-green colour w.		4029	83.2	83.5	0.3		988	2.0			Q-C vein		
		biotite - 5%, chlorite 10%, sericite - 10%, qtz - 30% - 40%,		4030	83.5	84.2	0.7		343	0.9			1% py		
		plag. felds 40%, the rest kspar (little or none). Also spotty -		4031	84.2	84.7	0.5		89	ND			Q-C vein 1% py		
		white-yellow leucoxene? (could be carbonate?) but not siderite		4032	84.7	89.0	4.3		21	0.2			tr py		
		likely													
		Alteration: slight - moderate - mainly sericite and chlorite		4033	104.2	104.6	0.4		14	0.1			Q-C vein		
		Shearing: not too common but small (4 - 6") moderately													
		sheared sections are present with higher chlorite%		4034	108	109	1.0		0.1	ND			hm'n		
		Sulphides: not present or only trace amounts of pyrite		4035	109	111	2.0		14	0.2			hm'n		
				4036	111	112.3	1.3		1371	0.2			hm'n		
		Qtz-carb. veining (calcite) 1 - 2% on average							(0.04 oz/t)						
				4151	116.5	117.0	0.5		62	ND			tr py		
		Section of most interest are listed below:													
				4037	127.7	130.0	2.3		7	ND			tr py		
		46.2 - 46.5' - altered gndrt w. sericite and chlorite high %		4038	130.0	132.9	2.9		14	0.3			tr py chl'd highly		
		and poss. Fe carbonate (or leucoxene?) but no py		4039	132.9	136.0	3.1		69	ND			" " " "		
		63.6 - 64.0' - sheared gndrt - f.g. - m.g. - high chlorite													
		and 1% py		4040	152.0	154.0	2.0		69	ND			grdrt		
		83.2 - 83.5' - qtz - carb vein no sulphides													
		83.5 - 84.2' - slight shear w. chl. and ser. alteration		4152	167.8	168	0.2		110	0.2			Q-C veinlet		
		84.2 - 84.7' - qtz-carb vein w. 1% py													
		89.0 - 89.3' - shear - m.g. - f.g. gndrt - high chlorite		4041	No sample										
		(90 - 110.0)		4042	218	220	2.0		21	ND			grdrt		
		c.g. gndrt similar to above but alteration types are more													
		variable: The predominant type of alteration is a slightly		4043	233.4	233.9	0.5		42	3.6			tr py shear		
		hematized gndrt w. creamy coloured (presumably sericitized)		4044	233.9	239	5.1		27	ND			tr py		
		plag. feldspars which are well formed (euhedral)													
				4045	249.4	250.4	1.0		34	1.5			shear Q-C veining		

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 2/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECO RUN
				4046	No sample									
		GRANODIORITE (cont'd)		4165	264	266	2.0		21	0.6			tr py	
		(111.0 - 112.3)		4047	272	274	2.0		48	0.3			chl'd grdrt	
		sheared gndrt? - rather chloritic - 30% f.g. - m.g. with 5 - 10%												
		qtz eyes, 20% plag xlts, contacts 70° to CA seem sharp - could		4048	287.5	288.5	1.0		48	ND			grdrt	
		also be an altered dyke - intermediate comp but looks sheared		4049	No sample									
		and chloritic probably a part of gndrt		4050	No sample									
				4051	No sample									
		(112.3 - 153.0)		4052	No sample									
		gndrt c.g. mass similar to 42 - 90' with slight alteration -												
		sericite and chlorite but in this section the shearing is		4053	293.5	295.5	2.0		21	ND				
		more frequent with sheared gndrt with a weakly developed fabric		4054	295.5	298.0	2.5		55	ND			Q-C vein	
		60 - 70° to CA		4055	298	303	5.0		150	0.4			2 - 3% py	
		Of interest below:		4056	303	305	2.0		123	0.4			2 - 3% py	
		133 - 136 - shear zone which is fairly sericitized and		4057	305	309.5	4.5		42	0.3			1% py local	
		spotty 1% pyrite (average) but up to a max. of 5% py over 1"		4058	309.5	310.2	0.7		48	ND			1 - 2% py	
		(153.0 - 193.0)		4059	318.6	319.4	0.8		21	0.1			10% Q-C vein	
		c.g. gndrt fairly homogeneous, pinkish-grey colour												
		What is distinctive is the creamy coloured and well formed		4060	335	335.2	0.2		48	0.4			2% py	
		plag. crystalswhich are slightly (sometimes) surrounded by		4061	335.2	340	4.8		109	0.3			1 -2% py	
		hematite (2%)		4062	340	345	5.0		34	0.1			1 - 2% py	
		- 40% qtz, 40% plag, little or no kspar, biotite chlorite - 10%		4063	345	350	5.0		27	0.1			1%py	
		Alteration - feldspars - sericite - qtz and epidote (1%)		4064	350	355	5.0		34	0.2			1% py	
		Shearing - 1 - 2% of section		4065	355	360	5.0		69	0.4			1% py	
		Qtz-carb (calcite) veining - none (4%)		4066	360	365	5.0		110	ND			1% py	
		Sulphides - none												
		The contact between this and adjacent units (gndrt etc) is		4067	371.5	376.5	5.0		240	0.9			shear 2 - 3% py	
		gradual since it is largely an alteration difference		4068	376.5	378.5	2.0		35	ND			grdrt	
				4069	No sample									
		(193.0 - 240.0)												
		gndrt ident to 42 - 90'		4070	384.2	386.2	2.0		96	ND			hm'd grdrt	
		c.g. gndrt, homogeneous, grey colour with 30% qtz,												
		5%biotite, 10% chlorite, 10% sericite, plag - 40%, little or		4071	394.5	399.5	5.0		42	ND			1% py	
		no kspar												
		Alteration - chlorite and sericite around edge of qtz grains		4072	404	406	2.0		62	ND			grdrt	
		slightly rexlted - with moderate alteration in some places												
				4073	414.5	418	3.5		110	0.1			1% py	

