GM 01395

TROU DE SONDE A DIAMANT

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Québec

PROVINCIAL MINE SCHOOL

DUBUISSON TWP.

by P.E. Auger Oct.28,1951.

GM-1395

ORE RESERVES AND GRADE REPORT.
D.D.H.# M-1 to M-21 and S-1 to S-6.
4 plans of vein 309-409 at 1" to 20'

Note for Mr. Dufresne.

R F
E N F
H E A
T H T
ALL FILED IN O.T.S.

114.29 Mine-Ecole Provinciale

TROU DE SONDE À DIAMANT No M. - I.

RTX - Provincial Mine School.

FEUILLE No

Localisation : Lat. 5765.46
Dep. 4769.05

220 Drift West

Élévation de la Margelle 4754.45

Point de Repère

Direction au Départ : Direction S 57 deg. 12 E.
Inclinaison - 45 deg.

Commencé Feb. 28 1940.

Complété March 12

Profondeur atteinte 193

Profondeur projetée

Dubuisson Twp

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0	6	6					Casing.	Andesite sheared	100	
			6	25	19					Highly sheared Talcose Andesite. Fine grained. Occasional narrow Calc. stringers Few specks Pyrite.			
			7	7.9	0.9					Calcite and Quartz with horses of Andesite.	Andesite massive	93	
			10.2	10.3	0.1					Calcite.		193	
			11.5	11.7	0.2					Calcite stringers.			
			18.0	18.5.	0.5					Calcite and Quartz. Few specks Pyrite.			
			25	47	22					Highly sheared Talcose Andesite. Fine grained Few specks Pyrite. Chloritic.			
			47	50	3					Sheared altered Andesite. Numerous calcite stringers. Medium grained. Chloritic.			
			36.4	37.6	1.2					Lost core.			
			41.1	42.3	1.2					Lost core.			
			50	75	25					Slightly sheared altered Andesite. Medium grained. Chloritic. Numerous narrow stringers.			
			58.5							1/2 " Quartz stringer with few specks Pyrite			
			75	100	25					Slightly sheared Andesite. Medium grained Chloritic Bands. Fairly numerous fine Calcite stringers. Few specks Pyrite.			
			100	125	25					Andesite medium grained. Chloritic Bands. Few narrow Calcite stringers. Few specks Pyrite.			
			125	135	10					Andesite medium grained. Slightly mineralised with Pyrrhotite			
			133.5	135	1.5					Andesite coarse grained			
			135	148						Flow contact?			
			148										

QUEBEC DEPARTMENT OF MINES

MINERAL DEPOSITS BRANCH

No G.M. 1395

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-1

FEUILLE No _____

Localisation : Lat. _____ Dep. _____ 220 Drift W.

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____ Inclinaison -45 deg.

Commencé February 28 1940

Complété March 12

Profondeur atteinte 193

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	TROU DE SONDE NO — SECTIONS COMMERCIALES
			148	150						Andesite. Fine grained.			
			150	158.9						Andesite Fine grained. Some chloritic Bands.			
			158.9	161						Andesite? Coarvse Grained. Dark in colour. (Possibly dyke)			
			161-175							Andesite fine grained. Some chloritic Bands.			
			175	193						Andesite fine grained. Some chloritic Bands.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-2

FEUILLE No

Localisation : Lat. 45 31 18
Dep. 44 93.26

205 A drift

Élévation de la Margelle 4755.55

Point de Repère

Direction au Départ : Direction S. 31 deg 37 W.
Inclinaison 0 deg.

Commencé March 13

Complété March 20

Profondeur atteinte 195

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	8.4	8.4					Andesite. Medium grained. Few fine stringers Calcite.
			8.4	9.3	0.9	3953		$0.35		Quartz slihtly mineralised with Pyrite.
			9.3	14.3	5.0					Andesite fine grained. Few fine stringers of Quartz.
			14.3	15.5	1.2					Silicified Andesite
			15.5	17.8	2.3					Andesite fine grained. Some Quartz stringers and Lenses.
			17.8	18.2	0.4	3954		0.64		Chiefly Quartz with Andesite inclusions. Fairly well mineralised with Pyrite and and Pyrrohotite
			18.2	25	6.8					Andesite medium grained. Few narrow stringers of Quartz.
			25	26.3	1.3					Andesite medium grained.
			26.3	26.9	0.6	3955		0.10		Andesite. 10% Quartz. Some fine stringers Ca lcite. Light pyrite mineralization
			26.9	27.5	0.6					Qtz. Lightly mineralised with pyrite and pyrrohotite.
			27.5	50.0	22.5					Andesite. Medium to fine grained.
			50.	59	9.0					Andesite. Fine grained. Some chloritic bands. A few fine stringers of Ca. and Qtz. Some specks of pyrite.
			59	75	16					Andesite. Medium grained. A few fine stringers of Qtz and Ca.
			75	95	20					Andesite. Medium to fine grained. Few narrow stringers. Qtz and Ca.

SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	131.3	
		119.2 -125.5
Acid Breccia	63.7	
	195.	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-2

FEUILLE No _____

Localisation : Lat. _____ 205 A Drift
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé March 13

Complété 20

Profondeur atteinte 125

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			95	98.1	3.1					Andesite. Medium grained. Amygdaloidal. Lighter green in colour. Some fine stringers of Calcite.			
			98.1	100	1.9					Andesite. Medium to fine grained.			
			100	107.4	7.4					Andesite. Medium grained. Lighter green in colour. Amygdaloidal. Some fine stringers of Ca.			
			107.4	119.2	11.8					Andesite. Fine grained. Amygdaloidal. Some fine stringers of Ca. and Qtz.			
			119.2	120.2	1.0	3951		$60.62		50% Quartz (bluish) in Andesite. Some Pyrite and Pyrrohotite. Few specks of Chalcopyrite.			
			120.2	122.4	1.5					Andesite with numerous fine stringers of Quartz. Fairly well mineralised with pyrite and pyrrohotite.			
			121.7	122.4	0.7	3952		$55.25		Quartz (bluish) some pyrite and pyrrohotite			
			122.4	125	2.6					Quartz stringers (about 20% of core) in Andesite. Fairly well mineralised with pyrrohotite and Pyrite. The former predominating. Some Chalcopyrite.			
			125	128	3.0	3956		0.0		Andesite. Chloritic. Fine grained Sheared. Numerous fine stringers of Quartz. Slightly mineralised with pyrite and pyrrohotite.			
			128	131.3	3.3	3957		0.0					
			131.3	147	3.3					Acid Lava. Light green in colour. Porphobitic. Fine to medium grained. A few fine stringers of Calcite.			
			147	147.9	0.9					Acid lava. With bands of chloritic materials. Brecciated. Some fine stringers of Quartz.			

Foré par _____

Ingénieur dirigeant _____

114.29

TROU DE SONDE A DIAMANT No M-2

FEUILLE No

Localisation : Lat. ..... Dep. ..... 205 A DRIFT

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction ..... Inclinaison .....

Commencé March 13

Complété March 20

Profondeur atteinte 195

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			147.9	150.	2.1					Acid lava. Light green in colour. Medium to fine grained. Porphoritic.			
			150.	153.8	3.8					----------ditto----------			
			153.8	175	21.2					Breccia. Light in colour. Fragments are frequently large (1 to 3) irregularly shaped pieces of Quartz. Some Chloritic material.			
			175	195	20					----------ditto----------			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE À DIAMANT No M-3

FEUILLE No _____

Localisation : Lat. 4602.61
Dep. 4974.49
209 DRIFT

Élévation de la Margelle 4753.95

Point de Repère

Direction au Départ : Direction 57 deg.30' Est.
Inclinaison 0 deg.

Commencé March 23th 1940

Complété April 6th

Profondeur atteinte 150

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	ANALYSE @ $35.00 CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	TROU DE SONDE NO. SECTIONS COMMERCIALES
			0	19.7	19.7					Andesite. Fine to medium grained. A few narrow Quartz. Stringers. Some specks of Pyrite.			
			19.7	21.2	1.5	3958	~~0.38~~	$0.38		Zone of Quartz. Stringers in Andesite. Two stringers are 1" in width, remainder narrower. Stringers form 20% of core. They are fairly well mineralised with pyrrohotite and Pyrite. Dip 45deg.			
			21.2	25	3.8					Andesite. Medium grained.			
			25	29.3	4.3					Andesite. Medium grained. 1" Calcite mineralised with Pyrite at 26.6'			
			29.3	31.2	1.9					Andesite coarse grained. Dyke?			
			31.2	38.3	7.1					Andesite. Fine to medium grained.			
			38.3	40	1.8		~~$1.40~~	1.40		Andesite. Slightly sheared and cut by numerous fine Calcite stringers. A few Qrtz. Stringers. Some pyrrhotite and Pyrite.			
			40.1	40.6	0.5	3960	~~0.50~~	0.59		White Quartz. 1/2" lens of massive Pyrrhotite with a little Chalcopyrite and Magnetite.			
			40.6	50.0	9.4					Andesite. Medium grained.			
			50.0	57.1	7.1					" " " 1/2" Quartz. at 51.7			
			51.1	57.4	6.3					Narrow Quartz. Stringers in Andesite. Fairly well mineralised with Pyrrhotite.			
			57.4	61.1	3.7					Andesite. Medium grained.			
			61.1	75.0	13.9					Andesite. Medium to coarse grained.			
			75	98.4	23.4					Andesite.			
			98.4	100	1.6					Lost core. (chopped)			
			100	103	3.0					Andesite. Medium grained.			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-3

FEUILLE NO _____

Localisation : Lat. _____ Dep. _____ 208 Drift.

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____ Inclinaison _____

Commencé March 23th I940

Complété April 6th.

Profondeur atteinte 150

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			103	118	15.0					Medium to fine Grained. Andesite.			
			118	118.5	0.5					Quartz white.			
			118.5	119.2	0.7	39611		trace		Quartz stringers (about 50% of core) in Andesite well mineralised with Pyrite and Pyrrhotite.			
			119.2	121.0	1.8					Andesite cut by fairly numerous fine stringers of Calcite and Quartz.			
			121.	123.3	2.3					Andesite medium grained. Few narrow stringers of Calcite.			
			123.3	128.4	5.1	3962		1.29		Andesite weakly sheared cut by fairly numerous fine stringers of Calcite. Some Quartz stringers. Lightly mineralised with Pyrite.			
			128.4	135	6.6					Andesite. Fine to medium grained.			
			135.	145.3	10.3					Andesite. Fine grained. Few narrow stringers Quartz.			
			145.3	146.6	1.3					Andesite. Fine grained. Weakly sheared. Narrow stringers of Quartz. Some Pyrrhotite and Pyrite. Quartz 10% of core.			
			146.6	147.7	1.1					Lost core.			
			147.7	147.2	1.5					Andesite. Fine grained. Weakly sheared. Narrow stringers of Quartz (5% of core) Some Pyrite and Pyrrhotite.			
			149.2	150	0.8					Andesite. Fine grained.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-3

FEUILLE No

Localisation : Lat. ..... Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction ..... Inclinaison .....

