GM 39181

DIAMOND DRILL LOG, LEMOINE V-6 PROPERTY

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PATINO MINES (QUEBEC) LIMITED
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Lemoine Y-6 PROPERTY

LEVEL 322375 cl 3	ELEVATION Chibougamau D. Drilling Ltd	HOLE No. V6-99
LOCATION 322362 cl 2,3	BEARING 333°	SHEET No. 1 OF 20
SECTION L24+00W, 15+00S	LENGTH 2829	LOGGED BY J. Reid
LATITUDE	CORE SIZE BQ	PURPOSE Exploration
DEPARTURE -87	FINISHED Started: August 20 1980 Finished: Sept. 80	TOT. RECOVERY

DIP TEST 347 .5 26

FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
200	-88°	-87
300	325/-85°	307°/-85°
400	-87	-86
600	-84	-83
800	-80	-75
873	344/-70°	326/-70
1000	-70°	-63
1103	-62	-62
1200	-65	-57.5
1273	348/-57.5	330/-57.5
1400	-61	-53
1433	343.5/-54	325.5/-54
1600	-55	-47

Footage	Recorded	Corrected
1,00	-54	-46
1883	350/-46	332/-46
2000	-50	-42°
2200	-47	-38°
2400	-41°	-33°

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE
0	33.5	overburden	
33.5	2119.3	ANDESITE of the Gilman	.6Cu
		grey green to apple green in color	
		v.f. to fine gr.	Cu
		altered; chloritise (-med), epidotised (vari-	Cu
		able in form, amounts). Carb (very minor)	
		+1% carb + qtz vein.	
		Silicification slightly in certain areas.	
		Homogeneous small - med foliated (15% C.A),	.1Cu
		evidence of flows.	
		Epidote is well disseminated throughout	
		the core, and is also concentrated	
		in patch form with qtz + carb veins.	
		mineralisation: 1% cubic Py (1-5 mm)	
		is found dispersed throughout	
		1% massive fine gr. Po; tr Cpy associated	
		with Po (see footage)	
		56.0 - 56.5 broken contact	
		56.0 - 56.1 2% Cpy is in proximity of a carb vein (but still in the andesite.	
		61 - 120 slightly more silicified	
		95.5 - 95.9 patches of epidote in carb + qtz vein also very dark chlorite concentrated around the vein. vein cuts horizontal the core	
		115.5 - 116.0 idem (95.5-95.9)	

SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	ppb AU	ppm AG	ZN %	AU CUM. W X A		REC RUN
2201	45.3	46.5	1.2	0.004	7	<1	0.012		Qtz + Epid	
2202	56.0	56.1	0.1	0.1346	23	<1	0.007		.5Po, 2Cpy, .5Py	
2203	70.1	70.6	0.5	0.015	9	<1	0.005		1Py, 1.5Po, tr Cpy	
04	70.6	70.6	0.05	0.008	7	<1	0.004		1Py, .5Po, tr Cpy	
05	70.6	71.8	1.2	0.006	<1	<1	0.005		2.5Py + Po	
2206	78.0	79.2	1.2	0.007	8	<1	0.005		1Py, tr Po	
07	79.2	79.2	0.05	0.007	<1	<1	0.005		1Po, .5Cpy	
08	79.2	80.2	1.0	0.005	6	<1	0.003		tr Py.	
2209	97.3	98.0	0.7	0.010	8	<1	0.005		1Py, tr Po	
2210	161.2	161.8	0.6	0.031	18	<1	0.005		3Py, tr Cpy	
2211	176.5	176.8	0.3	0.005	17	1	0.005		and	
2212	176.8	177.3	0.5	0.005	7	<1	0.006		2Py.	
2213	179.1	179.4	0.3	0.009	9	<1	0.005		3Py, tr Cpy	
2214	179.4	179.6	0.2	0.004	9	<1	0.008		And	
2215	210.6	211.9		0.028	8	<1	0.009		andesite	
2216	211.9	214.4	2.5	0.019	5	<1	0.018		5% po 2% py	
2217	214.4	215.4	1.0	0.003	7	<1	0.009		1% py	
2218	215.4	216.2	0.8	0.008	8	1	0.013		1% py 1% po	
2219	216.2	220.1	3.9	0.006	<1	<1	0.015		1% py 1% po	
2220	239.0	241	2.0	0.003	7	<1	0.011		<1% po, py	
2221	241	242.2	1.2	0.008	7	<1	0.012		7% po 0.5% py	
2222	242.2	243.7	1.5	0.003	9	<1	0.005		andesite	
2223	243.7	245.9	2.2	0.004	7	<1	0.005		<1% po	
2224	245.9	247.7	1.8	0.001	8	<1	0.005		andesite	
2225	247.7	249.6	1.9	<0.001	6	<1	0.005		andesite	
2226	249.6	250.5	0.9	0.004	8	<1	0.010		2% po 1% py	

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SHEET NO. 2 of 20 HOLE NO. V6-99

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION S.F. see footage	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS ppb AU	ASSAYS ppm AG	ASSAYS % CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHOR
		103.6 - 104.0 phenocr of epidote in a highly chloritized matrix		2227	250.5	252.3	1.8	<0.001	8	<1	0.005		andesite		
				2228	252.3	257.1	4.8	<0.001	<1	<1	0.002		dacite 1-		
				2229	257.1	261.4	4.7	0.002	10	<1	0.003		3-5% po		
		105.7 - 106.2 } idem (as 95.5 - 95.9) 106.5 - 106.9 }		2230	315.7	318.7	3.0	0.031	11	1	0.007		1%po <½py		
		124.1 - 124.5 Broken Core		2231	394.5	395.1	0.6	0.003	11	<1	0.008		½py		
		~133 - 200 Evidence of flows., Chilled margins.		2232	400.9	405.3	4.4	0.004	5	1	0.003		9% cbt veinlets		
				2233	425.5	428.1	2.6	0.006	8	<1	0.007		1%po ½py		
		169.3 - 171.2 highly silicified, leucocratic flow, craked surface in which there is chlorite.		2234	442.6	443	0.4	0.026	9	1	0.006		3%po ½ cpy		
				2235	539	543	4.0	<0.001	6	<1	0.008		andesite		
		169.3 - 177.5 Series of flows: highly chloritized andesite alternig with flow described in 169.3 - 171.2 (but as you go on it gets less leuco-crate, and less silicified)	?	2236	556	557.1	0.1	0.235	35	3	0.011		0.5%cpy		
				2237	557.1	557.5	0.4	0.1050	20	2	0.006		andesite		
				2238	557.5	557.6	0.1	0.017	9	<1	0.005		3%cpy		
				2239	572.9	573.2	0.3	0.028	5	1	0.014		2%po <0.5py		
		161.2 - 161.8 (S.F.) mineralisation in intra flow material Pyr is cubic		2240	636.1	640.8	4.7	0.002	6	1	0.013		½po ½py		
				2241	674.1	674.3	0.2	0.006	7	1	0.026		1%po 0.5%cpy		
		176.5 - 177.3 (S.F.) Same as 161.2 - 161.8		2242	693.2	693.8	0.6	<0.001	2	<1	0.001		BV		
				2243	778.3	783.3	5.0	0.011	18	<1	0.006		1%po ½py		
		179.1 - 179.6 (S.F.) Same as 161.2 - 161.8		2244	838	838.1	01	0.031	7	1	0.010		10%po 1%py		
		164 - 207.0 aprox. area with high frequency of epidot patches into a qtz + carb vein		2245	868.2	868.4	0.2	0.033	<1	<1	0.013		5%po 2%py		
				2246	938.9	939.1	0.2	0.018	7	<1	0.017		2%po 2%py		
		199 - 203. aprox Stretch felsic fragment (slightly carb.)		2247	971.5	971.6	0.1	0.070	9	2	0.0200		20%po, 1%py ½	cpy	

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SHEET NO. 30F 20 HOLE NO. V6-99

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS ppb AU	ASSAYS ppm AS	ASSAYS 24" CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHOR
		Gibson Andesite continued.		2248	1006.3	1006.7	0.4	0.002	5	2	0.003		carb veining		
187.		Flows. med green to apple green colours. center of flows are f-gr moderately foliated flow tops are strongly epidotized with fracturing chilled flow contacts are silicified with local epidote some flows are lt green-grey colour → dacitic compos flow contacts are oriented 20° to CA.		2249	1036.2	1040.8	4.6	0.003	17	<1	0.016		Andesite		
				2250	1053.3	1053.5	0.2	0.006	8	2	0.007		qz-carb veins		
				2451	1087.7	1088	0.3	0.035	7	<1	0.014		2% po tr py, sy		
				2452	1163	1168	5.0	0.004	<1	<1	0.011		andesite.		
		211.9 to 214.4		2453	1190.8	1191.2	0.4	0.009	<1	2	0.009		5% po tr py		
		5-10% remobilized sulphides (f-gr po + py cubes) appear to occur in interflow areas or are associated with carbonate veining		54	1191.2	1193.8	2.6	0.003	7	<1	0.007		tr po		
				55	1193.8	1194	0.2	0.020	13	1	0.007		3% po tr py		
		5-7% biotite porphyroblasts in chloritized flows.		2456	1194	1195.4	1.4	0.008	5	<1	0.009		tr po tr py.		
				2457	1328	1333	5.0	0.004	<1	<1	0.005		Andesite		
		215 to 240.		2458	1392.6	1393.3	0.7	0.023	11	2	0.005		3% po tr cpy		
		2-5% carbonate lenses and veinlets → secondary in strongly chl'd andesite to dacite flows.		59	1393.3	1394.5	1.2	0.015	19	<1	0.005		1% po		
				60	1394.5	1396	1.5	0.003	<1	<1	0.005		Andesite.		
		241 to 242.2		2461	1452.6	1453.4	0.8	0.007	<1	<1	0.063		3% po <1% py		
		f-gr po occurs as bands parallel to fol° in chl'd + cbl'd andesite		2462	1510	1510.5	0.5	0.001	5	2	0.001		qz vein		
		253 to 256.		2463	1568	1573	5.0	0.008	10	<1	0.004		dacite		
		dacitic flows very qz-rich → 25% - 30% in sericitized matrix.		2464	1548.4	1549.8	0.4	<0.001	11	2	<0.001		QV		
		2% biotite specks		2465	1556.9	1558.	1.1	<0.001	6	<1	<0.001		QV		
		and dyke contacts are gradual with more mafic flow material.		2466	1687	1688.3	1.3	0.006	<1	1	0.008		<0.5 po		
				2467	1688.3	1691.5	2.2	0.006	5	1	0.006		1% po		
		256 to 273.5		2468	1691.5	1693.3	1.8	0.009	<1	<1	0.007		1-2% po		
		dacitic to andesitic flows.		2469	1693.3	1694.7	1.4	0.015	<1	<1	0.002		3-4% po		
		5-10% biotite		2470	1694.7	1698.0	3.3	0.009	6	<1	0.007		tr po		
		moderately carb'd → appec. andesite flows.													

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SHEET NO. 4 OF 20 HOLE NO. V6-99

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS ppb AU	ASSAYS ppm AG	ASSAYS Zn% CU SUM. W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHOT
2735	280.1	FELSIC DYKE		2471	1753.2	1753.4	0.2	<0.001	<1	<1	0.002		QV		
		sharp distinct contacts with andesite.													
		lower contact 15° to CA		2472.	1891.0	1891.4	0.4	<0.001	15	<1	0.002		QV		
		lt grey colour, f to m.gr.													
		10% qz - some grains are recrystallised 20% sericite		2473.	1928	1933	5.0	0.008	7	<1	0.004		Andesite		
280.1	814.6	GLAMAN ANDESITE		2474	1999.2	1999.7	0.5	0.025	8	<1	0.035		5%po		
		med. green colour		2475	1999.7	2001.7	2.	0.009	<1	<1	0.020		2%po		
		f.gr well foliated													
		Strongly chloritized with 5-15% cbt eyes + veinlets in some flows.		2476	2093	2093.5	0.5	0.070	18	1	0.086		1-2% cpy		
		clusters of black amphibole (hbl) occurs locally		2477	2112.6	2116.2	3.6	0.001	24	1	0.007		Andesite		
		mineralisation - minor po + cpy assoc'd with		2478.	2116.2	2118.0	1.8	0.002	5	<1	0.010		Andesite		
		cbt veining usually		79	2118.	2119.3	1.3	0.003	8	<1	0.009		altered andesite		
				80	2119.3	2119.6	0.3	0.107	13	4	0.006		65%po 1-2% py + cpy		
319		280.1 to 338		81	2119.6	2120.2	0.6	0.009	9	1	0.021		1%po 1% py		
		flows are strongly chloritized dk green colour + weakly to moderately carbonated.		82	2120.2	2120.3	0.1	0.012	5	2	0.016		15-20% po to py		
				83	2120.3	2121.1	0.8	0.004	13	<1	0.018		5%po		
				84	2121.1	2122.3	1.2	0.001	13	<1	0.006		2-3%po		
		338 to 370		85	2122.3	2125.7	3.4	0.001	22	<1	0.006		3%po		
		flows are in lighter colour dacitic-andesitic comp and show an inc. in fsp content		2486	2125.7	2128	2.3	0.001	5	<1	0.007		2%po		
		some flows may contain 20% cbt eyes (~2-3mm).		2487	2164.3	2164.4	0.1	0.062	33	<1	0.004		5%po 3%cpy		
		370		2488	2235.1	2238	2.9	0.001	9	<1	<0.001		QV		
		flows are more Strongly chloritized.		2489	2238	2243	5.0	<0.001	<1	<1	<0.001		QV		
		foliation is 20° to C.A.		2490	2243	2246.1	3.1	<0.001	<1	<1	<0.001		QV		
375		similar to above.		2491	2246.1	2248	1.9	0.001	<1	1	0.005		tuff		
		chloritized flows f.gr. foliated, weakly cbt'd		2492	2248	2252.2	3.8	<0.001	11	<1	0.001		QV		
		silicified chill contacts observed locally		2493	2252.2	2253.3	0.9	<0.001	7	<1	<0.001		QV		
		probably some K-Fe-metasomatism													
		→ producing biotite-rich sections.		2494	2202.6	2202.7	0.1	0.005	9	<1	0.004		1%po to cpy		
		426.5 to 428.1		2495	24380	24423	4.7	<0.001	10	<1	0.004		EXT		
		strongly chloritized flows with remobilised veinlets of po + cpy													

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SHEET NO. 5 OF 20 HOLE NO. V6-99

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS ppb AU	ASSAYS ppm AG	ASSAYS ZN% CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHOR
		Gilman Andesite continued		2496	2530.5	2532.5	2.0	0.004	5	<1	0.005		FxT		
630.		chloritized andesite flows with silicified chilled flow contacts		2497	2532.5	2532.7	0.2	0.004	16	<1	0.007		<1% po+py		
		foliation 10 20° to CA.		98	2532.7	2533.1	0.4	0.007	40	1	0.009		3% po 1% py		
		some flows contains 5-10% rounded carbonate eyes - cavities amygdules.		99	2533.1	2533.5	0.4	0.004	12	<1	0.011		<0.5 po+py		
				2500	2533.5	2533.6	0.1	0.004	240	2	0.014		20% po 15% py		
				4201	2533.6	2533.9	0.3	0.004	71	<1	0.020		5% po 3% py		
		minor fgr po associated with carb veining		02	2533.9	2536.1	2.2	0.004	7	1	0.014		<1% py		
		minor appearance of epidotized flows tops		03	2536.1	2536.2	0.1	0.076	19	8	0.045		5% py 2-3% po		
				04	2536.2	2537	0.8	0.009	<1	<1	0.011		0.5% po		
		Some flows are more fsp rich and tend to become med-gr.		05	2537	2538	1.0	0.004	7	<1	0.016		<0.5% po+py		
				4206	2538.	2540.4	2.4	0.004	7	<1	0.034		1% po 0.5% py		
638		chloritised flows.		4207	2585.1	2587.0	1.9	0.003	5	<1	0.007		0.5% po		
		generally fgr foliated.		4208	2587.	2588	1.0	0.007	14	<1	0.128		2% po tr py		
		locally variation		4209	2588	2593	5.0	0.003	8	<1	0.070		1-2% po tr cpy		
		different degrees of carbonate alteration.													
		~5-10% carbonate eyes + veinlets.		4210	2652.9	2653.3	0.4	<0.001	<1	<1	0.006		QV		
643		similar to above.													
		557'0-557'6		4212	2706.8	2708.	1.2	<0.001	<1	1	0.008		QV		
		minor f.gr. cpy associated with carbonate veining and fract. also po + minor py		4211	2693	293.7	0.2	0.021	7	1	0.013		5% po 1% cpy		
		foliation ~21-22° to CA													
		strongly chloritized		4213	2711.2	2712.3	(1.1)	<0.001	14	1	0.004		QV + cst		
		locally fgr needle of hbl? occur randomly oriented in andesite		4214	2750°	2750.5	0.2	0.005	9	<1	0.005		3% po 2% py		
601		still in strongly chloritized flows.		4215	5765.3	2770.3	5.0	.003	<2	<1	.009		<1% cpy		
		632													
		flow material is dk green chloritized.		4216.	2815	2819	4.0	.002	<2	<1	.007		carbon'g		
		f.gr to aphanitic													
		very massive + homogeneous.													
		taken contact of flows at 638 is moderately epidotized 10% epi													
		locally in silicified patches dupnt of f.gr.													
		needs of anyp.													

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SHEET NO. 60F 20 HOLE NO. V6-99

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AS	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHOR
		Gilman Andesite continued.													
456		Strongly chloritized f.g. moderately foliated andesite flows. dk green colour. weakly carbonated. low f.g. content - rocks sericitized. tr % of epidote → locally as porphyroblasts.													
		726.1 DACITE FLOWS. lt green-grey colour. good silicified chilled flow contacts oriented ~25° CA → as well as foliation. → epidotized - fractured flow tops													
		726.1 to 727.4 represents 1 flow 726.1 to 726.5 strongly epidotized flow top 727.3 silicified + chl'd flow centre with epi/zoisite porphyroblasts 727.4 strongly chloritized aphanitic material at 727.4 silicified flow contact.													
		minor mineralization f.gr py cubes + f.gr po stringers													
816.4	820	ANDESITE (MAFIC) DYKE dk green to black colour f.gr. massive v strongly chloritized minor cbt contacts are v f.gr and contain biotite oriented 30° to core axis 1-2% fine gr remobilized po throuout.													

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SHEET NO. 7 OF 20 HOLE NO. V6-89

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
880		GUMAN ANDESITE med to light greca colour well-foliated. approx 35° to core axis moderately to strongly chloritize. 820 to 868 appear increase in cbt eyes → 5mm long flattened parallel to foliation. some flows contain up to 30% amygdules in chloritized andesite. minor hairline cbt veinlets. minor patches of epidote. 868 flows become more homogeneous + uniform med gr med-lt green colour increase in fsp probably fsp → ser/epi minor cbt veinlets minor po associated with calc'd areas.													
887		still in flows - chilled flow contacts observed locally + epidotized flow tops. andesite is moderately foliated + chloritized f.gr + fairly homogeneous. minor cbt veinlets. some flows contain cbt / silicified-chl'd amygdules.													
944		similar to above description fairly homogeneous f.gr strongly chloritized andesite flows. 2% of hairline veinlets of carbonate. 971 probably represents silicified flow top. with epid + silicified amygdules.													

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SHEET NO. 80F 20 HOLE NO. V6-99

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
		GILMAN ANDESITE continued flows are probably thicker in this section as suggested by their homogeneous nature. + uniformity													
1002		foliation is ~45° to C.A. flows are similar to above description mineralization is very disseminated. recrystallized f.g. py + locally recrystallized py cubes. minor chl violets.													
1063	1083.6	FELSIC DYKE? upper contact is sharp + distinct compositionally. med - gr. red grey colour well foliated 10-15% blue qz phenocrysts minor fsp phenocrysts groundmass v.f.g. qz+fspt ser. & 5% biotite.													
1083.6		GILMAN ANDESITE dark - red green colour f.g. homogeneous moderately foliated ~45-47° to C.A strongly chloritized with ~2% carbonate veinlets. Upper contacts observed locally → probably thicker flows. minor epidote porphyroblasts.													
1118		1123 flows appear to be thinner - andesite is less homogeneous. more epidotized flow tops + more chilled contacts still strongly chloritized with minor epidotization. locally porphyroblastic growth of hbl needles													

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

SHEET NO. 9 of 20 HOLE NO. V699

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
		Gilmas Andesite continued.													
		weakly foliated.													
		locally inc in fgr hbl content.													
		up to ground 1198													
		strongly chloritized													
		1198 - 1300													
		more felsic composition ft green													
		dacite andesite.													
		moderately chloritized													
		5-10% biotite specks <1mm.													
1233		abundant silicified-epidotized flow tops.													
		~2% cbt in veining or as lenses in groundmass													
		moderately chloritized													
		well foliated flows → ~55° to CA.													
		biotite aligns // to foliation.													
		ft yellow-green porphyroblastic epidote-zoisite													
		pervasive throughout section.													
		chilled flows contacts observed locally.													
		section - barren in sulphides.													
1290															
		1300													
		andesite becomes v fgr to aphanitic and													
		pillow structures are prevalent in sections.													
		ie increase in chilled flow contacts, and rounded													
		to irregular chilled contacts.													
		2-3% biotite porphyroblasts still pervasive													
		some pillows appear to be completely to													
		partially silicified + epidotized.													
		carb / + silicified amygdules in fgr chl groundmass.													
		some pillows & flows contain up to 10-15%													
		calcite - cbt?													
		trace amounts of po.													

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	SHO
		Gilman Andesite continued													
1348		strongly to moderately carbonated · chloritized flows of andesite-dacite composition lt green colour. abundant carbonate veinlets parallel to foliation minor epidote 1392.6 to 1394.5 minor remobilized v.f.gr. po associated with carbonate veining <1% biotite.													
1406		dacitic to andesitic flows + pillows. lt to med green. aphanitic to fine gr. moderately foliated. silicified flow tops generally 2-3" thick moderately to weakly carbonated. 1443 to 1452.6 dk green strongly chloritized section does not appear to be a dyke - contacts are somewhat gradational. 10-15% cbt veinlets + lenses. minor epidote-zoisite. @ 1452.6 to 1453.4 minor po mineralization in silicified zone which occurs at a distinct composition change in flow material → from andesite to DACITIC MATERIAL "silicified" zone is well foliated + gradational into dacite. dacite is fairly massive, + homogeneous f.gr. pale green - yellow [illegible] ⇒ ep-zoisite / weakly chloritized													

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SHEET NO. 11 OF 20 HOLE NO. V6-99

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
		Gilman Andesite (continued)													
1463		dacite fine-gr massive (weakly foliated) flows. pale green-yellow colours. + epidotized: silicified. with minor chloritization. some flows are strongly carbonated. probably fairly thick flow - several feet thick + minor pillow structures.													
1521		1537.5 to 1561 flows are slightly more chloritized + contain 3-5% opaque white mineral <0.5mm.													
		1561 to 1684 Dacite flows again. aphanitic to f.gr. pale green colour moderately to weakly foliated chilled flow contacts observed locally ~1571. some flows are more chloritized generally. probably epidotized. foliation is 50° / to CA. ??													
1570		Dacitic flows. + pillows moderately chloritized silicified flow tops, chilled margins; amygdules. minor remobilized mineralization <0.5% po													
		1684. + more strongly chloritized + carbonated flow features not apparent. - could be tuffs? 1686 to 1698 disseminated po stringers throughout section. associated with silicified + carbonate sections.													

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SHEET NO. 12 OF 20 HOLE NO. V6-99

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
		Gilman Andesite continued													
		1684-2008													
		section is well-foliated ~60° to C.A.													
		probably represents thicker flows.													
		abundant compositional variation from													
		dacitic to andesitic material.													
		f to med grained													
		moderately epidotized in sections.													
		epidotized flow top @ 1708?													
1713		fairly massive + homogeneous andesite.													
		moderately chloritized													
		fine to med grained.													
		strongly epidotized in sections. → after fsp.													
		minor carbonate veinlets + lenses													
		probably thick flow material.													
		in mid-gr section chl'd patches 1-2mm = px?													
		- subophitic to epi- sen'd fsp?													
1788		similar to above.													
		massive + homogeneous:													
		moderately chloritized + epidotized.													
		no apparent structures such as flows/tuff beds													
		probably still thick andesite flows.													
		epidotization associated with QV													
		fine to med grained													
		minor carbonate.													
		1851-1852													
		contains silicified lenses flattened													
		parallel to foliation ??													