.NO MINES (QUEBEC) LIMITED
ES PATINO (QUEBEC) LIMITEE

SHEET NO. 3/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A	RECOVERY RUN	RECOVERY SHORT
				4074	419	421.7	2.7		55	0.1			1% py	
		GRANODIORITE (cont'd)		4075	421.7	421.9	0.2		89	ND			Q-C vein 1% py	
		leucoxene? yellow? or poss sidrite - 1% locally over 6" - 1'		4076	421.9	424	2.1		42	0.1			1% py	
		qtz veins - 1% or less		4077	424	425	1.0		21	ND			1% py	
		no sulphides												
		219 - 223 - slight - moderate shearing either increased		4078	439.0	441	2.0		55	0.4			tr py	
		sericite alteration and slight shear fabric 60° to CA		4079	441	441.3	0.3		55	0.2			Q-C vein	
		233.4 - 233.9 - nice chloritic shear with a qtz-carb vein		4080	441.3	442.9	1.6		21	0.1			fractured grdrt	
		and 1% py		4081	442.9	443.1	0.2		27	0.2			Q-C vein	
		(240 - 287.0)		4153	448	448.1	0.1		21	0.5			vein	
		c.g. gndrt ident to 153' - 193'												
		- slightly altered feldspar - creamy coloured, well formed		4082	456	456.3	0.3		41	1.0			carb vein	
		probably now mostly sericite and qtz and minor epidote												
		qtz - 30%, little or no kspar but feldspars are slightly		4083	No sample									
		hematized		4084	462	463.4	1.4		27	0.1			fractured & altered	
		- 1% qtz-carb veining		4085	463.4	465	1.6		35	0.9			"	"
		-no sulphides		4086	465	466.6	1.6		41	ND			"	"
		249.4 - 250.4 - shear - very chloritic w. some carbonate		4087	466.6	467.9	1.3		42	ND			Q-C vein	
		veining 60° to CA		4088	467.9	469.9	2.0		27	0.5			veining fr-bearing	
		264 - 274 - gndrt c.g. with feldspars which are not as		4089	473	476.5	1.5		21	ND			QZ veining	
		creamy coloured and more chlorite and sericite around qtz		4090	No sample									
		grains. Also slightly sheared gndrt between the main type		4091	478.2	478.9	0.7		48	0.1			Q-C vein	
		(as above)		4092	478.9	480	1.1		34	ND			minor Q veining	
		Contact with next unit fairly distinct but gradual		4093	No sample									
		(287.0 - 295.5)		4094	487	489	2.0		27	0.4			2% py	
		c.g. gndrt ident to 111 - 153'		4155	489	491	2.0		7	1.0			2% py	
		Has sericite (10%) and chlorite 5% alteration around qtz (40%),												
		biotite - 5%		4154	469.9	471.1	0.2		27	0.1			2 - 3% py	
		Alteration - variable due to variability of shearing												
		sulphides - none except some in shears												
		287.5 - 288.3 - shear - fairly large % of chlorite and												
		sericite												
		291.0 - 292.0 - shear - minor 1% siderite? (or leucoxene?)												
		and trace pyrite - increased chlorite (15%) and 10% sericite												
		292.8 - 293.5 - shear - very chloritic and rexlted qtz eye												