Commencé ..... Extension. Dec. 20th 1940

Complété ..... Jan. 15th 1941

Profondeur atteinte ..... 409.0'

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			155.0	175.5	20.5					Andesite, fine to medium grained. Massive but fractured, making it difficult to make core. 155.4-156.1, 157.3-158.8, 160.4-160.8, 161.6-162.1, 162.6-164.4, 166.1-168.6 170.0-171.4, Lost core.	Andesite	60.6	
											Breccia	142.2	
											Andesite sheared	51.2	
			175.5	176.2	0.7	3991		$0.35		Chiefly Calcite and Quartz. Some fine Pyrite.			
			176.2	195.5	19.3					Andesite, fine to medium grained. Fairly numerous Calcite stringers. Well fractured.			
			195.5	202.8	7.3					Andesite, fine grained and massive. Amygdaloidal.			
			202.8	204.3	1.5	3992		0.07		Chiefly Calcite and Quartz lightly mineralised with fine Pyrite.			
			204.3	215.6	11.3					Andesite, fine grained and massive.			
			215.6	226.5	10.9					Volcanic Breccia, porphrytic, very similar to Syenite Porphry. Splash of Pyrrhotite at 218.4			
			226.5	333.5	107.0					Volcanic Breccia, porphrytic in places. Weakly sheared.			
			333.5	334.5	1.0					Syenite? Porphry.			
			334.5	357.8	23.3					Volcanic Breccia. Fairly well sheared. Some specks of Chalcopyrite, Pyrrhotite and Pyrite.			
			357.8	409.0	51.2					Andesite. Fine grained, well sheared and soft. Fairly numerous Calcite and some Quartz stringers. Few specks of Pyrite. 407.0-409.0 highly fractured.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE À DIAMANT No M-4

FEUILLE No

Localisation : Lat. 4618.44
Dep. 4460.68

205 A Drift.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N.-48deg 02 W.
Inclinaison 0 deg.

Commencé April 9th 1940

Complété May 6th

Profondeur atteinte 325

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE @ $ 35.00 BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	9.2	9.2					Andesite. Medium grained. Some fine stringers of Calcite. ½" Quartz veinlets at: 1.2', 2.4', 3.3'
			9.2	14.3	5.1	3963		$1.36		Chiefly bluish. Quartz with horses of Andesite. Fairly well mineralised with Pyrrohotite and Pyrite. Some specks of Chalcopyrite.
			14.3	25 .	10.7					Andesite, Medium grained. Some narrow stringers of Quartz. 15.8-16.1 Silicified.
			25	30	5					Andesite. Fine to medium grained.
			30.	36.	6					Andesite. Medium grained. ½" Quartz at 30.3'
			36	50.	14.					Andesite. Medium to coarse grained. 1" Quartz at 38.9'
			50	52.4	2.4					Andesite. Medium grained.
			52.4	62.5	10.1					Andesite. Fine grained. Weakly sheared. ½" Quartz. Some Pyrite and Pyrrhotite. 54.6' 2" " " " " 56.6 ½" " " " " 53.6 ½" " " " " 61.4 Breccia? 57.4 - 58.1

SECTION GÉOLOGIE	TROU DE SONDE No M-4 LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	395	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-4

FEUILLE NO _____

Localisation : Lat. _____ Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____ Inclinaison _____

205 A Drift.

Commencé April 9th 1940

Complété May 6th

Profondeur atteinte 395.

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			62.5	69.1	8.6					Andesite. Medium to coarse grained. ¼" Qtz at 63.2			
			69.1	75.	5.9					Andesite . Fine to medium grained. Some well developed Actinolite crystals.			
			75.	100	25					Andesite. Fine to medium grained. Few narrow stringers of Calcite. Actinolite crystals well developed.			
			100	112.5	12.5					---------- do ------			
			112.5	115.	2.5					Andesite. Medium grained.			
			115.	119.7	4.7					Andesite. Coarse grained.			
			119.7	121.7	2.0					,, Fine to medium grained.			
			121.7	125.	3.3					,, Coarse grained.			
			125.5	138.2	2.7	3964		$2.03		Quartz (dark) veins and stringers and silicified Andesite. Fairly well mineralised with Pyrrhotite and Pyrite. Quartz form about 30% of core.			
			138.2	144.1	5.9					Andesite. Medium grained.			
			144.1	144.5	0.5	3965		$4.58		Chiefly Dark Quartz fairly well mineralised with Pyrite and Pyrrhotite			

Foré par _____

Ingénieur dirigeant. _____

114.29

TROU DE SONDE A DIAMANT No M-4

FEUILLE NO _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

Point de Repère 205 A Drift.

Direction au Départ : Direction _____
Inclinaison _____

Commencé April 9th 1940

Complété May 6th

Profondeur atteinte 395

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			144.5	150	5.5					Andesite. Medium grained. ½" Quartz at 147.5			
			150	155	5.					Andesite. Medium to coarse grained.			
			155.	156.4	1.4					,, Coarse grained.			
			156.4	168.	11.6					Andesite. Coarse grained.			
			168.	174	6.					,, Coarse to medium grained carbonated, especially 172-172.8 which is of greenish cast.			
			174	175	1.0					Andesite. Medium grained.			
			175	186	11					Andesite. Medium to coarse grained 1" Calcite at 195.5			
			186	194.6	8.6					Andesite. Medium grained.			
			194.6	200	5.4					,, Fine to medium grained. Some chloritic bands.			
			200	211.5	11.5					Andesite. Fine to medium grained. Few narrow stringers of Calcite.			
			211.5	211.9	0.4					Chiefly Calcite. Some Quartz. Pyrrhotite. Some specks of Chalcopyrite			
			211.9	225	13.1					Andesite. Medium grained. Few narrow stringers of Calcite.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-4

FEUILLE No _____

Localisation : Lat. _____ 205 A Drift
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé April 9th 1940

Complété May 6th

Profondeur atteinte 395

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	$ ANALYSE $35.00 BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			225	243.5	18.5					Andesite. Medium grained. ½" Quartz vein at 242.3 with some Pyrite.
			243.5	247.2	3.7					Coarse grained Andesite.
			247.2	250.	2.8					Andesite. Med. grained. ¼" Quartz and some Pyrite at 249.
			250	275	25					Andesite. Medium to coarse grained. Few narrow stringers of Calcite.
			275	290	15					Andesite ------ do -------
			290	350	10					,, Medium grained.
			300	311.5	11.5					,, Medium to coarse grained.
			311.5	323.6	12.1					,, Medium grained. Core much broken but massive. 321.8 323.6
			323.6	325.	1.4					Andesite. Fine grained.
			325	332.8	7.8					Andesite. Fine to medium. 1" Calcite at 332.8
			332.8	342.8	10.					Andesite. Medium grained. Few Calcite stringers ½ to ½ widt
			342.8	350	7.2					Andesite. Coarse grained.

SECTION GÉOLOGIE	TROU DE SONDE NO. _____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES

Foré par _____

_____
Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-4

FEUILLE No _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

205 A Drift.

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé April 9th 1940

Complété May 6th.

Profondeur atteinte 395.

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			350	368.8	18.8					Andesite. Coarse grained. Few fine stringers of Calcite.
			368.8	373.	1.2					Andesite. Medium grained.
			370.	375.6	3.6					Andesite. Fine grained. ¼" Calcite stringers at 370.9 ' and 371.3'
			373.6	376	2.4					Andesite. Medium grained.
			376	380	4.4					Andesite. Coarse grained. Some fine stringers of Calcite.
			380.4	380.8	0.4					Calcite.
			380.8	352.2	4.4					Andesite. Medium to coarse grained.
			385.2	393.2	0.6	3967				Silicified Andesite. Fairly well mineralised with Pyrite.
			393.9	395.	1.1					Andesite. Fine grained. Sheared. Core broken up.

SECTION	TROU DE SONDE NO _____	
GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-5

FEUILLE No

Localisation : Lat. ..... Dep. .....

Élévation de la Margelle .....

Point de Repère ..... 214 Cross-cut.

Direction au Départ : Direction ..... Inclinaison 0 deg.

Commencé May 8th 1940

Complété May 15 th

Profondeur atteinte 144

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0	22.7	22.7					Andesite. Fine grained. Weakly sheared. Dark chloritic bands. Some fine stringers of Calcite.	Andesite	37.4	
											Acid Breccia	65.9	
			22.7	23.4	0.7	3969		0.73		Chiefly Quartz. Fairly well mineralised with fine Pyrite. Andesite. Fine grained. Sheared.	Andesite	40.7	
			23.4	23.9	0.5							144.0	
			22.9	24.3	0.4	3970		1.50		Andesite fairly well mineralised with fine Pyrite and some Pyrrohotite. Some Quartz stringers.			
			24.3	25.	0.7					Andesite. Fine grained. Sheared. With chloritic bands. Fairly numerous fine stringers of Calcite. Carbonated.			
			25.	37.4	12.4					---------- ditto ----------			
			37.4	39.2	1.8					Breccia. Light in colour. Much more acid than Andesite.			
			39.2	39.8	0.6	3968		1.12		Quartz, chiefly, with some Pyrite, fine. Breccia. Light in colour. Fragments large and silicified. Some narrow stringers of Quratz.			
			50.	100	50					Breacia. A cid. A few small inclusions of dark chloritic material. 61.-65'. Weakly sheared. 87.6.-87.9 Quartz. Heavy flow of water struck at 65'			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-5

FEUILLE NO _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____ 214 Cross-cut

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé May 8th 1940

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			100	103.3	3.3					Breccia. Acid. Last foot sheared and broken up.			
			103.3	108.8	5.5					Andesite. Fine grained. Sheared.			
			108.8	108.9	0.1					Quartz.			
			108.9	125	16.1					Andesite. Highly sheared. Carbonated. Numerous fine stringers of Calcite.			
			125	144.	19.					Andesite. Highly sheared. Carbonated. Numerous fine stringers of Calcite. Some narrow Qtz veinlets.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-6

FEUILLE No

Localisation : Lat. 6359.20
Dep. 5493.26

207 x-cut.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N 70 deg 49' W
Inclinaison 0 deg.

Commencé May 21th 1940

Complété June 19 1940

Profondeur atteinte 500

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	18.	18.					Andesite? Porphyry. Small phenocryats in fine groundmass.
										½ Qtz stringer at 7.5'
										½ .. .. 8.9'
										½ .. .. 12.1'
			18.	22.	4.					Andesite. Fine grained.
			22.	25.	5.					Andesite? Porphyry. Fine grained.
			25.	54.3	29.3					Andesite? Porphyry. Grain changing gradually from fine to coarse.
			54.3	60.	5.7					Andesite? Porphyry. Medium to fine grained.
			60.	60.9	0.9					Andesite? Fine grained.
			60.9	68.6	7.7					Andesite? Porphyry. Medium to coarse grained. Altered with greenish cast.
			68.6	75.	6.4.					Andesite? Coarse grained.
			75.	100	25.					Andesite? Coarse to medium grained. Light greenish alteration in places.
			100	125	25					Andesite? Coarse to medium grained. Light greenish alteration in places. Porphyritic
										½ Calcite stringer at 105.2
										,, ,, 117.6'

SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite often Porphyritic	391.7	
Diorite? Porphyry	11.5	
Breccia	28.7	
Andesite	68.1	
	500.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M- 6

FEUILLE NO _____

Localisation : Lat. _____ 207 x-cut.
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé May 21th 1940.

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO ____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			125.	127.8	2.8					Andesite. Medium grained. Porphyritic.			
			127.8	148.5	20.7					Andesite. Fine grained. Hard.			
			148.5	150.	1.5					Porphyry. Fine grained.			
			150.	175	25.					Porphyry. Medium grained. A few calcite stringers ½ to ½ wide Porphyry. Grain changing from medium to fine at 188.5'			
			188.5	200.	11.5					~~Porphyry. Fine to medium grained. Somewhat lighter in colour than previous section, but same dyke. Grain is coarse at 203'.~~			
			200.	209.4	9.4					Porphyry. Medium to fine grained. Some narrow calcite stringers. ½ ' Qtz vein at 202' Net work of Calcite stringers 2050 - 2054			
			209.4	212.7	3.3					~~Andesite. Fine grained. Quartz and Calcite filling 211.3 - 211.5 Andesite.~~			
			212.7	223.3	15.6					Porphyry. Medium grained. Some narrow stringers of Calcite and Quartz.			
			223.3	232.4	4.1					Andesite. Medium grained. Few narrow stringers of Calcite and Quartz.			
			232.4	232.9	0.5					Andesite. Medium grained. Altered to lighter greenish colour.			
			232.9	250.	17.1					~~Andesite. Grain becoming coarser. In places there is alteration to light greenish colour.~~ ½" Quratz vein at 241.8'			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-6

FEUILLE NO _____

Localisation : Lat. _____
Dep. _____

207 x-cut.