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SHEET NO. 13 OF 20 HOLE NO. V6 99

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
		Gilman Andesite Continued.													
1886		similar to above massive ° fairly homogeneous andesite. med - grained med green colour moderately chloritized pronounced absence of veining weakly foliated no flow / tuff features variation in the degree of chloritization - epidotization in sections: but everything is gradational. minor biotite <1% locally.													
A43		2008 to 2058.5 andesite becomes very strongly chloritized with patches of Epidotization. 2099.2 to 2001.1 minor disseminated po mineralization, associated with silicification & folding. fine to med-gr. with <1mm fine-gr white mineral (leucoxene) → 3%. <1% po 2052.5 to 2074. silicified dacite flows) pale yellow-green colour. fine-gr to aphanitic. moderately foliated. highly silicified flow tops & core with sections of strong chloritization. Clt gz amygdules observed locally													

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SHEET NO. 14 of 20 HOLE NO. V6-99

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
		Gilman Andesite continued.													
		2052.5 to 2119.3													
		back into strongly chloritized andesite.													
		fine to med gr with sec- epi fsp locally.													
		minor cpy mineralization 2093 20935													
		locally becomes med gr -> 3-4mm													
		2108 to 2119.3													
		very strongly chloritized lower contact of andesite. with up to 25% carb veinlets.													
		+ QV													
		well-foliated → ~68° to CA													
2119.3	2120.3	MINERALIZED ZONE AT GILMAN - WACONICHI CONTACT.													
		at 2119.3 (													
		contact is sharp & is marked by													
		0.3' of massive po + minor amounts of pycpy													
		mineralization occurs in chloritized FXT													
		with in part contains silicified laminations													
		fine-grained po generally looks remobilized.													
		occurring as "blebbets" or stringers in FXT													
		or associated with minor qtz veining													
2120.3	2179.1	WACONICHI FELSIC CRYSTAL TUFF													
		dark grey colour													
		weakly foliated													
		5-20% crystal (2-4mm) in fine-grained matrix													
		of qz + chl.													
		crystals (15-20%) predominantly fsp 75%													
		which are white, euhedral to subhedral													
		25% qz + blue qz eyes.													
		2122.3 to 2128													
		3% fine po stringers occur in the matrix.													
		fsp crystals are carbonated along fractures within													

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SHEET NO. 15 OF 20 HOLE NO. 16-99

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
		WAGONICHI FELSIC CRYSTAL TUFF continued													
2172.	2179.7	Felsic Crystal Tuff.													
		med grey colour													
		siliceous - rhyolitic composition - sericitized.													
2179.7	2185.1	ANDESITE DYKES													
2187.7	2191.8	dark green colour													
		fine-gr. - aphanitic													
		v. strongly chloritized as well as groundmass being													
		v. strongly carbonated - fgr cbt plus ~2% cbt veinlets													
		contacts with FXT are sharp and show an increase													
		in cbt veining.													
2191.8	2211.5	FELSIC CRYSTAL TUFF													
		med grey colour													
		weakly bedded → defined by % of cystals, %													
		& sericite.													
		% of phenocrysts 5 to 25% → of which 90% is subedral													
		blad laths 10% blue gz eyes.													
2211.5	2213	ANDESITE DYKE													
		fine-grained strongly carbonated + chloritized													
		sharp contacts oriented approx 60° to CA													
		moderately foliated													
		lt grey colour													
2213.	2232.	FELSIC CRYSTAL TUFF													
		similar to above description													
		variable % of phenocrysts 5 to 30%													
		generally sericitized with minor chloritization													
		average phenocryst size 2-3mm (up to 5-7mm).													
		mainly Fsp phenocrysts being altered to carbonate													
		with blue gz eyes.													

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[illegible]
2232.2	2235.1	FELSIC TUFF chloritized fine-grained tuff appears to be void of any phenocrysts moderately carbonated looks like andesite however contacts are not sharp with FXT.													
2235.1	2253.3	MAJOR QZ VEIN. milky white qz vein cross cuts tuffaceous unit.													
2253.3	2274.7	"ANDESITIC TUFF" in FELSIC CRYSTAL TUFF UNIT med green colour homogeneous fine-grained moderately - strongly chloritized. could be an andesite dyke however contacts are gradual not intrusive with the Felsic crystal tuff.													
2274.7	2477	FELSIC CRYSTAL TUFF - LAPILLI TUFF medium grey colour. well-foliated in places. strongly sericitized, moderately chloritized in places. variable % of phenocrysts: 10-25% of blue qz eyes + carbonated fsp, also lapilli >2mm are carbonated + are flattened parallel to foliation													
2308		quite variable → moderately bedded → well-foliated to massive med-grained tuffaceous beds. sericitized to chloritized matrix. crystal tuff interbedded with lapilli tuff lapilli → recrystallized qz plus carbonate. sections contain up to 50-60% lapilli with 15% crystals. some sections fine-grained ash tuff with 5% blue qz eyes. bedding on the "several inches" scale.													

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SHEET NO. 17 OF 20 HOLE NO. V6-99

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
		FELSIC CRYSTAL TUFF													
2385	2477	similar to above. interbedding of lapill-tuff ash-tuff and crystal tuff mainly sericitized but there are chloritized sections. moderately foliated. some sections of the crystal tuff are more strongly sericitized whereas others have a more qz-rich matrix. locally lapilli of chloritized material are observed. fsp phenocrysts susceptible to carb alteration.													
2477	2492	ANDESITE DYKE med-grained moderately chloritized with local epidotization fsp-rich 50-60% plag. contacts fairly sharp with FXT													
2492	2533.5	FELSIC CRYSTAL TUFF moderately bedded with siliceous cherty looking tuffaceous beds interbedded with crystal tuff crystal tuff is mainly sericitized + chloritized with 10-20% crystals of blue qz eyes and carbonated fsp phenocrysts. 2532.7 to 2533.5 siliceous ash tuff beds with increase in mineralisation. 5% fgr po 3% recryst'd med-gr py interbedded with Felsic crystal tuff beds.													

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SHEET NO. 18 OF 20 HOLE NO. V6-99

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
25335.	25337.	MINERALISED ZONE AT FELSIC CRYSTAL TUFF - AGGLOMERATE CONTACT. remobilized f-gr. po + recrystallised med-gr po with minor py cubes make up ~ 10-20% of the disseminated sulphides at the contact which occurs in siliceous - chloritized laminated material at 25339 contact is sharp with underlying f-gr tuffaceous material.													
25339.	25854.	RHYOLITE AGGLOMERATE + ASH TUFF #5339 to 2545 Ash tuff - with minor crystals + lapilli mainly qz grains 1-2mm in sericitized groundmass. fairly massive + homogeneous. 2545 to 25854: AGGLOMERATE: ~10% : flattened rhyolitic bombs + lapilli in a strongly chloritized matrix - "striped" appearance dk green-black - chloritized matrix with white rhyolite + carbonated bombs + lapilli. well-foliated ~ 80° to C.A.														
25854.	26533.	RHYOLITE (TUFF) dk grey colour. fine-grained fairly massive + homogeneous. very quartz-rich with minor sericitization + to lesser extent chloritization. minor remobilized po stringers with trace cpy ~ 1-2%													

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SHEET NO. 19 of 20 **HOLE NO.** V6-99

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(Y) RUN	SHO(…)
		RHYOLITE (CONTINUED)													
2598															
		[illegible] qz-rich – 80-90% f.g. qz													
		yellow-green f.gr mineral – sort of alteration – zoisite-leucoxene?													
		2640.5 to 2641.5													
		rhyolite becomes med-grained													
		lensoid rounded qz phenocrysts? 2-4mm oriented parallel to foliation in fine-grained matrix of qz + minor zoisite + biotite. – hbl?													
		lower contact is fine-grained to aphanitic very siliceous rhyolite													
		contact with Footwall andesite is marked by qz vein													
2653.3	2829	FOOTWALL ANDESITE													
		2653.3 to 2666													
		very fine-gr. strongly chloritized													
		after 2666													
		andesite is med-gr with f.gr sections													
		dk green colour strongly chloritized													
		10% blue qz crystals													
		15-20% epidotized fsp grains													
		strong epidotization is associated with qz-cbt veining													
		generally fairly massive + homogeneous.													
		minor po + py mineralization.													
		2728													
		andesite is fine-grained													
		strongly chloritized – 50% chl													
		with altered (saussuritized) fsp.													
		dk green colour.													
		locally f.gr. dissim. py – remobilised (?)													

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SHEET NO. 20 OF 20 HOLE NO. Y6-99

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
		FOOTWALL ANDESITE													
		appears to be weakly foliated minor qtz veining no structures (ie flows nor bedding).													
		minor sulphides associated with qz-chl veining py-py													
		2-3% white mineral <1mm. → leucoxene/ab!?													
		2815-2819 increase in qz-cbt veining in fine-grained chloritized andesite. 10-15% veining.													
		2819 EOH													
2819		146 BOXES END OF HOLE													

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Lemoine PROPERTY

DIP TEST FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
200'	-88°	-88°
300	342/-86°	323/86°
400'	-88	-88°
600'	-88°	-88°
800'	261°/90° 235°/90° 057°/89°	242°/90° 216°/90° 038°/-89°
1000	010/-83°	351°/-83°
1200	80°	77°
1400	549/-69°	330/-69
1600	69°	62°
1800	005/60°	346°/60°
2000	62°	54°
2200	58°	48°
2400	54°	45°
2600	51°	42°
2800	46°	38°
2965	004/-35°	345/-35°

LEVEL Bail Minier 671
LOCATION 322375 Cl 4
SECTION L 36+00W, 13+00S
LATITUDE
DEPARTURE -90

ELEVATION Chibougamau D. Drilling LTd.
BEARING 333°
LENGTH 2965'
CORE SIZE BQ
Started March 1 1981
FINISHED March 24 1981

HOLE No. V6-101
SHEET No. 1OF 23
LOGGED BY A. Born
PURPOSE
TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	21	OVERBURDEN
21	396.3	GILMAN ANDESITE
		dk green colour fine-grained
		strongly chloritized with minor silicified patches.
		well-foliated with foliation 21° to C.A.
		probably represents series of flows.
		~1% cbt veinlets ∥ to fol'n minor carbonate in groundsmass locally.
		trace amt py cubes generally associated with carb veining + lenses.
	75	similar to above
		silicified andesite is yellow-white, occurs over ~0.2' + probably represents altered flow tops
		generally andesite is fairly uniform.
		122.4-123.4
		2-3% py cubes remobilized
		1% hbl needles within section best observed within silicified portions because of colour contrast.
	129	

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN
	6048	122.4	123.4	1.0						2-3%py representative	
	6049	136.8	137.3	0.5						15%py cubes	
	6050	145.5	146.6	1.1	.015	—	—	.016		3%po 3-5%py	
	6051	148	148.6	0.6						1%po 3%py	
	6052	151.3	151.6	0.3						Q-C V	
	6053	209.6	211	1.4						QCV	
	6054	215.3	217.4	2.1	.004	—	—	.030		C-QV	
	6055	222.6	225.1	2.5	.029	—	—	.023		5% Q-CV with	10%py local
	6056	265.4	266.2	1.2	.004	—	—	.012		Q C Vein.	
	6057	329	331.1	2.1	.005	—	—	.001		Q C V	
	6058	338	341.9	3.9	.001	—	.029	.004		massive cbt + Qz vein	
	6059	395	396.6	1.6						3%po tr py cpy	
	6060	462.7	436.1	0.4	.016	—	—	.014		2%py	
	6061	478.5	480	1.5	.011	—	—	.007		6%py	
	6062	676.3	676.7	0.4	.007	—	.029	.012		3%py	
	6063	895.6	895.9	0.3						QV 3%po	
	6064	941.6	943.3	1.7	.001	—	.029	.013		QV	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
	129	Gilmon Andesite continued
		21 to 159
		strongly chloritized
		122.4 to 159
		f.gr. tourm/hbl needles throughout
		145.5 to 153
		minor mineralization
		upto 7% po blebs - remobilized
		upto 3-5% py cubes 5-7mm
		epidotization also occurs within this section
		generally associated with intense Q-C veining
		+ fractured flow top material
		159 to 223
		med green colour - more felsic composition
		less chloritized + less foliated
		fsp become 'med gr locally flattened ll to fol^{n}
		+ altered to ? (zoisite?)
		<1% carbonate veining
		no evident mineralization.
	185	
		208 to 223
		5% Q-C veins accompanied by intense
		chlorite veining ie @ 213 to 218
		remobilized recrystallised py associated with
		contacts of veining.
		223
		andesite becomes more strongly chloritized
		strongly foliated
		minor epidotization associated carbonate veining
		→ f.gr. probably still in flows.

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN
	6065	959	959.3	0.3	.009	—	—	.019		2% po Carb vein.	
	6066	995.4	995.6	0.2						2% py	
	6057	1067.5	1068.5	1.0	.015	—	—	.021		3% po tr cpy	py.
	6068	1188	1189.7	1.7	.001	—	—	.001		milky QV.	
	6069	1337.3	1339	1.7	.048	—	—	.005		1.2% po tr cpy	
	6070.	1419	1420	1.0						2-3% po	
	6071	1474.9	14769	1.8						5% po tr py.	
	6072	1477.4	14779	0.5						5% po 1% py	
	6073	1478.5	14787	0.2						3-4% po 1%	hn/mgt.
	6074	1525.5	1526.5	1.0						tr Cpy	
	6075	1535.2	1537.1	1.9						waste	
	6076	1537.1	1537.2	0.1	.029	—	.058	.004		3 Cpy + 12 Po	
	6077	1572.5	1573.5	1.0						.5 Cpy	
	6078	1622.6	1624.1	1.5						tr Cpy	
	6079	1648.2	1648.7	0.5	.047	—	—	.003		.5 Cpy	
	6080	1697.4	1699.7	2.3						3 Po, 2.5 Cpy	
	6081	1704.9	1705.2	0.3	.033	—	—	.013		2 Po, .5 Py	
	6082	1716.2	1718.0	1.8						2 Po	
	6083	1787.0	1787.1	0.1						gg	
	6084	1854.2	1854.6	0.4						2 Po .5 Cpy	

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

SHEET NO. 3 of 23 HOLE NO. V6101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS % Zn	ASSAYS AU CUM. W X A		RECOVE RUN
		Gilman Andesite continued.		6085	1863.6	1863.9	0.3						Qtz	
	290													
		258 to 373		6086	1877.7	1879.2	1.5	.011	—	—	.009		2Py + 1Po	
		into pillowed andesite with flows?		6087	1904.2	1905.2	1.0						1Po + 1Py + tr Cpy	
		& presence of double - chilled rims.		88	05.2	06.6	1.4						2Po, 5Py, tr Cpy	
		section is strongly chloritized with some epidote												
		well foliated. ~20-22° to CA		6089	1954.1	1954.6	0.5						Qtz + AND	
		291.5												
		strongly epidotized patch related to		6090	1962.0	1963.9	1.9	.005	—	—	.013		AND	
		fractured pillow top.	contact	91	1963.9	1964.0	0.1						Qtz	
	295.			92	1964.0	1966.4	2.4						FXT	
		295-300		93	1966.4	1970	3.6						2Po, tr Py	
		BROKEN CORE.												
		317-327		6094	2105	2109.2	4.2						waste	
		BROKEN CORE.												
				6095	2118	2118.3	0.3						Qtz - chl sr	
		still in pillowed andesite												
		more abundant → epidotised pillow rims.		6096	2124.5	2124.7	0.2						Qtz + chl sr	
		as well as silicified pillows + flow tops.												
		340-373.		6097	2135.5	2138.0	2.5						Qtz sr.	
		well developed pillows												
		well foliated ~20° to C.A.		6098	2204.0	2204.5	0.5						FXT silicified	
		Strongly chloritized.		6099	2204.5	2205.7	1.2						FXT chlor.	
		pillows generally 0.6' wide (apparent width)		6100	2205.7	2206.7	1.0						FXT Sil + fine	
				6486	2206.7	2207.8	1.1						FXT chlor.	
				6487	2207.8	2208.6	0.8						FXT Sil + fine	
		373 to 396												
		andesitic flow lack of chilled rims		6488	2252.5	2252.6	0.1						3% Spks	
		more carbonated 5% carbonate veinlets												
		and fgr carbonate in groundmass.		6489	2317.1	2319.1	2.0						FXT Silic.	
		minor epidote												
		minor remobilized Py+Po assoc'd with veining.		6490	2320.7	2321.2	0.5						FXT	
				91	2321.2	2321.3	0.1						8Po	
				92	2321.3	2321.8	0.5						FXT Silic	
396.3	399.3	FELSIC DYKE												
		It grey blown, med-grained.		6493	2329.1	2329.2	0.1						tr Cpy	
		diorite - granite composition												
		foliated, & contacts broken.												

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

SHEET NO. 4 of 23 HOLE NO. V6 101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS oz/t AU	ASSAYS oz/t AG	ASSAYS % ZN WEAK	ASSAYS AU CUM. W X A		RECOVI RUN
399.3	1964	GILMAN ANDESITE		6494	2347.4	2348.1	0.7						2Po, .5Cpy	
		Amygdaloidal andesitic flows 399.3 to 480		6495	2379.0	2382.4	3.4						FXT Silic	
		well foliated		6496	2437.0	2437.3	0.3						.5Py	
		strongly chloritized with strongly epidotized flow tops.		6497	2458.8	2460.7	1.9						qtz	
		flows are generally f.gr uniform with		98	2460.7	2461.0	0.3						tr + 1Py	
		saddened fsp.		6499	2466.6	2467.0	0.4						qtz-cb zone	
		amygdules → epidotized or carbonated		6500	2470.6	2472.8	2.2						qtz, tr	
		few to 30% of flow where present		6101	2517.1	2517.7	0.6						qtz	
		1% carbonate veinlets.		6102	2521.0	2522.0	1.0						qtz	
		6 py cubes throughout.		6103	2552.7	2553.3	0.6						Qtz	
		amygdules may be variolites → some		6104	2560.5	2561.2	0.7						1Py, .5Po	
		show concentric / zoning w silicified rims.		6105	2564.5	2565.8	1.3						1Py	
		chloritized shell + epidotized core. to 412.		6106	2565.8	2567.2	1.4						2Po, 1Py, tr Cpy	
	452			6107	2589.3	2589.6	0.3						1Po + 1Py	
		480 to		6108	2654.3	2654.9	0.6	.003	Nil	ND	.046		1Po	
		andesite is less foliated	Tr.	09	2654.9	2655.6	0.7	.011	N	.01	.13		2Po, .5Py, .5Sph	
		more massive & homogeneous.		10	2655.6	2657.7	2.1	.004	Tr.	.01	.04		1Po	
		not amygdaloidal.		11	2657.7	2658.1	0.4	.012	Nil	.01	.09		2Po, .5Sph	
		still strongly chloritized with silicified-		12	2658.1	2660.2	2.1	.021	N	.01	.36		3Po+Py, 1Sph, tr Cpy	
		saddened fsp in groundmass.		13	2660.2	2663.3	3.1	.006	N	ND	.08		1Po, 1Sph, .5Cpy	
		some flow material consists of 10% f.gr		14	2663.3	2664.5	1.2	.009	N	.01	.10		1Po	
		cbt + cbt lenses.		15	2664.5	2665.0	0.5	.023	N	.02	.09		5Po, .5Cpy, tr Sph	
		strong epidotization is related to veining		16	2665.0	2665.5	0.5	.021	N	.02	.24		3Po, 1Py, 1 Sph	
				17	2665.5	2665.9	0.4	.02	N	.07	.52		1Py, 2Sph	
		508 to 528		18	2665.9	2666.4	0.5	.13	Tr.	.02	1.12		10Po, 2Sph, 2Cpy	
		andesite becomes med-gr. with 50%		19	2666.4	2666.7	0.3	.011	N	.07	.68		1Po	
		altered fsp in chloritized groundmass.												
		542 to												
		locally andesite is amygdaloidal.												
		<1% remob py.												
		well- to moderately foliated.												
		foliation ~30° to C.A.												

ATINO MINES (QUEBEC) LIMITED
INES PATINO (QUEBEC) LIMITEE

SHEET NO. 50 of 23 HOLE NO. V6 101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS % CUM. W X A	ASSAYS AU CUM. W X A		RECOVE RUN	RECOVE SH
		Gilman Andesite (continued)		6120	2666.7	2666.8	0.1	.036	Tr	.07	.68		2Po, 1Cpy		
	564	chloritized flows which appear to becoming thinner (more chilled margins)		21	2666.8	2668.1	1.3	.014	Tr	.02	.44		3Po, 1Py, 1Sph		
		locally amygdaloidal → amygdules are		22	2668.1	2673.1	5.0	.005	Nil	.02	.05		1Po, 1Py, tr Cpy, tr Sp		
		carbonated epidotized 2-5mm in diameter		23	2673.1	2678.1	5.0	.007	N	.01	.05		2Py, 1Po, tr Cpy		
		minor epidotization in groundmass →													
		locally bsp → cpi		6124	2687.5	2698.2	0.7						3Po, .5Cpy		
		dk green colour, strongly foliated		6125	2697.0	2700.5	3.5						1Py + Po		
		<1% carbonate veinlets		26	2700.5	2700.7	0.2						10Po, 3Py, .5Cpy		
		1% py cubes) generally assoc'd w veining.		27	2700.7	2702.0	1.3						1Py + Po		
		~ 1-2mm.													
	623.	similar to above description		6128	2728.0	2729.6	1.6						1Py, tr Po		
		massive to amygdaloidal andesite		29	2729.6	2732.5	2.9						Qtz		
		py cubes tend to occur in clusters		30	2732.5	2734.2	1.7						AND + qtz		
		over 0.1'		31	2734.2	2738.0	3.8						Qtz		
		~ Skid in flows.													
	680	tends to become more massive?		6132	2746.7	2746.8	0.1						10Po, 1Cpy		
		homogeneous - less amygdaloidal													
		still strongly chloritized		6133	2750.0	2752.4	2.4						1Po, .5Sph		
		above andesite is lighter in colour - it is		34	2752.4	2753.5	1.1						5Po, .5Cpy		
		v. strongly carbonated 750% fgr carbonate		35	2753.5	2754.3	0.8						10Po, 1Sph, 1Cpy		
		in groundmass.		36	2754.3	2754.9	0.6						1Py		
		moderately foliated. ~25° to CA		37	2754.9	2759.7	4.8						3Po, 1Py		
	739.														
		739-796		6138	2773.0	2773.2	0.2						3Po		
		strongly chloritized flows - weakly to													
		strongly carbonated. 1-2% cbt veinlets		6139	2787.7	2792.2	4.5						1Po		
		moderately foliated 20° to CA		HO	2792.2	2792.6	0.4						W		
		trace amounts pyrite													
		some flows contain carbonated amygdules.		6141	2803.5	2803.7	0.2						cb + qtz tr.		
		→ some sections 50% fgr cbt in groundmass.													
		796-854		6142	2831.5	2832.5	1.0						cb + qtz + AND		
		similar to above.													
		andesite exhibits uniform nature		6143	2918.5	2919.0	0.5						qtz + cb tr		
		strongly chl'd + carbonated.													
		fgr		6144	2923.5	2924.1	0.6						Qtz + cb tr		
		1-3% py cubes.		45	2924.1	2924.6	0.5						AND		
				46	2924.6	2926.0	1.4						AND		

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

SHEET NO. 60F 23 HOLE NO. V6101

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		RECOVI RUN
		Gilman Andesite (continued)		6147	2933.6	2936.6	2.4						QTz	
854.		854-912												
		similar to above		6148	2937.3	2938.3	1.0						QTz	
		except locally carbonate becomes med-gr												
		in groundmass → may represent		6149	2948.7	2949.1	0.4						QTz	
		carbonated fsp												
		py associated w/ carb veinlets + in g mass												
		minor po associated with QCV @ 895.6												
		locally 5% bi porphyroblasts.												
		912-970												
		similar to above sections												
		except for an increase in carb-qz veining												
		→ 5% average locally up to 50% over 0.5'												
		biotite specks present												
		mino po associated with Q-C veining.												
		970-1027												
		similar to above sections.												
		more strongly carbonate → upto 50% carb'd												
		ainy cdules in some flows locally												
		strongly chloritized, fsp, well-foliated												
		some sections contain 5-10% biotite porphyroblasts												
		ie 1001-1025.												
		face remob + recrystallized py cubes.												
		1027-1085												
		similar to 907-1027												
		locally becomes lighter green in colour												
		→ more felsic 1045 to 1066												
		still presence of biotite pervasive throughout												
		2-5% Carb-Qz veining.												
		minor remobilized po + py < 1%												
		1067.5 - 1068.5												
		po & py cpy assoc'd with carb.												
		veining												

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

SHEET NO. 7 OF 23 HOLE NO. V6 101

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 BH
		Gilman Andesite continued													
	1085	1085-1143													
		more felsic composition - med green in colour.													
		still strongly carbonated but now													
		accompanied by epidotization + silicification													
		⇒ more Al-rich composition.													
		fgr carbonate occurs in groundmass.													
		+ 2-3% carbonate veinlets.													
		foliation is 25° to CA.													
		strongly - moderately chl'd													
		biotite developed along foliation planes													
		& ant. by cubes.													
		1083 to 1200													
		similar to 1085 - 1143 however not as													
		homogeneous													
		strongly epidotized pale-yellow-green colour.													
		especially along fractured zones, epidotized													
		amygdules + relic fsp in groundmass.													
		5% biotite dyped along foln planes.													
		Section represents altered flows.													
		fgr well foln'd.													
		1200 - 1257.													
		similar to 1083 - 1200													
		fairly inhomogeneous strongly epidotized													
		to lesser extent chloritized weakly carbonated.													
		strong epidotization occurs with fracture													
		zones - which may represent altered													
		flow tops?													
		1-2% qtz veining.													
		- (felsic) - dacitic - andesitic compositions													
		centre of flows are fgr chl'd + moderately													
		epidotized													
		chilled flow contacts rarely observed.													
		no mineralization evident.													