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 4/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVE RUN	RECOVE SP
295.5	298.0	QUARTZ-CARBONATE VEIN													
		f.c. qtz-carb vein - sheared or at least it has a mod shear													
		fabric fairly hard grey-greenish colour with some carbonate (less													
		than qtz) - carbonate calcite and possibly other Fe carbonate													
		trace pyrite and rexlted qtz eyes (5% locally)													
		the vein has sharp contacts 70° to CA													
298.0	305.0	SHEARED GRANODIORITE													
		slight to moderate shearing throughout the c.g. gndrt													
		chlorite - 10 - 15%, sericite 10 - 15% - rexlted around (rexlted)													
		qtz eyes shear fabric 70 - 80° to CA													
		What is important in 2 - 3% py (consistent) throughout this													
		section of sheared gndrt - m.g. - f.g. rexlted pyrite cubes													
		locally 4% max. (rue)													
		Contacts with the adjacent, unsheared gndrt are sharp													
305.0	335.0	GRANODIORITE													
		c.g. massive grey- green coloured gndrt ident to 287 - 295'													
		slightly altered and rexlted gndrt - sericite and chlorite													
		alteration - 10% sericite and 10% chlorite													
		shearing variable - generally massive (unsheared) with periodic													
		shears													
		no sulphides in zone sheared gndrt													
		veining - and carb - general 1% or less													
		areas of interest:													
		306' - 2% py over 1"													
		309.5 - 310.2 - shear with 10% qtz and carb 1 - 2% pyrite													
		also poss. Fe carb (minor)													
		318 - 319.4 - shear - chloritic and 10% qtz and carb													
		veining and reddish Fe carb or hematite (2 - 3%), no pyrite													
335.0	376.5	SHEARED GRANODIORITE													
		(335 - 345)													
		Consists predominately of slight - moderately sheared section													
		of gndrt with a higher % of chlorite (15%) and sericite (10-15%)													
		and 2 - 3% calcite in the matrix and most important 1 - 2%													
		pyrite throughout and 1 - 3% qtz-carb veining-60-70° to CA													

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 5/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A	RECOVER RUN	RECOVER SHO
		SHEARED GRANODIORITE (cont'd)												
		(345.0 - 365.0)												
		c.g. gndrt with a higher chlorite %, most probably slightly sheared gndrt - chlorite (10 - 20%) and 2 - 3% calcite in matrix and poss. 1 - 2% siderite?? in the rexlted section. This section is rexlted and sheared but not as much as 335 - 345' Sulphides - pyrite 1% ( ), but locally 1 - 2% max. over 1" - 2" sections												
		(365.0 - 371.0)												
		c.g. gndrt not as sheared as 345 - 365" or 335 - 345' no sulphides												
		(371.0 - 376.5)												
		Sheared c.g. gndrt with 20% chlorite and 10% sericite and poss. siderite and 2 - 3% calcite in matrix and 2% pyrite (rexlted cubes)												
376.5	462.0	GRANODIORITE												
		(376.5 - 391.0)												
		gndrt c.g. but with strongly hematized feldspars - pink colour this signifies an alteration change and the change is gradual but distinct												
		No sulphides												
		included in this section (at 383 - 384.2) INTERMEDIATE DYKE - sharp contacts - 60° to CA - chlorite matrix - dark green with 5% plag phenos and 1 - 3% qtz eyes - f.g. and massive - no sulphides												
		(391.0 - 448.0)												
		gndrt ident to 305 - 335'												
		c.g. gndrt, massive, greyish colour generally with sericite 10%, and chlorite (10%) alteration and slightly rexlted qtz eyes This massive gndrt contains some periodic slightly shear sections of gndrt - with a higher % of chlorite and poss more sericite and weak shear fabric 60° to CA												
		These sections usually contain 1% to trace pyrite												

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 6/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A	RECOV RUN
		GRANODIORITE (cont'd)											
		and a small % of carb veins and qtz-carb veins (1 - 2" wide)											
		Areas of particular interest:											
		394 - 399.5 - slightly sheared gndrt with a high (20%) chlorite % and 1% pyrite											
		414.0 - 424.0 - slightly sheared gndrt - higher % chlorite and some 1 - 2% epidote also a fairly consistent distribution of sulphides 1% py											
		421.7 - 421.9 - qtz-carb vein and 1% py											
		441.0 - 441.3 - qtz-carb vein											
		442.9 - 443.1 - qtz-carb vein											
		(448.0 - 462.0)											
		moderately hematized gndrt, c.g. massive - pinkish colour with 10% chlorite overgrowths and 2% yellowish f.g. - m.g. crystals (local) probably on Fe carb?, qtz eyes slightly rexlted											
		456.0 - 456.3 - qtz-carb vein 4% pyrite											
462.0	476.5	SHEARED GRANODIORITE											
		moderate - strongly sheared gndrt with accompanying characteristic alteration - intense - strong sericite (high %) and chlorite (high %) with hematite minor; weak - mod. developed shear fabric 60 - 70° to CA											
		no sulphides											
		5% qtz-carb veins											
		466.6 - 467.9 - qtz-carb vein											
476.5	478.2	INTERMEDIATE DYKE											
		f.g. hard rock, homogeneous, grey colour slightly sheared sharp contacts (probably intrusive) - estimated as a dyke of similar composition to other intermediate - contact 60 - 70° to CA											
		- no sulphides											