Commencé _____

Élévation de la Margelle _____

Complété _____

Point de Repère _____

Profondeur atteinte _____

Direction au Départ : Direction _____
Inclinaison _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			250	252.	2.0					Andesite Porphyry. Medium grained. ¼ Qtz vein at 250.1			
			252.	253.2	1.2					Andesite. Fine grained. Soft. Sheared. Chloritised?			
			253.2	253.7	0.5					Andesite. Fine grained. Silicified. Light in colour.			
			253.7	255.	1.3					Andesite. Soft. Sheared. Chloritised? ¼ Qtz vein at 254.7!			
			255	275	20.					Andesite. Porphyry. Medium grained and becoming fine at 275!.			
			275	300.	25.					Andesite Porphyry. Changing from fine to medium grain at 300!. Some narrow Calcite and Qtz. stringers. 1" of Quartz and Calcite at 278.4!. Quartz and Calcite stringers mineralised with Pyrite. 279.7! -280.5 Calcite and Qtz stringers 280.1!-280.3!			
			300.	316.5	16.5					Andesite. Medium grained. Some narrow stringers of Calcite. ½" Qtz vein at 307.7! Calcite stringers 310.6! - 310.8!			
			316.5	321.4	4.9					Andesite. Fine grained. Weakly sheared. Some fine stringers of Calcite and Quartz. ½ " of Calcite and Quartz at 317.2!			
			321.4	325.	3.6					Andesite Porphyry. Medium to fine grained.			
			325.	350	25.					Andesite Porphyry. Medium to fine grained. 345 - 350 somewhat coarser. Fairly numerous fine calcite stringers. Few Qt. stringers.			
			350.	360	10.					Andesite Porphyry. Changing from medium to fine grained at 360!. ½" Calcite stringers at 350.1!, 350.4, 358.3!.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-6

FEUILLE No

Localisation : Lat. / Dep.

207 x-cut.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction / Inclinaison

Commencé

Complété

Profondeur atteinte

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			360.	375.	15.					Andesite. Fine to medium grained baconing porpyritic at 375'. Fine Calcite stringers are fairly numerous.			
			375.	378.	3.					Andesite porphyry. Slightly sheared. Medium grained.			
			378.	378.6	0.6					Andesite. Fine grained. Slightly sheared chloritic.			
			378.6	389.5	10.9					Andesite Porphyry. Medium grained. A few fine stringers of Calcite.			
			389.5	391.7	2.2					Andesite. Fine grained. Numerous fine stringers of Calcite.			
			391.7	403.2	11.5					Dionite? Porphyry. Black phenocrysts in light ground-mass. Fine to medium grained. Sparse pyrite mineralisation.			
			403.2	431.9	28.7					Breccia with spherulites.			
			431.9	432.	0.1					Quartz. White.			
			432.	438.4	5.4					Andesite. Fine to medium grained. Slightly sheared and carbonated.			
			438.4	439.7	1.3					Calcite stringers (60% of core) in sheared Andesite.			
			439.7	440.4	0.7					Quartz (40% of core) in sheared Andesite.			
			440.4	450.9	1015.					Andesite. Fine to medium grained. Sheared and altered. Some coarse Pyrite mineralization (cubes), stringers of Cal. and Qtz.			
			450.9	463.3	12.4					Andesite. Fine grained. Sheared. Numerous fine stringers of Calcite. A few Qtz stringers.			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-6

FEUILLE NO _____

Localisation : Lat. _____ 207 x-cut.
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO M-6 LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			463.3	467.6	4.3					Andesite. Medium grained. Porphyritic. Change to Porphyry is gradual. Weakly sheared.			
			467.6	475.	7.4					Andesite. Medium grained. Porphyritic. Change to Porphyry is gradual. Weakly sheared.			
			475	485.4	10.4					Andesite. Sheared. Grain changes from medium to fine. Numerous Calcite stringers.			
			485.4	488.	2.6					Lost core.			
			488.	489.7	1.7					Andesite. Soft and sheared. Fine grained. Altered to light, grey colour. 1" Qtz at 489.6'.			
			489.7	500	10.3					Andesite. Medium grained. Weakly sheared but becoming more massive. Few stringers stringers of Calcite. 1" Quartz at 492.3'.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-7

FEUILLE No

Localisation : Lat. 5832.07 N
Dep. 5562.65 E
207 CROSS-CUT

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N 73° 36' W
Inclinaison 0

Commencé Oct.14th,1940
Complété Nov.15th "
Profondeur atteinte 501 ft.
Profondeur projetée 500 "

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE &$35.00 BOUE	CAROTTE	ANALYSE COMBINÉS	REMARQUES (JOURNAL)
	0.0		0.0	58.0	58.0					Diorite,medium grained.
			58.0	60.0	2.0					Andesite,fine grained and altered. Some narrow stringers of Ca. and clusters of Pyrite crystals.
			60.0	75.0	15.0					Diorite,medium grained.
			75.0	83.9	8.9					Andesite,fine grained. Numerous Ca. stringers. Minor amount of Pyrite.
			83.9	138.0	54.1					Diorite,medium grained. Nearing contact grain becomes finer and Porphrytic.
			138.0	149.0	11.0					Andesite, fine grained and sheared. Some Ca.Strs.
			149.0	151.4	2.4					Diorite.Grain fairly fine.
			151.4	219.8	68.4					Andesite.Fine grained,hard and massive. Amygdaloidal.
			219.8	221.4	1.6	3983	$0.17			Andesite,fine grained. Mineralised with Pyrrhotite and some Pyrite.Qtz.and Ca. Strs .
			221.4	229.5	8.1					Diorite,medium grained.
			229.5	255.0	25.5					Andesite,fine grained and massive. Amygdaloidal
			255.0	344.5	89.5					Andesite,fine grained and massive. Some Pyrite. Somewhat coarser at 300'.
			344.5	359.8	15.3					Syenite Porphry. Coarse phenocrysts with fine ground mass.
			359.8	442.2	82.4					Syenite Porphry. Coarser ground mass.
			442.2	475.7	33.5					Andesite,fine grained.Amygdaloidal. 473.0-473.2' Andesite Porphry.

SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Diorite	58.0	
Andesite	2.0	
Diorite	15.0	
Andesite	8.9	
Diorite	54.1	
Andesite, sheared	11.6	
Diorite	2.4	
Andesite	70.0	
Diorite	8.1	
Andesite	115.0	
Syenite Porphry	97.7	
Andesite	33.5	
Andesite Porphry	3.6	
Andesite	3.0	
Andesite Porphry	6.6	
Andesite	12.1	
	501.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-7

FEUILLE NO _____

Localisation : Lat. _____ 207 CROSS-CUT.
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE ROUZ	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			475.7	479.3	3.6					Andesite Porphry.			
			479.3	482.3	3.0					Andesite,fine grained and massive.			
			482.3	488.9	6.6					Andesite Porphry.			
			488.9	501.0	12.1					Andesite,fine grained and massive.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE À DIAMANT No M-8

FEUILLE No

Localisation : La 5827.83 N. / Dep. 5377.50 E. — 207 CROSS-CUT

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 72° 46' E / Inclinaison 0°

Commencé Nov.18th,1940

Complété Nov.29th, "

Profondeur atteinte 295 ft.

Profondeur projetée 300 "

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	7.2	7.2					Diorite,medium grained.
			7.2	13.7	6.5					Andesite,fine grained and altered. Some narrow stringers of Quartz and Calcite.
			13.7	25.9	12.2					Diorite,medium grained.
			25.9	29.2	3.3					Andesite,medium to fine grained. A few narrow stringers of Calcite.
			29.2	30.8	1.6					Diorite.Porphrytic with fine ground mass.
			30.8	58.5	27.7					Andesite,grain changing from medium to fine. Calcite stringers are quite numerous with some Pyrite in stringers.
			58.5	71.9	13.4					Andesite, medium grained. Some Calcite and Quartz stringers.
			71.9	74.7	2.8					Andesite,fine grained and weakly sheared. Numerous fine Calcite stringers.
			74.7	83.9	9.2					Andesite,medium grained.Fairly numerous Calcite stringers.
			83.9	101.2	17.3					Diorite. Porphrytic with fine ground mass. Some coarse crystals of Pyrite.
			101.2	101.5	0.3					Chiefly Quartz and Calcite.
			101.5	247.2	145.7					Andesite,medium to coarse grained.Fairly numerous narrow Calcite and Quartz Stringers. ½" Ca. and Qtz. vein at 161.8'. 2" Ca. and Qtz. vein at 218.5'. 1" Qtz.vein at 229.8'
			247.2	251.6	4.4					Andesite,fine grained and amygdaloidal.
			251.6	257.0	5.4					Andesite,fine to med.grained.Weakly sheared.
			257.0	295.0	38.0					Andesite,medium to coarse grained. Few Ca. and Qtz. stringers.

SECTION GÉOLOGIE	TROU DE SONDE No M-8 LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Diorite	7.2	
Andesite	6.5	
Diorite	12.2	
Andesite	3.3	
Diorite	1.6	
Andesite	53.1	
Diorite	17.3	
Andesite	193.8	
	295.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE À DIAMANT No M-9

FEUILLE No

Localisation : Lat. 4702.18 / Dep. 4467.39 — 205 Drift West

Élévation de la Margelle

Point de Repère S 30° 31' W (Corrected by letter from G.I.Smart. Feb 15, 1941)

Direction au Départ : Direction S 66 35' W / Inclinaison -45

Commencé Nov. 27th. 1940

Complété Dec. 19th "

Profondeur atteinte 299.0

Profondeur projetée 300.0

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE at $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	1.7	1.7					Andesite. Fine grained and weakly sheared. Few fine stringers of Calcite.
			1.7	2.2	0.5					Silicified and altered Andesite, well mineralised with Pyrite. Alteration is brownish coloured.
			2.2	19.6	17.4					Andesite. Fine to medium grained. Some narrow stringers Calcite and Quartz. 12.7 - 13.0 Quartz and altered Andesite. Pyrite. 18.1 - 18.3 " " " "
			19.6	43.4	23.8					Andesite. Medium to coarse grained. A few narrow Qtz. and Ca. stringers. 1½" Qtz. at 31.0
			43.4	50.0	6.6					Andesite. Fine to coarse grained.
			50.0	67.2	7.2					Andesite. Medium grained, porphrytic in places. Some Calcite and Quartz stringers. 50.9 - 51.1 Quartz. 62.4-63.4 Chiefly Ca.
			67.2	75.0	7.8					Andesite. Fine to med. grained. Porphrytic.
			75.0	100.0	25.0					Andesite. Medium to coarse grained.
			100.0	144.5	44.5					Andesite. Medium grained. Few Ca. and Qtz. stringers. ½" Calcite vein min. with Pyrite at 106.1. 3" of Silicified material with some Pyrite at 106.6.
			144.5	145.5	1.0	3984		$1.54		6" of dark Quartz in sheared Andesite well mineralised with Pyrite
			145.5	150.0	4.5	3985		0.38		Andesite. Sheared with narrow strs. of Quartz forming about 5% of core. Lightly mineralised with Pyrite

SECTION — TROU DE SONDE NO

GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	144.5	
Andesite Sheared & mineralised	10.5	
Andesite	61.3	
Andesite sheared & mineralised	2.6	
Volcanic Breccia	80.1	
	299.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-9