PATINO MINES (QUEBEC) LIMITED
MINES PATINO (QUEBEC) LIMITEE

SHEET NO. 8 OF 23 HOLE NO. V6101

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
	1257	Gilman Andesite (continued)													
		1257- 1316													
		similar to above dacitic-andesitic sections													
		moderately chloritized + epidotized													
		1% carbonate veining + lenses													
		med green colour, f-g2 moderately foliated													
		more strongly foliated in more strongly													
		chloritized sections.													
		fg1 psp altered to epi-zoisite.													
		not as fractured or as altered as below													
		as thicker flows.													
		no evident mineralization													
		1316-1373.													
		similar to above except more strongly													
		chloritized with minor epidotization													
		1337.3 to 1339													
		fractured C+Q veining accompanied by													
		strong epidotization													
		~3% remobilized po + cpy													
		weakly carbonated													
		Andesite compositions + generally less													
		sheared + fractured.													
		1339- 1427.3													
		strongly chloritized well-foliated with													
		2-5% carbonate veining + leases.													
		minor epidotized.													
		remobilized po throughout.													
		1422.3 - (1430)													
		Andesite becomes homogeneous													
		weakly foliated lacks veining													
		2-15% epidote in chl'd groundmass.													
		fine- to med-grained.													

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.NES PATINO (QUEBEC) LIMITEE

SHEET NO. 9 of 23 HOLE NO. V8 101

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	
1430		Gilman Andesite (continued)													
		1430 to 1474 Similar to above description for 1422.3 to 1430. massive homogeneous andesite.													
		1474 to 1486 minor mineralization throughout section. average 2-5% po (up to 50% po over 0.2') trace py. ← disseminated po stringers are remobilized → associated with carbonate veining.													
		1478.5 - 1478.7 1% mgt or specularite associated w po													
		1474 to 1487. ← well-foliated 2-5% carbonate veining.													
		1487 - 1507 AND very fine gr. light greenish colour, med chloritic, minor Epidot Surface rugged. 2% cb, V. patch of epidot aso with cb + qtz v. locally presence of biotite within ground-mass fairly uniform.													
		1507 and on AND qtz slightly to med high silicified med chlorite Epidot concentrated locally. presence of biotite + Magnetite concentrated in between flow (or pillow).													
		1525 - 1537 zone, med chlorite, med epidot (patch + veinlets) highly silicified													

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

SHEET NO. 10 of 23 HOLE NO. V6-101

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 SH
		tr Cpy found within epidot zones.													
		Zone ends by a presence of qtz + felds + chlorite + Po + Cpy (90° C.A.) + very small band of it. Po + cpy is stringer.													
		1537 - 1557 dacite in composition light grey in color, very fine gr. Massive, homogeneous med chlorite, lack of cb v.													
		1557 - 1654 qt into yellow green AND. pillow + chilled m coarser gr. Med chlorite, minor to med epidot local Mgt, tr Cpy (within epidot + qtz patches) Amygdules qtz or epidot filled, round are present locally AND is more felsic, felsds are med. gr. Epidot is in ground mass, and is also concentrated in patches with presence of qtz													
		1654 - 1659 Med green in color fine gr. Massive, homogeneous, equigranular, uniform Med. chlorite 1% cb veinlets, 2% Mgt within ground mass. Sharp contact lower,													

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

1797

SHEET NO. 11 of 23 HOLE NO. V6-101

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	SH
		1659 - 1697 Same features as 1557 - 1654 pillow + chilled margins, amygdaloid epidot +/or qtz filled (could show top of pillow ?). Some foliation evident due to the circling of amygdules. (50° C.A.)													
		1697 - 1908. med to dark green. fine gr. homogeneous in composition. high chlorite, very minor epidot 5-10 % cb veinlets + vesicules flattened Po } cpy } apears within cb veinlets (See assays). These veinlets Are all // (45° C.A)													
		MQT found locally. At its the composition (more or less felsic) no amygdaloids nor chilled margins, AND cb uniformed. minor cb within ground mass Epidot zones when distributed within the ground mass. 1783 epidot patches													
		1860 - 1873. same as described in 1697, but more felsic, felds get coarser absence of cb or qtz v.													
		1873 - 1878 flows, foliation													
		1878 - 1900 aphanetic to fine gr. light to med green in color, Fairly homogeneous, massive (no foliation) med chloritic, minor epidot (within													

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

SHEET NO. 12 of 23 HOLE NO. V6-101

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		RECOVERY RUN	SHO
		groundmass) very minor cb within ground mass. 2% qtz + cb v. + vesicules rounded flow, no chilled margins to be seen 1697 and on: (tuffaceous?) within sub divisions, there is no contacts to be seen, it is very gradual. 1900 - 1908 dark green, very fine gr. no contacts to be seen, massive (no foliation) highly chloritized, minor cb within ground mass. epidot (minor) present within groundmass. 5% cb + qtz v. zigzaging (+ 1% vesicules) Po + Py + Cpy within these v. 1908 - 1964 med green in color, tuffaceous. fine gr. massive (no foliation seen) med chlorit, minor epidot Epidot within gr. mass + concentrated locally within cb + qtz v. 2% qtz + cb v locally feldsp gets coarser gr. at the same place there is white speks (~2%) + 1% MGT. 1963.9 - 1964.0 qtz vein marks end of AND and beginning FXT lower contact ... slip : broken qtz into AND													

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

SHEET NO. 13 of 23 HOLE NO. V6-101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION (s.b. = same blue.)	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
1964	2109.2	FVT light to dark grey in color matrix is aphanetic to fine gr. 5-15% phens feldsp + qtz (s.b.) foliation (due to matrix) ob massive. alteration vary locally, it is chloritic (wkd) or sericitic (med). the groundmass may be silicified, it varies locally. 1% cb N. Mineralisation Dassin. — 0 to 1% Po in stringer, // to foliation 0 to .5 Py cubic within sericitic groundmass													
		1964': grey zone, silicified. minor chlorite, 1% biotite (in matrix) 10% qtz + feldsp.													
		1964.5 & 1965.7 silicified zone, 1% phens minor chlorite and sericite													
		1965 - 1974 weak foliation, med sericite 2% Po in stringers // to foliation (50° C.A).													
		1974- dark blue, massive, aphanetic matrix 10% feldsp + qtz (s.b.) phens med chlorite 1991 med sericite * contacts for ± alteration zone are very gradual													
		1991 - 2050 mostly med to high sericite with presence locally of minor to med chlorite													

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

SHEET NO. 14 of 23 HOLE NO. V6-101

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
		2050 - 2105 mostly med chloritized (with some med. sericitized locally). foliation, can also be massive													
		2095.8 - 2096.8 broken core 2098.1 - 2098.7 "													
"		2106 - 2109 qtz + sidinte vein marks begining of zone. Contact sharp, follow foliation (50° C.A). The zone consist of: felsic matrix aphanetic (matrix with ish) whit small bands of sericitic or chloritic FX? 5% qtz. pheno. + 2% chlorite pheno.													
		it ends by being less felsic gradually but still with aphanetic matrix that is chloritic (-mus.)													
		the lower contact is marked by very thin felsic + cb ν.													
2109.2	2189.0	ANDESITE Intrusive: sup contact: aphanetic to fine gr. gr. qtz coarser as it gets deeper 2% qtz + cb ν.													
		green in color massive, -med to high chlorite minor lipidot, within groundmass + small ν. presence of white specks //													
		it ends at 2124.5, with gr gradually gets finer.													

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

SHEET NO. 15 of 23 HOLE NO. V6-101

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		RECOVEI RUN	SHI
		2124.7 after qtz + cb v, AND. but bleyer in color (meaning no epidot (within groundmass)). Aside that, it is same as 2109.2 - 2124.5													
		Epidot concentrated locally, within groundmass med to high. (2127.5 - 2132)													
		also locally it gets more felsic (2164 - 2182)													
		at 2148, contact over 0.5' lapilli? on one side coarse gr then it gets very fine gr. than coarse gr (+ minor epidot) no sut contacts, it is gradual													
		2183: Series of cb + qtz v in an AND very fine gr blue green in color. chloritise fmld. minor epidot to med (within groundmass) massive, homogeneous. 1% Py 1-mm cubic in groundmass.													
		ends by Gradually getting aphanitic gr. med to 0 epidot, contact broken.													
2189	2190	FXT grey green in color 10-20% qtz (s.b.) + feldsp in a aphanitic to very fine gr matrix rather massive (foliated locally) med chloritise mostly (sericitsi locally, also Silicification locally) 1% cb v. contact set @ 45° C.A.													

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SHEET NO. 16 of 23 HOLE NO. V6-101

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		RECOVEI RUN	RECOVEI SHI
2190	2190.7	ANDESITE dyke contact cut the host rock, aphanitic to fine gr., green in color, Med-high chloritic. Minor cb within groundmass 2% biotite II.													
2190.7	2279.0	FXT description: cf 2189-2190 2204 - 2208, silicified + hem FXT bands alternating with high chloritic FXT (see assay) 2223 - 2238 half sericitic, half chloritic FXT, alteration contacts are gradual 2252.5 - 2252.6: 3% cpy recrystallized and remobilized (within qtz vn) 2245 - 2276 mostly sericitic (med to high) chloritization is local (med); also locally there is silicification with sericite.													
2279.0	2290.0	ANDESITE Tuff (?) broken contacts; series of bands varying in thickness marked by cb v. and granoclasment, (starts aphanitic ends by being fine gr.). green in color. Massive, homogeneous in composition Med. chloritic, minor cb within groundmass + 1% cb v. wet contacts													
2290.0	2450.0	FXT description. cf 2189 - 2190 2290 - 2293, mostly sericitic (compare to chlor.).													

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

SHEET NO. 17 of 23 HOLE NO. V6-101

FOOTAGE		DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE			ASSAYS						RECOVER	
FROM	TO				FROM	TO	LENGTH	% CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHO
		2293 - 2317 mostly chloritised, with some local sericitisation 2317 - 2322 minor to highly silicified, minor sericite zone minor chlorite locally, qtz + cb v zigzaging Mineralisation: fine Cp Po within highly silicified zone (see assay) 2322 - 2368 mostly med sericit, with some med chlor locally foliation 50° C.A. tr Cpy within sericitic groundmass (see footage) 2% lenses and v of sericite. it gradually gets silicified and at 2368 it is highly silicified 2368 - 2379 highly silicified zone, massive (no foliation). minor to med chloritase with some passages of sericit. 2379 - 2382.4 (see footage) some foliation evident, highly silicified zone with presence of hematite ends with qtz v. irregular contact 2382.4 - 2437 med chlorite, foliation 50° C.A. 1% lenses cb + qtz													

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

SHEET NO. 18 of 23 HOLE NO. V6-101

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 SHC
		2437 - 2437.3 (See footage) Yellowish band made by qtz + felds matrix some mineralisation found within blue qtz													
2451.0	2565.8	ANDESITE apple green to greenish color, aphanitic to med gr. med chlorite, minor to med epidot Epidot is within groundmass and is also concentrated locally Presence 5-10% white spikes, + presence 2-5% blue qtz (locally) massive (no foliation). 1% qtz v. + big vein (See footage) 1% cubic Py within groundmass. Qtz vein 2458.8 - 2461.0 upper contact ± sharp lower " : brecciated zone upper contact, sharp (50° C.A.) follows FXT foliation lower contact broken													
2499.4	2521.	ANDESITE DYKE upper contact broken lower contact marked by qtz v. lower contact not straight. grey green in color, aphanitic to fine gr. massive, homogeneous minor chlorite, minor epidot within groundmass 12% cb + Py some with epidot v. 5% blue qtz, 5-10% white spikes AND is more felsic than before (2450), it finishes by being less epidotise and more chloritise													

ATINO MINES (QUEBEC) LIMITED
INES PATINO (QUEBEC) LIMITEE

SHEET NO. 19 of 23 **HOLE NO.** U6-101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	CU CUM. W X A	AU CUM. W X A		RECOVER RUN	SHO
		2522.0 ANDESITE tuff													
		upper contact sharp.													
		med gr. yellow-green in color													
		massive. granoclassement.													
		med chlorite, -med to highly epidot													
		5-10% white spots													
		Some blue qtz locally (2%)													
		2531 gr gets smaller and the													
		AND is same as 2499.4													
		2549 upto 5% cb-qtz v.													
		End of and -marked by slightly higher Mineralisation													
		see footage													
		lower contact : broken													
2565.8	2664.9	FXT													
		dark green-blue in color. Melanocratic.													
		5-15% pheno feldsp + qtz (s.b.).													
		Percentage varies locally.													
		Matrix is mostly aphanetic (but can be													
		very fine gr.)													
		chloritisation mostly generally medium.													
		Some minor sericitisation locally.													
		2% cb + qtz v + vesicule flattened (mostly)													
		Some foliation present locally													
		Some silicification involved locally													
		2589.3 - 2589.6 ANDesite dyke (?)													
		broken contacts. aphanetic to v. fine gr.													
		highly chloritic													
		Small Po + Py ; veinlet													
		2589.6 and on													
		FXT: increase toward the end of silicifica-													
		tion.													
		Some med sericit locally													
		Zone is massive													

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SHEET NO. 20 of 23 **HOLE NO.** V6-101

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
		also decrease toward 2654.3 of pheno													
2654.3	2678.1	Mineralised Zone (see footage) 2654.3 - 2665.4 is mostly FXT med to high chloritise, with local med sericit 0-5% pheno mostly feldsp (but qtz s.b.) Presence of small bands of rhyolite. minor cb within groundmass 1% cb + qtz v + veinlets (mostly) Mineralisation is banded sulphides of Po + Py + Cpy + Sph (Po mostly, and minor Py - Cpy - Sph) within sericitise FXT, or rhyolite. Mineralisation is f.gr. Banded: as small veinlets, but mostly as flattened spots So generally: 3Po, .5Py, 1Sph, tr Cpy. 2665.4 - 2668.1 rhyolitic material, with most of mineralisation Mostly banded f.gr Po, and cubic Py dispersed within gr.mass Cpy is banded, Sph as individual spots 10% biotite, minor sericit 2668.1 - 2678.1 aglomerate: matrix highly chloritise fine stringer of Po + Py, same within gr.mass, same within cb + qtz v.													

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SHEET NO. 21 of 23 HOLE NO. VG-101

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION (S.f. = see footage)	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
2668.	2754.3	Agglomerate - lapilli tuff													
		(qtz, Fk+) fragment lapilli made up felds+qtz+cb vesicules } 30%													
		presence of blue qtz in a highly chloritise matrix (f. gr.) Foliation 50° C.A.													
		Mineralisation: 1% cubic (1 mm) Py: +.5 Po within qtz veins													
		Some concentration locally (S.f.) within cb-qtz v.													
		2728 - 2738 60% qtz v + 40% highly chloritise aphanitic - f. gr. matrix.													
		Mineralisation 2750.0 - 2759.7 (S.F.) gradual concentration in Mineu.													
		2750.0 - 2752.4 : very minor													
		2752.4 - 2753.5 : Po is as Spot													
→		2753.5 - 2754.3 : Stringer of Po more or less following a certain direction													
		this part is v. f. gr. chloritise matrix with 10% qtz + cb v.													
		Mineralisation is found in both situation													
		2754.3 qtz + cb v. marks beginning of Rhyolite													
		in Rhyolite, Mineu is mostly as Spots													

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

SHEET NO. 22 of 23 HOLE NO. V6-101

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
2754.3	2792.6	Rhyolite Tuff (rhyo-dacitic) Sup contact is sharp. and highly chlorite thru afterward grey to dark blue in color aphanitic to very fine gr. massive, homogeneous in comp. minor Sericit locally. and minor chlorite. Mineralisation: Po as big spots within gr-mass See footage generally 1% Po 1% qtz v (minor cb.). 2781.9 - 2782.6 big fragments made of biotite 100% composition vary slightly locally. (i-e higher % of feldsp) Rhyolite ends by being Silicified over 1' apx													
2792.6	2965.0	ANDESITE FOOTWALL Sup contact subtle. apple green in color v. fine to fine gr. varies throughout massive, homogeneous in comp. up to 10% blue qtz locally. chloritisation med. 1% cb-qtz v. Epidot med, is within gr-mass also as phenocryst. up 5% white spots locally. Presence of 5% hornblend needle locally. Mineralisation: 1% Po mostly within gr-mass.													

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

SHEET NO. 23 of 23 HOLE NO. V6-101

FOOTAGE		DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE			ASSAYS						RECOVERY	
FROM	TO				FROM	TO	LENGTH	% CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHOR
		2828 - 2857 mostly f. gr.													
		2857 - 2868 higher % blue qtz													
		within med gr. and. also													
		minor epidot													
		2868 - 2905.8 med to high epidot,													
		med gr. AND													
		2905.8 - 2907.5 AND dyke													
		broken contacts													
		aphenetic to fine gr.													
		Greenish in Color.													
		med chloritize													
		5% cb + qtz v. + minor cb within													
		gr. mass.													
		2905.7 - 2965													
		fine gr. AND, up 10 % white spcks													
		5% big qtz v (s.f.)													
		2965 End of hole													
		155 boxes													

D MINES (QUEBEC) LIMITED **PATINO (QUEBEC) LIMITEE** LEMOINE MINE PROPERTY	DIP TEST: FOOTAGE / ANGLE RECORDING / CORRECTED 200' / 54° / 46° 400' / 51° / 42° 600' / 50° / 40° 800' / 42° / 34° 965' / 351 / -34° / 332° / -34°	LEVEL Bail Minies 671 LOCATION 322360 Q 2, 3 SECTION 662+70W, 9+80S LATITUDE DEPARTURE -50°	~~ELEVATION~~ Chibougamau D. Drilling Ltd. BEARING 333° LENGTH 985' CORE SIZE BQ Started Feb 20 81 FINISHED Feb 25 81

HOLE No. V6-102; SHEET No. 1 OF 13; LOGGED BY A. Borni; PURPOSE Western extension of mine Sec 40E 450 below; TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ/T AU	OZ/T AG	ZN% CU CUM. W/A	AU CUM. W/A		RECOVERY RUN	RECOVERY SHORT
0	31	OVERBURDEN	MINERALISED ZONE				↓								
				6001	633	635	2.0	0.001	tr	0.01	0.016		FXT		
31	34.7	GILMAN ANDESITE.		02	635	636.2	1.2	0.015	NiL	0.04	0.095		<1% po in FXT		
		medium green to dk green colour		03	636.2	637.6	1.4	0.31	tr	0.10	0.55		7-10% po 1% cpy <0.5 sph		
		generally f.gr to aphanitic		04	637.6	638.4	0.8	0.14	tr	0.08	0.45		3-4% po <1% cpy <0.5 sph		
		in flows + pillows → good chilled margins etc.		05	638.4	638.8	0.4	0.016	tr	0.05	0.074		biotite zone		
		moderately to strongly chloritized, some sections		06	638.8	639.1	0.3	0.29	0.005	0.05	0.037		3% po 1-2% cpy		
		contain 20% f.gr epidote porphyroblasts.		07	639.1	640.1	1.0	0.09	NiL	0.08	0.04		0.5% po 0.5% py		
		2-5% white carbonate veinlets throughout section		08	640.1	640.8	0.7	0.021	0.01	0.14	0.13		<0.5% sph py		
		→ ~ 60-58° to C.A.		09	640.8	644.2	3.4	0.055	0.005	0.08	0.25		1-2% po <0.5% py <0.5 sp		
		1-2% biotite specks <1mm throughout section	{	10	644.2	645.0	0.8	1.94	0.10	2.35	5.20	↓	3-4% po, 2-3% cpy + 2% s		
				11	645.0	645.3	0.3	0.88	0.03	1.87	3.16		1% cpy 1% sph 1% po		
		42.2 - 42.8		12	645.3	646.9	1.6	1.09	0.03	1.67	4.54	↑	4-5% po 1-2% py 1-2% sp		
		remobilized po + cpy in strongly		13	646.9	647.8	0.9	0.14	0.005	0.16	0.12		<1% po <1% py tr cpy		
		carbonated, schistose section		14	647.8	648.3	0.5	0.49	0.005	0.30	0.14		5-7% po <1% py <0.5%		
				15	648.3	649.8	1.5	0.06	0.005	0.03	0.087		Chl'd rhyolite <0.5% po		
		interflow material is brecciated + strongly epidotized.		6016	649.8	655.0	5.2	0.01	tr	0.01	0.027		rhyolite tr sulphides		
		sulpides: remobilized po + py associated w cbt-qz veining		6017	655	659.6	4.6	0.009	0.02	0.01	0.018		" " "		
		85		6018	42.2	42.8	0.6	.086	-	.087	.007		3% po 5% cpy		
		andesite is amygdaloidal + with		6019	166	168.2	2.2	.001	-	-	.003		QV		
		silicified + epidotized amygdules.													
		flows are thin in this section + pillowed.		6020	175.9	176	0.1	.240	-	.117	.047	1% cpy	5% po 5% py		
		123 - 123.5		6021	184	185	1.0			-			2-3% po 1% py		
		lt grey cherty-looking siliceous section													
		which is intensely fractured by		6022	290.8	291.9	1.1	.012	-	-	.011		5% po tr py		
		qz-cbt-bi veinlets													
		contact at 123 is sharp + 123.5 is		6023	352.5	355	2.5	.002	-	-	.004	in FXT	3% po tr py		
		less distinct - silicified flowtop?													
		or sediment.		6024	405.8	407.1	1.3	.003	-	-	.002		QV		
		epidote porphyroblasts are observed overgrowing		6025	417.3	418.8	1.5	.001	-	-	.008		Chl vein.		
		1° volcanic features locally.													

