

GM 05804

DIAMOND DRILL RECORD, EAST SULLIVAN OPTION

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Énergie et Ressources
naturelles

Québec 

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

East Sullivan Option

Reference grid taken from St. Pierre geophysical map

LEVEL

DRILL SIZE

COMMENCED March 30 57

LOCATION Mattagami Lake CORE SIZE Ex

COMPLETED

Fournier Diamond drilling Valid Or.

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE Post 14 35 S

HOLE NO. M.E. 2

DEPARTURE 1 75 127 W

LENGTH 690'

FEET

ELEVATION

SHEET NO. 1

AZIMUTH N 30° W

LOGGED BY P. Desplante

DIP 45°

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS				AVERAGES			
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.
				FROM	TO	TOTAL									
0	20	Casing													
20	213.5	Intermediate volcanics, light greyish green, fine-gr., massive to slightly brecciated, fractures being filled with qtz and a black hard (6) non-magnetic material (qtz with fine graphite?) local white fine flocking(feldspar microcline?) 20-232: Pyrite, odd chalco	Tr.	57	62	5	8579	-	-	T	T				
213.5	396.8	Fragmental flows, creamy grey to light green, showing coarse elongated sometimes rounded, (resorbed) fragments in a dark blackish groundmass(qtz and fine graphite; in places there is enough graphite to soil the hand.) All fragments are usually of the same composition indicating a brecciated lava composition. Major axis of fragments 0 to 30°. Local nodulitic texture presumably due to an explosive volcanic phase, odd irregular thin qtz stringers. 232-391.8: Pyrite cubes, chalco small Tr. to 1% 343-343.4: barren qtz stringer 70° 350-353: qtz vein; 1" feldspar crystals at the north contact; 20°. Pyrite Tr. Barren qtz stringers, a few feldspar crystals; contacts 0° to 30° 358-359; 376.5-380; 385-396.8: getting more graphitic.		350	353	3	8578	-	-	T	.30				
396.8	448.7	Graphitic tuffs, 80% graphite, 5% x 10% irregular qtz stringers; well defined buffaceous banding 0 to 50; locally the banding is contorted; locally agglomeratic. Pyrite 396.8-400: Pyrite concentration	1% to 5% 60%	396.8	400	3.2	8577	.30	-	T	T				

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Ministère des Richesses Naturelles Québec
SERVICE DES CITES MINÉRAUX
No GM-5804-B 10'

PUBLIC

Ministère des Richesses Naturelles, Québec

SERVICE DES CITES MINÉRAUX

No GM-5804-B

10'

DIAMOND DRILL RECORD

FORM 1650 5M-2-53

MINE
REMARKS
LEVEL
LOCATION

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

DIP

LOGGED BY F.D.

FEET[illegible]

FORM 166B 5M-9-53

DIAMOND GRILL RECORD

DIAMOND DRILL RECORD

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

LEVEL

DRILL SIZE

COMMENCED

LOCATION

CORE SIZE

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE

DEPARTURE

ELEVATION

AZIMUTH

DIP

HOLE NO. U.S. 2

LENGTH

FEET

SHEET NO.

LOGGED BY P.D.

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
				400	405	5	8669			T	T						
				405	410	5	70			T	T						
				410	415	5	71			T	T						
				415	420	5	72			T	T						
				420	425	5	73			T	T						
				425	530	5	74			T	T						
				430	435	5	75	N	N	T	T						
				435	440	5	76			T	T						
				440	448.5	8.5	77			T	T						

Fournier Diamond Drill Val'd'Or.

LATITUDE Post 15 + 65 S HOLE NO. M.E. 3
 DEPARTURE L 60 + 00 W LENGTH 800' FEET
 ELEVATION SHEET NO. 1
 AZIMUTH North LOGGED BY F. Dompierre
 DIP 15°

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

DIAMOND DRILL RECORD

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

LEVEL

DRILL SIZE

COMMENCED

LOCATION

CORE SIZE

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE

DEPARTURE

ELEVATION

AZIMUTH

DIP

HOLE NO. M.E.: 3

LENGTH

FEET

SHEET NO.

LOGGED BY F.D.