FEUILLE No _____

Localisation : Lat. _____ 205 Drift West
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE at $35.00 BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			150.0	151.0	1.0	3986		$2.06		Quartz (dark) forming 60% of core in sheared carbonated Andesite.			
			151.0	153.5	2.5	3987		0.70		Andesite, sheared and carbonated. Fine grained. Numerous fine stringers of Calcite and Qtz. Lightly mineralised with fine Pyrite.			
			153.5	155.0	1.5	3988		1.79		Andesite, sheared and carbonated with Quartz veinlets up to 3" in width. Well min. with Pyrite			
			155.0	165.0	10.0					Andesite, sheared and carbonated. Some narrow strs. Ca. and Qtz. Not much Pyrite			
			165.0	191.5	26.5					Andesite fine grained and massive but well fractured making it difficult to make core. Grain coarser at 191.5. 170.0-170.8 Missing			
			191.5	192.5	1.0	3989		0.28		Andesite, medium grained, weakly sheared. Ca. and Qtz. strs. form 20% core. Some Pyrite.			
			192.5	209.0	16.5					Andesite, medium grained. Massive but fractured. 199.5-200.0 Missing. 201.0-209.0 Amygdaloidal.			
			209.0	216.3	7.3					Andesite. Fine to med. grained. Altered and sheared. Some narrow Ca and Qtz Strs. 1" Qtz. at 211.9'			
			216.3	218.9	2.6	3990		1.85		Andesite sheared and altered in places to brownish colour. Numerous Ca and Qtz strs. Whole fairly well min. with fine Pyrite. 217.3-217.6, 218.6-218.8 Dark Qtz.			
			218.9	299.0	80.1					Breccia. Acid and Volcanic. Some Pyrrhotite and Chalcopyrite at 223.8. Rock is generally Porphrytic. 287.3-288.2 Missing.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-10

FEUILLE No

Localisation : Lat. 4671.91 Dep. 4559,26 — 205 Drift West.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 26° 28' W Inclinaison -43° 16'

Commencé Jan.16th, 1941

Complété Feb.7th, 1941

Profondeur atteinte 306 '

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE $55.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	2.0	2.0					Casing
			2.0	64.0	62.0					Andesite,medium to coarse grained. ⅛" Qtz. vein at 37.2'. 12.8-14.8,48.0-49.7,missing. 3" Quartz mineralised with Pyrite at 59.0
			64.0	65.7	1.7					Andesite,fine grained.
			65.7	66.3	0.6	3993		$1.01		Chiefly quartz mineralised with Pyrite.
			66.3	69.1	2.8					Andesite,fine grained.Some narrow Quartz stringers.
			69.1	70.7	1.6	3994		0.59		Quartz and altered Andesite fairly well mineralised with Pyrite.
			70.7	76.5	5.8					Andesite,fine grained. Some narrow quartz stringers. 76.1-76.4 Quartz stringers in mineralised Andesite.
			76.5	90.0	13.5					Andesite,medium grained. Few narrow stringers calcite and quartz.
			90.0	93.5	3.5					Andesite,fine grained. Weakly sheared. Fairly numerous narrow calcite stringers.
			93.5	94.8	1.3	3995		0.21		Quartz and calcite stringers in Andesite lightly mineralised with Pyrite. Weakly sheared.
			94.8	116.0	21.2					Andesite,fine grained and weakly sheared. Few narrow stringers calcite and quartz.
			116.0	129.5	13.5					Andesite,medium to coarse grained.
			129.5	132.5	3.0					Andesite,fine grained,sheared. Minor amt.Pyrite.
			132.5	155.0	22.5					Andesite,medium grained. 146.5-147.5 lightly mineralised with pyrite.
			155.0	157.2	2.2					Andesite,weakly sheared,fine grained. Some Calcite stringers.
			157.2	157.6	0.4	3996		0.2.		Qtz.and Calcite.Some fine Pyrite.Brownish alteration.

SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	224.5	
Breccia	81.5	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-10

FEUILLE No

Localisation : Lat. 205 Drift West.
Dep.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction
Inclinaison

Commencé

Complété

Profondeur atteinte

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			157.6	171.0	13.4					Andesite, medium grained. 166.2-167.8 missing.			
			171.0	187.0	16.0					Andesite, fine grained, weakly sheared. Some narrow stringers Calcite.			
			187.0	204.0	17.0					Andesite, fine to medium grained. Massive.			
			204.0	205.5	1.5					Chopped core.			
			205.5	214.3	8.8					Andesite, fine grained, amygdaloidal.			
			214.3	215.5	1.2	3997		Trace		Calcite stringers in Andesite. Lightly mineralised with Pyrite.			
			215.5	217.8	2.3					Andesite, fine grained, amygdaloidal.			
			217.8	218.2	0.4	3998		$11.09		Quartz and calcite stringers in Andesite lightly mineralised with Pyrite.			
			218.2	224.5	6.3					Andesite, fine to medium grained. 223.5-224.5 missing.			
			224.5	241.2	16.7					Andesite? Breccia, weakly sheared. 236.5-237.2, 239-240, 240.5-241.7, missing.			
			241.2	246.2	5.0	3999		0.14		Andesite? Breccia, well sheared and altered. Lightly mineralised with Pyrite and Pyrrhotite. Carbonated.			
			246.2	250.0	3.8	2309		0.17		Breccia, well sheared and carbonated. Numerous Ca. strs. Some fine Pyrite. 248.7-249.2 missing.			
			250.0	255.0	5.0					Breccia, sheared and carbonated. ½" Quartz and some Pyrite at 251.4.			
			255.0	306.0	51.0					Breccia, more acid than 246-255. Weakly sheared except for 290-306 which is massive. A few splashes of Pyrrhotite. 302.2-302.5 Syenite Porphry?			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-11

FEUILLE No

Localisation : Lat. 4704.04 Dep. 4465.15 — 205 Drift West

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 60°50' W. Inclinaison 45°

Commencé February 11th, 1941

Complété March 8th, 1941

Profondeur atteinte 429'

Profondeur projetée

At $3500

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	3.0	3.0					Casing
			3.0	47.6	44.6					Medium grained Andesite. Some narrow strs. Qtz and Ca. 1" quartz mineralized with pyrite at B.6' 24.0-24.7. 20% quartz mineralized with pyrite. 26.7-28.1. 1" quartz vein cut obliquely by core. 37.2-37.9. 1" quartz vein cut obliquely by core. 39.3-39.7. Chiefly quartz.
			47.6	49.1	1.5	2310		$ 0.14		Chiefly quartz with some pyrite.
			49.1	75.0	25.9					Andesite, Medium to coarse grained. Some fine stringers of quartz and calcite
			75.0	138.0	63.0					Andesite, coarse grained. Some narrow strs of calcite and quartz.
			138.0	144.7	6.7					Andesite, medium grained
			144.7	146.3	1.6	2311		$ 7.70		Quartz forming 50% of core in altered Andesite. Fine grained weakly sheared. Lightly mineralized with pyrite.
			146.3	161.0	14.7					Andesite, medium to coarse grained.
			161.0	169.0	8.0					Andesite. Fine grained. Weakly sheared. Cut by fairly numerous calcite strs. Minor amount of pyrite.

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Casing	3.0	
Andesite	212.8	144.7-146.3
Andesite Sheared	16.2	
Andesite	139.8	
Breccia	57.2	
	429.0	

TROU DE SONDE NO

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-11

FEUILLE No _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE At $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			169.0	215.8	46.8					Andesite. Medium to coarse grained. Few narrow stringers of calcite.			
			215.8	217.3	1.5					Andesite. Fine grained. Weakly sheared. Some narrow stringers calcite.			
			217.3	219.0	1.7					Missing.			
			219.0	225.0	6.0	2312		$0.31		Andesite. Fine grained. Sheared. Narrow stringers of calcite and quartz fairly numerous. Minor amount of pyrite.			
			225.0	230.0	5.0	2313		Trace		- As above -			
			230.0	232.0	2.0					Andesite. Weakly sheared. Some calcite and quartz stringers.			
			232.0	250.0	18.0					Andesite. Fine grained. Massive and amygdaloidal.			
			250.0	275.0	25.0					Andesite. Fine to medium grained. Some narrow calcite stringers. 1" quartz and some pyrite at 257'. 252.9-253.8, 259.2-260.0 missing.			
			275.0	293.0	18.0					Andesite. Medium grained. 275.6-276.6 missing.			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-11

FEUILLE No _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE at $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			293.0	294.5	1.5					Andesite. Sheared. Some calcite stringers.
			294.5	335.0	40.5					Andesite. Medium grained. Few narrow calcite stringers. ½" qtz and calcite at 308'.
										326.5-327.0
										327.4-328.1 Missing.
										331.7-332.5
			335.0	368.0	13.0					Andesite. Fine grained. Amygdaloidal.
			368.0	370.3	2.3					Andesite. Fine grained and altered. Some fine stringers of calcite.
			370.3	371.8	1.5	2314		$0.49		Series of calcite and quartz stringers in altered sheared Andesite. Some pyrite.
			371.8	381.0	9.2					Breccia. Acid. Porphyritic.
			381.0	400.0	19.0					Breccia. Acid.
			400.0	429.0	29.0					Breccia. Acid. Generally porphyritic.

SECTION GÉOLOGIE	TROU DE SONDE No _____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES

Foré par _____

E A Grant
Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-12

FEUILLE No

Localisation : Lat. 5126.24
Dep. 5528.70 — 212 X-cut

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 84°41' E.
Inclinaison 0°

Commencé March 10th., 1941

Complété April 5th., 1941

Profondeur atteinte 416'

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	SECTION LONGUEUR EN PIEDS	SECTION SECTIONS COMMERCIALES
			0.0	11.0	11.0					Syenite porphry. Coarse.	Syenite porphry	11.0	
			11.0	62.5	51.5					Andesite ? Possibly diorite. Coarse grained.			
			62.5	65.5	3.0					Andesite. Fine grained. Some coarse pyrite.	Andesite	58.7	
											Syenite porphry	11.0	
			65.5	69.7	4.2					Andesite. Possibly diorite. Coarse grained	Andesite	6.2	
			80.7	86.9	6.2					Andesite Medium grained	Andesite	1.9	
			86.9	96.0	9.1					Syenite porphry	Syenite porphry	2.2	
											Andesite	3.9	
			96.0	97.9	1.9					Andesite. Fine grained. Lightly mineralized with pyrite.	Syenite porphry	118.1	
											Andesite	34.6	
			97.9	100.1	2.2					Syenite porphry.	Syenite porphry	5.2	
			100.1	104.0	3.9					Andesite. Fine grained. Lightly mineralized with pyrite	Andesite	8.7	
											Syenite porphry	2.4	
			104.0	223.1	118.1					Syenite porphry. Coarse	Andesite	2.0	
											Syenite prophry	2.6	
			222.1	227.8	5.7					Andesite. Fine grained. Some coarse pyrite	Andesite	1.8	
											Syenite porphry	129.4	
			227.8	236.6	8.8					Andesite ? Possibly diorite. Med. to coarse grained. Few specks of pyrite	Andesite	7.2	
												416.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-12

FEUILLE No _____

Localisation : Lat. _____
Dep. _____
Élévation de la Margelle _____
Point de Repère _____
Direction au Départ : Direction _____
Inclinaison _____

Commencé _____
Complété _____
Profondeur atteinte _____
Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			236.6	238.6	2.0					Andesite, Fine grained. Minor amount of pyrite			
			238.6	256.7	18.1					Andesite. Possibly diorite. Med. to coarse grained. A few specks of pyrite.			
			256.7	261.9	5.2					Syenite porphry (Dark)			
			261.9	266.0	4.1					Andesite. Medium grained.			
			266.0	270.6	4.6					Andesite. Fine grained. Weakly sheared.			
			270.6	273.0	2.4					Syenite prophry. Coarse and sheared			
			273.0	275.0	2.0	2316		$0.00		Andesite. Fine grained and sheared. Lightly mineralized with pyrite. Fairly numerous calcite and quartz stringers.			
			275.0	277.6	2.6					Syenite porphry ? Sheared and altered.			
			277.6	279.4	1.8					Andesite, Fine grained, Highly sheared and altered. Few calcite stringers.			
			279.4	344.6	64.2					Syenite porphry. Silicified and massive. 280.5'-281.4', 281.9'- 282.4', 282.9'- 283.9', 284.7'-286.0', 287.6'-288.2', 287.7'-290.0', 291.8'-292.6', 312.0'-313.3', 314.1'-315.0', 332.9'-333.9', 335.2'-335.6', 339.8'-340.0'. Missing, hole caving.			