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

SHEET NO. 2 OF 13 HOLE NO. V6 102

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS oz/t AU	ASSAYS oz/t AG	ASSAYS %/0.2m SULPH.	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
144		Gtman Andesite (continued)		6026	1153.7	454.7	1.0	.004	—	> .3	.020		Andesite		
				6027	454.7	454.8	0.1						50% py		
		144 - 190		28	454.8	456.4	1.4	.003	—	—	.010		tr py		
		thin flows + pillowed.		29	456.4	456.8	0.4	.014	.002	.058	.013		35% py minor po		
		moderately - strongly chloritized.		30	456.8	457.6	0.8						5% po 5% py		
		1% Qz - carb veinlets.		31	457.6	458.1	0.5						7% po 5% py		
		well-foliated ~60° to C.A.		32	458.1	462.0	3.9					2-5%	po 5-2% py		
		some flows contain epidote porphyroblasts		6033	462.0	464.1	2.1	.008	—	—	.027	"	1 "		
		or strongly epidotized flow tops.		6034	464.1	465	0.9	.003	—	—	.011		1% py 1% po		
		amygdules rarely observed - cbt - cpi - qz - filled.													
		~ generally flattened parallel to foliation.		6035	505.8	506.7	0.9						QV w 5% po + cpy		
		166 - 168.2		6036	575	576.1	1.1	.003	—	—	.004		3-5% py		
		QV with strongly schistose silicified +		6037	576.1	577.1	1.0	.001	—	—	.023		1-2% py dyke		
		chloritized contacts.													
				6038	581	582.3	1.3	.003	—	—	.003		dyke 1-3% py		
		175.9 - 176													
		remobilized py + po + cpy in strongly carbonated		6039	675.8	676.7	0.9						2-3% QV		
		zone													
				6040	769.9	770.1	0.2	.072	.002	.117	.007		5% py		
		183 - 189													
		andesite contains 1-2% po remobilized		6041	772.5	773.5	1.0						50% Q-C V		
		+ 1% py cubes. generally associated with													
		carbonate veining.		6042	777.4	778	0.6						QV		
		190 - 224 andesite becomes massive, homogeneous		6043	823.3	823.8	0.5	.001	—	—	.001		QV		
		with lack of any flow features													
		→ thicker flows?		6044	884.5	885	0.5						Q-C V		
		it is gradational from the above.													
		10% < 1mm epidote porphyroblasts in chloritized		6045	962.1	962.2	0.1	.001	—	—	.001		1% cpy 3% QV		
		groundmass													
		minor carbonate veinlets		6046	962.8	963.6	0.8	> .4	—	.117	.012		QV		
		lower contact (212324') is carbonated.													
		~ carbonate eyes, veinlets + fg carbonate in													
		groundmass													

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

SHEET NO. 3 OF 13 HOLE NO. 86-102

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
		Gilman Andesite continued.													
		223-24													
		lower contact is highly fractured + strongly epidotized													
		probably represents lower contact of flow.													
		224-250													
		mb a sequence of strongly chloritized pillows + flows)													
		abundant chilled margins.													
		well-foliated, aphanitic													
		abundant inter flow material which is epidotized Ca^{++} - metasomatism?													
		foliation ~ 65° to CA at 235'													
		a section looks like it is undergone considerable flattening													
		225-230													
		broken core													
		minor hematitization along foliation planes.													
		250-255													
		andesite tends to be massive + homogeneous with local flow contacts.													
		255													
		similar to above however flows are apparently .5 to 1.5' thick.													
		well-foliated flow sequence.													
310		flows are generally fine well chloritized													
		some contain 2-3% epidote porphyroblasts													
		" " 20-30% fine carbonate in groundmass.													
		" " 1-3% remobilized py-po													
		which are often associated with qz-carb amygdules.													
		1-2% cpy stringers.													

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

SHEET NO. 4 OF 13 HOLE NO. V6-102.

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
	310	Gilman Andesite continued													
		313.5 to 314.7													
		lower contact of andesite													
		f-gr strongly chl'd													
		strongly calcareous													
		lower contact is sharp (intrusive?)													
		with underlying FELSIC dyke?													
		no mineralization at contact.													
314.7	350.6	FELSIC DYKE? (FELSIC CRYSTAL TUFF).													
		not typical FXT - look intrusive in nature													
		med-fg generally equigranular -													
		lt grey in colour													
		Strongly sericitized.													
		some % qz phenocrysts													
		65-80% qz 30%-15% qz ± ser ± bi													
		some of FSP are epid'd. ser. - weakly bio'd.													
		@ 350.6													
		contact is distinct with "typical" FXT													
		whether intrusive contact is debatable!													
350.6	374±	FELSIC CRYSTAL TUFF.													
		dk grey colour													
		5-10% phenocrysts of fsp (2mm - anhedral - euhedral)													
		± blue qz eyes.													
		moderately foliated													
		matrix is fg to aphanitic													
		consists of mainly qz with lesser % of													
		ser + chl + minor carb.													
		355-360 lapilli tuff with rhyolitic fragments?													

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

SHEET NO. 5 of 13 **HOLE NO.** V6-102

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		RECOVERY RUN	RECOVERY SHORT
	311	Felsic Crystal Tuff (continued)													
	374.5														
374.5	375.5	ANDESITE DYKE. f.g., dk green colour - strongly chloritized.													
375.5	386	FELSIC CRYSTAL TUFF 371-386 more chloritized than previous FXT up to 25% phenocrysts of f.sp ± qz. minor lapilli (carbonated) no well-developed bedding matrix contains Chl + ser + qz + carb.													
386	454.7	ANDESITE DYKE contact @ 386 "intrusively" distinct. 58° to C.A chilled rim - v.f.g. over 1' dyke in dark green in colour massive strongly chloritized 5% chl ± qz veining throughout dyke. some parts contain 5% f.g. epidote. white "opaque" mineral which is typical of dyke rock in the area is pervasive throughout dyke 5%. 392 - 395.5 carbonated phenocrysts of lath-shaped fsp (1-2mm long) ≈ 2-3% lower contact @ 454.7 is sharp but marked by the presence of massive py over 0.1' at contact.													

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SHEET NO. 6 OF 13 HOLE NO. V6-102

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
454.7	465.	MINERALIZED ZONE WITHIN FELSIC CRYSTAL TUFF AT ANDESITE DYKE (1/2" CONTACT)													
		454.7 to 454.8													
		456.4 to 456.8													
		50% f.gr py.													
		generally:													
		3-5% po 3% py in qtz													
		in intensely chloritic-veined FXT													
		sulphides are associated in qtz + CHL veinlets													
		which constitutes ~ 35% of section.													
465-	476.5	FELSIC CRYSTAL TUFF													
476.5	478.3	ANDESITE DYKE													
478.3	571	FELSIC CRYSTAL:													
		lt grey-yellow in colour													
		strongly sericitized													
		% sulphides variable → 0-10%													
		~ cub'd fsp + blue qz eyes.													
		matrix f.gr to aphanitic qz + ser.													
		minor po throughout FXT. 1-2% f.gr py													
		moderately foliated.													
		490-													
		CRYSTAL-LAPILLI TUFF													
		med grey green colour													
		490-525'													
		strongly chloritized + to lesser extent sericitized													
		matrix with 25-30% cbt'd lapilli													
		crystals + 1-2% blue qz eyes													
		section is well-foliated ~ 60° to CA													
		lapilli → flattened // to foliation													
		2-20mm long.													
		variable % lapilli : crystal : matrix													
		in section													
		weakly bedded:													

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SHEET NO. 7 of 13 HOLE NO. V6102.

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
		FELSIC CRYSTAL Tuff (continued)													
		525-571. FXT is more sericitized than chloritized in matrix													
		more of crystal tuff tho' only 5-10% crystals													
		less carbonated.													
		>80% seric'd matrix in most parts.													
571	574.4	HAFK DYKES													
576.1	579.1														
579.9	587.6														
		not "typical" chl'd Andesite dykes													
		black in colour with white carbonate.													
		well-foliated													
		sharp intrusive contacts with FXT													
		strongly carbonated 50% ; biotite-rich 30% → probably chl also													
		2-3% py cubes disseminated throughout.													
		probably qz+fsp?													
		contacts are chloritized.													
574.4	576.1	FELSIC CRYSTAL TUFF													
579.1	579.9	contains 2-3% biotite, 2% disseminated py													
587.6	609.0														
		587.6 to 594.6													
		FXT is dk grey in colour													
		10-25% crystals of fsp + qz in siliceous													
		+ chl'd + sericitized matrix.													
		594.6-600													
		lt grey in colour													
		v. siliceous in composition w fsp matrix													
		of >90% qz													
		5% crystals of qz + fsp													
		600-													
		FXT													
		dk grey-green colour													
		chl'd + seric'd matrix													

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 8 OF 13 HOLE NO. V6102

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 SHOR
		FELSIC CRYSTAL TUFF (continued)													
	604.9	variable compositional bedding on decimal" scale mainly strongly chloritized matrix with some beds strongly sericitized 5-25% crystals of qz + fsp.													
604.9	680	FELSIC DYKE (OR SILICEOUS EXT BED) H grey in colour contacts (55° to CA) are sharp but not chilled 40% qz 40% fsp(?) 20% sericite minor bi ~5% blue qz eyes med-gr weakly foliated													
680	636.2	FELSIC CRYSTAL TUFF H to dk grey in colour qz-rich (dacitic) matrix ± chlorite + sericite in different amounts. 10% crystals of qz + fsp 2-3mm sub-rounded. 635-636.2 <1% po.													
636.2	649.8	MINERALIZED ZONE AT FXT-RHYOLITE CONTACT. 636.2-638.4 4-10% po, 1% cpy ≤0.5% sph (f.gr sph in po not easily seen with naked eye. - see assays) po + cpy + sph are remobilised in f.gr. siliceous FXT which is weak sericitized but qz-rich weakly carbonated. 638.4 638.8 biotite zone massive biotite ± 5% chl clots. irreg "flame"-like contacts. 638.8-644.2 0.5-2% po, ≤0.5% sph ≤0.5% py 1-2% cpy locally well-foliated chert-y-looking zone (fol: 55° to CA) med grey in colour													

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SHEET NO. 9 of 13 HOLE NO. V6102

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
		Mineralized zone continued													
		638.8 - 644.2													
		difficult to ascertain mineralogy - qz-rich + strongly sericitized.													
		f.gr. sulphides are remobilized in qz±carb bands.													
		⇔ qz-carb bands interbedded in cherty + seritized beds on mm + cm scale.													
		644.2 - 646.9 1-5% po, 1-2% sph, 1-3% cpy th py													
		MAIN MINERALIZED ZONE													
		f.gr sulphides totally remobilized as well as) cherty bands)													
		sulphides associated (mainly) with "remobilized" carbonate-rich zones.													
		locally mgt porphyroblasts(?) <1mm associated w po blebs.													
		py - is generally recrystallized + occurs as cubes													
		646.9 - 649.8 th to 0.5% po 0 - <1% cpy 0 - <0.5% sph.													
		⇔ in mineralized sections (see footage) similar to above - remob sulphides.													
		"rhyolite" is strongly altered → strongly chloritized ⇔ 50% chl. 20% f.gr cbt locally + remainder f.gr qz.													
		moderately foliated.													
		sulphides occur as f.gr stringers // to fol ± dk green in colour.													
649.8	679.8	RHYOLITE. TUFF													
		dk grey in colour. f.gr													
		moderately foliated													
		probably tuff accous with 10% - 15% qz lapilli in qz-rich - chl'd matrix. - qml chl - quite variable													
6	660	Rhyolite is massive with minor compositional variation.													
		→ 260% fg qz in most sections.													

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SHEET NO. 10 OF 13 HOLE NO. V6-102.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AS	ASSAYS CU CUM. W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHO
		RHYOLITE continued													
		locally strongly sericitized patches are observed.													
		675-79.8 2-5% qz-carb veining anastomosing.													
		lower contact - 48°-45° to CA. with FW Andesite.													
679.8	787.4	FOOTWALL ANDESITE													
		lt green ~~in~~ colour													
		intrusive - looking contact @ 679.8													
		massive, homogeneous: f.gr to aphanitic													
		v. strongly chloritized.													
		<1% blue qz eyes (up to 5% locally.													
		2-5% white "opaque" mineral throughout.													
		1-2% qz-cbt veining.													
		minor carbonate													
		minor epidotization associated with veining.													
		to and py cubes.													
		715 to 765													
		med grey-green colour, med-grained													
		less chloritized, more carbonated.													
		⇐ increase in g. size - centre of intrusive													
		2-5% quartz													
		+2% carbonate veining.													
		½ of fsp difficult to est → totally altered!													
		⇐ gone to cbt.													
		765 -													
		andesite f.gr. more strongly chl'd													
		up to 6% locally													
		772.5 to 779.5													
		50% qz-cbt veining // to foliation.													

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SHEET NO. 11 of 13 HOLE NO. U6102

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
		FOOTWALL ANDESITE continued.													
775.	787.4	lower contact is aphanitic to f.gr. V. Strongly chloritized with up to 50% D-carb veining													
787.4	788.8	RHYOLITE.													
788.8	790.2	ANDESITE													
790.2	790.4	RHYOLITE													
790.4	791.0	ANDESITE													
791.0	793.4	RHYOLITE													
793.4	793.8	ANDESITE													
793.8	794	RHYOLITE													
		RHYOLITE SECTIONS. H yellow-grey colour massive - almost glassy strongly sericitized 30% f gr - aphanitic gr 10-15% qz eyes 1-2mm. contacts with andesite are sharp intrusive Some sections are med. gr. >75% qz.													
794		FOOTWALL ANDESITE dk green in colour, chloritized locally becomes med-gr - here an increase in f.sp + qz. → 50-60% in Chl'd groundmass. 1%-2% py cubes disseminated throughout section. Andesite is moderately magnetic. 810 - 910 med. gr. med grey colour. dacitic compositions.													

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SHEET NO. 12 OF 13 HOLE NO. V6102.

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		RECOVERY RUN	RECOVERY SHOR
	710	FOOTWALL ANDESITE continued. ≥70% altered fsp (± 92) in chloritized + epidotized groundmass. @ 840 845 strongly epidotized patches related to fracturing. epidote occurs 2-3% in groundmass ↳ 1-2mm porphyroblast. some sections are more chl'd than others. @ 887 porphyritic andesite w 1-2% epidotized phenocrysts (or are they amygdules??) tr py throughout andesite - dacite.													
	890	890-910. med-grained fsp altered to epi + ser. 910-944.5 generally fine-gr. after 925 section becomes more chl'd + andesitic-looking ↳ generally more altered w carbonate + epidote. py in cbt veinlets 5% flows or intrusive. 944.5-968 strongly chloritized with 50% carbonate veining + well foliated. carbonate in g'mass foliation 72° to C.A "striped" appearance green + white banding													

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 13 OF 13 HOLE NO. V6102

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
		FOOTWALL ANDESITE (continued													
		does this represent a contact zone between													
		two pulses of mafic intrusion.													
		1-2% of white opaque mineral													
		968 to 985													
		andesite gradually becomes massive + homo-													
		geneous again													
		moderately chloritized													
		fine- to med- grained													
		25-30% fs fsp + qz in chl'd groundmass.													
		<1% py cubes													
985		END OF HOLE													
		V6 102 50 Boxes.													

MINES (QUEBEC) LIMITED
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SURFACE EXPLORATION / PROPERTY
LEMOINE

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED
200	-73°	73°
300	340°/-75°	322°/-75°
400		-74
600		-72
800	351°/73°	333°/-73

LEVEL Bell Mines 671 322375 cl 3,4
LOCATION 322362 cl 3
SECTION L26+00W 13+00S
LATITUDE
DEPARTURE -75°

ELEVATION Chibougamau Diamond Drilling Ltd.
BEARING 333°
LENGTH 2407
CORE SIZE BQ.
STARTED May 14 81
FINISHED May 29 81

HOLE No. V6-103
SHEET No. 10F17
LOGGED BY A.Barr
PURPOSE
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
		1800 -40° 1000 -70° 2000 -28° 1200 -53° 2100 -28° 1300 -49° 2200 -26° 1400 -48° 2407 346/24° 328/-24° 1503 -49° D-32.5 OVERBURDEN.													
32.5	156.7	GILMAN ANDESITE		6449	35	35.3	0.3	tr	tr	.04	tr		QZ-CBT V		
		dk green in colour, fine-grained, schistose.		6450	133	134	1.0	tr	tr	.03	tr		QZ-CBT V		
		foliation is 48° to C.A.		3811	156.7	161.0	4.3	0.10	.01	.05	tr	5% po	1% py trace py		
		strongly chloritized sequence - basaltic in composition		3812	161	162.5	1.5	0.05	.01	.05	tr	5% po	1% py		
		predominantly pillow flows with minor interflow tuffs		3813	162.5	163.5	1.0	0.05	tr	tr	tr	8% po	trace py		
		which are locally silicified		3814	163.5	164.4	1.1	tr	tr	tr	tr	3-4% py	tr po		
		flow tops are generally strongly epidotized over 1.0 to 1.5'		3815	164.4	168	3.6	tr	.01	tr	tr	1% po	1% py		
		lengths with lesser silicification.													
		pillows appear to be thin 1-3 ft		3816	172.5	174	1.5	tr	tr	tr	tr	1-2%	po + py		
		locally vesicular - 1-2mm flattened, carbonated & epidotized.		3817	186	188	2.0	tr	tr	tr	tr	1% po	1% py		
		minor interpillow material - totally recrystallized hyaloclastite		3818	209.5	210.5	1.0	0.15	tr	.06	tr	5% po 1% py			
		minor Qz-carb veining.													
		<1% recrystallized po + py.		3819	244	245	1.0	0.05	.01	.03	tr	5% po	py		
		locally strong biotite metasomatism.													
		800-		3820	226.4	227.6	1.2	0.05	.01	.03	tr 1X	3-5% po	1% py 1 cpy		
		andesite becomes more massive + homogeneous													
		probably into a sequence of thick flows.		3821	288	290.2	2.2	tr	.01	tr	tr	1% po, py			
		strongly chloritized with ser' fsp - poor crystallinity		3822	290.2	290.7	0.5	0.05	.02	.06	tr	15% po	1-2% py		
		also 5% biotite porphyroblasts throughout groundmass.													
		locally - epidotized patches + porphyroblasts.		3823	303	303.5	0.5	0.05	.01	.03	tr	1-2% po, py	QV		
		moderately schistose.													
		<1% py cubes.		3824	404	405	1.0	tr	tr	tr	tr	Qz-carb V			
		where the flows show an increase in grain-size - apparent													
		sericitization - epidotization of fsp in chl groundmass is observed		3825	479.5	481	1.5	tr	tr	tr	tr	QV tr py			
145		locally - biotite infilled fractures.		3826	481	482.5	1.5	tr	tr	tr	tr	tr py cpy			
		145 - 1367													
		flows show strongly epidotized flow tops.		3827	502.5	503	0.5	tr	tr	.03	tr	tr py			
		with strongly chloritized flow centres.													
		moderately schistose.													

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 2 OF 17 HOLE NO. V6 103

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
157.6	168	MINERALIZED ZONE WITHIN GILMAN.
		→ bedded appearance suggests tuffaceous nature.
		sulphides are remobilized however weakly bedded
		within carb + biotite layers. → predominantly po (7%) + minor
		py ~1-2% trace cpy.
		158.1 massive po lense with tr cpy → remob.
		and replacement along cbt-filled lense.
		"bedding" occurs on 1-4cm scale → 48° to CA.
		160 – 162.5
		1 to 5% 2-3mm long needles of black amphibole
		porphyroblastic, randomly oriented – cross-cut and overgrow
		bedding features – later to veining also.
		local metasomatic zone.
		also in this zone py has recrystallised to 5mm cubes.
		162.5 – 163.5
/		massive chloritized ash bed? void of mineralisation
		amphibole needles
		163.5 – 164.4.
		5% f.gr remobilized py, 25% lenses + pods
		of carb. – 5% 1mm amp needles.
		164.4 – 168
		10% 1-5mm amp needles randomly oriented.
		minor mineralization 1-2% po blebs + lesser extent py - cubes
		in weakly bedded zone tuffs or flows?
		amphibole tend to cluster in more silicified bands
		forming a crude layering.
168	400.0	GILMAN ANDESITE
		168 – 169 – gradational zone with 5% amp porphyroblasts.
		grades into vesicular andesite.
		dk to med green in colour
		moderately schistose – mod-strongly chloritized
		with 15-20% pods (vesicles) of (5-10mm) carbonated.
		generally flattened parallel to foliation.
		locally epidote patches.
		1% po stringers throughout.
		minor bi + amp.

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN	SHOR
	3828	749.3	750.	0.7	0.05	tr	.04	tr	2% cpy	1% po tr sph		
	3829	807.5	808.5	1.0	0.05	.01	tr	tr	1% py			
	3830	867.7	868.7		tr	.01	tr	tr	tr po tr py			
	3831	868.7	871.		tr	tr	tr	tr	2-3% po tr	py		
	3832	991	993	2.0	tr	tr	.03	tr	1-2% po	tr py		
	3833	1013	1014.5	1.5	tr	tr	.03	tr	2-3% po	tr py		
	3834	1055.8	1056.5	0.7	tr	tr	.03	tr	QV			
	3835	1013.3	1013.5	0.2	0.15	.01	.04	Tr	tr cpy			
	3836	1143.4	1144.9	1.5	Tr	tr	tr	tr	QV			
	3837	1228.2	1229	0.8	tr	.01	Tr	tr	QV + chl			
	3838	1281.5	1282.4	0.9	0.10	.01	tr	Tr	5-7% po	tr py.		
	3839	1297.8	1298.6	0.8	tr	.01	tr	Tr	QV			
	3840	1303.5	1305	1.5	Tr	tr	.03	tr	1-2% po	tr py		
	3841	1442.5	1444.6	2.1	tr	Tr	Tr	Tr	milky QV			
	3842	1574	1574.4	0.4	tr	Tr	Tr	Tr	minor po			
	3843	1595	1596	1.0	Tr	.01	.03	Tr	8% po	tr py		
	3844	1691.5	1692.2	0.8	tr	tr	.03	Tr	QV in remob			
	3845	1735.5	1737	1.5	tr	tr	tr	tr	tr po			
	3846	1883	1883.3	0.3	tr	tr	tr	tr	QV			
	3847	1917.7	1919.1	1.4	tr	tr	tr	Tr	2-3% po + py			

PATINO MINES (QUEBEC) LIMITED
MINES PATINO (QUEBEC) LIMITEE

SHEET NO. 3 OF 17 **HOLE NO.** V6-103

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	oz AU	oz AG	Zn %	AU CUM. W X A		RECOVERY RUN	SHORT
		GILMAN ANDESITE continued		3848	2085.4	2086	0.6	tr	tr	tr	0.03	minor po+py			
		core 35° to CA at 185'		3849	2091.4	2099		tr	tr	tr	TR	1% py			
205	260	probably into schistose strongly chloritized flows with													
		minor tuffaceous beds.		6301	2157.	2158.5	1.5	TR	NiL	TR	tr	FXT tr	py		
		209.5 to 210.5		6302	2158.5	2159.2	0.7	tr	NiL	TR	tr	3% py.			
		Remobilized, mineralized zone.													
		bedding suggests minor tuffs. → cbt – chl beds.		6303	2162	2183.2		tr	TR	TR	TR	1-2% py	FXT		
		5% po with 1% py flattened lenses // to foliation.		6304	2163.2	2164	0.8	tr	tr	.03	tr	5-7% py	chert.		
		2-50% biotite → locally forming biotite-rich beds.		6305	2164	2167	3.0	tr	tr	tr	tr	1-2%	py		
		210.5		6306	2167	2169.1	2.1	tr	NiL	TR	tr	<1% py			
		Schistose - strongly chloritized flows dk green in colour.		6307	2169.1	2170.5	1.4	tr	NiL	.06	tr	3 to 3.5%	py tr po		
		chilled rims (1mm) silicified are observed locally		6308	2170.5	2172	1.5	tr	NiL	.04	tr	3-5% py			
		minor epidote porphyroblasts initiating at carbonate veining		6309	2172	2173	1.0	tr	NiL	.03	tr	3-5% py.			
		and in groundmass													
		locally flows are vesicular infilled with epidote + carb + qz		6310	2184.6	2185.1	0.5	tr	NiL	.06	tr	5-7% py			
		centre of flows are fine-grained + chl'd. minor biotite.													
				6311	2207.5	2211	3.5	tr	tr	TR	0.06	2-3% po	tr py cpy		
		it is believed due to the strong foliation that						% cu	ppb	ppm					
		where the vesicles are so strongly flattened to the point		6312	2212	2218	6.0	0.007	14	1.0	0.024	2-7%	po 1% py		
		that it looks like a lapilli tuff that it represents a		6313	2218	2220.7	2.7	0.014	21	1.5	0.033	2-5% po	1% py		
		vesicular flow → gradational contacts + chilled rims.		6314	2220.7	2223	2.3	0.002	14	0.1	0.003	5-7% po	py		
		241 - 243		6315	2223	2227	4.0	0.005	14	0.2	0.035	1% po	tr py cpy		
		strongly epidotized - silicified flow top - vesicular +		6316	2227	2229	2.0	0.006	14	0.2	0.216	<1% po	sph		
		fractured.		6317	2229	2231	2.0	0.008	21	0.2	0.39	1-2% po	1-2% sph tr cpy py		
		244		6318	2231	2234	3.0	0.010	14	0.4	0.303	2-3% po	tr sph + py + po		
		fold nose → vesicular flow looks like lapilli tuff?		6319	2234	2236	2.0	0.004	14	N.D.	0.051	1-2%	po cpy		
		epidotized.		6320	2236	2239	3.0	0.006	14	0.1	0.031	1-2% po	tr py cpy		
									oz Au	oz Ag					
		250 - unit – weakly schistose - massive		6321	2250.5	2251	0.5	tr	tr	.03	0.02	QV.			
		more felsic in composition - andesite. H med green in colour													
		sl. sericitized - epidotized moderately-strongly chloritized		6322	2260.5	2261	0.5	tr	tr	tr	tr	1-2%	po andesite.		
		minor hm along fractures.													
				6323	2282	2282.5	0.5	tr	.01	.03	tr	1-2% py			
				6324	2288.5	2289	0.5	tr	.01	.03	tr	3% py			

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

SHEET NO. 4 OF 17 HOLE NO. V6-103

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
		Gilman Andesite continued													
		260. - 290													
		sequence of thicker flows; moderately schistose, strongly chloritized with ser/epi fsp. 2-3% biotite.													
		290 - 324.													
		flows appear to be thinner + grade into pillow sequence.													
		increase in silicified-epidotized flow tops + interpillow flow altered material													
		→ unit tends to become more chloritized.													
		290.2 - 290.7.													
		10% po remob f.gr. along flow contact?													
		veining locally occurs at flow/pillow contacts - minor remob py.													
	311	324 to 400.													
		the unit becomes massive + fairly homogeneous in nature.													
		→ more andesitic in composition.													
		med to dk green in colour, fine-grained													
		mod to strongly chloritized with minor patches of silicification + epidotization.													
		→ probably represents thicker flow sequence.													
		slightly schistose.													
		minor carb-qz veining <0.5% py.													
		minor hm veinlets.													
400	423	FELSIC CRYSTAL TUFF													
		contacts are sharp + concordant with andesite.													
		med grey colour.													
		fine- to med-grained.													
		50% qz crystals rounded 2-3mm. 10% fsp.													
		in sericitized + v. fn qz-rich matrix. 5-10% biotite.													
		textures are not intrusive-looking													
		however no bedding. moderately schistose.													