NO MINES (QUEBEC) LIMITED
ES PATINO (QUEBEC) LIMITEE

SHEET NO. 7/7 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHOR
478.2	483.5	GRANODIORITE c.g. gndrt with 30 - 40% qtz. Alteration - sericite (10 - 15%) and chlorite with several qtz-carb veins. 478.7 - 478.9 - qtz-carb vein with 3 - 5% py													
483.5	495.0	INTERMEDIATE DYKE f.g. grey massive dyke with 10% hematized plag. phenos and 1 - 5% qtz eyes - slightly sheared in some places - ident to other intermed. dykes													
	495	END OF HOLE ST - 2 - 3 - 18 BOXES													

MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

SHININGTREE II PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
0		-60°
200'	-66°	-59°
400'	-66°	-59°
462'	-65°	-58°

LEVEL		ELEVATION	HOLE No. ST-II-2
LOCATION	3 + 00W; 10 + 00N	BEARING 025°	SHEET No. 1/6
SECTION		LENGTH 462'	LOGGED BY P. BORN
LATITUDE		CORE SIZE AQ	PURPOSE EXPLORATION
DEPARTURE	-60°	FINISHED Jan. 24 - 29, 1981	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	SHOP
0	3	OVERBURDEN		2778	10.8	12.5	5.0		38	1.3			1% py		
				2779		17.5	5.0		13	0.1					
3	10.8	GRANODIORITE													
		C.g. massive and fairly homogeneous with 40% qtz, biotite		2780	40.0	45.0	5.0		27	0.4					
		5 - 10%, chlorite - 10% with plagioclase the predomimant													
		feldspar - 40%		2781	75.0	77.4	2.4		tr	ND			1% py		
		Textures - igneous plutonic - slightly rexlted		2782		78.1	.7		1998	1.9	0.06oz/t Au		40% qtz vein + 1% py		
		Alteration - sericite 10 - 15% with epidote minor not very		2783		83.0	4.9		48	1.0			1%py		
		distinct 1 - 2% locally		2784		83.1	.1		89	0.9			qtz vein		
		no sulphides		2785		86.0	3.0		0.005	0.008 oz/t					
				2786		88.0	3.5		480	2.1			qtz veom + 1% py		
10.8	12.5	INTERMEDIATE (compositional) DYKES		2787		93.0	1.5		89	1.5			1%py		
		fairly sharp contacts angles - 50 - 60° to CA dark grey colour		2788			5.0		27	0.3					
		and hard (siliceous comp?) massive and fine grained. The dyke													
		rock contains about 5% calcite veining with 2 - 3% pyrite		2789	109.0	114.0	5.0		20	0.4					
		present from 10.8 - 11.3'		2790		119.0	5.0		26	ND					
12.5	88.0	GRANODIORITE		2791	145.6	146.0	.4		247	0.6					
		similar or ident. to 3 - 10.8'		2792		146.3	.3		117	0.2			qtz vein		
		c.g. massive gndrt. with 30 - 40% qtz 40% plag. felds little		2793		150.0	5.0		34	ND					
		Kspar, biotite - 5%, chlorite - 10% and 10 - 15% sericite													
		alteration - generally slight to moderate		2794	150.0	155.0	5.0		26	0.6					
		no sulphides		2795		160.0	5.0		34	0.8					
		Included in this are several sections where the feldspars are a													
		cream colour, lighter colour:		2796	180.0	185.0	5.0		20	ND					
		presumably due to the more altered nature of these feldspars -		2797		190.0	5.0		41	0.1					
		ie. sericitized and epidotized and qtz intergrowths although													
		the feldspar outlines are euhedral.		2798	206.3	211.0	4.8		41	0.5					
		These sections are generally 6" - 1' wide (10% of total section)		2799		214.6	3.6		34	0.7					
		dyke of similar comp. to above occurs at 41.3 - 41.7		2800		220.0	5.0		96	ND					
		Qtz veining - 1% with minor pyrite in one or two of these													

MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

PROPERTY

DIP TEST			LEVEL	ELEVATION	HOLE No. ST-2-2
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	BEARING	SHEET No. 2/6
			SECTION	LENGTH	LOGGED BY
			LATITUDE	CORE SIZE	PURPOSE
			DEPARTURE	FINISHED	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
		GRANODIORITE (cont'd)		4001	243.5	246.0	2.5		14	0.4					
		within this section there are several points of particular		4002		246.4	.4		N.D.	0.5			qtz vein		
		interests:		4003		247.0	.6		21	0.4					
		-75 - 88.0 - gndrt with a more intense sericite		4004		252.0	5.0		27	0.2					
		alteration (15 - 20% sericite) and epidote (minor)		4005		253.4	1.4		172	ND					
		with 1% f.g. rexlted pyrite cubes		4006		253.7	.3		27	0.1			qtz vein		
		-77.8 - 78' - qtz vein - whitish qtz plus 1% py		4007		258.7	5.0		117	ND					
		-81.3 - 81.8 - f.g. - m.g. gndrt - possible shear and		4008		264.0	5.0		75	0.1					
		resultant rexltations		4009		264.5	.5		48	0.2					
		-86.0 - 86.5 - 40% of this section is qtz veining with		4010		267.7	3.2		21	0.4					
		1% py and some greyish material - streaks possible													
		tellurides?? - don't know for certain		4011	286.0	290.7	4.7		75	0.1					
				4012		294.2	3.2				No assays??		siderite-qtz vein		
		The contact with the next unit is somewhat gradual but is still		4013		296.0	1.8		137	0.2					
		distinct - since the other unit is more hematized		4014		297.7	1.7		69	0.3			some siderite veins		
38.0	154.6	GRANODIORITE											gndrt in dyke		
		(88 - 145) GRANODIORITE (altered and hematized)													
		c.g. massive fairly homogeneous gndrt. with 40% qtz, 40% plag.													
		5% biotite, 5 - 10% chlorite and sericite is not in matrix											qtz vein		
		but is apparently restricted to the interiors of euhedral													
		creamy coloured feldspars. The alteration would be plag.		4019	351.0	356.0	5.0		48	0.1			some qtz and carb vein		
		feld - sericite and epidote and qtz - apparently little or no		4020		358.5	2.5		21	ND					
		k-feldspars present.		4021		361.0	2.5		21	0.3					
		Generally the rock is fairly hard but the feldspars can be		4022		361.6	.6		14	0.3			qtz vein		
		scratched easier than in other sections. The colour of the rock		4024		366.6	5.0		7	0.2					
		is a more pinkish - grey													
		Sulphides - traces in a very few places 1% py		4025	453.0	458.0	5.0		ND	0.6					
		Qtz looks slightly rexlted - faintly starting to look like qtz													
		eyes with a higher % of chlorite present in these sections													
				4023					ND	0.6					
		(145.0 - 154.6) GRANODIORITE (sericitized)													
		gndrt is somewhat sheared with associated? sericite alteration													

NO MINES (QUEBEC) LIMITED
ES PATINO (QUEBEC) LIMITEE

SHEET NO. 3/6 HOLE NO. ST-2-3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
				4149	30.2	30.6	0.4		220ppb	1.5ppm			2% py		
		and accompanied with some qtz veining													
		- 146.0 - 146.3 - qtz vein no sulphide present		4150	46.6	47.0	0.4		55ppb	0.5ppm			0.5% py tr cpy		
154.6	162.6	INTERMEDIATE DYKE													
		homogeneous massive f.g. med. grey colour with small plag. boths		4015	324.5	325.	0.5		34ppb	0.1ppm			grdrt in dyke		
		(f.g. - m.g.) - subophitic textures with 1 - 5% plag. phenocrysts		4016	325.0	327.5	2.5		34ppb	0.3ppm					
		and 1% or less qtz eyes		4017	333.5	334.5	1.0		69 "	0.2 "					
		Contact appears sharp - intrusive looking except broken at both		4018	334.5	337.0	2.5		213 "	2.5 "			QV		
		contacts - but good core angles 60 - 70 to CA													
				2785	83.0	86.0	3.0		0.005	0.008	oz/t				
162.6	202.0	GRANODIORITE (altered and hematized)													
		same 88 - 154.6' - altered and hematized gndrt, otherwise fairly		2781	75.0	77.4	2.4		tr	ND			1% py		
		hard, massive and homogeneous with cream coloured plag. feldspars													
		sericite trace pyrite or two places													
202.0	206.0	GRANODIORITE													
		similar to above mentioned but the feldspars are not hematized													
		or the same creamy colour													
		This might represent a less altered section then above (162 - 202')													
		no sulphides													
206.0	214.4	INTERMEDIATE DYKES													
		ident to 154 - 162.6													
		f.g. rather massive with plag. in matrix as well as (1 - 5%)													
		plag. phenocrysts and 1% or less qtz eyes. Colour - generally													
		grey - green with 2 - 3% calcite veining													
		contacts are sharp and 60 - 70' to CA													
214.4	246.0	GRANODIORITE													
		(214 - 244) generally similar to 202 - 206'													
		c.g. massive, homogeneous gndrt. Alteration - slight sericite													
		(10%) and minor epidote - intergrown within plag. boths													
		generally hard rock, med. grey colour with 5% biotite, chlorite													
		Also some sections with rexlted?\ sericite - up to 15% over													
		2" - 6"													
		no sulphides													