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
				707	712	5	8702			T	T						
				712	716.5	4.5	03			T	T						
				721	723	2	8704			T	T						

MINE EAST SULLIVAN MINES LIMITED
Lamarche-Sinclair Option
REMARKS Reference grid, St. Pierre geophysical map.

LEVEL DRILL SIZE COMMENCED May 30, 57
LOCATION Mattagami lake CORE SIZE Ex COMPLETED June 3, 57
Fournier Diamond Drill Vald'Or.

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE Post 35+00 S HOLE NO. M.E. 4
DEPARTURE L 57+110 W LENGTH 521' FEET
ELEVATION SHEET NO. 1
AZIMUTH S 27° E LOGGED BY F. Domplierre
DIP 45°

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
0	38	Casing.															
38	234	Andesite, dark green, fine-gr., massive, odd irregular qtz-carb. stringers, chloritized epidotized along fractures. Pyrite, pyrrhotite Garnetization along a longitudinal fracture at 99'. 117-118: Pyrite, minor chalco In a irregularly silicified, epidotized & sparsely garnetized zone. 126-156: showing numerous med to coarse roundish nodules surrounded by a metamorphic aureole, the nodules consist of either qtz surrounded by chlorite & epidote or chlorite surrounded by epidote. 156-195: showing numerous med-gr. idiomorphic epidotized feldspar phenocrysts. At 167.5, a few specks of sphalerite. 206-221: Pyrite, chalco Filling irregular fractures. At 215, a 3" almost massive sulphide stringer < 45° Pyrite, minor chalco	Tr. 1% Tr. to 1% 80%														
234	315	Peridotite, dark bluish-grey, fine to med-gr. massive, uniform, magnetic magnetic; a few talcose fractures Pyrite, chalco 292.7-293: andesite, dark green, fine-gr. massive; showing med-gr. chloritic nodules surrounded by epidote.	Tr. 														

MINE	REMARKS	LEVEL	LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. E.S. 4
LENGTH
SHEET NO. 2
LOGGED BY F.D.

[illegible]

FORM 166B 5M-5-53

MINE Lamarche-Sinclair Option

REMARKS Reference grid St. Pierre geophysical map.

LEVEL

DRILL SIZE

COMMENCED June 3rd 57

LOCATION Mattagami Lake CORE SIZE 3x

COMPLETED June 18 57

Fournier Diamond Drill Vald'Or.

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE Post 42+80 S HOLE NO. M.E. 3

DEPARTURE L 57+110 E LENGTH 962' FEET

ELEVATION SHEET NO. 1

AZIMUTH N 27° W LOGGED BY F. Desjardis

DIP 45°

Fournier Diamond Drill Hole No. 10r.																	
FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ANALYSES					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
0	48	Casing															
48	644	Andesite, dark green, fine-gr., common (5%) qtz-carb. stringers; epidotized along fractures; chloritic. Pyrite, chalco, pyrrhotite 116.3-117: calcite stringer. Chalco 150-175: finely porphyritic; (fine diversely oriented feldspar laths) Sphalerite & chalco specks associated with irregular qtz-carb. stringers at 189.6 & 190.8. 257-268: showing fine to med.-gr. idiomorphic feldspar phenocrysts. Sphalerite specks associated with a 1" calcite stringer < 90° at 322.5 347-390: finely porphyritic, as described from 130 to 175. 443.2 : chalco splash. Sphalerite specks associated with an irregular calcite stringer at 489, 495.5, 500. 567-582: finely porphyritic, as described from 130 to 175. Granitic dyke, pinkish grey, fine to med. gr., massive, uniform, barren, < indefinite: 688-690.5	Tr. 														

MINE	REMARKS	LEVEL	LOCATION

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. **M.E. 5**

LENGTH _____ FEET

SHEET NO. **2**

LOGGED BY **F.D.**

[illegible]

FORM 166B SM-B-53

DIAMOND DRILL RECORD

DIAMOND DRILL RECORD

MINE EAST SULLIVAN MINES LIMITED
Lamarche-Sinclair Option

REMARKS Reference grid, St. Pierre geophysical map.

LEVEL DRILL SIZE

COMMENCED July 4th 57

LOCATION Mattagami Lake CORE SIZE Ex.