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

SHEET NO. 5 OF 17 HOLE NO. V6-103

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
423	861.7	GILMAN ANDESITE.													
		dark green in colour fine-grained													
		moderately schistose strongly chloritized with local													
		silicified patches.													
	(439)	minor qpi + bi alteration.													
		423 to 478													
		sequence probably represents strongly chloritized.													
		(basaltic) flows													
		moderately schistose, fine-grained.													
		uniform with minor compositional variation													
		↔ flow-banding structures.													
		minor silicification.													
		478 to 513													
		into pillowed sequence													
		strongly chloritized with minor strongly epidotized sections													
		interpillow material appears to be epidotized + biotite-bearing.													
	(518)	minor recrystallized py cubes.													
		epidotization tends to occur along fractures, infilled with													
		carbonate as well.													
		minor carb-filled vesicles.													
	(539)	513 to 656													
		chloritized flows - few inches to 10-12 ft thick.													
		thicker flows contain 2-3% amp needles randomly oriented													
		1mm porphyroblasts - much later													
		py cubes appear to rounds along flow contacts + fractures													
		uniform - minor variation in degree of carbonization - silicific±													
	(601)	↔ flow banding.													
		amp crystals still throughout section. - tend to cluster.													
		strongly chl- basaltic composition dk green in colour													
		<1% py cubes.													
		2-3% carbonate veinlets.													
		flows tend to be fairly thick. (546-601).													
		648 to 656													
		flows become thinner several inches thick.													
		more epidotization along flow contacts.													
		more strongly schistose.													

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SHEET NO. 6OF 17 HOLE NO. V6-63

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
		Quinon Andesite continued.													
		656 - 679													
		schistosity 30° to C.A.													
		5-10% carbonate lenses + hairline fractures parallel to schistosity													
		around 679 unit becomes more felsic composition: andesite													
		mod - light green in colour.													
		more inhomogeneous than above probably into sequence													
		of pillowed andesites - double chilled rims.													
		ca 5-10% biotite,													
		epidote is also more abundant.													
		generally: fine-grained schistose, mod. chl'd with greater													
		degree of epidot'n + silicification.													
(717)		1% qtz lense of qtz.													
		type of alteration variable - chl° - silic°. epid°													
		probably still in pillows though chilled rims are rare.													
		typ appear to be epidotized													
		some sections contain 15-20% biotite.													
		minor mineralization at 749.5 cpy + sph + po along													
		pillow rims. - remob.													
		silicification common ; along pillow rims													
	773	still in pillowed andesites inhomogeneous													
		patchy silicification + epidotization of pillows.													
		chilled rims observed. - rims - silicified													
		strong degree biotitization throughout section 5-15%													
		minor carbonate veining													
		fine-grained, schistose													
		rare silicified pillow breccia.													
		mineralization limited ie 808 remob py associated													
		with biotite-rich band.													
	833.	slight increase in degree of chloritization locally													
		866 - 867.7													
		25% needs of tourmaline (brn) ~3mm long													
		prismatic - black randomly oriented.													
		Boron - metasomatism along contact with FXT.													

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SHEET NO. 7 OF 17 HOLE NO. 16-103

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
867.7	883.5	FELSIC CRYSTAL TUFF													
		med grey to black in colour													
		%age of crystals variable. 5% - blue gz eyes to 25% - generally													
		fsp-rich.													
		some sections strongly chloritized, other sections sericitized.													
		with 5% porphyro blasts of biotite throughout.													
		868.7 to 871													
		3% po stringers with minor py - prevalent in more													
		strongly chloritized sections of FXT													
		contacts are distinct with FXT and Gilman andesite - 40° to.													
		C.A.													
883.5	1595.2	GILMAN ANDESITE													
		dark green - strongly chloritized fine-grained													
		moderately schistose													
		probably represents flow sequence 1-2% biotite													
		883.5 to 917.													
		chloritized flows													
		917 to 977?													
		pillows andesites													
		med to apple green in colour													
		<- pillow rims - silicified are observed.													
		pillowed sections characteristically exhibit patchy silicification													
		+ epidotization especially at pillow tops - breccias.													
		sequence consists <1% py													
		minor bi (orang) especially at lower pillow contacts													
	(945)	minor interpillow material.													
		977 to 1016.													
		probably into flow sequence - lack of silicification + epid^n													
		andesitic composition schistose moderately chloritized.													
		increase carbonate veinlets especially at 990 to													
		where it is ~25% of the rock -> anastomosing but													
		weakly parallel to schistosity													
	(1002)	minor remob po + tr py associated with veining													
		1002 - 1016													
		becomes more chloritized.													

ATINO MINES (QUEBEC) LIMITED
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SHEET NO. 8 OF 17 HOLE NO. V6103

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
		Gulman Andesite continued													
		1016 to 1100													
		andesite unit grades into homogeneous, massive, fine-grained													
		unit of andesite-dacitic composition.													
		pale greeo-grey in colour.													
		- thick flows generally void of any carb veining													
		with minor variation in grain-size.													
		looks weakly chl'd, mod sericitized & epidote?													
	(1058)	no evidence of sulphides.													
		1100 to 1132.													
		into andesite-dacitic pillows (and thin flows?)													
		increase in silicified pillows tops with epidote-filled													
		vesicles + chilled rims.													
		section is mod to weakly chl'd mod sericitized.													
		interpillow hyaloclastite is also silicified.													
		weakly schistose													
		trace cpy at 1013.3 - 1013.5 remob & associated with													
	(1117)	silicified vesicles													
		schistosity 40° to CA seems to be variable.													
		locally silicified pillows may up to 25cm thick.													
		1132 to 1165													
		appears to represent sequence of thicker andesite flows													
		which are fine-grained, show stronger degree of chloritized													
		weakly schistose + homogeneous.													
		minor silicification occurs at flow contacts over 5-10 cm.													
		1165 to 1283													
		into andesitic pillow sequence where it becomes													
		more inhomogeneous - patchy silicification.													
		- chilled - silicified pillow rims locally carbonatized +													
		silicified vesicles													
		- interpillow material tends to be strongly chloritized													
	(1175)	with silicified fragments.													
		locally pillows become vesicular with 1cm silicified													
		vesicles.													
		pillow breccias are common at pillow contacts - silicified													
		+ epidotized.													
		(1175 to 1232 → inhomogeneous → patchy silicification)													

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SHEET NO. 9 OF 17 HOLE NO. V6-103

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 SHOT
		Arbour Andesite (continued)													
		weakly schistose throughout													
	(1232)	general increase in degree of chloritization → med green.													
		1232 to 1283													
		similar to above pillowed sequence:													
		medium green in colour moderately chloritized													
		fine-grained. + locally silicified.													
		1281.5' - 1282.4													
	(1289)	5% 1/16" stringers // to schistosity													
		1283 to													
		into chloritized andesitic flow sequence.													
		unit is med green in colour fine-grained.													
		mod to weakly schistose - where schistosity is													
		stronger → 10-15% carbonate laminae // to schistosity													
		which locally carry some po.													
		elsewhere the flows → massive + homogeneous - centres													
	(1347)	appears that fsp → epi ser? in chl'd groundmass.													
		locally where the flows become vesicular - the vesicles are													
		flattened + silicified - almost look like a lapilli tuff.													
		minor variations in grain size + type of alteration													
		- degree of silicification + chloritization defines flow banding													
		flow contacts have a chill margin of over 25 cm + thin (1mm)													
		silicified chilled rim.													
	(1405)	minor po stringers occur throughout section. <1%													
		1405 - 1460													
		med- to fine-grained increase in degree of chloritization													
		fairly massive thick flow													
		1439 - 1444.6													
		milky white QV + broken core.													
		fsp are altered to v. f.gr. epidote in chloritized groundmass													
	(1462)	← andesitic-basaltic composition.													
		(1462 - 1518)													
		andesite is med. green in colour med to fine-grained													
		massive homogeneous													
		moderately chloritized with altered fsp.													
		→ continuation of thick flow or andesite dyke?													
		minor QV													

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

SHEET NO. 10 OF 17 HOLE NO. V6-103

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 SH
		Gilman Andesite (continued)													
		lower contact is at 1574 where the andesite													
		is v. fine-grained from 1573 - 1574.													
		1574 to 1574.5													
		strongly silicified cherty-looking horizon with													
		minor po → probably altered andesite													
		grades into inhomogeneous chloritized-epidotized zone.													
		1574.5 to 1595.2													
		sequence of thin chloritized flows → locally epidotized													
		- vesicular - qz-filled vesicles.													
1588.2	1630.6	MAFIC DYKE													
		upper contact v.f.g. strongly chloritized weakly mineralized													
		with po → difficult to see where actual contact is													
		lower contact again definite decrease in grain size.													
		strongly chloritized → in contact with epidotized flow top.													
		centre of dyke Strongly chloritized fine- to medium-													
		grained dark green in colour													
		5% white specks → ? albites?													
		locally becomes med-gr with epidotized lath-shaped													
		fsp grains													
1630.6	1735.5	Gilman Andesite													
		in to andesite pillows/flows													
		more felsic in composition than dyke													
		med to apple green in colour													
		inhomogeneous alteration is patchy → silicification !													
		epidotization.													
	(1636)	→ abundant chill contacts.													
		1630.6 to around 1645													
		pillowed andesites strongly silicified.													
		1645													
		into chloritized andesitic flows.													
		fine-grained → patchy silicification throughout flows.													
		minor flow-banding.													
		minor quartz veining													

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NES PATINO (QUEBEC) LIMITEE

SHEET NO. 11 OF 17 HOLE NO. V6-103

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 SHOT
		Gilman Andesite (continued)													
		- flows or dyke. contacts are difficult to discern.													
		lower contact of Gilman is v. f.gr. - chilled from 1732 to													
		1735.7. - strongly chloritized. schistose. 2% carbonate													
		veinlets.													
1735.5	1813	FELSIC CRYSTAL TUFF													
		1735.5 to 1737.													
		contact area difficult to decide where actual contact is													
		- this zone looks like strongly chloritized FXT with													
		minor mineralisation (po)													
		NO characteristic mineralised zone usually observed the													
		GILMAN - WACONICHI interface.													
		Felsic crystal tuff is dk grey in colour.													
		generally strongly chloritized matrix with zones of sericitized matrix													
		10-15% of crystals sub-angular to sub-rounded crystals													
		of fsp & blue qz eyes. 2-5mm in size													
		appears to be v.fg - aphanitic fsp+qz in matrix													
	(1752)	moderately schistose													
		FXT is weakly bedded depending on % of crystals													
		locally some beds are void of crystals - chl/sericitized													
		ash tuffs													
		Generally 10-15% crystals + lapilli													
		in chloritized or sericitized matrix.													
		fsp crystals are starting to alter to carbonates - siderite													
1813	1815	ANDESITE DYKE													
		sharp contacts med green in colour, fine-grained													
		schistose.													
		chilled margins													
1815	1865B	FELSIC CRYSTAL TUFF													
		med grey in colour.													
		sericitized + chloritized matrix													
		5-20% crystals of fsp + blue quartz eyes. - 2.5mm.													

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

SHEET NO. 12 OF 17 HOLE NO. Y6 103

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	CU CUM. W X A	AU CUM. W X A		RECOVERY RUN	RECOVERY SHO[illegible]
		Felsic crystal Tuff (continued) 1845.5 to 1849 lapilli-crystal tuff: 2-5% lapilli - felsic - weakly carbonated. fsp crystals - sub-rounded. locally matrix becomes siliceous.													
1865.8	1917.2	ANDESITE DYKE. chloritized med green in colour. fsp appears to be epi-ser. fairly homogeneous massive. f to med grained. 2-3% white specks throughout 2° albite? minor hm along qz-carb-filled fractures.													
1917.2	1919.8	FELSIC CRYSTAL TUFF. 10% crystals of fsp + blue qz in strongly chl'bl matrix. 2-3% stringers of po + py													
1919.8	1921.	ANDESITE DYKE chloritized fine-grained.													
1921	2086	FELSIC CRYSTAL TUFF 10-20% crystals of predominantly blue quartz in a strongly sericitized & chloritized matrix.													
	(1926)	trace sulphides. dk green to grey in colour poorly bedded with variation in type of alteration, %age of crystals to matrix. etc. 1921 to 1945 predominantly sericitized matrix. with 5-10% crystals of bl. qz + fsp. 1945 to 1948 predominantly chloritized matrix with moderately carbonated lapilli + crystals 1956 - 1964. lapilli - crystal tuff. 10% broken crystals of fsp <2% blue qz eyes. 5-10% carbonated lapilli in groundmass of chl + microcrystalline qz.													

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

SHEET NO. 13 of 17 HOLE NO. V6 103

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
		Felsic Crystal Tuff continued. 1976.3 1973.5 lt grey med grey bed? of crystal tuff - homogeneous 20% rounded 1-2mm blue quartz eyes in matrix of ser? + microcrystalline qz ; bedding contacts are very sharp + compositionally distinct 1973.5 - 1992 5-10% blue quartz eyes in strongly chl matrix - v. fgr + weakly Schistose. no evidence of mineralization. 1992 to 1997 50% - carbonated lapilli tuff with strongly chloritized matrix 10% fsp + qz crystals. 1997. chloritized crystal tuff. locally lapilli-crystal tuff. 10-15% broken, often zone fsp crystals locally chloritic or Carbonated-felsic lapilli in chloritized or sericitized plus microcrystalline quartz. → moderately to weakly schistose ~75° to C.A. 2037.5 - 2086 FXT appears more quartz rich (siliceous) in composition general increase in microcrystalline quartz in matrix → locally looks cherty → some chloritized + ser'd. lapilli-crystal beds in the sequence 2085.4 2086 shaly-looking with broken fragments containing minor rentals po + py - highly fractured													
2086	2091.4	ANDESITE DYKE. med-dk green in colour Strongly chloritized with patches of epidotization. locally becomes med-grained → fsp epi with hairline fractures infilled by chlorite dyke? material is inhomogeneous with respect to grain-size + degree of chl° + epidot°. minor py cubes													

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

SHEET NO. 14 OF 17 HOLE NO. Y6-103

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
2097.4	2134.4	FELSIC CRYSTAL TUFF fwy colour - siliceous nature. microcrystalline qz & chlorite in matrix. minor sericitization. 10-20% crystals + lapilli. 50:50 plagioclase + blue quartz eyes. minor carbonated lapilli 2097.4 to 2099 1% remobilized py → lapilli-crystal Tuff - disjular nature due to cross-cutting dyke. 2-3% biotite locally matrix becomes lt grey in colour - ~100% silica?													
2134.1	235.1	ANDESITE DYKE chloritized fine-grained													
2135.1	2158.5	FELSIC CRYSTAL TUFF 10-15% crystals of fsp + qz in chl + sericitized matrix fsp are euhedral, zone ~1-2mm locally - 10-15mm lapilli-sized fragments - rhyolitic composition minor variation in type of alteration + % age of crystals & lapilli fsp crystals > blue qz eyes. 2155.5 to - 2158.5 FXT >80% siliceous matrix. with crystals of fsp.														
2158.5	2159.2	CHERTY HORIZON 5-7% finely py + recrystallized py in an aphanitic siliceous host lower contact is strongly chloritized into FXT													
2159.2	21632	FELSIC CRYSTAL TUFF. dark grey-green colour strongly chloritized. 15-20% crystals - mainly plag 3-5mm sub- to rounded minor blue qz eyes. 2162 - 2163.2 1-2% finely disseminated py													

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

SHEET NO. 15 OF 17 HOLE NO. V6-103

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 SHOT
2163.2		MINERALIZED ZONE AT + WITHIN.													
		CHLORITIC AGGLOMERATE AND RELATED LAPILLI-ASH BEDS.													
		2163.2 to 2164.													
		very chunky-looking containing recrystallized but													
		weakly bedded py. minor chloritization.													
		⇔ chert beds at FXT-agglomerate contact.													
		2164 - 2173. well-bedded ash tuffs with minor													
		lapilli tuff beds. bedding is on the mm to several cm-													
		scale.													
		⇔ chloritic + cherty beds are inter bedded.													
		finely disseminated py throughout section is also bedded													
		+ locally recrystallized - though bedding is preserved.													
		→ appears to be some sericitization as well.													
		2169.5 to 2170.													
		well-bedded py bands - recrys ~ 30-35%.													
		2173 to 2175. 20% lapilli to bomb-sized fragments													
		in a chloritized - quartz-rich matrix.													
		2175 - 2181.													
		ser-chl ash tuff beds.													
		2181 - 2189.													
		lapilli fragments (probably up to bomb-size) of rhyolitic													
		material in chloritized matrix interbedded with chloritic ash													
		tuffs - minor recrys bedded py throughout.													
		2189 - 2207.													
		predominantly chloritic ash tuff beds interbedded													
		with 3-5cm wide lapilli tuff beds.													
		<2% biotite porphyroblasts.													
		lapilli are often strongly carbonated.													
		2207 - 2220.7.													
		agglomerate - lapilli tuff - 35-40% rhyolite (aph)													
		fragments in chloritized matrix.													
		→ 2% po (trace py) + qtz stringers parallel to bedding.													
		fragments are flattened + lensoid; unit has													
		a "striped" appearance.													

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SHEET NO. 160F 17 HOLE NO. V6103

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 SHOR
		2207 - 2220.7. agglomerate (continued)													
		general increase in po stringers + py cubes towards													
		rhyolite contact as well as decrease in fragment.													
		→ lapilli-size ~1cm.													
2207.1	2249	RHYOLITE													
		med grey in colour aphanitic to fine-grained.													
		generally massive with 5% qz + sulphide eyes.													
		upper contact is ser + chl - weakly mineralized. - 1-2% po													
		+ py stringer.													
		sulphides are disseminated throughout rhyolite:													
		2229-2231 1-2% po generally remob.													
		1-2% sph - v. fgr + py + cpy with po.													
		po looks it has localized along chl-filled fractures.													
		2231 - 34													
		1-2% po + py + cpy.													
2249	2251	BIOTITIZED MAFIC DYKE.													
		black in colour fine-grained schistose.													
		biotite-rich.													
225?	2260.5	RHYOLITE.													
		dk grey v. fgr massive - moderately chloritized													
		flows or ash flows?													
		minor porphyry throughout. locally biotite.													
		fractures are infilled by chlorite.													
		lower contact shows an increase in chloritization.													
2260.5	2407	FOOTWALL ANDESITE.													
		dk green -													
		upper contact - looks tuffaceous however grades													
		into massive med-grained andesite → schistose													
		chloritized chill.													
		fsp look obt'd.													
		2267 -													
		5-7% white specks 2° albite?													

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SHEET NO. 17 OF 17. HOLE NO. V6103

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	SH
		Footwall Andesite.													
		dark green in colour. strongly chloritized													
		fine-grained locally med-gr													
		up to 5% recrystallized blue qz eyes													
		locally remobilized loy + pyr.													
		andesite is fairly massive + homogeneous.													
		fsp are locally lath-shaped.													
		even-textured. probably intrusive nature.													
		minor epidotization related to carbonate veining.													
		→ secondary albite? + altered primary fsp.													
		locally schistose → strongly chloritized!													
		2402-2407.													
		finer grained schistose 10-15% carbonate veining.													
2407		End of Hole.													

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Lemoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
100	-59.5	-51.5
200	-55.5	-47
300	-52	-44
400	-50.5	-42
500	—	319.5/-42
600	-45.5	-37

LEVEL	Bail Minier 671
LOCATION	322362 CL 5
SECTION	60+00E, 21+40S
LATITUDE	
DEPARTURE	-60
~~ELEVATION~~	Chibougamau D. Drilling Ltd
BEARING	Az: 319°
LENGTH	607'
CORE SIZE	BQ
FINISHED	Fév. 82
HOLE No.	V6-108
SHEET No.	1
LOGGED BY	MARIE
PURPOSE	Expl.
TOT. RECOVERY	

DESCRIPTION — Tropari/500' A.z: 319.5° (corrected)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W x A		RECOVERY RUN	RECOVERY SHO[…]
0	32'	overburden													
32'	42'	andesitic ash tuff fine grained, homogeneous evidence of banding near de north contact (45° to C.A.), in variation of granulometry													
42'	277.2'	Felsic crystal tuff in general, 30% of phenocrysts of feldspaths plagioclases, mainly .5cm often saussuritized or partly altered in epidote, 5 to 10% of blue quartz, sub-rounded matrix fine grained, with varying amount of chlorite and sericite evidence of banding, particullary with the variation of composition													
		172.8 to 174.5' et 176.5 à 177.5' Breccia with irregular fragments of rhyolitic composition up to 2-3 cm, in a fine chloritic matrix													
		175' to 175.9' White quartz vein, with py at the south contact. contact irregular, ≈ 90° to C.A		3902	175'	175.2'	.2'	0.05	.01	.07	tr				
		mineralization stringer 7mm wide massive po, 5% py cpy trace.		3903	218.6'	218.8'	.2'	0.10	.02	Nil	tr				
		stringers of py 1-2mm 1-2% rock		3904	274'	275'	1	Nil	Nil	Nil	0.04				
277.2'		andesitic tuff green color, fine to medium grained evidence of banding in variations rapid of granulometry													
		277.2 to 280' both contacts marked by fine-grained tuff and bedding, with quartz vein 3cm, at 280' contact 60° to C.A. 280' to 286' from 284' to 286', " " 286' to 289' medium grained, north contact marked by epidotization with qtz vein 4cm 289' 295.5 border fine grained 4" at south and 7' at north, medium grained tuff. 293' to 293.5' quartz vein with chlorite at 295.5' contact 64° to C.A.													

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_____ PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL	ELEVATION	HOLE No. V6-108
LOCATION	BEARING	SHEET No. 2
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. W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHO
295.5	355'	andesitic lava or tuff. homogeneous sequences, fine Grained, Green color, epidotization espcially at the contacts, no evidence of bending or fragments 295.5' to 308.5' 308.5' to 355' possibly separate sequences from 349.7' to 355' become finer Grained at 355' contact 65° to C.A. 325.4' to 326.6' Quart vein with chlorite													
355'	363.8'	Felsic cristal tuff. idem													
363.8'	464'	Andesitic lava or dyke Green-Grey color, fine Grained mainly feldspathic plagioclases visible, less than 1mm, 30-35% of the rock silicification zone with quartz vein disseminated py in cube, less than 1% at 363.8' fine Grained border of 2cm thick. contact 62° to C.A. schistozity with ellongated feldspaths at 387', 58° to C.A. with quartz vein not exceeding 1cm wide, with a shallow of epidotization 403' to 453' medium to coarse Grained feldspaths up to 3 mm 410' to 411.2' white quartz vein irregular contact, sub parallelle to schistozity 421' to 448' fracture multi-directionnelle with hematite, chlorite associated rusty color, only placace 453' to 464' medium to fine Grained, gradual change to very fine Grained near the contact, at 464', 55° to C.A. Quartz vein : mean : the contact, 3.5cm wide with pyrite associated 5 to 7%		3905	362.7	362.9	.2'	Nil	Nil	Nil	tr				
464'	474'	Felsic cristal tuff (idem) with few stringers of py-po, mainly po, less than 1% of rock at 474' contact 60° to C.A.													