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 4/6 HOLE NO. ST-2-2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A	RECOVERY RUN	RECOVERY SMO
		GRANODIORITE (cont'd)												
		(244.0 - 246.0)												
		increasing sericite and chlorite alteration in the c.g. massive grndrt - 10% chlorite overgrowths and 15% sericite no sulphides												
246.0	298.0	SHEARED GRANODIORITE												
		c.g. gndrt sheared with abundant sericite alteration, also qtz eyes found in place of previous more interlocking grains - rexltation during shearing. The rock has a good fabric with a 60 - 70° to CA, also the rock is softer than before and is moderately sheared throughout the entire section with some more intense local shears often with some qtz veining and qtz carbonate veining:												
		-246.0 - 246.5 - qtz veining with poss. Fe carb - siderite												
		-264 - 264.5 - qtz veining and shearing - biotite and chlorite also												
		-290.6 - 293.5 - qtz - siderite vein w. no sulphides. It is creamy coloured, f.g. with some later qtz veins cross-cutting. It qtz - siderite material intimately associated with the shear but the upper contact looks sharp - intrusive type relationship												
		-contact 60 - 70° to CA. The lower contact is sheared and part of the shear. There is definately a fair amount of siderite present - fizzes in HCl when powdered												
		-epidote stringers in the section in contact with a relatively unsheared gndrt slab 1 - 2' wide												
		-no sulphides present												
		-296 - 298' - another area of siderite concentration (qtz-sid. veins) scattered veinlets 1 - 3" wide												

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 5/6 HOLE NO. ST-2-2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RECOVER RUN	SHOT
298.0	350.0	INTERMEDIATE DYKES													
		ident to before with 2 - 5% calcite veining. The section													
		-298 - 302.0 has 5% qtz and siderite veining													
		-within the dyke is a section of gndrt 224.5 - 327.0													
		this is sheared and altered gndrt similar to above													
		-334 - 337 - qtz - carb. vein no sulphides 0° to CA -													
		1/2 of core													
350.0	359.0	GRANODIORITE (altered)													
		c.g. altered gndrt with 15 - 20% chlorite, 30% qtz,													
		40 - 50% plag. feldspar pinkish grey colour - slightly -													
		moderate shearing and altered with 10% carbonate (calcite)													
		and poss. other Fe-carb (not moderate)													
		Qtz-carb veining fairly common in this section - 5 - 10%													
		-no sulphides but veins contact angles are not good 0 - 15°													
		to CA													
359.0	462.0	GRANODIORITE													
		(359 - 412)													
		c.g. gndrt with 30 - 40% qtz, 10% biotite, 10% chlorite,													
		40% plag. little or no kspar - rather massive and homogeneous													
		rock with a slight variability in shearing - where the % of													
		sericite and chlorite increases													
		Alteration - slight rexlted qtz eyes (grains) and chlorite													
		overgrowths around them and 5 - 10% sericite as well													
		no sulphides													
		261.0 - 261.6 qtz (with lesser calcite) vein - 0° to CA													
		1/2 of core													
		(412.0 - 462.0)													
		similar to above - c.g. slightly altered gndrt but contains													
		numerous 6" - 1' sections of more hematized gndrt - ie.													
		felds hematized - also it is somewhat sheared (slight) with													
		common 10 - 15% sericite; qtz 30% - slightly rexlted within													
		this section as well. Carbonate (calcite) commonly 1 - 2%													

TINO MINES (QUEBEC) LIMITED
NES PATINO (QUEBEC) LIMITEE

SHEET NO. 6/6 HOLE NO. ST-2-2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECC RUN
		in patch of alteration												
	462.0	END OF DDH ST-2-2												

2.3960 Pad

MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

SHININGTREE II PROPERTY

DIP TEST						
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL	ELEVATION	HOLE No. ST- II-1
0		-45°	LOCATION 3+00N, 10+00W	BEARING 025°	SHEET No. 1/3
200'	-53°	-45°	SECTION	LENGTH 309'	LOGGED BY P. BORN
			LATITUDE	CORE SIZE AQ	PURPOSE EXPLORATION
309'	-52°	-44°	DEPARTURE -45°	FINISHED Jan. 21 - 24, 1981	TOT. RECOVERY

FOOTAGE FROM	TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	TO	LENGTH	ASSAYS % CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	SHORT
				2751	7.0	9.0	2.0		7	0.6			grdrt		
0	4	OVERBURDEN													
				2752	31.0	32.0	1.0		10	ND			1% py		
4	79.0	GRANODIORITE		2753	No sample										
		c.g. massive granodiorite med. grey colour		2754	37.0	38.0	1.0		7	ND			grdrt		
		qtz - 40%, biotite - 10%, chlorite 5 - 15%. Feldspar - plag. 30-50%		2755	38.0	38.6	0.6		17	0.6			tr py		
		lesser kspar - hard to see if any distinct feldspar but probably													
		some. Plagroclase is well formed (euhedral) with apparently only		2756	No sample										
		minor rexltation. Alterating slight to moderate - sericite													
		10 - 15% plus poss. epidote in several places.		4156	64.0	65.3	1.3		96	ND			tr py		
		Shearing - only minor (one or two) places where there is more		4157	65.3	65.5	0.2		21	0.9			15% py		
		chlorite.		4158	65.5	67.6	2.1		69	ND			tr py		
		Qtz veining minor - 1 - 2% generally 1 cm wide		4159	67.6	67.8	0.2		21	0.1	Au oz/TON		5% py		
		Sulphides only trace pyrite in a few places		4160	67.8	68.8	1.0		192	0.2	0.006	0.006	tr py		
		Within this fairly homogeneous granodiorite are several bands of													
		grndrt in which there appears to be more alteration of		4161	70.0	70.4	0.4		82	0.1			QV		
		plagroclase feldspars with some very minor (1%) pyrite and in													
		which the feldspars almost look porphyritic but which is not the		4162	77.0	77.5	0.5		7	0.3	tr py in fractured grdrt				
		case since there is no grain size difference between them and the													
		rest of the rock (matrix) these are below 31 - 32', 38 - 38.6',		4163	79.0	79.8	0.8		55	ND			QV		
		53.6 - 56.6'.													
		also of interest:		2757	No sample										
		65 - 65.4 - qtz veining with 2% greenish chlorite		2758	No sample										
		73 - 73.1 - qtz vein with 1% py		2759	84.0	85.0	1.0		14	ND			grdrt		
		73.7 - 1% pyrite													
				2760	110.0	111.0	1.0		17	ND			grdrt		
79.0	79.8	QUARTZ VEIN		2761	No sample										
		White massive qtz vein with some greyish streaks which might be		2762	No sample										
		tellurides? (an outside chance) and 1% py contacts has 60° to		2763	No sample										
		CA with some shearing on either side of vein for 6".		2764	No sample										
				41654	133.5	134.5	1.0		34	ND			dyke		