COMPLETED July 11 57

Fournier Diamond Drill

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE 68 + 70 S

DEPARTURE L 84 + 00 W

ELEVATION

AZIMUTH South

DIP 45°

HOLE NO. M.E. 6

LENGTH 506'

FEET

SHEET NO. 1

LOGGED BY F. Dampierre

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	% Ni	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
0	58	Casing.															
58	242	Rhyolite, dark grey, massive, conchoidal fracture; locally showing fine to med.-gr. idiomorphic qtz phenocrysts often with square outlines, in an aphanitic dark grey groundmass fine to med.-gr. mottling due to irregular silicification giving the rock a granitic appearance. Pyrrhotite, minor pyrite, spalerite smells As minute inclusions associated with the silicification mottling. Chalco splash at 93.5 Qtz stringer, barren, < 90° : 144.3-144.6. 241-244: Pyrite, very minor chalco & sphalerite Gradual contact.	1%	195	200	5	8585	.10	-	T	T						
242	372	Graphitic zone, 60% to 80% graphite, 10% to 20% volcanic material, 5% to 10% pyrite, odd qtz-carb. stringers; local banding <20° to <70° Pyrite chalco & sphalerite smells As irregular stringers or round nodules up to 1" in diameter.	5% to 10%	241	244	3	8587	.07	N	T	.23	N					
317.2	342	Rhyolite, bluish grey, fine-gr. massive; conchoidal fracture, local mottling due to silicification; odd qtz-carb stringers. Pyrite, odd pyrrhotite	1%														

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SERVICE DES GITES MINÉRAUX

No GM-5804-B

PUBLIC

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM-5804-13

PUBLIC

MINE	REMARKS	LEVEL	LOCATION

EAST SULLIVAN MINES LIMITED

[illegible]

DIP

LOGGED BY F.D.

[illegible]

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

DIAMOND DRILL RECORD

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

LEVEL

DRILL SIZE

COMMENCED

LOCATION

CORE SIZE

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE

DEPARTURE

ELEVATION

AZIMUTH

DIP

HOLE NO. M.E.: 6

LENGTH FEET

SHEET NO.

LOGGED BY F.D.

FOOTAGE		DESCRIPTION	% GUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
				244	249	5	8705			T	T						
				249	254	5	06			T	.13						
				254	259	5	07			T	T						
				259	264	5	08			T	T						
				264	269	5	39			T	T						
				269	274	5	8710			T	T						
				274	279	5	11			T	T						
				279	284	5	12			T	T						
				284	289	5	13			T	T						
				289	294	5	14			T	T						
				294	299	5	15			T	T						
				299	304	5	16			T	T						
				304	309	5	17			T	T						
				309	317.2	8.2	18			T	T						

MINE EAST SULLIVAN MINES LIMITED
Lamarque-Sinclair Option
REMARKS Reference grid, St. Pierre geophysical map

LEVEL DRILL SIZE COMMENCED July 13 57

LOCATION Mattagami Lake CORE SIZE Ex COMPLETED
Fournier Diamond Drill Vald'Or.

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE P 64 00 S
DEPARTURE L 72 00 W
ELEVATION
AZIMUTH North
DIP 45°
HOLE NO. H.E. 7
LENGTH
SHEET NO. 1
LOGGED BY F. Dompierre