Foré par _____

_____
Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-12

FEUILLE No _____

Localisation : Lat. .....
Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé .....

Complété .....

Profondeur atteinte .....

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO _____ LONGUEUR EN PIEDS	TROU DE SONDE NO _____ SECTIONS COMMERCIALES
			343.6	349.4	5.8					Syenite porphry. Silicified and altered to white colour. Brecciated			
			349.4	408.8	59.4					Syenite porphry, Massive and silicified. 362.0'- 363.0', 388.5'- 390.0' missing.			
			408.8	416.0	7.2					Andesite, fine-grained. Sheared. Numerous calcite and quartz stringers.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-13

FEUILLE NO

Localisation : Lat. 5127.88
Dep. 5511.09
212 X-cut

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N 84°41' W.
Inclinaison 0°

Commencé April 7th. 1941.
Complété " 13th. 1941.
Profondeur atteinte 114
Profondeur projetée 250 (Struck heavy flow of water)

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0	8.0	8.0					Andesite, Medium grained, Weakly sheared. Some pyrite	Andesite	8.0	
			8	114.0	106.0					Syenite porphry silicified. 27.6'- 28.0', 43.2'- 43.8', 47.0'- 47.9' missing.	Syenite porphry	106.0	
												114.0'	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-14

FEUILLE No 1

Localisation : Lat. 4676.10
Dep. 5408.78

209 Dr. East

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S- 0° 32' West
Inclinaison 0°

Commencé April 16th., 1941.

Complété May 28th., 1941.

Profondeur atteinte 486

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	36.5	36.5					Andesite. Coarse to medium grained.
			36.5	53.0	16.5					Andesite. Fine grained. ½" quartz with some pyrrhotite at 38.4'. ½" calcite at 39.7'
			53.0	125.0	72.0					Andesite. Medium to coarse grained. 2" quartz at 125'.
			125.0	126.0	1.0	2317		$0.10		50% quartz in medium grained Andesite
			126.0	145.0	19.0					Andesite. Medium grained. A few quartz and calcite stringers.
			145.0	148.0	3.0	2318		$1.40		Andesite. Sheared. Fairly numerous calcite and quartz stringers. Some pyrite and pyrrhotite
			148.0	215.6	67.6					Andesite. Medium grained. Hard but fractured. Difficult to make core. Some quartz and pyrrhotite at 152'. A few narrow stringers of calcite and quartz. 194.5 - 195.0, 199.4 - 200.0. Missing
			215.6	216.8	1.2					Missing
			216.8	231.2	14.4					Syenite porphry. 219.5 - 220.7, 222.5 - 223.7, Missing.

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	216.8	
Syenite Porphry	14.4	
Andesite	124.9	
Syenite Porphry	18.9	
Andesite	30.0	
Breccia	81.0	
	486.0	

TROU DE SONDE NO

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-14

FEUILLE No 2

Localisation : Lat. ..... Dep. .....

209 Dr. East.

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction ..... Inclinaison .....

Commencé .....

Complété .....

Profondeur atteinte .....

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE à 35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			231.2	243.8	12.6					Andesite. Coarse to medium grained.			
			243.8	245.0	1.2	2319		$0.73		Andesite. Weakly sheared. Some quartz stringers. Minor amount of pyrite.			
			245.0	263.0	18.0					Andesite. Medium grained. 249.E - 249.7. Missing			
			263.0	325.4	62.4					Andesite. Fine to medium grained. A few narrow calcite and quartz stringers.			
			325.4	3264	1.0	2320		$0.28		Chiefly quartz. Some pyrrhotite pyrite and calcite.			
			326.4	337.9	11.5					Andesite. Fine grained. 2" quartz at 33400 1" " " " 334.8			
			337.9	340.0	2.1	2321		0.42		Quartz stringers in fine grained Andesite. Quartz forming about 5% of core. Some pyrite and calcite.			
			340.0	356.1	16.1					Andesite. Fine to medium grained.			
			356.1	367.4	11.3					Syenite porphry			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-14

FEUILLE No 3

Localisation : Lat. .....
Dep. ..... 209 Dr. East.

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé .....

Complété .....

Profondeur atteinte .....

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE à 35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			367.4	368.5	1.1	2322		$0.10		Quartz. Glossy. Some pyrite			
			368.5	375.0	6.5					Syenite porphry.			
			375.0	397.0	22.0					Andesite. Fine grained weakly sheared. Some narrow stringers. Calcite and quartz. Minor amount pyrrhotite in cleavage planes.			
			397.0	405.0	8.0					Andesite. Amygdaloidal. 401 - 405. Weakly sheared. 404.5 -- 405. Altered to brownish colour.			
			405.0	423.2	18.2					Breccia. Acid. Sheared. In places has porphyrytic appearance.			
			423.2	427.7	4.5					Porphry. Phenocrysts are elongated and show flow & structure.			
			427.7	428.9	1.2					Breccia. Acid. Well sheared. 1/8" quartz at 428.4			
			428.9	486.0	57.1					Breccia. Acid. Weakly sheared.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-15

FEUILLE No 1

Localisation : Lat. 4626.92
Dep. 5317.12
Élévation de la Margelle 4755.84 — 209 Dt. E.
Point de Repère
Direction au Départ : Direction S.12° 08' E
Inclinaison 0°

Commencé May 29th., 1941
Complété June 20th., 1941
Profondeur atteinte 403 '
Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ à ANALYSE $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	48.0	48.0					Andesite. Medium grained. Few narrow stringers of quartz and calcite 1/2" - 3/4". Quartz with some pyrrhotite at 28.2', 41.3'.
			48.0	56.5	8.5					Andesite. Fine grained, weakly sheared. Some lenses and narrow stringers of quartz with some pyrrhotite
			56.5	58.3	1.8	2323		$0.10		Andesite. Sheared. Partly silicified and carbonated. Lightly mineralised with pyrrhotite and pyrite.
			58.3	60.2	1.9					Andesite. Fine grained and sheared.
			60.2	95.7	35.5					Syenite prophry (Dark)
			95.7	119.3	23.6					Andesite. Medium grained. Becomes finer grained & slightly sheared at 119. Some narrow stringers of quartz and calcite
			119.3	125.0	5.7	2324		Trace		Silicified and carbonated Andesite. Fairly well mineralised with pyrite and pyrrhotite. Sheared.
			125.0	125.3						Andesite. Sheared. 1/4" stringer of calcite and quartz. Some pyrite.

SECTION — TROU DE SONDE NO.

GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	48.0	
Andesite sheared	12.2	
Syenite porphry	35.5	
Andesite sheared	29.6	
Andesite massive	156.7	
Syenite porphry	0.2	
Andesite	0.8	
Syenite porphry	16.6	
Andesite sheared	23.7	
Andesite massive	22.4	
Breccia acid	57.3	
	403.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-15

FEUILLE No 2

Localisation : Lat. 4626.92
Dep. 5317.12
Élévation de la Margelle 4755.84
Point de Repère
Direction au Départ : Direction S.12° 08' E
Inclinaison 0°

209 Dt. E.

Commencé May 29th., 1941
Complété June 20th., 1941
Profondeur atteinte 403'
Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	$ à ANALYSE $35.00 BOUE	$ à ANALYSE $35.00 CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			125.3	150.0	24.7					Andesite. Medium to coarse grained.
										143.6 - 145.0, 146.2 - 147.6, 148.6 - 150.0
										Missing
			150.0	175.0	25.0					Andesite. Medium grained. ½" quartz at 156.9'
										157.3', 157.7'.
										166.5 - 167.4, 171.5 - 172.5 Missing
			175.0	193.6	18.6					Andesite. Medium to coarse grained
			193.6	194.4	0.8	2325		$0.98		Andesite. Sheared. Some calcite and quartz
										stringers and pyrite.
			194.4	205.4	11.0					Andesite. Medium to coarse grained.
			205.4	215.6	10.2					Andesite. Fine to medium grained
			215.6	225.0	9.4					Andesite. Coarse to medium grained.
			225.0	282.0	57.0					Andesite. Medium grained except near contact
										245.5 - 246.2. Weakly sheared.
			282.0	282.2	0.2					Syenite porphry
			282.2	283.0	0.8					Andesite. Fine grained.
			283.0	299.6	16.6					Syenite Porphry
			299.6	301.3	1.7					Andesite

SECTION GÉOLOGIE	TROU DE SONDE NO. — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M-15

FEUILLE No 3

Localisation : Lat. 4626.92
Dep. 5317.13

Élévation de la Margelle 4755.84

Point de Repère

Direction au Départ : Direction S. 12° 08' E
Inclinaison 0°

209 Dt. E.

Commencé May 29th., 1941

Complété June 20th., 1941

Profondeur atteinte 403'

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			301.3	316.3	15.0					Andesite. Fine grained. Weakly sheared. 1" quartz at 304.2			
			316.3	320.0	2.7	2326		0.00		Andesite. Fine grained. Well sheared and carbonated. Some quartz lenses and stringers. Lightly mineralised with pyrite and pyrrhotite. Few specks of chalcopyrite.			
			320.0	320.8	0.8					Andesite. Fine grained. Weakly sheared.			
			320.8	323.3	2.5	2327		Trace		Andesite. Fine grained and sheared. Some quartz and calcite stringers. Lightly mineralised with pyrite and pyrrhotite.			
			323.3	331.5	8.2					Andesite. Fine grained. Some pyrrhotite. Few stringers of calcite and quartz.			
			331.5	345.7	14.2					Andesite. Amygdaloidal.			
			345.7	403.0						Breccia acid. Weakly sheared.			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE No

Localisation : Lat. N 4692.79
Dep. S 6204.52
223 South Cross-cut

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 14 deg. 30 min. W.
Inclinaison 0 Deg.

Commencé Sept. 19, 1941

Complété Nov. 18 1941

Profondeur atteinte 577.0

Profondeur projetée 500.0

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	23.0	23					Andesite Medium to Coarse grained
			23.0	30.6	7.6					Andesite Medium to Fine grained
			30.6	57.5	26.9					Syenite Porphry
			57.5	62.5	5.0					Andesite fine grained
			62.5	85.0	22.5					Andesite Fine to medium grained ¼" Quartz at 66.8' A few other narrower stringers
			85.0	88.0	3.0					Medium grained Andesite
			88.0	88.5	0.5					Andesite Fine grained Altered lightly Mineralised with Pyrite ½" Quartz Some fine Ca Strs.
			88.5	105.0	16.5					Andesite Medium to Coarse grained
			105.0	131.0	26.0					Andesite Coarse grained 113.4 - 113.6 Sheared and Carbonated Minor Quartz
			131.0	146.0	15.0					Andesite Fine grained Weakly sheared and altered
			146.0	151.5	5.5					Andesite ? Coarse grained and altered
			151.5	159.2	7.7					Andesite Fine grained Weakly sheared

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
TROU DE SONDE NO		
Andésite	30.6	
Syenite Por.	26.9	
Andesite	101.7	
Andesite sheared	16.3	
Andesite massive	3.0	
Andesite sheared	8.0	
Syenite Porphry	9.8	
Andesite	5.7	
Syenite Por.	6.0	
Andesite	49.5	
Syenite Por.	39.9	
Andesite	24.6	
Andesite sheared	5.5	
Andesite massive	7.3	
Syenite Por.	117.2	
Andesite	7.8	
Syenite Por.	3.8	
Andesite sheared	3.4	
Syenite Por.	5.3	
Andesite	0.9	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE NO_____

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle.....
Point de Repère .....
Direction au Départ : Direction.....
Inclinaison .....