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_____ PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL	ELEVATION	HOLE No. V6-108
LOCATION	BEARING	SHEET No. 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 o/oz CUM. W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SH
474'	511'	Rhy-dacitique (chlorite) lapilli tuff with frequent variations of granulometry and proportion of the fragments of feldspaths. at 474', fine grained border, chloritic with blue quartz eyes 1-2mm, 5% from 474' to 481.5' alternating facies in horizons of 1 to 3 feet thick, with fine grained and coarse grained facies. presence of magnetite, especially in the coarser grained horizons, 2-5% fine grained 474' to 475.1', py in cube 3%, 5% stringers of py		3906											
		coarse " 475.5' to 476.2', " " "		3907											
		from 481.5' to 507.3 coarse grained horizon with fragments of feldspaths plagioclases up to 2-3cm, also phenocrystal of feldspaths present. blue quartz less abondant than in the cristal felsic tuff, not exceding 1-2mm presence of siliceous fragments rhyolitic 2-3cm chloritic matrix in variable amount, well banded oriented mineralization disseminated py ≤ 1% white rhyolitic horizon, 30% po, stringers py		3908	503	503.5	.5'	0.05	N.A	.08	tr				
		with 5% biotite contact 15% po, 3% py, cpy trace		3909	507	507.3	.3'	0.05	.01	.03	0.05				
		507.3 to 511' fine to medium grained 5% of blue quartz 1-2mm, stringers of po & py, py disseminated 5% po, 5% py		3910	508	511.1	3	tr	.01	tr	tr				
		511' to 512.8' fine grained ash tuff, andesitic composition well fractured filled with qtz-felds-calcite (2° to CA)													
		512.8 to 519' fine grained rhyolitic tuff, moderate 5-7% Grey color, evidence of gradual bedding mineralization, near contact 7% po, 7% py, mainly stringers with qtz ass		3911	512.8	513.4	.6'	tr	tr	tr	.06				
		3% po, 2% py		3912	513.4	515		tr	.01	tr	tr				
		near contact 7% po, 5% py		3913	517.2	519.1		0.05	tr	.03	tr				
		519' to 530.8' id 511' to 512.8' variation in granulometry with bedding mineralization white rhyolitic horizon, stringers py 7%		3914	524	524.3		tr	tr	tr	tr				

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PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL	ELEVATION	HOLE No. V6-108
LOCATION	BEARING	SHEET No. 4
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	RECOVER RUN	RECOVER SHO
530.8	539.5	Rhyodacitic tuff or flow fine to medium Grained, Grey-Green color matrix more chloritic in composition near 530.8 (contact 56° to C.A.) silicification zone from 534.5' to 539.5' mineralization associated with biotite 5% po, 3% py 539.5 to 539.9 white quartz vein with chlorite		3915	536'	537.5		tr	n.a	tr	tr			
539.5	547.4	idem silicification zone 544.5 to 547.4'												
547.4	556.8	andesitic tuff fine Grained, visible bedding 547.9 à 548.2 silicification zone												
556.8	581.5	Rhyo-dacitic tuff or flow fine to medium Grained, matrix is chloritic in composition, with amphibole needles the varying amount of quartz, up to 60% visible may indicate that is an altered rhyolite become coarse Grained to the north and the texture shows some brecciation magnetite is present 2-5% mineralization py disseminated in cube. 5-7% 3% py, 2% po 7% po, 3% py		3916 3917 3918	568.8 573.5 579.5	572 575.5 581.5		tr tr tr	tr tr tr	.04 .04 .04	tr tr tr			
581.5	602'	Chloritic Lapilli tuff. → contact 60° to C.A. black siliceous fragments near 581.5' to 585.5', may represent 40% of the rock, 2mm à 10 mm proportion is slow down to the bottom of the hole. fine Grained and more chloritic in composition à schistosity 62° to C.A.		3919	590	590.2		tr	tr	.03	tr			
	602.	END OF HOLE												

O MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

LINE _____ PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED
0	-	-75
100	-77	-72
200	-75½	-71.5
300	-72.5	-67
400	-68	-62
500	-60	-52
600	-58.5	-50
700	-56	-48
800	[illegible]	-46
900	-55	-47
1000	-50	-42

~~LEVEL~~ Bail mines 671	~~ELEVATION~~ Chibougamau Diamond Drilling Ltd
LOCATION 32362 Cl 5	BEARING Az: 319°
SECTION 60+00E, 24+19S	LENGTH 1047'
LATITUDE	CORE SIZE BQ.
DEPARTURE -75°	FINISHED FEV 82
	TOT. RECOVERY

HOLE No. VB-109A
SHEET No. 1
LOGGED BY M. Dubois
PURPOSE EXPL.

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% W X A	ASSAYS AU CUM. W X A	RECOVERY RUN	RECOVERY SHO
		TRAPARY 800' Az: 323° (corrected)												
0	30'	overburden												
30'	30.5'	Felsic cristal tuff rhyo-dacitic composition, Grey color sericitic matrix phenocristals of feldspaths plagioclases, 5cm mainly, 45% of rock porphyroblasts of blue quartz, up to 1cm, 10-15% of the rock mineralization small stringers 7% po, 5% py		3920	30'	30.5'	.5'	tr	tr	tr	tr			
30.5'	144'	Gilman andesite Green color, fine grained. with amygdules of calcite elongated, concentration near the rims of the pillows evidence of pillowed structures, with epidotization in the rims, dimension 1-2 feet diameter 54.8' to 55.3' quartz-epidote vein, disseminated py less than 2% 59.8' to 60.0' " , fragments of py 2.5cm could be top flow breccia @ at 58' 30° to core axis. mineralization 142.8' to 144', 15% py, 3% po. near contact, associated qtz vein with brecciation		3921 3922 3923										
144'		Felsic cristal tuff rhyo-dacitic in composition, variable idem 30' to 30.5' mineralization 144'-145.4', 5% py, 5% po.		3924										
		145.4-145.7' 15% py, 5% po. massive py 1cm		3925										
		145.7-147.6' 7% py, 4% po		3926										
		147.6-149.5 2% py, 3% po schistose with qtz vein		3927				tr	tr	tr	tr			
		149.5-150.6' 7% py, 10% po		3928				0.05	.01	.05	0.05			
		151.0-151.8 3% py, 7% po		3929				tr	Nil	.04	0.03			
		151.8-155.4 3% py-po		3930				tr	Nil	tr	0.03			
		155.4-156 5% py, 3% po		3931				tr	Nil	.05	0.04			
		156.2-157.2 1% py, 7% po		3932				tr	Nil	.03	tr			

O MINES (QUEBEC) LIMITED
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PROPERTY

DIP TEST			LEVEL	ELEVATION	HOLE No. V6-109 A
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	BEARING	SHEET No. 2
			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 90 CU W X A	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHO
		170.8' – 171.2' 1-2% py, 3% po		3933				tr	Nil	tr	tr				
		171.2' – 171.4' massive py, 1 to 2 cm thick.		3934				0.05	Nil	.04	0.09				
		171.4' – 182' 3% py, 1% po		3935				tr	Nil	.03	0.04				
		massive py and po, 1 cm thick													
		182' – 190' py-po 2%													
		from 190', the matrix become more chloritic, in proportion and the Granulometry become coarser.													
		at 200', schistozity 40° to C.A.													
		300', " 41° to C.A.													
340'	351.5'	andesitic tuff or Flow,													
		Green color, very fine Grained near both contact, fine to medium													
		Grained in the center, Gradual change													
		at 340', contact 36° to C.A.													
351.5'	393.3	Felsic cristal tuff (idem)													
393.3		Andesitic Flow (or dyke?)													
		at 393.3 irregular contact with quartz vein 3-4cm													
		fine Grained border.													
		become Gradually medium Grained with feldspaths visibles in small													
		thin lattes (intrusive texture?) (<1mm), then pass to a coarse Grained													
		rock with amphiboles or chlorite porphyric, in general .5cm													
		those two distinct facies could change abruptly in alternance,													
		suggesting possibly succession of Flow, with interbedded fine													
		Grained rock that could be andesitic tuff –													
		presence very locally of small concentration of blue quartz porphyry (1-2mm)													
		and variable amount altered phenocristals of feldspaths (light green color)													
		419' to 421' while quartz vein with calcite and chlorite		3936	419	420.8		tr	NIL	Tr	tr				
		remobilized mineralization at the border 421' with cpy		3937	420.8	421'	contact	0.45	tr.	.06	tr				
		429.4' to 429.8' idem		3938	429.4	429.8		0.10	tr	.10	tr				
		431 to 432 few veins		3939	431	432		tr	tr	tr	tr				
		435.5 to 435.9 Qtz veins 2.5cm and 1cm wide		3940	435.5	435.9		0.05		0.05	tr				

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 3 HOLE NO. V6 - 109 A

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		RECOVERY RUN	SHOR
		from 432' after a quartz vein, it is believed that a new massive flow of andesite is beginning with change in granulometry 432' to 447.5 coarse grained, with porphyric amphiboles, decreasing in dimension to the north. 447.5 to 451' Gradual change to a finer grained andesite from 451' small qtz vein (3cm) (interbedded Gillman?) maybe a contact between flows fine grained andesite with amydalar texture filled with calcite from 451' to 454' become massive to the north. at 457' to 457.3' end of the flow believed to be a thin andesitic ash tuff finer grained than the andesite flow at 457.3', contact 47° to C.A.													
457.3	472.2	Felsic cristal tuff. idem at 464.3 to 464.5 interbedded fine grained rhy-dacitic tuff with blue quartz 5%													
472.2	480.9	Andesitic ash tuff fine to medium grained evidence of bedding with variations in granulometry at 472.2 contact 45° to C.A.													
480.9		Felsic cristal tuff. idem from 481' to 484' rhyolitic composition 492' to 495.5' presence of deformed fragments of andesitic fine grained (tuff?) probably non consolidated during the deposition slope breccia? 521.5 to 523.5 interdigitation in the felsic cristal tuff of different composition in matrix chloritic and rhyodacitic conformities fragments like agglomerates (3-4cm) especially when the matrix is chlorite — idem 537' to 542' 567.3' to 567.8' 595 to 604' frag up to 1' 645.5 to 648' rhyolitic white, very silicious fragments partly non consolidated													

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 4 HOLE NO. V6-109A

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	% Zn	AU CUM. W x A		RECOVERY RUN	SHO
		composition vary often within 1 to 3 feets - rhyolitic horizon, mainly 1' to 12' thick, are frequent, with disseminated py-po less than 1%.													
		526.5 to 527' fine Grained andesitic ash tuff.													
		717' to 717.3' " contact 58° to C.A. → 70% of the rock													
		mineralization: Fragments of rhyolite (.5 to 2cm) in a chloritic matrix		3941	722	722.5		tr	tr	tr	0.10				
		stringers of py 7%, and po 5% associated with chlorite													
724.5		andesitic flow or dyke at 724.5, contact 53° to C.A. marked by a qtz-calcite vein of 1cm wide. fine Grained border Green-Grey color from 727', blue Quartz visible, dimension increase to the north, passing from less than 1mm to 3mm proportion is variable, ranging mainly around 2-5%. quartz-calcite vein, mainly less than 1cm wide, with a shallow of epidotisation, occasionnaly some py associated. 735.7 to 736.5 fine Grained andesitic tuff. border at the south is marked by several quartz vein with epidote about 0.6'. north contact is sharp, without any alteration or fracturation It is note that no change is observed in the andesite. from 737' to 751' andesite is more coarser Grained with a Gradual change light Green altered feldspaths are visible (epidotization) ranging between 2mm and 8mm. 751' to andesite at 751', sharp contact with fine Grained border increasing Gradually to the north. Granulometry increase in general to the north, but still variable.													

TINO MINES (QUEBEC) LIMITED
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SHEET NO. 5 HOLE NO. V6-109A

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 W X A (0.20)	ASSAYS AU CUM. W X A		RECOVER RUN	RECOVER SHO
		At 768', contact 52° to C.A., probably between two flows of andesite at the south, the border is fines grained with phéno- cristals of feldspaths, ranging in 1-2mm, representing 15-20% of the rock at the north, the border is a fine grained andesite with feldspaths visibles, but less than 1mm could represent 40-50% of the rock become rapidly (within 2'), coarse grained													
		from 775' to 777' white Qtz vein with chlorite, irregular contacts trace of hematite.													
		805.3' to 805.8' white Qtz vein with epidote-chlorite-calcite													
		809.4' to 810' "													
		from 777' to 821.7' massive andesite, homogeneous, fine to medium grained.													
		821.7' to 827' andesitic tuff evidence of banding between 821.7' to 823' presence of felsic fragments, up to .5cm from 824' to 827', fine grained, without any evidence of a tuff, but change is gradual and become very fine grained at the north contact													
827	828.5	Rhyolitic tuff (2mm to 15mm) abondance of phenocristals of feldspaths all altered in epidote with a shallow of hematization around the cristals forms. the matrix is cherty in texture, very siliceous in composition presence of an interbedded andesitic ash tuff of 1cm max thick.													
828.5		Andesitic flow, composition is the same as the precedent flows Gradual change from the south to the north, from fine grained to medium grained. mineralization patch of py, with trace of cpy		3942	829	829.2		0.10	.02	.10	tr				
		838.7' to 841' white quartz vein, with chlorite-calcite and hematite in the north section contact 34° to C.A. → not concording with lithology. on both side no evidence of interflow													

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.NES PATINO (QUEBEC) LIMITEE

SHEET NO. 6 HOLE NO. V6-109A

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
		843' to 844.2' basic dyke, all chloritized subparallelle to the C.A., irregular contacts. minor hematite.							*						
		849.4 to 849.7 idem, contacts 20° to C.A., 1-2cm thick.													
		858' to 858.5' epidotized zone sharp contact to the north, 46° to C.A may represent a top flow alteration zone.													
		829' to 864' coarse Grained 864' to 882.5 medium Grained. 882.5 to 901.5 coarse Grained. 901.5 to 909' medium to coarse Grained, a lot of quartz-calcite veins ranging between 2mm to 3cm part of that section, could be andesitic tuff without an evidence													
→ 909'	921'	Andesitic ash tuff or flow fine Grained. feldspaths visibles less then 2mm, in a chloritic matrix 3' from the north contact, bedding is discernable with variations in the proportion of feldspaths fragments													
⇒ 921'	934.4	Felsic crustal tuff at 921' contact 62° to C.A. rhyo-dacitic composition phenocrystals of feldspaths are less abondant than the matrix. chloritic facies - the matrix, Grey-Green, is more abondant with a Good proportion of sericite in it													
934.4	942.4	Andesitic ash tuff à 934.4 contact 56° to C.A. fine Grained, Green color presence of many filled fractures or thin interbedded of fine Grained felsic material. 1-2mm thick													

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

SHEET NO. 7 HOLE NO. V6-109A

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS 1/2m CU CUM. W X A	ASSAYS AU CUM. W X A	RECOVER RUN
942.4	985.6	Andesitic Lapilli Tuff.											
		942.4 - 965											
		Dark green chloritic fine to fine medium grain clongated fragments 2-4mm feldspar, CO_2,											
		Bedding 70° To C.A.											
		Contact at 942.4 70± To C.A.											
		few blu QTz 2-3mm.											
		965 - 985.6											
		fragments Size growing up To 8-10 mm Subround and elongated. Rhyolitic fragments.											
		966-967 QTz veins 70-75° To C.A with minor Py-Po at contact.											
		from 967.8 Size of fragment decreasing gradually To 3-4 mm.											
		Presence of py and po along fragments locally.											
				6325	961	963	2	tr	tr	tr	0.05		
985.6	987.3	Rhyo Dac. Ash tuff.		26		965	2	tr	tr	tr	0.04		
		grey To dark grey fine grain <2mm.		27		966	1	tr	.01	.01	0.05		
		occasional Rhyolitic fragments 2-4mm (less 10%)		28		966.8	.8	tr	tr	.03	Tr		
		Contact at 985.6 -0 70° To C.A.		29		968.2	1.4	tr	Nil	.03	0.04		
		Tr Py along bedding		30		969	.8	tr	Nil	.04	tr		
				31		971	2	tr	Nil	.04	0.03		
				32		976	5	tr	Nil	.04	0.30		
987.3	988.4	Rhyolite - Mineralized Horizon.		33		981	5	tr	Nil	.03	0.05		
				34		985.7	4.7	tr	Nil	tr	0.05		
		Band of Massive white Rhyolite and Rhyo D. Ash tuff (1.5" mm)		35		987.3	1.6	tr	tr	.04	0.04		
		Sph po py trace Associated with Ash tuff		36	987.3	988.5	1.2	0.10	tr	.20	1.70		
		1-8% Sulphide partially magnetic (Low) po.		37		988.7	.2	0.05	tr	.05	0.62		
		Partly Chloritized at the base		38		988.8	.1	0.10	tr	.01	0.28		
				39		991.2	2.4	tr	Nil	.03	0.11		
				40		991.5	.3	tr	Nil	.03	0.70		
				41		992	.5	tr	Nil	tr	0.04		
				42		992.5	.5	tr	tr	tr	0.10		

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

SHEET NO. 8 **HOLE NO.** V6- 109A

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn W × A	AU CUM. W × A		RECOVERY RUN	SHO
988.4	1021.1	Dacitic Ash tuff or flow.		6343		993.5	1	tr	tr	tr	0.10				
		Dark grey to green, material less than 2mm													
		fine grain, 990 - 30° To C.A. open fracture, crush, with chlorite, CO_3 SiO_2.		6344	1010	1011.2	1.2	tr	Nil	.03	Tr				
		988.4 Contact at 65° To C.A.		45		1011.8	.6	tr	Nil	tr	0.03				
		2% 1mm chlorite (amygdule)		46		1012	.2	tr	Nil	tr	tr				
		1003.4 - 1009.4 [illegible] fragments (5%) <4mm		47		1014.1	2.1	tr	Nil	.04	tr				
		2% blue Qtz eyes, up to 5mm sub round		48		1014.4	.3	0.05	Nil	.08	tr				
		1010.3 - 1010.6 fine po, Slightly magnetic. [illegible]		49		1015.4	1	tr	Nil	tr	tr				
		1011.2 - 1011.9 Qtz vein with massive chlorite at both contact 60° To C.A.													
		Tr of py with contact.													
		1014.3 - 1014.5 Tr of po													
		1019.4 - 1021.1 granoblastic slightly growing 2mm.													
1021.1	1047	Andesitic flow.													
		Dark green, fine grain < 1mm													
		1021.1 no sharp contact gradual change along few inches.													
		1028 Qtz vein 90° To C.A.													
		1039.4 - 1040.6 }													
		1042.0 - 1042.1 } Zone of Silicification. (Rhyolite)													
		1044 - 1047.7 } Light grey and white, [illegible]													
		Sharp contact 65° To C.A.													
		(interdigitation?)													
	1047	End of hole.													

) MINES (QUEBEC) LIMITED PATINO (QUEBEC) LIMITEE	DIP TEST			LEVEL Bail Minière 671	~~ELEVATION~~ Chibougamau D. Drilling Ltd.	HOLE No. VG-104
	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION 322360 CC-2	BEARING Az: 339°	SHEET No. 1 of
	0'		-45	SECTION L.64W, 9+50S	LENGTH 635'	LOGGED BY P. BORN
LEMOINE PROPERTY	300'		-36°	LATITUDE	CORE SIZE BQ.	PURPOSE EXPLORATION
	600'	358/-24	338°/-24	DEPARTURE -45°	FINISHED MAI 81 Juin 81	TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	32	OVERBURDEN
32	313.0	GILMAN ANDESITE
		(32-88) interflow tuff lt green colour f.g-m.g.
		Mainly interflow tuff material with lapilli tuffs 38'-43' with qtz-carbonate fragments. Generally weakly chloritized and carbonated in this section. Shows a schistosity/weak bedding with some lith variations (80° to CA) Compositional andesite tuffs
		-43-88' predominantly more fine-grained ash material could be a pyroclastic flow with the rather homogeneous nature with occasional 3-4" sections of lapilli tuffs. Alteration chloritized and weakly clt. (60° to CA) over entire section, ~3% qtz-carb veining
		(88-165) pillowed andesite
		Mainly pillowed andesites with some very good rinds and often typical somewhat brecciated and epidotized contact zones. Generally weakly clt + chl. - slightly schistose in nature. Pillows vary from 6" in thickness to 1 ft approx. Brecciated and epd + ser. flow breccia contacts approx. spaced 1-2 ft apart.
		-128-158 pillowed andesite section well developed rinds with some weak clt and chloritized interflow material minor schistosity well (60° to CA). Qtz-carb veining .5-2 cm wide 1% or less. No mineralization. Some grain-size variation with chilled edges of pillows + coarser centres. Contact - flow breccia zones 3-5' less common w. ser + epd. fragments etc.
		-158-165 - f.g. chloritized section with about 5% clt veinlets 2-1 cm wide (70° to CA)

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN	SHO
	6251	250.8	251.3	0.5	0.10	.01	.04	tr		clt vein 2% po, 2% py		
	6256	267.6	267.8	0.2	tr	.01	.10	tr		clt vein + 10% py		
	6252	270.0	271.0	1.0	tr	tr	.04	tr		clt vein + 6% py		
	6253	271.7	273.0	1.3	0.05	.01	.06	tr		clt vein + 8% py		
	6254	273.3	273.8	0.5	0.20	.02	.12	tr		clt vein + 15% py, 1% cp		
	6255	278.6	278.8	0.2	.20	.02	.11	tr		clt vein + 15% py		
	6257	282.6	283.0	0.4	tr	tr	.03	tr		clt vein		
	6258	283.8	284.0	0.2	0.10	tr	.05	0.03		clt vein + 9% po, 1% py		
	6259	322.2	322.6	0.4	tr	tr	tr	tr		qtz-carb vein		
	6260	344.8	345.3	0.5	tr	tr	tr	tr		qtz-carb vein		
	6261	383.0	386.5	3.5	tr	tr	tr	tr		1-2% py, tr po		
	6262	404.5	406.7	2.2	tr	tr	tr	tr		1-2% py, 1-2% po		
	6263	458.6	459.4	0.8	tr	NIL	tr	tr		q-c. vein		
	6264	534.5	535.5		tr	NIL	tr	tr				
	6265		536.7		tr	tr	.04	0.22		2% po <1% py		
	6266		537.0		0.10	.01	.06	0.31		2% po		
	6267		537.3		0.05	.01	.04	0.26		2-1% po		
	6268		537.5		0.05	.01	.05	0.08		3% po, <1% cpy		
	6269		538.9		tr	NIL	.03	0.31		2-3% po tr p.		