FOOTAGE		DESCRIPTION	% SULPHIDES	SAMPLE		ASSAYS					AVERAGES					
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	Ni %	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.
				FROM	TO	TOTAL										
0	35	Casing.														
35	42	Altered granite? yellowish green, massive; showing med.-gr. epidote irregular patches in a fine-gr. bluish grey groundmass; slightly garnetized. Pyrrhotite, pyrite, chalco Tr.														
		Contact < 30°														
42	110	Dacite, greenish grey, local maroon & blackish tinges, fine-gr. massive, brittle with a conchoidal fracture. Pyrite, chalco Tr.														
		97.5-99: 20% qtz stringers, mostly cut parrallel to core. Pyrrhotite, pyrite 1%	1%													
		Altered granite? yellowish green med-gr. massive, garnetized, < 20°: 101.5-102.5; 104-105. Nil.	Nil.	110	115	5	8590	N	N	T	T	N				
				115	120	5	91	N	N	T	T	N				
				120	125	5	92	N	N	T	.14	N				
				125	130	5	93	.05	N	T	T	N				
				130	135	5	94	.10	N	T	T	N				
				135	140	5	95	.12	N	T	T	N				
				140	145	5	96	.10	N	T	T	N				
				155	158	3	97	.12	N	T	.12	N				
110	183	Fragmental flows, bluish grey, locally with a greenish tinge; common coarse angular siliceous fragments; local tuffaceous banding < 45°; common qtz-carb. stringers; brecciated; brittle & hard. 110-145: Pyrite, pyrrhotite, chalco & sphalerite smells. 3% to 5% 1% 145-155: Pyrrhotite, pyrite 155-158: Pyrrhotite, pyrite 3% to 5% 1% 158-170: Pyrite, pyrrhotite 170-183: Pyrite, pyrrhotite 3% to 5%	3% to 5% 1% 3% to 5% 1% 3% to 5%	170	175	5	8598	.02	N	T	T	N				
				175	183	8	99	.02	N	T	T	N				
				220	225	5	8600	.10	N	T	.13	N				
				225	233	8	8601	.05	N	.03	.17	N				
				239	247	8	8602	.07	N	.02	T	N				

REMARKS

LEVEL

LOCATION

COMMENCED

COMPLETED

<u>FOOTAGE</u>	<u>DIP</u>	<u>AZIMUTH</u>	<u>FOOTAGE</u>	<u>DIP</u>	<u>AZIMUTH</u>

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. M.S. 7

LENGTH

SHEET NO. 2

LOGGED BY F.D.

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE		ASSAYS					AVERAGES					
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.
				FROM	TO	TOTAL										
		313-322: Pyrite, chalco smells	50%	313	318	5	8603	.35	N	.01	.12	N				
		322-338: Pyrite	1%	318	322	4	04	.05	N	T	.25	N				
		338- : Pyrite, pyrrhotite, sphalerite smells, chalco smells	3% to	338	343	5	8605	N	N	T	T	T				
		Locally up to 10% graphite	5%	343	348	5	06	.10	N	T	T	N				

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

MINE

REMARKS

LEVEL

LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE

DEPARTURE

ELEVATION

AZIMUTH

DIP

HOLE NO. M.E.: 7

LENGTH

SHEET NO 3

LOGGED BY

F.D.

FEET

DIAMOND DRILL RECORD

FORM 1658 5M-6-37

[illegible]

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

Lamarche-Sinclair Option, Mattagami Lake Area

LEVEL

Reference: St. Pierre's geophysical map.

LOCATION

CORE SIZE Ex

COMMENCED July 1957

COMPLETED August 1957

Fournier Diamond Drill

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE $64^{\circ}00'S$

HOLE NO. MR-8

DEPARTURE $1^{\circ}72'00''W$

LENGTH 500'

FEET

ELEVATION

SHEET NO. 1

AZIMUTH South

LOGGED BY F.D.

DIP 45°

FORM 1666 SM-8-53

DIAMOND DRILL RECORD

FOOTAGE		DESCRIPTION	% SULPHIDES	SAMPLE				ASSAYS					AVERAGES			
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	Ni %	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.
				FROM	TO	TOTAL										
0	15	Casing.														
15	43	Altered granite?, light yellowish grey, showing irregular epidote patches in a glassy aphanitic groundmass slightly garnitized: definite banding < 30°. 37.5-38.8: Basalt, greyish black, fine-gr., massive. Pyrrhotite Contact < 30°.	med.-gr. in ML Tr/													
43	166.5	Dacite, greenish grey, locally dark bluish grey, fine-gr. to aphanitic, massive; odd fragments; odd qtz-carb. stringers. Pyrite, pyrrhotite 100-127: numerous (5%) irregular qtz-carb. stringers. 123-128: Pyrrhotite, pyrite Dioritic intrusive?: greenish grey, fine-gr., locally med.-gr.; massive; more crystalline than the dacite and showing a sharp contact with the dacite: 132.3-135.8, < 80°; 142.1-144.8, < 80°; 150.7-154, < 30°; Pyrite, pyrrhotite	Tr. to 1% 1% to 3% Tr. to 1%	123	128	5	8617	.05	N	T	.14	N				
166.5	242	Rhyolite, dark bluish-grey, fine-gr., massive, fine-gr. to aphanitic, odd qtz-carb. stringers, locally grades into a more crystalline rhyolite. Pyrrhotite, pyrite Lost core: 186-193. 208.8: Qtz. stringer, 3" < 90°, Pyrrhotite, pyrite 219.5-222.5: Pyrite, pyrrhotite	Tr. to 1% Tr. to 1% 50% 3% to 5%	208	210	2	8618	.05	N	T	T	N				
				219.5	222.5	3	8619	.07	N	T	.17	N				

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

[illegible]

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ME-8
LENGTH
SHEET NO. 2
LOGGED BY F.D.