Commencé .....
Complété.....
Profondeur atteinte.....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			159.2	160.5	1.3					Andesite ? Coarse grained and altered
			160.5	171.3	10.8					Andesite Fine grained Sheared and Altered
			171.3	171.7	0.4					Chiefly Quartz White
			171.7	172.3	0.6					Andesite Fine grained Sheared
			172.3	174.5	2.2			$0.17		Andesite sheared carbonated 50% Calcite Some Quabtz Minor Pyrite
			174.5	177.5	3.0					Andesite Fine grained Hard
			177.5	182.5	5.0			$1.64		Andesite Fine grained Altered in places to brownish Colour. Some narrow Qtz and Ca Stringers Minor amount Pyrite Weakly sheared
			182.5	185.5	3.00					Andesite Fine grained Weakly sheared Some brownish alteration 184.3 - 184.6 50% Qtz. Minor Pyrite
			185.5	195.3	9.8					Syenite Porphry (Dark)
			195.3	201.0	5.7					Andesite Fine grained Few narrow Qtz. strs.
			201.0	207.0	6.0					Syenite Porphry (Dark)
			207.0	230.0	23.0					Andesite Fine grained 2" white Qtz. at 210' 1½" Qtz. at 212'

SECTION GÉOLOGIE	TROU DE SONDE NO_____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Syenite Por.	0.4	
Andesite	0.3	
Syenite Por.	4.8	
Andesite sheared	35.1	
Dyke ?	0.6	
Andesite sheared	0.3	
Dyke ?	1.8	
Andesite sheared	2.6	
Dyke ?	0.5	
Andesite sheared	0.5	
Dyke ?	0.7	
Andesite massive	1.4	
Dyke ?	2.7	
Andesite sheared	0.8	
Syemite Por.	1.7	
Andesite	3.5	
Syemite Por.	8.2	
Andesite sheared	6.9	
Andesite massive	17.3	
Syenite Por.	7.5	
Andesite	6.2	

Foré par.....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE No _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé Sept. 19 1941

Complété Nov. 18 1941

Profondeur atteinte 577'

Profondeur projetée 500'

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE à $35.00 BOUE	ANALYSE à $35.00 CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	TROU DE SONDE NO. SECTIONS COMMERCIALES
			230.0	256.5	26.5					Andesite Medium to Coarse grained Few Fine Ca Strs.			
			256.5	296.4	39.9					Syenite Porphry (dark)			
			296.4	311.7	15.3					Andesite Fine grained ¼" Qtz at 296.8 Some Pyrite in tight cracks			
			311.7	321.0	9.3					Andesite Medium grained Some Pyrite in cracks Becoming weakly sheared			
			321.0	325.0	4.0	2347		$0.21		Andesite Altered Carbonated Sheared Lightly mineralised with Pyrite			
			325.0	326.5	1.5					Andesite Medium grained Sheared Slightly carbonated ¼" Qtz Some Pyrite at 325.8			
			326.5	333.8	7.3					Andesite Medium to Fine grained Some Pyrite in narrow cracks			
			333.8	369.8	36.0					Syenite Porphry Dark			
			369.8	372.5	2.7	2348		trace		White Quartz			
			372.5	451.0	78.5					Syenite Porphry Dark			
			451.0	458.8	7.8					Andesite Fine grained Altered Becoming sheared			
			458.8	462.6	3.8					Syenite Porphry			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE No _____

Localisation : Lat. _____
Dep. _____

Élévation de la Margelle _____

Point de Repère _____

Direction au Départ : Direction _____
Inclinaison _____

Commencé _____

Complété _____

Profondeur atteinte _____

Profondeur projetée _____

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			462.6	466.0	3.4					Andesite Fine grained Sheared and Chloritic			
			466.0	471.3	5.3					Syenite Porphry (dark)			
			471.3	472.2	0.9					Andesite Fine grained Altered Few Specks Pyrite			
			472.2	472.6	0.4					Syenite Porphry (dark)			
			472.6	472.9	0.3					Andesite Fine grained Dark Some Coarse Pyrite			
			472.9	477.7	4.8					Syenite Porphry (dark)			
			477.7	495.0	17.3					Andesite Fine grained Well sheared and Altered 1½" Calcite at 483.5			
			495.0	504.0	9.0					Andesite Fine grained Weakly sheared Some very fine Ca strs.			
			504.0	510.0	6.0					Andesite fine grained Altered Carbonated and sheared			
			510.0	512.8	2.8					Andesite Fine grained Altered, weakly sheared			
			512.8	513.4	0.6					Dyke ? Medium grained Sharp contacts Possibly fine grained Syenite Porphry			
			513.4	513.7	0.3					Andesite Fine grained Sheared and Carbonated			
			513.7	515.5	1.8					Dyke ? Medium grained as above and sheared			

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE No _____

Localisation : Lat. 4692.79
Dep. 6204.52

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 14°- 30' O.
Inclinaison 0°

Commencé

Complété

Profondeur atteinte

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	TROU DE SONDE NO. SECTIONS COMMERCIALES
			515.5	518.1	2.6					Andesite F. Gr. Altered and weakly sheared			
			518.1	518.6	0.5					Dyke ? as above			
			518.6	519.1	0.5					Andesite F. gr. Sheared and Altered			
			519.1	519.8	0.7					Dyke ? as above			
			519.8	521.2	1.4					Andesite F. gr. More massive			
			521.2	523.9	2.7					Dyke ? as above			
			523.9	524.7	0.8					Andesite F. gr. Weakly sheared			
			524.7	526.4	1.7					Syenite Porphry			
			526.4	529.9	3.5					Andesite Fine to madium Grained Altered 526.4 - 526.8 Chiefly Qtz. with light Pyrite			
			529.9	539.1	8.2					Syenite Porphry			
			539.1	545.7	6.6					Andesite Fine to medium grained Altered 539.1 - 540 weakly sheared			
			545.7	546.0	0.3					Andesite ? F. gr. Well sheared Chloritic Minor Pyrite			
			546.0	555.0	9.0					Andesite F. gr. to Medium grained Massive ¼" Qtz. strs. at 548.4' 526.7' 527.6' with some specks of Chalcopyrite & Pyrrhotite			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 17

FEUILLE No _____

Localisation : Lat. .....
Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé .....

Complété .....

Profondeur atteinte .....

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE à $35.00 BOUE	ANALYSE à $35.00 CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO _____ LONGUEUR EN PIEDS	TROU DE SONDE NO _____ SECTIONS COMMERCIALES
			555.0	562.7	7.7					Andesite Medium grained			
			562.7	563.3	0.6	2349		$1.29		Andesite weakly sheared Light Pyrite Minor Quartz			
			563.3	570.8	7.5					Syenite Porphry Dark			
			570.8	577.0	6.2					Andesite Medium grained Massive ¼" Qtz. with specks of Chalco. and Pyrrhotite at 574.5			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 18

FEUILLE No

Localisation : Lat. 6567.05
Dep. 5572.47

Face 207 X-cut

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N. 16°- 51' E.
Inclinaison

Commencé Nov. 21st 1941

Complété Jan. 3rd 1942

Profondeur atteinte 500.00

Profondeur projetée 500.0

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	15.5	15.5					Andesite Fine grained. Massive and altered in places. Few narrow Ca Strs.
			15.5	23.0	7.5					Andesite F. gr. Porphrytic. Small Phenorrysts Few narrow Ca. strs.
			23.0	25.5	2.5					Andesite F. gra Weakly sheared. Few narrow Ca. strs.
			25.5	26.6	1.1					Andesite F. grs Weakly sheared. Numerous Ca. strs. 1" to ¼" Some lenses of Qtz.
			26.6	31.0	4.4					Andesite F. gr. Porphrytic. Small phenos.
			31.0	36.0	5.0					Andesite F. gr. Weakly sheared. Few narrow Ca. strs.
			36.0	37.5	1.5					Andesite F. gr. Well sheared and altered Some Ca. strs.
			37.5	50.0	12.5					Andesite F. gr. Weakly sheared. Some Ca. strs.
			50.0	70.0	20.0					Andesite F. gr. Weakly sheared. Some Ca. strs. and alteration
			70.0	110.5	40.5					Andesite F. gr. Sheared and soft. In places well carbonated. Few Ca. strs.
			110.5	135.1	24.6					Andesite F. gr. and altered. Very weakly sheared.
			135.1	208.2	73.1					Syenite Porphry
			208.2	210.0	1.8					Andesite F. gr. Sheared and altered Brecciated. Chloritised.
			210.0	225.0	15.0					Andesite F. gr. Sheared Chloritic. Few narrow strs. Calcite.
			225.0	256.6	31.6					Andesite highly sheared. Carbonated. Chloritised. Brecciated in places
			256.6	343.7	87.1					Syenite. Porphry. 271.2-273.7-283.2-285.3-286.3-287.5-288.5-290.0-290.8-292.3-293.1-295.0-301.3-302.1- missing

SECTION TROU DE SONDE NO

GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	23.0	
Andesite sheared	112.1	
Syenite Porphry	73.1	
Andesite highly sheared	48.4	
Syenite Porphry	87.1	
Andesite sheared	3.3	
Syenite Porphry	10.1	
Andesite	2.4	
Syenite Porphry	44.5	
Andesite sheared	46.0	
Andesite	50.0	
	500.0	

Foré par

Ingénieur dirigeant.