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PROPERTY

DIP TEST			LEVEL	ELEVATION	HOLE No. ST-2-1
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	BEARING	SHEET No. 2/3
			SECTION	LENGTH	LOGGED BY
			LATITUDE	CORE SIZE	PURPOSE
			DEPARTURE	FINISHED	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	CU CUM. W X A	AU CUM. W X A		RECOVER RUN	SHO
				2765	170.0	170.3	0.3		45	1.2			QV		
79.8	106.0	GRANODIORITE													
		identical to 4 - 79'		4166	171	173	2.0		tr	0.3			dyke w QV		
		Has c.g. massive texture, homogeneous with 40% qtz, 10% biotite + chlorite and plag feldspars with little or no kspar, no sulphides present. Alteration -sericite med grey - greenish		2767	180.6	181.6	1.0		34	0.2			strongly		
		colour.		2768	182.7	184.9	2.2		21	0.1					
				2769	No sample										
.06	129.4	GRANODIORITE (altered)		2770	No sample										
		generally c.g. and more altered than previously with the plag feldspars very creamy with probably lots of sericite + minor		2771	221.2	222.2	1.0		45	0.4			tr py in ser'd grdrt		
		epidote. Many of the plag crystals have a hematite dusting around them. There are occassional minor slip surfaces in the		2772	237.0	338.0	1.0		14	0.3			weakly fractured		
		core, otherwise massive and no sulphides.		2773	No sample										
		The contact with the less altered granite appears to be gradual but distinct.		2774	267	268	1.0		13	0.1			" "		
				2775	292	293	1.0		ND	ND					
29.4	134.5	INTERMEDIATE DYKE													
		f.g. dark grey dyke material with sharp upper and lower contacts - intrusive contacts. Generally hard, massive f.g. with 1 - 5% plag. phenocrysts.		2776	308	309	1.0		7	0.2			grdrt		
34.5	165.0	GRANODIORITE													
		c.g. massive, homogeneous gndrt with some alteration of feldspars - sericite and poss minor epidote, although altered certainly not as altered as 106 - 129'													
65.0	176.3	INTERMEDIATE DYKES													
		same as 129.4 - 134.5'													
		f.g. material with sharp intrusive contacts but with 5% calcite veining within the dyke. Note 1% or less pyrite is ass. with the 1 - 2cm calcite stringers. Hard rock with grey - black colour, massive dyke contacts about 60 - 70% to CA													