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

[illegible]

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE	COMMENCED
CORE SIZE	COMPLETED

[illegible]

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ME-8
LENGTH
SHEET NO. 3
LOGGED BY F.D.

[illegible]

FORM 166B SM-B-53

DIAMOND DRILL RECORD

EAST SULLIVAN MINES LIMITED			
MINE	Lamarche-Sinclair Option, Mattagami Lake Area.		
REMARKS	Reference: St. Pierre's geophysical map.		
LEVEL	DRILL SIZE	COMMENCED	
LOCATION	Isle-Dieu Twp	BORE SIZE 8x	COMPLETED
	Fournier Diamond Drilling.		

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

DIP 45°

LOGGED BY F.D.

[illegible]

FORM 165B 5-11-53

DIAMOND DRILL RECORD

MINE	REMARKS	LEVEL	LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

[illegible]

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. **ME-9**
LENGTH **FEET**
SHEET NO. **2**
LOGGED BY **F.D.**

[illegible]

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

[illegible]

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

FODTAGE	DIP	AZIMUTH	FODTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ~~ME~~-10
LENGTH
SHEET NO. 3
LOGGED BY F.D.

[illegible]

FORM 166B 5M-8-52

DIAMOND DRILL RECORD

DIAMOND DRILL RECORD

MINE
REMARKS
LEVEL
LOCATION

EAST SULLIVAN MINES LIMITED

DRILL SIZE
CORE SIZE
COMMENCED
COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ME-10
LENGTH
SHEET NO. 4
LOGGED BY F.D.

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
267	471.6	Andesite? as described from 108.5 to 121.5; odd light green siliceous patches giving the rock a variegated appearance; odd qtz-carb. stringers; irregularly biotitic. Pyrite, pyrrhotite, sphalerite Lost core: 288-289.5 314: 3/4" qtz-feldspar dykelet < 40° Lost core: 327.8-330 335-338: faint banding < 45° 342.5-349.2: Calcite vein < 40° 10% angular rock, fragments showing that the vein is of the filling type; locally hematitic. Sphalerite, odd chalco Numerous sphalerite and chalco specks finely disseminated in the rock over one inch at 350.3, 379.9. Granite dyke, yellow & black med.-gr. to coarse gr., fresh, massive, local pinkish tinge, consisting of idiomorphic yellowish feldspar phenocrysts in a groundmass of ferromagnesian minerals mostly hornblende & biotite: 419.2-426, north contact: < 50°; south contact < 10°; 435.8-452.9 < unknown. At 468.7 numerous chalco specks associated with irregular stringers.	T 														

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
0	65	Casing.															
65	282.5	Andesite, green, fine-gr. brecciated, chloritic, 5% to 10% carb. qtz stringers; locally epidotized local fine feldspar microclites. Pyrite, pyrrhotite 117-121.5: slightly porphyritic, showing med.-gr. feldspar phenocrysts in a fine-gr. to aphanitic green groundmass. Chalco specks associated with a low angle(30°) thin fractures at 159.8. Microdiorite? showing fine divergent feldspar phenocrysts in a green aphanitic groundmass, <30°: 173.2-181 186-189: Dacite band, brownish grey aphanitic, massive. Pyrite, pyrrhotite, sphalerite and chalco smells 196.5-197.5: Pyrrhotite, pyrite, minor sphalerite, chalco smells; the sphalerite is associated with calcite stringers < 40°. 201-202: Faint banding < 50°. Sphalerite specks associated with a thin low-angle(20°) qtz-carb. stringers at 245. 255-260: Sphalerite, chalco smells Mostly associated with low-angle qtz-carb. stringers, some sphalerite as irregular splashes. Dacite bands, brownish grey, fine-gr. to aphanitic, massive: 263.5-267; 273-277.	T														
				186	189	3	8667	N	N	T	T						
				196.5	197.5	1	68	.24	N	T	.17						
			1%														
			1%	255	260	5	8678	N	N	T	T						
				282.5	284.5	2	79	N	N	T	.18						
			Tr. to 1%														

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ME-11
LENGTH
SHEET NO. 2
LOGGED BY F.D.