214.29

TROU DE SONDE A DIAMANT No M - 18

FEUILLE No

Localisation : Lat. 6567.05 Dep. 5572.47

Face 207 X-cut

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction N. 16° - 51' E. Inclinaison 0°

Commencé

Complété

Profondeur atteinte

Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			343.7	346.4	2.7					Andesite Fine grained Sheared			
			346.4	347.0	0.6					Missing			
			347.0	357.1	10.1					Syenite Porphry			
			357.1	359.5	2.4					Andesite ? Coarse grained			
			359.5	404.0	44.5					Syenite Porphry			
			404.0	415.0	11.0					Andesite Fine grained. Well sheared and carbonated.			
			415.0	450.0	35.0					Andesite Fine grained. Weakly sheared Fairly numerous fine Calcite stringers. Minor Pyrite.			
			450.0	475.0	25.0					Andesite Fine to medium grained. Carbonated Fairly numerous narrow Ca. stringers			
			475.0	500.0	25.0					Andesite Medium grained. Some Ca. stringers. Shearing and Fracturing at 487.0' - 492.5' - 494.0' - 496'			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 19

FEUILLE No _____

Localisation : Lat. 4588.62
Dep. 5227.20 209 Drift East

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 3° - 31' E
Inclinaison 6°

Commencé Jan. 3rd 1942
Complété Jan. 23rd 1942
Profondeur atteinte 287.8
Profondeur projetée 275.0

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	25.7	25.7					Andesite Fine to medium grained
										½" stringer Qtz. Ca. at 3.0', 3.6', 3.7'
			25.7	38.1	12.4					Andesite Coarse grained
			38.1	63.4	25.3					Andesite Fine to medium grained
										Porphrytic 50'6 - 60'5 Highly altered.
										Carbonates Slightly mineralised 59.2' - 63'
			63.4	63.6	0.2	2350	(62.6-63.6)	$0.07		Vein material Qtz. Carbonates. Pyrite.
			63.6	65.7	2.1	1505	(64.0-65.0)	trace		Andesite altered. Fine to medium grained
						1506	(65.0-66.0)	0.14		
			65.7	71.8	6.1	1507	68.0-69.0	0.07		Andesite Fine grained. Altered and Silicified
						1508	73.6-74.6	0.35		½" Qtz str. at 67.2' 4" Qtz,
										Sulphides Alteration at 68.0' 1" Carbonate
										at 70.0
			71.8	75.9	4.1					Andesite Fine to medium grained. Altered.
										slightly Sheared. Mineralised highly
										Silicified 74.0 - 75.0
			75.9	140.5	64.6					Andesite Coarse grained Altered.
						1509	113.8-114.8	trace		porphrytic 76.0 - 86.1 - 88.0 - 95.2. 1"
						1510	114.8-115.8	0.07		Quartz stringer at 102.1. Ground
						1511	129.0-130.0	trace		Core 103.8 - 104.7 / 3" Qtz. and
										Carbonate at 110.4 / Highly altered
										Silicified Mineralised and Sheared
										113.8 - 115.3. - Core missing 124.1 - 125.0
										125.5 - 126.6 - 135.7 - 136.6
										Quartz 129.1 - 129.5 - 3" Qtz at 140.4,
			140.8	142.8	2.3	1512	140.5-141.5	trace		Syenite Porphry, Silicified, Finer grained
										than normaly.
										Andesite, Coarse grained. 1" Qtz at 146.9
										Sheared 145.7 - 146.5

SECTION GÉOLOGIE	TROU DE SONDE No _____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	140.5	
Syenite Porphry	2.3	
Andesite	118.4	
Breccia	26.6	
	287.8	

Foré par _____

Ingénieur dirigeant. _____

114.29

TROU DE SONDE A DIAMANT No M - 19

FEUILLE NO.....

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle.....
Point de Repère .....
Direction au Départ : Direction.....
Inclinaison .....

Commencé .....
Complété.....
Profondeur atteinte.....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NUMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			142.8	172.3	29.5					Andesite Coarse grained 1" Qtz at 146.9. Sheared 145.7 - 146.5			
			172.3	176.3	4.0					Andesite Fine grained . 1" Qtz. Carbonate at 174.1 and 175.0 . Some Pyrite .			
			176.3	248.6	72.3					Andesite , Medium to coarse grained .			
						1513	181.2-181.9	$0.00		2" Qtz and Carbonate at 181.2 . 4" at 181.2 .			
			248.6	261.2	12.6					Andesite , Fine to medium grained , Altered .			
			261.2	287.8	26.6					Breccia, Acid, Porphrytic			

Foré par.....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 20

FEUILLE No _____

Localisation : Lat. 4597.95 Dep. 5126.21 — 209 Drift East

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 5° - 05' E Inclinaison 0°

Commencé Jan. 26th 1942

Complété Feb. 18th 1942

Profondeur atteinte

Profondeur projetée 373.3

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE at $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.0	11.6	11.6					Andesite Medium to coarse grained
			[illegible]	[illegible]	[illegible]					1' Qtz. and Carbonate at 11.4
			11.6	56.8	45.2					Andesite Coarse grained. Altered
			56.8	67.5	10.7					Syenite Porphry Silicified
			67.5	91.1	23.6	1542	(74.5-75.5)	tr.		Andesite Fine to medium grained
										74.6 - 75.8 Highly Silicified
			91.1	92.4	1.3	1543		$0.07		Quartz, Pyrite, Brown alteration
			92.4	93.7	1.3	1544		0.59		" " " "
			93.7	122.2	28.5					Andesite Coarse to medium grained
										Altered. Several Qtz. stringers between
										116.0 - 117.5
			122.2	123.4	1.2					Andesite. Sheared and altered. Quartz and
										Carbonate stringers
			123.4	160.6	37.2					Andesite Medium to coarse grained
										Altered. Slightly sheared 146.0 - 147.3
										Core missing 124.1-124.8, 127.3-128.3
										1½" Qtz. Sulphides at 160.3
			160.6	203.0	42.4					Andesite Fine to medium grained
										161.5 - 162.3 missing
			203.0	215.8	12.8					Andesite Medium to coarse grained
										204.7 - 205.5 Sheared 4" Qtz. and Carbonate
										at 205.2 with some Sulphides
			215.8	246.6	30.8					Andesite Fine to medium grained. Qtz. and
										Carbonate stringers at 229.1, 237.6, and 238.9
			[illegible]	[illegible]	[illegible]					236.3 - 236.7 missing
			246.6	252.2	5.6					Andesite Medium to coarse grained
										251.5 - 252.2 Sheared
			252.2	322.2	70.0					Breccia Porphrytic Silicified in Places
										½" Qtz. stringer at 271.4

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Andesite	56.8	
Syenite Porphry	10.7	
Andesite	184.7	
Breccia	70.0	
Syenite Porphry	5.6	
Breccia	37.1	
Andesite	8.4	
	373.3	

TROU DE SONDE NO _____

Foré par _____

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 20

FEUILLE NO _____

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO _____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			322.2	327.8	5.6					Syenite Porphry			
			327.8	364.9	37.1					Breccia Porphrytic Highly Silicified in places			
			364.9	373.3	8.4					Andesite Medium to Coarse grained. Altered			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No M - 21

FEUILLE NO

Localisation : Lat. 4592.63
Dep. 4876.09

209. Drift. West.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S 5° - 43' 0.
Inclinaison 0°

Commencé Feb. 19th 1942
Complété March 9th. 1942
Profondeur atteinte 244.0
Profondeur projetée

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE at $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0.0	28.0	28.0					Andesite Fine to medium grained. Qtz. and Carbonate stringers between 15.0 - 20.0	Andesite	174.3	
			28.0	62.1	34.1					Andesite Medium to coarse grained	Breccia Acid	69.7	
			62.1	80.8	18.7					Andesite Fine to medium grained. 1½" Qtz. at 64.7, ½" at 67.7, Stringers at 72.2 Scattered Sulphides 71.9' 72.3'		244.0	
			80.8	113.1	32.3					Andesite Coarse grained, ¼" Qtz. stringer and Sulphides at 92.0'			
			113.1	127.3	14.2					Andesite fine grained. Qtz. and Sulphide stringers at 105.9 Sheared with Carbonates 2" at 105.8', 3" at 111.2' and 124.1 - 125.0 Broken core 120.0 - 121.0			
			127.3	128.8	1.5	1545		$ 0.35		Blue Quartz, Pyrite, Carbonates Altered Andesite Sheared			
			128.8	174.3	45.5	1546	137.4'-138.4' 0.42			Andesite Fine grained Altered Blocky Core missing 134.3-135.0 Sheared 128.8-130.0 1" Qtz. Carbonate at 136.4', 3" Qtz. Carb. at 137.8 Core missing 145.6 - 147.0 5" Qtz. and Carbonate at 163.3			
			174.3	244.0	69.7					Breccia Acid 1" Qtz. and Carbonate stringer at 177.7' Highly Silicified from 226.8'-232.4 3" Qtz. epidote and Carbonate at 242.4' Ground core missing 232.6-233.4, 235.6-236.5			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-1

FEUILLE No 1

Localisation : Lat. 4442.80
Dep. 4540.62

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction South.
Inclinaison 44° 53'

Surface.
North Boundary.
Cldm: A-87757 .

Commencé June 25th (commenced driving casing)

Complété July 18th.

Profondeur atteinte 500

Profondeur projetée 500

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0	50	50					Casing.			
			50	57.7	7.7					Breccia. Acid. Light in colour. Massive.	Casing Acid Breccia	50 15	
			57.7	60.	2.3					Lost core.			
			60.	60.5	0.5					Breccia.			
			60.5	61.2	0.7					Lost core.	Andesite sheared	221.4	
			61.2	63.	0.8					Breccia.			
			63.	65.3	2.3					Andesite. Fine grained. Sheared. Rather lighter in colour than usual.	Intrusive Diorite?	26.3	
			65.3	65.6	0.6					Quartz. White.			
			65.6	75.	9.4					Andesite. Fine grained. Weakly sheared. Becoming darker in colour.	Andesite sheared	89.3	
			75.	103	28.					Andesite. Fine grained. Sheared. Dark chloritic streaks. A few fine stringers of Calcite.	Andesite Massive	100.0	
			103	104.5	1.5					Lost core.		500.0	
			104.5	141.	36.5					Andesite. Fine grained. Well sheared. Numerous Cal. stringers. Some Pyrite at 107.5. Dark chloritic streaks. Lost core. 110.8-113 115.-116.9 117.8-120 121.2-.23.4 127.5-130, 131.7-133.2, 135.6-136.6			
			141.	142.	1.0					Lost core.			
			142	150	8.					Andesite. Fine grained. Well sheared. Numerous Cal. stringers 145.5-146.5.			
			150	152.1	2.1					Andesite. Fine grained. Sheared. Soft. Some Calcite stringers.			
			152.1	156.6	4.5					Lost core.			
			156.6	160.4	3.8					Ground core. Probably as above. Some Pyrite.			

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-1

FEUILLE No 2

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	$ ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			160.4	162.1	0.7					Lost core.			
			162.1	180.	17.9					Andesite. Fine grained. Sheared and soft. Some Cal stringers.			
			180	200.	20					Andesite. Fine grained. Shearing not so pronounced. Core is darker in colour. Few Calcite stringers.			
			220	244.3	44.3					Andesite. Fine grained. Sheared and Talcose. Dark chloritic bands. Some calcite stringers. Lost core: ? /.3-239.1, 242.2-243.5.			
			244.3	245.2	0.9					Andesite? Silicified, more massive. Lightly mineralised with Pyrite. Hard.			
			245.2	245.8	0.6					Acid flow? Light green in colour. Well sheared. Some pyrite in cleavage plans.			
			245.8	250.4	4.6	3971		$0.14		Andesite. Silicified. More massive but weakly sheared. Lightly mineralised with Pyrite. Some Quartz stringers Hard. Porphyrytic?			
			250.4	262.2	11.8					Andesite. Highly sheared and Talcose. Dark chloritic bands. Some Ca. stringers.			
			262.2	263.6	1.4					Lost core.			
			263.6	274.3	10.7					Andesite? Highly sheared and Talcose. In places banded with numerous fine Calcite stringers. Banding has wavy flow structure. Quartz stringers ½" to 1½" wide at 265.2, 265.4, 268.4, 268.8, 271.7, 273.4.			
			274.3	274.8	0.5	3972				Chiefly Quartz. Some Pyrite and a black mineral.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-1

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ 35 ¢ BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			274.3	275	0.2					Andesite. Highly sheared and Talcose.			
			275	284.4	9.4					~~Andesite. Sheared and Banded with numerous~~ fine Calcite and some Quartz stringers which pinkish in places. Banding has wavy flow structure.283.5-284.4. Lightly mineralised with fine pyrite.			
			284.4	290.	5.6	3973		trace		Silicified material lightly mineralised with Pyrite. Colour varies from white to pink and light to dark green. Pyrite is usually fine. Probably intrusive Diorite?			
			290	295	5.0	3974		0.10					
			295	300	5.0	3975		trace	26.3'				
			300	305	5.0	3976		trace					
			305	310.7	5.7	3977		trace					
			310.7	313.2	2.5					~~Andesite? Medium to coarse grained. Sheared~~ and altered. 2" Calcite at 311.1			
			313.2	315.	1.8					Lost core.			
			315.	316.2	1.2					~~Andesite? Medium to coarse grained sheared and~~ altered.			
			316.2	317.6	1.4					~~Lost core (chopped)~~			
			317.6	321.	4.4					~~Andesite? Medium to coarse grained sheared~~ and altered.			
			321	325	4.0					~~Andesite? Fine grained. Sheared and Talcose.~~ Light grey to dark green in colour. Some fine Calcite stringers.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-1

FEUILLE No 4

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			325	332.5	7.5					Andesite. Fine grained sheared and Talcose. Few specks of Pyrite. 328.0-329.7' missing.			
			332.5	350.	17.5					~~Andesite. Fine grained and sheared. Darken~~ in colour. Ground is blocky and broken up. Lost core: ~~338.1 - 338.8~~ ~~340.0 - 340.5 0.5~~ 341.8 - 342.6 0.8 343.6 - 344.2 0.6 ~~349.6 - 350. 0.4 2.3~~			
			350	375	25.					Andesite. Fine grained and weakly sheared. Dark in colour but altered to light grey in places.			
			375.	425	25					~~Andesite. Fine grained and massive~~ ~~400.-402.8'~~ sheared. 416.5 - 417 Mottled with Qtz. A few narrow Cal stringers and some specks of Pyrite.			
			425	500	75.					Andesite. Fine grained. Some fine stringers of Calcite. 475.-475.6 sheared.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-2.