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

SHEET NO. 2 **HOLE NO.** V6-104

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE
		GILMAN ANDESITE (cont'd)	
		(165-229) massive andesite flows	
		lt green-grey colour generally f.g.-m.g. weakly schistose alt. weakly clt + chl section predominately flows-and. with chr. flow tops - with some amygdules and ser + epid. 3" to 1' thick and chilled contacts in a few places. flows are 2-10' thick with variable amygdule 2%-5% locally to none - no mineralization - (68° to CA)	
		(229-265) pillowed flow - and.	
		lt grey-green colour, fine grained aphanitic sequence of pillows with amygdaloidal centres and tops. Pillows vary from 2-3" thick to 10" thick ? often interpillow hyaloclastite material which is quite epidotized 3-4" thick and then next pillow. Alt - some sericitized and + variable epidote with interflow hyaloclastite but gen. weakly chl + clt	
		Mineralized section 250.8 - 251.3 - 2-3% py - 2% po. in qtz + carb vein @ 80° to CA - sampled - analyzed	
		(265-275)	
		lt green-grey colour - more massive section - no definite pillows + andesite. comp. m.g. spotted - could be feldspar - in part vesicular w calcite infillings this section contains some mineralization in carb. veins - 15% py + 1% cpy at 273.3 - 273.8, several other sections with 15% py over 1-2" in carb vein	
		(275-276.6) lt green pillowed andesite - 70° to CA very little clt - f.g. etc. sharp contact with lower unit probably flow contact	
		(276.6-307)	
		dk green colour f.g.-m.g. weak schistosity, chloritized flows rather homogeneous prob. a thick flow	
		clt porphyroblasts particularly common from 276.6-293.0 and w 2-% chl veining 68° to CA	
		common [illegible] po py [illegible] at 282.6-83 and 283.8-84.0	

SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	oz/ton	AU CUM. W x A		RECOVE... RUN	SH...
6270	538.9	540.0	1.1	tr	Nil	tr	0.05		2% po		
6271		542.4	.4	tr	Nil	tr	0.03		2% po		
6272	606.0	607.0	1.0						2% po, 2% py		
6273	610.0	610.6	.6						2% po, 2% py		

ATINO MINES (QUEBEC) LIMITED
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SHEET NO. 3 HOLE NO. V6-104

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		RECOVE RUN	SH
		GILMAN ANDESITE (Cont'd) (307 - 313) dk green colour, chloritized, weakly schistose with well developed sericitized + epid. flow tops which are amygdaloidal; very little clt. carb. veinlets - 2% @ 45° to CA.													
313	338.5	ANDESITE DYKE med green colour, massive homogeneous f.g. - m.g in nature, with characteristic whitish spots - porphyroblasts - could be albite. Alt. - no clt + some chl alteration contains qtz vein with black chlorite 222.2 - 222.6 both contacts of dyke fairly sharp particularly bottom - intrusive, top is less sharp but adjacent to epidotized flow section													
338.5	396.0	GILMAN ANDESITE (338.5 - 344.0) sericitized flows flow f.g. and very altered extremely sericitized section with abundant amygdules and minor chlorite veinlets - veined - aphanitic. Probably flow top section lower contact gradual over 6" where it becomes more chlorite lt green - creamy colour (344.0 - 366.0) med. green colour, m.g - f.g (altd) andesite flows alteration predominantly chlorite - 15% and 10% clt porphyroblasts very distinctive, fairly even grained and massive → weakly schistose about 60° to CA this section probably represents thick flows no mineralization 2% clt veining @ 344.8 - 345.3 (366 - 396) f.g → m.g veined series of flows with 1-5' thickness and sericitized flow tops and some chill margins first chloritized w. 2% pyrite mineralization common minor Po @ 383 - 386.5 veined pyrite cubes 2% 404.5 - 406.7 - 1-2% po, 1-2% py - remobilized													

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

SHEET NO. 4 HOLE NO. VG 104

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		RECOVERY RUN	SH
396.0	535.5	ANDESITE DYKE (SILL) m.y - f.g massive dk green - black colour - chloritized (mod) 30-20% with small chl remnants 5% throughout 5% chl in matrix contact - upper - intrusive with a fine grained 1-2' chill section characteristic white spotty - veined albite + chl prophyroblasts minor pyrite cubes 1% locally + Po - 404.5 - 406.7 1-2% cpy po 1-2% Very homogeneous throughout - to homogeneous for flows several chl veins 2-3" w. throughout often w chlorite and epidote in some.													
535.5	538.0	MINERALIZED ZONE GILMAN - WACONICHI contact (535.5 - 538.0) Cherty material Cherty layers - moderate bedding - aphanitic material lt - med grey colour with 5% biotite present. Mineralization bedded sulphide Po mainly + minor Py from 535.5 - 537.2. At 537.2 - 537.4 Po + qtz + chl veining 5-6% Po, 1% cpy													
538.0	599.3	FELSIC CRYSTAL TUFF 538 to 557. felsic crystal tuff in med to lt grey colour. 20-30% crystals with 15-20% blue qtz eyes 10% fld xtls moderately schistose. Alteration predominantly sericitized not too chl. Several layers lapilli 547-548 otherwise f.g. no mineralization 557 to 582 Chloritized FXT with mod schistosity and 5-10% chl eyes also 5-10% blue qtz eyes. Remnant flds 5-10% broken crystals sch 55° to CA with 5%-10% biotite less common minor lapilli in some sections generally f.g. tuffaceous matrix 582 - 588 core missing 588 - 588.5 FXT chloritized + lapilli size fragments in matrix mod schistose 5% qtz eyes													

.TINO MINES (QUEBEC) LIMITED
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SHEET NO. 5 HOLE NO. V6 104

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 SH
		588.5 - 596.5 EXT generally f.g with 5-10% biotite weakly schistose to moderate - not as coarse crystals in this section = 2 mm size 5% qty eyes and 5% feldspars Lt grey colour and rather homogeneous - probably fine ash layer upper + lower contacts fairly sharp ab = 60° to CA alteration weak to mod. sericitization - little or no clt no mineralization													
		596.5 - 599.3 EXT with 10-15% lapilli fragments .5-1cm flattened + 5-10% blue qty eyes & 5% feldspars Matrix f.g and chloritized - 30% / moderately schistose													
599.3	601.1	BIOTITIZED MAFIC DYKE dark mafic comp. w. 20-30% biotite present - schistose - moderate + moderately clt - 68° to CA contacts fairly sharp - post intrusive													
601.1	607.5	EXT mainly chloritized EXT f.g. w. 5-10% qty eyes (rel lt) + 60% feldspars with minor sections up 2% lapilli .5-1cm size mod. schistose mineralization 606-607 - 2% po, 2% py													
607.5	610.0	BIOTITIZED MAFIC DYKE schist - mafic - 30% biotite + v. clt. dyke good sharp contacts intrusive generally f.g - to m.g													
610.0	634.4	EXT mainly a lapilli tuff rich section with several 1' sections with only 1-5% fragments but generally 30-40% lapilli .5-1cm - one clt'd lapilli and with scattered mineralization 5-6% qty eyes, 70% feldspars schistose + 5% biotite / weak clt													

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

SHEET NO. 6 of

HOLE NO. V6 104

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 SH
		FXT (cont'd)													
		mineralization.													
		- 610 - 610.6 - 2% po, 2% cpy ;													

O MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

Lemoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
0'	—	-65°
100		-64°
200		-62°
300		-55°
400		-54°
500		-48°
600		-47
700		-47
800		-44°
900		-43.6
1000		-43

LEVEL Bail mining 671
LOCATION 322362 Cl 5
SECTION 63+00E, 25+00S
LATITUDE
DEPARTURE -65°

~~ELEVATION~~ Chibougamau Diamond Drilling Ltd
BEARING Az: 319°
LENGTH 1047'
CORE SIZE BQ
FINISHED MARS 82

HOLE No. V6-110
SHEET No. 1
LOGGED BY Alain Blai[...]
PURPOSE EXPL
TOT. RECOVERY

Tropary à 1000' Az: 315.5° (corrected)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FROM	TO	LENGTH	% CU	OZ AU	OZ AG	% Zn?	AU CUM. W x A		RECOVERY RUN	SHO[...]
		0-22 overburden													
22	56.5	Andesitic Ash Tuff													
		22-56.5 Dark green very fine grain < .5mm occasional fragment Sub round up to 5mm Mostly between 31.5 and 35.4. Tr. py-Po													
		38-38.7 QTZ vein 50° To C.A. Epidote and chlorite inclusions													
56.5	201.6	Andesitic Lava or tuff.													
		Dark green homogeneous sequences. chloritized and Epidotized. No evidence of banding or fragments.													
		92' 2" QTZ Vein 75 To C.A.													
		100-108 QTZ vein and QTZ injection		3867	171	172	1	0.10	.01	.04	0.03				
		103.6-106.2 ⇒ massive white QTZ		68		172.3	.3	0.05	.01	tr	tr				
		≈ 40° To C.A. irregular contact.		69		173.2	.9	0.05	tr	.03	0.06				
				70		173.5	.3	tr	tr	.05	0.03				
		170.6-172 5% Sub rnd To rnd fragments 3-6mm		71		174.5	1	0.05	.02	.03	tr				
		172-173.4 DAcitic unit with possible Rhyodacitic banding 45° To C.A. fine bands of po Tr py.													
		173.4-176.8 idem 170.6-172 contact at 45° To C.A.													
201.6	201.9	MASSIVE Sulphide.													
		Massive Po with minor Py. Contacts at 45° To C.A.		3982	200.6	201.6	1	tr	tr	tr	0.05				
				83		201.9	.3	tr	tr	tr	0.52				
				84		203.7	1.8	tr	NiL	tr	0.05				
				85		204.7	1	tr	NiL	tr	Tr				

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

SHEET NO. 2 HOLE NO. V6-110

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 SH
201.9	250.5	F.X.T.													
		201.9 - 203.7 Minor Po Mineralisation of fine bands. 45° T. C.A.													
		Rhyolitic - Rhyodacitic composition Matrix composition Heavy sericite minor chlorite.													
		Phenocrt of plagioclase 2-5 mm 25-30%													
		Paphyroblast of blue Qtz 3-4 mm 15-20%.													
		Tr Po, Py fine Stringers.													
250.5	255.6	Dyke (or Andesitic Flow?)													
		green very fine grain homogenous Texture, chloritic, Contact 60° To C.A, very sharp.													
255.6	323.9	F.X.T.													
		idem 201.9 - 250.5 Except matrix composition more Dacitic.													
323.9	325.8	Bend of F.X.T Rhyolitic To Rhyod. 60° To C.A.													
		Phenocrt of plagioclase 2-4 mm 15%.													
		Paphyroblast of blue Qtz 1-3 mm 20%. Tr of Po.													
325.8	326.7	Andesitic LAVA or Dyke													
		Dark green, fine grain 4.5 mm Homogenous Texture no evidence of fragments Contact 55° To C.A.													
326.7	330.9	F.X.T. Rhyol. comp.													
		idem 255.6 - 323.9. Contact 55° To C.A.													

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

SHEET NO. 3 HOLE NO. V6-110

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	SHO
330.9	359.2	(Andesitic Ash tuff) or Dyke green, very fine grain at the top (< .5mm) graduall-ly increase to ≤1.5mm (near 346') and ~~[illegible]~~ from 346 - 359.2 ≤1mm. Mostly chlorite matrix few fractures with epidote. occasionnal fragments <1/ 365mm. felsic composition few QTZ veins 1-2" ∠60 To C.A.													
359.2	397.7	(Andesitic Lapilli tuff (?)) or Dyke green, fine grain contain 15-20% of Dark green spots. 2-4mm subround shadow contours still visible up To 379 — fragments ? (Basic composition) * Those Darks spots could be Mf Phenoxt (Amphibole) ~~[illegible]~~ contain in a Dyke. from 379 grain size decreasing gradually 396.7 - 397.1 SiO_2, CO_3 vein 70 To C.A. from 397.1 To 397.7 very fine grain <.5mm. up To the contact rusch by SiO_2 and CO_3													
397.7	445.3	F.X.T. RhyoDac. Composition of the matrix grey color, Sericitic Minor chlorite. phenoxT of feldspar <4 mm 30% Porphyroblast of Blue QTz <5mm 10%													
445.3	453.6	Dyke (or And. flow) green color, highly chloritic both contacts sharp 60° To C.A. Very fine grain size at both contact get bigger <1mm as we advance To the center. Tr of Po at north contact.													

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

SHEET NO. 4 **HOLE NO.** VC-110

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		RECOVE… RUN	SH…
453.6	600.4	F.X.T.													
		grey to green matrix, composition Rhyodacit. Occasionally grey inclu more Rhyolitic -													
		Phenoxst of feldspar < 4mm 20% Porphyroblast of Blue QTZ < 3mm 10% 560.4 Tr. of cpy fine Stringer -													
600.4	602.6	DYKE.													
		green chloritic composition very fine grain < .5mm Sharp contact 60° To C.A.													
602.6	644.1	F.X.T.													
		grey to green, idem 453.6 - 600.4													
		north contact: net but irregular.													
644.1	802	DYKE gab. with And. Section													
		green, medium hard, chlorite - Epidote													
		644.1 - 649 Very fine grain gradually increase To < 1mm occasionnal zone of blue QTZ inclusion Sub Rnd < 2mm - occasionnal Andesitic sect very fine grain 60° To C.A. core Angle 70° To C.A.													
		670.4 - 673.4 QTZ vein. 673.4 - 676.2 grain size 2 - 4 mm													

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

SHEET NO. 5 **HOLE NO.** V6-110

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn (AU CUM. W×A)	AU CUM. W×A		RECOVERY RUN	SH
802	802.4	Rhyol. -tuff grey hard 5% fragment. material <2mm. Contact 60° To C.A.													
802.4	808.4	Andesite tuff or ash-flow. green, soft, chloritic, fine grain <1.5mm occasional frag. <2mm. 5% flu Qtz <1mm. north Contact 60 To C.A.													
808.4	818.6	F.X.T. Rhyol. Grey hard Rhyolitic comp. fragmt. Mat. <2mm 30%. flu Qtz <1mm 8%. north contact. 60° To C.A.													
818.6	837	Basic intrus. or Ash flow (Andesite) Darkgreen medium soft, grain size <1mm mostly chloritic Homogen. occasional blue Qtz <1mm 1-2%. north Contact. 60° To C.A.													
837	900.6	F.X.T. and Rhyol. grey, Rhyolite composition. hard, phenoxt feldspar 25% <2mm porphyroblast blue Qtz <3mm 10% Tr. of Po, Tr. of Zn and Cu 849.9 - 850.2		3993	849.9	850.2	.3	0.05	.01	.05	0.42	-			
		872 - gradually change to Dacitic Ash tuff. North contact 65° To C.A.													

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

SHEET NO. 6 HOLE NO. V6 - 110

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	FOOTAGE LENGTH	ASSAYS % CU	ASSAYS OZ AU	ASSAYS OZ AG	ASSAYS 10' CU. W X A	ASSAYS AU CUM. W X A		RECOVERY RUN	RECOVERY SHO
900.6	901.4	Rhyolite.													
		To 5 Stringers 10% contain also Tr of Zn, Cu,													
901.4	962.5	LAPilli tuff. Dacitic													
		901.4 - 909 Ash tuff.													
		Dark green fine grain < 1mm. Homogen gradually change To Lapilli tuff.													
		909.													
		Matrix supported < 7mm		3994	958.8	959.8	1	Tr	.01	Tr	0.07				
		± 10-15%		95		960	.2	Tr	.01	.04	0.03				
		Matrix chloritic grain size < 1mm		96		960.5	.5								
		occasional section of Ash tuff. Give Some		97		961.5	1	0.10	.01	.08	0.07				
		bedding to the unit.		98		962.5	1	0.05	Tr	.07	0.65	-			
		Core Angle 65-70° To C.A.		99		963.5	1	Tr	Tr	Tr	0.05				
		Tr py. Cubic form. ± 2 mm.													
		959.8 - 962.5 5% Po Tr Cpy To C.A													
962.5	989.3	Rhyolite.													
		Grey hard grain < 1 mm homogen													
		Occasional Ash tuff													
		occasional fract < 1" of chloritic comp.													
		50° To C.A.													
		North contact 65° To C.A.													
989.3	992.2	Dacitic tuff													
		Grey, medium soft, grain < 1.5 mm													
		50 To C.A.													

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

SHEET NO. 7 HOLE NO. V6 - 110

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
992.2	993.6	Rhyolite.													
		Core 962.5 - 989.3													
993.6	1047	Andesitic ashflow or LAVA.													
		Dark green, fine grain < .5mm homogenous flow lines &													
		999.5 gradually increase To < 1mm.													
		Partly Epidotized.													
		1006.9 - 1009.7 Qtz Vein.													
		occasional blue Qtz < 1mm 2%.													
		Last 15' more Dacitic in Composition													
	1047	end of hole.													

O MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

Limoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED
0'		-70
200'	-74.5°	-68
300'	-72	-66.5
400'	-71	-65
500'		-63
600'		-63
700'		-62
800'		-53
900'		-51

~~LEVEL~~	Bail Mines
LOCATION	322360 Cl 3
SECTION	52+00E, 17+00S
LATITUDE	
DEPARTURE	-70

~~ELEVATION~~	Chibougamau D. Drilling Ltd
BEARING	Az: 319°
LENGTH	937'
CORE SIZE	BQ.
FINISHED	MARS 82

HOLE No.	V6-111
SHEET No.	1
LOGGED BY	A. Blais
PURPOSE	E+PL.
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		RECOVER RUN	RECOVER SHI
		Tropuy 700' Az: 319° (corrected.)													
0	40	Overburdens.													
40	250	Andesite. 40-77.1 Dark green, medium soft, lightly chloritic with Epidotized Lenses <2mm (in material fragm.) 15-20% occasionnal low magnetic zone. 68.6-68.8 QTZ Veins with CO_3 and massive chlorite. 77. dissolution (bearing) by Surface water.													
		77.1-91 grain Size <1mm massive homogene Hard, Composition Fine chloritic to Py cubic forms 2-4mm occasionnal hematisation in fractures.													
		91-117 grain Size <2mm, partly epidotized. medium hard 96-100 QTZ veins 91-112 Broken core Lightly fractured. Core Angle 55° To C.A.													
		117-137 Less chlorit.o, no epidotisation, hard grain Size <2mm													
		137-250 Med hard to soft occasional 1mm Grey QTZ 1-2% chloritic Low Epidotisations gradually increasing to medium- Hematisation along fractures. Homogene texture. 164-165.8 QTZ vein massive white SiO_2 50° To C.A. Occasional Veins of QTZ 1-3" Hb-50° To C.A. 182- blue QTZ decreasing. and disseplar.													

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

SHEET NO. 2 HOLE NO. V6-111

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		RECOVE RUN	
250	319.4	DACitic Ash flow or LAVA. green, medium soft, grain Size <1mm, 20% SiO_2 CO_2 fine veins 45° To C.A. minor Py (Cubic form 2-5mm 10-12% fine <.5mm chloritic (dark green) Spots north Contact 40° To C.A. Occasional Low To medium magnetic Zone.													
319.4	353.1	Rhyolite. Ash tuff. grey Very hard material <2mm Porphyroblast of Blue QTz 1-3mm 12-15% Core Angle 45° To C.A. Near North Contact 0.5' Contains 10% of chloritic material. North contact 50° To C.A.													
353.1	380.6	And. green medium soft To med. hard grain Size <2mm 2% Shadow of material fragment 4-6mm (Occasional) Slightly Epidotized 12-15% fine <1mm Blue QTz north Contact 60° To C.A.													
380.6	496.9	And green, medium hard grain Size 1-2 mm Epidotized, chloritic matrix occasional hematisation in fractures ocasional QTz CO_3 Stringers 421.6-423 QTz CO_3 Veins 80° To C.A. 380.6-381.1 Very fine (Aphanitic) Possible Slow deposition -													

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

SHEET NO. 3 HOLE NO. V6-111

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
		Archilled Zone — north contact not but irregular.													
496.9	498	Andesite.													
		fine grain (Aphanitic) chloritic contact do T.C.A.													
		occasional material (felsic) .5mm 2%													
498	557	And.													
		idem 380.6 - 496.9													
557	560.5	QTZ Porphyry. Rhyolite.													
		grey and white, recrystallization. Hard, mostly SiO_2 and feldspars 15% 1-2mm blue QTZ 10% chlorite contacts 45° T.C.A.													
560.5	579.5	And.													
		idem 380.6 — 496.9													
579.5	579.2	QTZ Porphyry. Rhyolite.													
		idem 557-560.5													
579.2	587														
		idem 380.6 - 496.9 And.													
587	593.7	~~Dacitic~~ Ash tuff. Andesite													
		grey to green, material size 1-2 mm felsic - medium hard - th Py cubic from 2-3 mm.													

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

SHEET NO. 4 **HOLE NO.** VC-111

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RECOVE[RY] RUN	SH
593.7	760	Andesite ~~Dacite~~ Ash flow – LAVA.													
		grey to green very fine material < .5 mm, medium soft													
		15% SiO2-CO3 bands .5 – 1" 40° T.C.A													
		TN Py cubic form .5-2 mm													
		611.5 – 617 material size 1 – 3 mm elongated –													
		616 TN of Py - cpy													
		617 – 680 very homogeneous texture													
		Extremely fine feldspar (white) ≈ 20-25%													
		680 - 710.5 gradual increasing of material up to 1.5 mm													
		few fine section of aphanitic material.													
		710.5 - 725 fine material < .5 mm													
		725 - 748 gradual increasing material < 1.5 mm													
		748 – 750 material 2 mm feldspar phenocryst. 15-20%													
		750 - 756 gradually decreasing													
		756 – 760 Aphanitic material													

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

SHEET NO. 5 HOLE NO. V6-111

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVE RUN	SH
760'	762.5	Lithic tuff													
		progression of the composition from basic, fine grained, green color, chloritic to a rhyolitic composition in thin horizons (<1cm)													
		interbedded in the chloritic tuff.													
		evidence of bedding													
		small stringers of py < 0.5%													
762.5	834.5	Massive rhyolite		3951	762.5	762.9	0.4'	tr	tr	tr	tr		Contact		
		Grey color, important sericitization		3952	762.5	767.5	5'	tr	Nil	tr	0.05				
		presence of small dark minerals, probably biotite < .5mm		3953	767.5	769.3	1.8'	tr	Nil	tr	0.06				
		stringers of py-po < 0.5%		3954	769.3	770.2	.9'	tr	.01	tr	0.07				
		contact at south 46° to C.A.		3955	770.2	772	1.8'	tr	.01	tr	0.12				
		767.5 no dark minerals present, like biotite.		3956	772	772.4	.4'	0.05	.01	.04	0.10				
		more sericitization		3957	772.4	775.1	2.7'	tr	tr	tr	tr				
		massive white-grey, fine grained		3958	775.1	776	.9'	tr	tr	tr	tr				
		mineralization 772' to 772.4' stringers of po, minor py, cpy trace / 5%		3959	776	779.5	3.5'	tr	.01	tr	tr				
				3960	779.5	780.5	1'	tr	tr	tr	tr				
				3961	780.5	782.5	2'	tr	.01	tr	tr				
		? contaminated quartz?		3962	782.5	782.7	.2'	0.15	.01	.22	tr				
				3963	782.7	787.4	4.7'	0.10	.01	.07	tr				
		769.3 to 770.2 } probably base of flows with dark minerals non magnetic		3964	787.4	787.8	.4'	0.05	.01	tr	tr				
		775.1 to 776' } 2-5mm, 1to5%		3965	787.8	794.7	6.9'	tr	.01	tr	tr				
		779.5 to 780.5' } sharp contact at the south and gradual													
		to the north with disappearing of													
		dark minerals													
		disseminated py < .5%.													
		780.5' to 794.6' coarser grained rhyolite													
		with white qtz porphyritic 2-3mm													
		mineralization 782.5 to 782.7 quartz vein, 7cm, with													
		epidotization													
		2% py, trace cpy													
		787.4 to 787.8 quartz vein with chlorite-sericite-calcite													

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

SHEET NO. 6 HOLE NO. V6-111

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	% Zn (~~CU CUM. W X A~~)	AU CUM. W X A		RECOVE… RUN	SH…
		794.7 to 815.5 Alteration zone with chloritization		3966	794.7	801.7	7'	0.10	tr	tr	0.05				
		contact marked at the south by quartz-calcite vein		3967	801.7	808.5	6.8'	0.10	tr	.05	0.53				
		1 to 4cm wide.													
		mainly coarse Grained, with Quartz porphyry visible 2-7mm													
		.... schistozed													
				3968	808.5	815.5	7'	0.07	tr	.04	0.74				
				3969	815.5	819.5	4'	0.06	tr	.03	1.24				
		mineralization		3970	819.5	822.2	2.7'	0.06	tr	.06	5.81	↓		.80 [illegible]	
		sphalerite disseminated <1%		3971	822.2	822.7	.5'	0.28	.01	.20	14.74				
		808.5 to 809 stringer of po 1/4", with cpy		3972	822.7	823.9	1.2'	0.06	tr	.04	4.97		6.1 pi @ 7.10% Zn,		
		808.5 to 815.5 2-3% sphalerite		3973	823.9	824.5	.6'	0.28	.01	.19	12.76				
				3974	824.5	825.3	.8'	0.04	tr	.03	2.71		0.10% Cu		
		815.5 to 825.6 Alteration zone with weak chloritization, and sericitization		3975	825.3	825.6	.3'	0.06	tr	.13	14.98	↑	.0028 oz Au/T.		
		quartz porphyry smaller 1-2 mm													
		Grey-Green color.													
		Chloritization and carbonatation strongest within and around mineralized zones													
		main mineralization													
		822.2 to 822.7 60% sphalerite, 5% cpy													
		823.9 to 824.5 25% " , 1% cpy													
		825.3 to 825.6 40% "													
		total mx 815 to 825.6 10% sphalerite, <1% cpy													
		825.6 to 834.5 Intense alteration zone													
		black color rock, well chloritized with minor sericite		3976	825.6	829.5	3.9	1.07	.01	.04	1.24	↓	0.25% Cu		
		Fine Grained, specks of Quartz visibles ≈1mm		3977	829.5	833	3.5	0.14	.01	.11	0.45		.012 oz Au/T.		
		mineralization disseminated and stringers of sphalerite ≈1%		3978	833.0	833.4	.4	2.04	.04	1.16	0.94	9.6' @		.167 oz	
		and cpy<.5%, po		3979	833.4	833.9	1.4	0.30	.01	.23	0.30				
				3980	833.9	834.3	.4	0.93	.02	.68	0.25	↑	0.76% Zn	Ag/t	
		825.6 to 829.5 5% sphalerite, <1% cpy, minor po													
		intense chloritization { 833 to 833.4 5% cpy, <1% sph, 3% po		6274	834.3	837.5	3.2	0.05	tr	.05	0.05				
		well schistozed { 833.9 to 834.3 7% cpy, 7% po, sph trace.													