[illegible]

FORM 166B SM-8-53

DIAMOND DRILL RECORD

MINE	
REMARKS	
LEVEL	
LOCATION	

DRILL SIZE	COMMENCED
CORE SIZE	COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. **MS-11**
LENGTH
SHEET NO. **3**
LOGGED BY **F.D**

[illegible]

FORM 166B 5M-B-53

DIAMOND DRILL RECORD

COMPLETED

DIP

LOGGED BY **F.D.**

DIAMOND DRILL RECORD

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

Lamarhhe-Sinclair Option, Mattagami Lake.
Reference M. P.E. St. Pierre's geophysical map.

LEVEL

DRILL SIZE

COMMENCED Sept. 7 57

LOCATION Isle-Vieu Twp. CORE SIZE Ex

COMPLETED Sept. 11 57

Fournier Diamond Drill.

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE P 28+00 S

HOLE NO. ME-12

DEPARTURE L 36+00 W

LENGTH 527'

FEET

ELEVATION

SHEET NO. 1

AZIMUTH North

LOGGED BY F.D.

DIP 50°

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE		ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.
				FROM	TO	TOTAL									
0	58	Casing.													
58	285.7	Andesite?, blackish green, fine-gr., locally med.-gr., massive; locally pegmatitic; highly irregular & showing no obvious x-cutting relationship; locally highly chloritic; locally biotitic; odd qtz-carb. stringers; odd epidotization. Pyrite, odd pyrrhotite At 78', a thin (1/16") irregular chalco stringer. 143-174; 192--235; 241-242: Interspersed with fine feldspar microlites; perhaps microdioritic but shows no clear-cut contacts. Chalco small at 151'. Sphalerite specks associated with carb. stringers at 210.5 and 215.5. Sphalerite specks at 212, 236.6, 281.5. Dacite band; brownish grey, fine-gr. to aphanitic, massive & 245-250; & unknown 252-253.5, & 45°. Pyrite	Tr.												
285.7	322	Dacite, greyish green, fine-gr., to aphanitic, massive to brecciated, variable; locally epidotized; locally hematitized; odd qtz-carb. stringers; locally fragmental.	Tr.												

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM-

Ministère des Richesses Naturelles, Québec
SERVICE DES CITES MINÉRAUX
No GM-

MINE	REMARKS	LEVEL	LOCATION

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. NE-12
LENGTH
SHEET NO. 2
LOGGED BY F.D.

[illegible]

FORM 1668 SM-B-53

DIAMOND DRILL RECORD

COMPLETED

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. 10-12
LENGTH
SHEET NO. 3
LOGGED BY F.D.

FORM 166A 5M-8-53

DIAMOND DRILL RECORD

MINE

EAST SULLIVAN MINES LIMITED

REMARKS

LEVEL

LOCATION

DRILL SIZE

CORE SIZE

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE

DEPARTURE

ELEVATION

AZIMUTH

DIP

HOLE NO. ME-12

LENGTH

FEET

SHEET NO. 4

LOGGED BY F.E.

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.		% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
427.9	440.3	Dacite, as described from 363 to 384.7 Pyrite, odd sphalerite	Tr.														
440.3	527	Andesite, as described from 384.7 to 399.5; local hematitic carb. stringers Pyrite, sphalerite smells, chalco smells, odd pyrrhotite															
	527	End of hole.															

MINE	EAST SULLIVAN MINES LIMITED
REMARKS	Lamarche-Sinclair Option. Mattagami Lake. Reference: St. Pierre's geophysical map.

LEVEL	DRILL SIZE
LOCATION	Isle-Dieu Twp. CORE SIZE Ex Fournier Diamond Drill.