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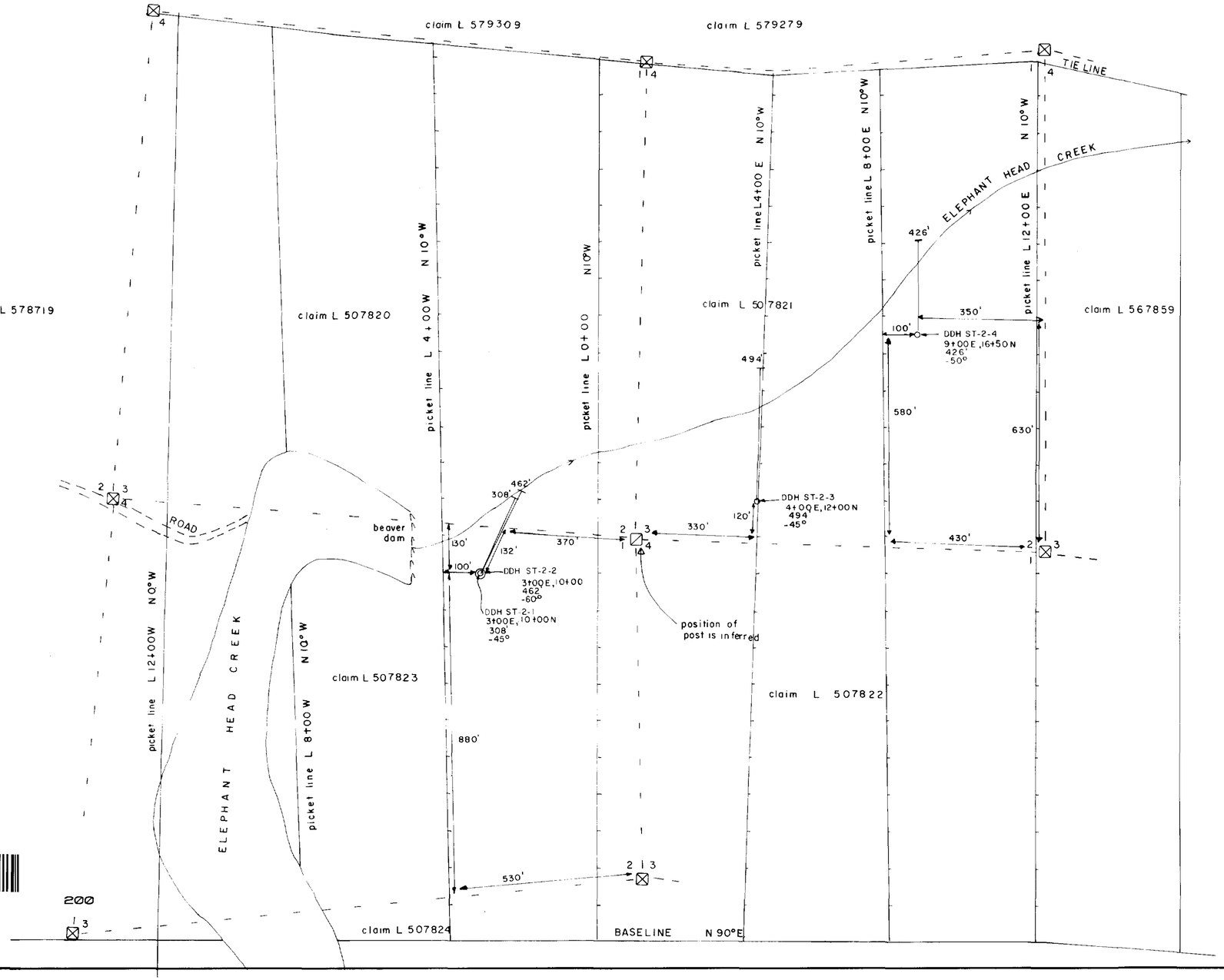
PROPERTY

DIP TEST			LEVEL	ELEVATION	HOLE No. ST-2-1
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	BEARING	SHEET No. 3/3
			SECTION	LENGTH	LOGGED BY
			LATITUDE	CORE SIZE	PURPOSE
			DEPARTURE	FINISHED	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A	RECOVERY RUN	RECOVERY SHORT
6.3	201.0	GRANODIORITE (altered and rexlted)												
		fairly homogeneous granodiorite with altered creamy coloured												
		plagroclase feldspars and hematite around these grains.												
		Qtz - 40% - probably rexlted look - qtz eyes - grains aren't												
		particularly interlocking. Also 10 - 15% chlorite.												
		Also trace pyrite - f.g. rexlted in several places.												
		This unit is similar or identical to 106 - 129 with similar												
		feldspar alteration and hematization and qtz eyes - could												
		indicate both units underwent shearing and rexlted.												
		The contact with the regular gndrt is gradual but distinct.												
1	309	GRANODIORITE												
		med. grey colour, c.g. mass. and homogeneous indent to 4 - 79'												
		qtz - 40% biotite - 5 - 10% chlorite 10% plag. feldsp - 40%												
		little or no kspar which is distinct as such												
		Alteration - moderate - with 10 - 15% sericite and chlorite -												
		note in several places the rexlted chlorite can get fairly												
		c.g. and porphroblastic in a few places.												
		Traces pyrite in places - especially in calcite veins - 1"												
		wide with 1% py - about 2% veining - also present poss.												
		some very red Fe -carbonate												
		Accessory is minor leucoxene - titanuim - whitish colour												
		locally 1%												
		(304 - 309) similar to above but gndrt has more recrystallized												
		light green chlorite - c.g. growing around mainly qtz eyes												
		Colour pinkish - grey instead of greenish grey no sulphides												
		present in the section.												
309		End of Hole ST - 2 - 1												



41P11NW0420 15 CONNAUGHT

PATINO MINES QUEBEC LIMITED
Exploration Department

Shiningtree 11 Property, Connaught Twp., Ont.

Plan with Diamond Drill Hole Locations

draughted by	PB	date Mar. 1981	Scale 1" to 200 ft
conducted by	PB	date Mar 81	
checked by	PETER BORN	date MAR 81	Drawing N°