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

SHEET NO. 7 HOLE NO. V6 111

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn (CU CUM. W x A)	AU CUM. W x A		RECOVERY RUN	SHO
834.5	844.4	Porphyritic Rhyolite													
		Quartz-felds porphyry mainly 5-7mm diameter 2 % cpy, 2% po		3981	537.8	543.2	5.4'	0.32	.01	.18	0.13				
		Some light bluish Quartz													
844.4	937	Rhyolite Partly Alt.		6275	842.8	843.5	.7	0.10	tr	.05	0.04				
				76		843.7	.2	0.35	tr	.19	0.04				
		grey - green. hard to medium hard		77		847	3.3	0.15	tr	.09	0.03				
		Major sericitization minor chlorite.		78		852	5	0.10	tr	.03	tr				
		occasional qtz porphyry 2-4mm		79		857	5	0.05	.01	.03	0.03				
		idem 71.2 - 834.5		80	884	885.7	1.7	0.10	.01	.07	tr				
				81		886.1	.4	1.00	.01	.27	0.05				
		843.5		82		887	.9	0.10	tr	.04	tr				
		886, 892.6, 910.5, 914.5 - 914.8, 917.8, 924.2 - 924.4,		83		892	5	0.05	tr	tr	tr				
		925', 927'		84		892.6	.6	0.20	tr	tr	tr				
				85		892.8	.2	0.25	tr	.03	tr				
				86		897	4.2	0.05	tr	tr	tr				
		→ fine stringers cpy. Py													
				87	907	910.4	3.4	0.05	tr	.03	tr				
				88		910.6	.2	0.25	tr	.12	tr				
		925.3 - 927.3 Acid Lapilli tuff.		89		914.6	4	0.05	tr	tr	tr				
		Material fragm. sub-rnd 4-8mm		90		915	.4	0.90	.03	.81	0.04				
		Contacts 55° To C.A.		91		917.5	2.5	0.05	.02	.05	tr				
				92		917.8	.3	0.50	.02	.43	0.03				
				93		922	4.2	0.05	tr	.04	tr				
	937	End of hole.		94		924	2	0.05	tr	.04	tr				
				95		924.5	.5	0.50	tr	.17	0.03				
				96		925	.5	0.05	tr	.07	tr				
				97		926.7	1.7	0.05	tr	.20	0.03				
				98		927	.3	0.40	tr	.45	tr				
				99		932	5	0.40	tr	.07	tr				

O MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

Lemoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
0'	—	-45
100	-52	-43.5
200	-50.5	-42
300	-50.5	-42
400	—	-43

~~LEVEL~~ 32236 0 Cl 2
LOCATION
SECTION 67+00W, 8+00S
LATITUDE (geoph. grid)
DEPARTURE -45

~~ELEVATION~~ Chibougamau D. Drilling LTd
BEARING Az: 339°
LENGTH 507'
CORE SIZE BQ
FINISHED mars 82

HOLE No. V6-112
SHEET No. 1
LOGGED BY A. Blain
PURPOSE Expl.
TOT. RECOVERY

Tropari 400' Az: 324° (corrected)

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN
0	24.1	overburden.												
24.1	30.8	Rhyolitic tuff.												
		Color grey, very hard, material < 2mm, visible fragments blue Qtz less than .5% 1-2mm												
		Core Angle: 55° To C.A												
		28 - 28.4 Epidote veins 55° T.C.A												
		North contact 70° T.C.A sharp and irregular.												
30.8	99.1	Andesitic Ashflow and tuff.												
		30.8-67												
		green, soft, grain size < .5mm fragments 15% < 2mm elongated, feldspar and CO_2 + few chloritic fragment.												
		Core Angle: 60 To 65° To C.A.												
		31.5 - 31.9 Rhyolite, grey, very hard 60 T.C.A												
		31.9 - 32.5 / 41 - 41.3 / 51 - 52.4 } Epidote broken and irregular with SiO_2 and CO_2 matrix												
		56.3 - 57.4 Visible Bedding with different composition Rhyl -> And												
		57-57.4 fragments more abundant 20-25% < 2mm												
		67 - 91												
				3986	70.3	71.3	1	0.05	tr	.05	0.04			
		Dark green, Different flow composition more		87	71.3	72.5	1.2	0.05	tr	.10	tr			
		Andesitic		88	72.5	73.5	1	0.05	tr	.05	tr			
		67 contact at 70° To C.A.												
		fine grain size homogene < .5mm fragment 10% < 2mm [illegible]												

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

SHEET NO. 2 HOLE NO. V6-112

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 SH
		71.3 - 72.5 15% Py 5% Po in coarse matrix occurs in Stringers. 60° To C.A.													
		91 fine Po Stringers over 6 inch with th Py.													
		91 - 99.1 Same 30.8.67 Except no Epidote Zone.													
99.1	250.3	DAcite - Andesite. Ash or LAVA flow.													
		99.1 - 177													
		Light green to green, Medium Soft, grain size <1mm Homogene, Spotty Epidotized.													
		th po in matrix, and fine Stringers.													
		occasional QTZ veins.													
		- Ash flow?													
		128.7 - 129.6 / 130.1 - 134.5 Rhyodacitic, grey, Aphanitique grain size - visible Bedding (change of composition) 60° To C.A.													
		Tr of po and cpy.													
		133.5 - 134 More Andesitic grain size <1mm													
		177 - 250.3													
		gradual diminution in grain size <.5mm homogene													
		occasional Qtz and CO3 Vein.													
		few fractures fill with Chlorite (Penninite)													
		177 2% Epidotized.													
		Core Angle. 60° To C.A.													
		196 - 197 Qtz and Epidote.													
		200.5 - 201.6 / 205.1 - 208.7 Qtz Vein 85° To C.A.													
		231 - 232 Stringers Sulp, Cpy, Epidote To Total.													
		Nat contact: 55° To C.A.													

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

SHEET NO. 3 **HOLE NO.** 76-112

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
250.3	260.8	F.X.T. Rhyodacitic composition.
		grey, fragmental material < 2mm hard,
		10-15% chlorite
		5% blue QTZ < 1mm.
		North Contact. 60° To C.A.
260.8	263.3	DAcitic Flow LAVA or Ash.
		green, Soft, chloritized partially,
		grain size < .5mm
		Tr Po, Py, cpy.
263.3	264.4	Rhyolite
		grey, fine grain, Sericitized, Partly Soft.
		Contact 65° To C.A.
		minor py cubic form 2.4mm
264.4	265.7	DAcitic chloritized.
		idem 260.8 - 263.3
265.7	269	Rhyolite.
		idem 263.3 - 264.4
		occasionnal Stringers of Po, Py
		North Contact 65° To C.A
269	327.1	BASic intrusive or And. Ash flow.
		Dark green fine grain < .5mm homogene,
		medium soft.
		Hematisation along fractures
		Partial Epidotisation

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN	SH
	3989	262.5	263.5	1	0.05	tr	.03	tr				
	90		264.5	1	0.05	tr	.05	tr				
	91		266.5	2	0.10	tr	.04	0.17				
	92		266.8	.3	0.10	tr	.10	0.10				
	3943		267.6	.8	0.05	.01	.03	0.21				
	44		267.8	.2	0.10	tr	.07	0.34				
	45		268.6	.8	0.10	tr	.04	0.20				
	46		269	.4	0.10	tr	.06	0.23				
	47		270	1	0.05	tr	.04	0.03				

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

SHEET NO. 4 HOLE NO. V6-112

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	% Zn (CU CUM. W X A)	AU CUM. W X A		RECOVERY RUN
		Contact 60 To C.A.												
		At both contact finest grain size.												
327.7	425.1	FYT.												
		grey, RhyoDAcit. composition, hard,												
		material fragment <2mm 35-40%.												
		flow breccia < 15mm. 10-12%.		3872	407	408.4	1.4	0.10	tr	.03	0.03			
		330.8, 333, 334.7 fine Po stringers.		73		408.6	.2	0.15	.01	.13	0.47			
				74		408.9	.3	0.05	tr	.04	0.06			
		407.5		75		409.5	.6	0.10	.01	.07	1.05	↓		
		408 - 408.4 } Po, cpy, Zn fine stringers		76		410.5	1	0.05	.01	.03	0.44	1.8'	@0.07% Cu	0.84%
		409 } & minor mineralization		77		410.7	.2	0.05	.02	.06	2.22	↑		
		409.6		3948		411.1	.4	0.05	.01	.03	0.91		.043 Au/t,	.047 oz A
				49		412.1	1	0.05	tr	.03	0.05			
		North contac 60 To C.A.		50		412.2	.1	0.10	.02	.07	0.28			
				6350		413.2	1	0.05	tr	.03	0.09			
425.1	430.8	Andesitic Ash or LAVA												
		green, Chloritic, soft, very fine grain (Aphanitic)												
		Core Angle 70 To C.A.												
		North contact broken core.												
430.8	507	Basic int. in And. LAVA.												
		sim 269 - 327.7												
	507	End of hole.												

MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

Lemoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
0'	—	-50°

~~LEVEL~~	Bail Mines 671
LOCATION	322360 CC 2
SECTION	L-6270W, 4+90S
LATITUDE	
DEPARTURE	-50°
ELEVATION	Chibougamau Drilling L.T.d.
BEARING	Az: 339°
LENGTH	137 ft.
CORE SIZE	BQ
FINISHED	Juin 82
HOLE No.	V6-113
SHEET No.	1
LOGGED BY	Alain Bl[illegible]
PURPOSE	H. Horizon Wes[illegible]
TOT. RECOVERY	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	33.1	Casing.
33.1	77.3	F.X.T.
		33.1 - 66
		Color Bluish grey To greenish grey, fine grain <.5mm Sericitized and Slightly chloritized 20-25% Qtz porphyroblast (Blue Qtz) from 1 To 3mm. 5% of fragment composed of felsic material 2 - 10 mm
		fine foliation 60° T.C.A. from 57 To 66 decreasing in amount of Qtz porphyroblast ≈ 5%
		66 - 73.5 Coarser gr. Zone highly porphyric. 35% of Qtz porphyroblast. 1-2 mm. gr. Signe [illegible] Tesial.
		73.5 - 77.3 idem 33.1 - 66. Minor py. fine g. 73.5 fault. partly grinded and Mud.
77.3	79.1	Mineralized Zone (mine horizon).
		Bedded Rhyol. Composed of Acidic band few inches Containing of cpy ~~and~~ Sph and Po Stringers and Sericitized - chloritized band of Rhyol. Containing minor Po, Sph, cpy.
		Bedding 50° T.C.A.
		5-8% of Qtz porphyroblast 2-3 mm. Contact at 50° T.C.A. (low contact water)

GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	% CU	OZ AU	OZ AG	% Zn	AU CUM. W X A		RECOVERY RUN	RECOVERY SHORT
	1647	70	73	3.0	0.05	.01	.09	0.07				
	48	73	74	1.0	0.05	TN	.10	0.29				
	49	74	75	1.0	TN	TN	.05	0.10				
	50	75	76	1.0	TN	.01	.05	0.06				
	5701	76	77.3	1.3	TN	.01	.04	0.07				
	02	77.3	78.2	0.9	0.10	.03	1.06	2.97	↓			
	03	78.2	78.5	0.3	0.05	.01	.15	0.09	2.7' @	2.37% Zn,		
	04	78.5	79.1	0.6	0.90	.04	1.57	3.55		0.953 Ag/T.		
	05	79.1	80	0.9	0.50	.02	.68	1.75	↑	0.41% Cu		
	06	80	81	1.0	0.05	.01	.15	0.14		.027 oz Au/T.		
	07	81	82	1.0	TN	Tr	.09	0.21				
	08	82	82.5	0.5	0.10	TN	.11	0.03				
	09	82.5	83	0.5	tr	tr	.05	0.12				
	10	83	84	1.0	TN	.01	.06	0.12				
	11	84	85	1.0	TN	.01	.17	0.04				
	12	85	85.5	0.5	0.05	.01	.29	3.73				
	13	85.5	87	1.5	0.10	TN	.11	0.40				
	14	87	88	1.0	0.05	.01	.06	0.21				
	15	88	88.3	0.3	TN	.01	.05	0.06				
	16	88.3	88.9	0.6	0.05	.01	.09	0.06				
	17	88.9	91	2.1	TN	.01	.04	0.06				
	18	91.	93	2.0	TN	.01	.05	TN				
	19	93	95	2.0	TN	TN	.04	TN				
	20	95	97	2.0	TN	TN	.05	TN				
	21	97	102	5.0	TN	tr	.06	TN				

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

SHEET NO. 2 HOLE NO. 16-113

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
79.1	85.5	Rhyolite.													
		f.g. light green, Sericitized. Comp. Sericite, Qtz, Carb.													
		f.g. material 2-4%, 2-5 m.m.													
		1% fine Sphalerite Stringers.													
		occasional less sericitized band. 60° To C.A.													
85.5	86.2	Qtz vein remobilized low Sulphides mostly Sphalerite.													
86.2	120.4	Rhyolite.													
		Dark grey To green.													
		Mostly Sericitized, Qtz, Carb. Chlorite.													
		f.g. occasional Stringers of po, and Sphalerite.													
		Massive Mineralized frag. @ 94'. po, cpy - 10 mm x 7 mm													
		occasional Carb and Qtz Stringers and Veins													
120.4	137	BASIC intrusive													
		Dark green.													
		Homogeneous Texture. f.g. 1 mm.													
		Chloritic matrix with fine Alt. feldspar (.5 mm) grains													
		occasionally epidotized													
		at 120.4 chilled Contact.													
		125.5 - 126 Rhyolite. (broken inclusion).													
	137	END of hole													

MINES (QUEBEC) LIMITED
PATINO (QUEBEC) LIMITEE

Lemoine PROPERTY

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED
0'	—	319°/-50
—		
—		

~~LEVEL~~ 322360 cl 3
LOCATION
SECTION 52+00E, 13+10S
LATITUDE
DEPARTURE -50'

ELEVATION Ch. Bunjaman D. Drilling LTd
BEARING 319°
LENGTH 197'
CORE SIZE BQ
FINISHED Juin 82

HOLE No. V6-114
SHEET No. 1
LOGGED BY Alain Blais
PURPOSE L. Grade Zn Zo
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 SHOR
0	27	Casing.													
27	40.9	Andesite flow ou intrusive.													
		Color, dark green, f.g. uniform Texture. Composition mainly chlorite with QTz porphyroblast 1-5mm (2-4%), fine grain of Altered feldspar (10-15%), 2-3% carb. Epidotization occasionally. foliation developped at 60° To C.A. occasional carb and QTz veins 60° To C.A. less than 1 inch. Two % py associated to Low content in magnetite													
40.9	57.6	Rhyolite.													
		Color light grey, f.g. with small increasing of both of the units - composition Sericite and QTz. Low chlorite. 3-4% of .5-1mm blue QTz porphyroblast. foliation at 60° To C.A. occasional QTz Carb veins less than 1" no mineralisation.													
		Sharp contact 65° To C.A. near both contact chlorite replaced Sericite.													
57.6	99.5	Andesite to Dacite tuff.													
		Color dark green To green f.g. 20% fine carbonate bands at 70° To C.A.													

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

SHEET NO. 2 | HOLE NO. Y6 - 114

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		RECOVERY RUN	SHOR
		Composition mainly chlorite, 5-8% <.5mm Blue QTZ porphyroblast, ≈ 2-4% magnetite (fairly magnetic) Carb, Alt felspar (minor %)													
		from 69' grain size increasing gradually up to 71.2'													
		71.2' - 72 fragments zone 70% of few mm to 10 mm elongated fragments Rhyod. to DAC. composition. Surround by carb and chloritic matrix (Fault breccia?)													
		round to subangular fragments broken by fault zone nearby.													
		72 - 73 broken core and mud. } fault zone.													
		74.6 - 75.5 broken core and mud.													
99.5	102	QTZ Vein													
		white massive QTZ with inclusion of Rhyolite, lightly sericitized.													
		Contact at 45° to C.A.													
		No mineralisation.													
102	197	Rhyolite.													
		Color grey to yellowish white.													
		102 - 132 grey f.g. mainly composed of quartz and sericite occasional injection of QTZ and carb QTZ and sericite are finely mixed.													
Rhyolitic		132 - 181 gradually sericite and QTZ seem to separate forming a sericitic matrix with "fragments" of QTZ and felsic material locally forming banding between sericite and QTZ.													

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

SHEET NO. 3 HOLE NO. V6-114

FOOTAGE		DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE			ASSAYS						RECOVER	
FROM	TO				FROM	TO	LENGTH	% CU	OZ AU	OZ AG	CU CUM. W X A	AU CUM. W X A		RUN	SHOR
		fairly foliated at 60-65° To C.A.													
		165- 175 bad ground, broken core													
		169' Weak. fault Zone.													
		many QTZ injection in that													
		Section. no mineralisation.													
		191 - 195. yellowish white To light green.													
		Gradually change to homogeneous													
		Texture f.g. Still Lightly Sericitized													
		191 faulted.													
		192 QTz injection.													
		195-197. Homogeneous Texture, f.g.													
		Highly Sericitized													
	197	End of hole													

~~O~~ MINES (QUEBEC) LIMITED PATINO (QUEBEC) LIMITEE Lemoine PROPERTY	DIP TEST FOOTAGE: 0' — ANGLE: RECORDING: — CORRECTED: 319°/-50	~~LEVEL~~ LOCATION 322360 C 3 SECTION 55+00 E, 12+80 S LATITUDE DEPARTURE -50'	ELEVATION Chibougamau D. Drilling Ltd BEARING Az: 319° LENGTH 307 CORE SIZE BQ. FINISHED Juin 82	HOLE No. V6-115 SHEET No. 1 LOGGED BY Alain Blais PURPOSE TOT. RECOVERY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	GRADE ESTIMATE	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS % CU	OZ AU	OZ AG	~~CU CUM. W x A~~ % Zn	AU CUM. W x A		RECOVERY RUN	SHOR[T]
0	32	Casing.		5738	137	139	2	0.05	Tn		Tn				
				39		142	3	Tn	Tn		Tn				
32	68.6	Andesite or intrusive		40		145	3	Tn	Tn		Tn				
				41		146	1	Tn	Tn		Tn				
		Color dark green, f.g. Homogeneous Texture		42		149	3	Tn	Tn		Tn				
		Composition mainly chlorite with ≈5-8%		43	207	209	2	Tn	Tn		Tn				
		f.5mm blue, qtz porphyroblasts, 10-15% of		44		211	2	Tn	Tn		Tn				
		fine alt felsic material <.5mm, magnetite.		45		212	1	0.05	Tn		Tn				
		occasional Carb band less than .5"		46		214	2	0.05	Tn		Tn				
		foliation poorly developped.		47		216	2	0.05	Tn		Tn				
				48		218	2	Tn	Tn		Tn				
68.6	77.8	Andesite - Dacite tuff		49		220	2	Tn	Tn		Tn				
		Comp: chlorite - qtz - Carb - felsic material.		5750		221	1	Tn	Tn		Tn				
		Color green f.g. banding caused by qtz		5651		222	1	Tn	Tn		Tn				
		and Carb veins < 1" 60° To C.A.		52		224	2	Tn	~~Tn~~		Tn				
		upper contact Sharp. 60° To C.A.													
		Lower Contact: weak by alternance of Dacitic		53	261.5	263	1.5	Tn	Tn		tr				
		tuff and Rhyolite -		54		263.7	0.7	tr	tr		tr				
			0.20/Cu	55		264.2	0.5	0.25	Tn		tr				
		Presence of Secondary Py along foliation.		56		265	0.8	0.10	Tn		tr				
				57		266	1.0	0.05	Tn		Tn				
77.8		Rhyolite 77.8 - 90.9													
		Color grey, grain size 1mm partly elongated by foliation,													
		Composition mainly qtz low Sericitization 8-10% of fine black grain (Amphibole?) along foliation felsic material.													
		87.5-90.9 Possible fragments section or texture given by alteration.													

AB

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

SHEET NO. 2 HOLE NO. V6-115

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
		90.9-101.5 Light grey f.g. Zone Very Tight Rhyolite no foliation													
		101.5-106 foliations at 65-70° TOC.A. Poorly Sericitized													
		106-110 Less Tight foliations, increasing of sericitization, Color from grey To Light green fs with 10% of .5 To 1mm felsic grains.													
		110-119 Light grey, 1mm To 1.5mm grain Size 5% of felsic phenocrysts. Fracture Poorly Schicitized. foliations 60-65° TOC.A 5% of <.5mm black dots. chlorite.													
		118.5-118.5 Lightly foliated with Alt felsic porphyroblast (15%) 1-4mm.													
		119-122 fs / Green color 8-10% <1mm chloritic & porphyroblast.													
		122-124.5 ; Less 110-119													
		124.5-128.5 ; Less 119-122 with occasional band of Light grey Rhyolite similar To 110-119													
		128.5-137.2 Dark grey f.g. lightly Silicified with Low Amount of chlorite Sericite (10%) and fine bands of black amphibole and chlorite. (5-8%) occasional Qtz injections.													
		137.2-139 Qtz vein ; Irregular contact.													
		139-142 Light grey To white, aphanitic grain homogeneous lightly felsic composition. occasional Qtz Carb injection 80° TO C.A. Less than 1% of mafic material.													

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

SHEET NO. 3 HOLE NO. V6-115

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
		142-146 idem to 128.5-137.2 10-12% chlorite - Sericite. Minor Cubic py and fine pp along foliations.													
		146-172 yellowish grey. with sporadic grain sizes up to 2mm 5-8% felsic fragments. (Tuff) 147-148 felsic pegmatite .5-2 mm. (15%) Composition slightly Sericitic minor fine Cubic py													
		172-181 Highly Sericitized Section. Aphanitic grain with 2% <.5mm chlorite blots. Very homogeneous Texture.													
		181-186.4 Rhyolitic tuff. Light green to grey fanning at 70° T.C.A. Caused by different degree of Sericitization. Low amount of Chlorite present in some Sections.													
		186.4-187. idem 172-181													
		187-192 Rhyolitic tuff idem 181-186.4													
		192-199 idem 172-181													
		199-207 Rhyol. tuff. idem 181-186.4													
		207-210.5 green colour Sericite-chlorite Alt. f.g. Homogeneous Texture.													
		210.5-222 Porphyry Zones (Tuff tuff) Highly Sericitized and chloritized matrix with 50-60% of 1-2 mm partly Alt. feldspar phenocrt.													

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

SHEET NO. 4 HOLE NO. V6-115

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
		(Similar zone in with 6-6-6 intercept mineralisation of Sphalerite over 6 ft.													
		222-265.4 green to dark green mostly Dacitic tuff composition. f.g.													
		Highly sericitized and chloritized. good of felsic fragments, few mm wid. Foliation fairly developped at 65° T.C.A. Occasional epidotisation band < 1" 65° T.C.A.													
		223.8 - 224.5 heavy fragment zone.													
		224.5 - 225.5 Aphanitic grain zone Highly sericitized. banding caused by variation of sericite.													
		261.5 fault ~~plane~~ with light green gouge.													
		261.5 - 265.4 → Recrystallized zone Silicified with minor cpy remobilized at 264 ft. (263.6 - 264.2) 70° T.C.A.													
		265.4 - 307 grey Rhyolitic tuff f.g. with 10-15% 1-2 mm felsic fragment partly altered fairly developped foliation. 60° T.C.A. occasional epidotized bands < 1"													
	307	End of hole													