COMMENCED Sep. 13 57
COMPLETED Sep. 18 57

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE P 24 + 75 S
DEPARTURE L 33 + 00 W
ELEVATION
AZIMUTH South
DIP 50°

HOLE NO. M.E. 13
LENGTH 461.2 FEET
SHEET NO. 1
LOGGED BY F. Dompiere.

[illegible]

FORM 166B SM-B-53

DIAMOND DRILL RECORD

MINE
 REMARKS
 LEVEL
 LOCATION

DRILL SIZE	COMMENCED
CORE SIZE	COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

M.E. 13
 HOLE NO.
 LENGTH
 SHEET NO.
 2
 LOGGED BY F.D.

[illegible]

FORM 166B 5M-8-53

DIAMOND DRILL RECORD

MINE
REMARKS
LEVEL
LOCATION

COMMENCED

COMPLETED

FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. M.E. 13

LENGTH	FEET
--------	------

SHEET NO. 3

LOGGED BY F.D.

[illegible]

FORM 166B 5M-B-53

DIAMOND DRILL RECORD

MINE EAST SULLIVAN MINES LIMITED
Lamarche-Sinclair Option. Mattagami Lake.

REMARKS Reference: St. Pierre's geophysical map.

LEVEL DRILL SIZE

COMMENCED Sep. 20 57

LOCATION Isle-Mieu twp. Ex
Fournier Diamond Drill.

COMPLETED Sep. 23 57

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE P 25 + 50 S

DEPARTURE L 42 + 00 W

ELEVATION

AZIMUTH South

DIP 50°

HOLE NO. M.E. 14

LENGTH 514

SHEET NO. 1

LOGGED BY F. Dompierre

FEET

FOOTAGE		DESCRIPTION	% SUL- PHIDES	SAMPLE				ASSAYS					AVERAGES				
FROM	TO			FOOTAGE			NUMBER	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	% Ni	% Cu.	% Zn.	OZ./TON Au.	OZ./TON Ag.	
				FROM	TO	TOTAL											
0	48	Casing.															
48	376	Andesite, dark green, fine-gr., massive to slightly brecciated; odd qtz-carb. stringers; odd chlorite stringers; locally interspersed with a brownish mica; odd hematitic qtz string. odd epidotized fractures; odd qtz modules. 78-82: highly brecciated, the interstices between fragments filled with (5-20%) calcite and hematitic qtz. 78-80: Sphalerite..... 3% 80-82: sphalerite..... Tr. 92.5-99: highly brecciated, the interstices between fragments filled with calcite & hematitic qtz (10-50%) Sphalerite, galena..... Tr. 101.2: numerous chalco & sphalerite specks..... 101.7: numerous chalco specks in a low angle (20°) 1/4" qtz stringer At 226.5, sphalerite specks associated with an irregular calcite stringer. Chalco specks at 268.6 Sphalerite specks at 271.															
			78	80	2	8739	2	.50	T	.5							
			80	82	2	40	2	2	T	T							
			92.5	95.5	3	8741	2	2	T	T							
			95.5	99.0	3.5	42	2	2	T	T							
			100	102	2	8743	.02	1	T	T	2						

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE	COMMENCED
CORE SIZE	COMPLETED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. **M.E. 14**

LENGTH _____ FEET

SHEET NO. **2**

LOGGED BY **F.D.**

[illegible]

FROM 166B 54-8-53

DIAMOND DRILL RECORD

MINE	EAST SULLIVAN MINES LIMITED
REMARKS	Sinclair-Lamarche Option.

DRILL SIZE

COMPLETED Sept. 29, 57

Fournier Diamond Drill, Vald'Or.

DEPARTURE L 42 + 00 W

AZIMUTH S 10° E

DIF -50°

LENGTH 487.5

LOGGED BY F. Dompierre

[illegible][illegible]

FORM 166B 5M-B-53

DIAMOND DRILL RECORD

MINE
REMARKS
LEVEL
LOCATION

DRILL SIZE	COMMENCED
CORE SIZE	COMPLETED

[illegible]

LATITUDE
DEPARTURE
ELEVATION
AZIMUTH
DIP

HOLE NO. ME: 15
LENGTH FEET
SHEET NO. 2
LOGGED BY F. Dompierre.

[illegible]

FORM 1669 5M-B-53

DIAMOND DRILL RECORD