FEUILLE No 1

Localisation : Lat. 4442.80
Dep. 4840.62

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction South.
Inclinaison -45deg.

Surface. North boundary claim 4-87757.

Commencé July 23th 1940.

Complété Aug 16 1940.

Profondeur atteinte 487 (cave at end of hole)

Profondeur projetée 500.

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	37.	37					Casing.
			37.	41.9	4.9					Breccia. Acid.
			41.9	43.4	1.5					Lost core (chopped)
			43.4	94.8	51.4					Breccia. Acid. Hard and blacky Vuggy in spots. 91.8-94.8. Fine grained and more homogeneous.
			94.8	113.7	18.9					Andesite. Fine grained. Hard and massive.
			113.7	12 5.	11.3					Breccia. Acid. 113.7-115.4 fine grained and homogeneous.
			125	175	50					Breccia. Acid. Massive and blacky. A few small lenses of Quartz. 157-158.5 missing.
			175.	183.2	8.2					Breccia. Acid. Hard. Core much broken up. 177.7-180, lightly mineralised with Pyrite and Chalcopyrite. 179.3-180 missing. 181.9-183.2 ,,
			183.2	194.4	11.2					Andesite? Fine grained. Weakly sheared. 189.2- 190 missing. 191.9- 192. ,,
			194.4	196.5	2.1	3978		$0.63 2.5% cu.		Silicified and massive material mineralised with Pyrite and Chalcopyrite. 1% Cu?
			196.5	200.	3.5					Andesite? Fine grained. Weakly sheared. 197.5 - 198.4 missing.

SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Casing	37.0	
Acid Breccia	57.8	
Andesite Massive	18.9	
Acid Breccia	169.5	
Andesite sheared	121.2	
Intrusive Diorite?	28.1	
Andesite Sheared	0.6	
Intrusive Diorite	4.3	
Andesite Sheared	17.	
Andesite massive	11.5	
Syénite Porphyry	1.1	
Andesite	21.4	
Syenite Porphyry	30.6	
Andesite	68.0	
	487.00	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-2.

FEUILLE No 2

Localisation : Lat. .....
Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé .....

Complété .....

Profondeur atteinte .....

Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	TROU DE SONDE NO SECTIONS COMMERCIALES
			200	204.1	4.1					Andesite. Fine grained. Sheared and soft.			
			204.1	211.9	7.8					Syénite Porphyry. Coarse grained.			
			211.9	275.	63.1					Andesite. Fine grained. Well sheared and Talcose. Some stringers and lenses of Quartz and Calcite. Few specks of Pyrite.			
			275.	290.1	15.1					Andesite. Fine grained. Well sheared and Talcose. 288. - 290.1 Numerous narrow Ca. stringers. 286.2 - 288 Missing.			
			290.1	304.4	14.3					Serpentine schist. Greenish cast. Minor amount very fine Pyrite. 291.6 - 293.8 missing.			
			304.4	304.8	0.8					Intrusive. Coarse grained. Grano-diorite? Similar to core. Hole S-1. 284. - 310 but not mineralised.			
			304.8	306.	1.2					Serpentine Schist. Numerous very fine Ca. stringers.			
			306.	332.5	26.5					Intrusive. Coarse grained . Grano-Diorite? Massive numerous Vugs. 318.4 - 319.3 Missing (core) 320.1 - 321.8			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-2.

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			332.5	333.1	0.6					Andesite? Fine grained. Lieght greenish colour. Sheared.			
			333.1	337.4	4.3					Intrusive. Coarse grained. Grano-Diorite?			
			337.4	347.1	9.7					Andesite? Coarse to medium grained. Altered and weakly sheared. Numerous fine stringers of Calcite.			
										339.1-340. ; 344.0-344.9 missing.			
			347.1	350.4	3.3					Andesite? Fine grained. Sheared Very Lightly mineralised with fine Pyrite.			
			350.4	352.9	2.5					Andesite. Fine grained. Sheared. Numerous fine stringers of Calcite.			
			352.9	354.4	1.5					Missing.			
			354.4	365.9	11.5					Andesite. Fine grained. Massive. Few fine stringers of Calcite.			
										363.5 - 364.7 missing.			
			365.9	367.	1.1					Syenite Porphyry. Coarse.			
			367.	373.6	6.6					Andesite. Fine grained. Massive. Some fine stringers of Calcite.			
			373.6	375.8	2.2					Andesite. Fine grained and altered. Numerous lenses of green carbonate. Few lenses of Qtz. Lightly mineralised with coarse Pyrite.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-2.

FEUILLE No 4

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			375.8	388.4	12.6					Andesite. Fine grained. Massive. Fine stringers of Calcite fairly numerous. 386.7 -388.2 Missing.			
			388.4	389.7	1.3					Syenite Porphyry. Coarse. 2" Qtz at 388.8'.			
			389.7	391.5	1.8	3979		$0.38		Quartz. White.			
			391.5	419.	27.5					Syenite Porphyry. Coarse. 1" Qtz at 401.5'. 1" ,, 407.4'.			
			419	450	31					Andesite. Fine grained. Massive. Hard. Some Calcite stringers.			
			450	472.4	22.4					Andesite. Fine grained. Massive. Hard. 450.4 - 450.9 : 460.3 - 461.0 : Chiefly carbonate. sheared.			
			472.4	476.8	4.4					Andesite. Fine grained. Somewhat softer.			
			476.8	479.3	2.5					Andesite. Fine grained. Porphyritic.			
			479.3	487.	7.7					Andesite. Fine grained. Some stringers of Calcite.			

Foré par .....

G. A. Dupont.
Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-3

FEUILLE No 1

Localisation : Lat. 44 42. 80
Dep. 51 40. 62

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction South.
Inclinaison 45 deg.

Surface. North boundary.
Claim : A-87757

Commencé Aug. 20th 1940.

Complété Sept. 13 th 1940.

Profondeur atteinte 500'

Profondeur projetée 500'

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.	9.	9.					Casing.
			9.	50	41.					Andesite. Medium grained. Massive.
			50	75.	25					Andesite. Medium grained. Some narrow Calcite and Quartz stringers. 0.2' Qtz at 71.7 with some specks of Chalcopyrite.
			75	100	25					Andesite. Grain changing from medium to fine at 100'
			100	125	25					Andesite. Fine grained. 102.0 -103.7' weakly sheared with some Qtz stringers and Pyrite. 115.5 - 125.0 Amygdaloidal.
			125	136.6	11.6					Andesite. Fine grained. Amygdaloidal. 1" Qtz at 135.2.
			136.6	141.	4.4					Andesite? Fine grained. Lighter in colour than above.
			141.	156.5	15.					Acid Porphyry? or Breccia. Light in colour. White. Felspath? phenocrysts
			156.5	160.6	4.1					Acid breccia.
			160.6	162.2	1.6					Andesite? Fine grained.
			162.2	163.6	1.4					Acid breccia with inclusions of Andesite?

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Casing	9.0	
Andesite Massive	132.	
Acid Breccia and Porphyry	96.8	
Syenite? Porphyry	2.5	
Acid breccia	15.	
Syenite Porphyry	0.6	
Acid breccia	13.7	
Andesite-sheared	103.1	
Intrusive Diorite?	0.7	
Andesite sheared	26.6	
Andesite. Fairly massive	100.0	
	500.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-3.

FEUILLE No 1

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			163.6	165.5	1.9					Andesite? Fine grained.			
			165.5	200.	34.5					Acid breccia. Contact is indefinite and may be some flow as above. Porphyritic appearance in places. Some Pyrrhotite.			
			200	237.8	37.8					Acid breccia. Porphyritic in places 195.-200 Altered to very light colour. 199.-200 V. lightly mineralised with Pyrrhotite.			
			237.8	240.3	2.5					Syenite? Porphyry.			
			240.3	255.3	15.					Acid breccia. A few dark chloritic bands. 1" Qtz at 250'.			
			255.3	255.9	0.6					Syenite porphyry.			
			255.9	269.6	13.7					Acid braccia. Core broken up. Weakly sheared. Some dark chloritic bands.			
			269.6	300	30.4					Andesite. Fine grained. A few fine stringers of Calcite. 285.-300 weakly sheared			
			300.	325	25					Andesite. Fine grained but becoming somewhat coarser. Fairly well sheared. A few stringers of Calcite. 309.2-310 } 311.5-312.8 } missing. 314.5-315.8 }			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE À DIAMANT No 8-3

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	TROU DE SONDE NO — SECTIONS COMMERCIALES
			325	330	5.7					Andesite. Fine grained and sheared.			
			330.7	357.7	27.					Andesite. Dark in colour. Chloritic? Well sheared. Some calcite stringers. 353.3-357. missing.			
			357.7	359.6	1.9					Coarse phase of Andesite? Possibly intrusive Diorite.			
			359.6	372.7	13.1					Andesite. Fine grained. Well sheared. 360.-364, 366.6-368.,368.3-369.4,371.3-372.2 missing.			
			372.7	373.4	0.7					Porphytic Andesite? Possibly intrusive Diorite. Phenocrysts show flow structure.			
			373.4	375.	1.6					Andesite. Fine grained and sheared. Some Pyrite.			
			375.	400.	25					Andesite. Fine grained. Dark. Fairly well sheared but becoming massive. Some fine strs. of Calcite and coarse crystals of Pyrite. 376.4-377.7 378.2-379.5 } missing. 380.0-381.4			
			400.	436.5						Andesite. Fine grained. Dark and massive. Some narrow stringers of Calcite and Qtz. A little Pyrite.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-3.

FEUILLE No 4

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			436.5	447.3	10.8					Andesite. Fine grained and weakly sheared. Lighter in colour. Few fine stringers of Calcite.			
			447.3	475.	27.7					Andesite. Fine grained. Massive. Dark in colour. Some fine stringers and small lenses of Calcite. Some Pyrite.			
			475	500.	25.					Andesite. Fine grained. Some signs of weak shearing. Some fine Calcite stringers. Some specks of Pyrite.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-4

FEUILLE NO 1

Localisation : Lat. 44.42.80 Dep. 54.40.62 — Surface, North East corner. Claim:A-87757.

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S. Inclinaison 45 deg.

Commencé Sept. 18th 1940

Complété Oct. 11th, 1940

Profondeur atteinte 503.0'

Profondeur projetée 500'

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE @ $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0.	11.6	11.6					Casing.
			11.6	34.3	21.7					Andesite. Medium grained. Some narrow Calcite stringers. 2" Quartz mineralised with Pyrite at 33.1'
			34.3	36.2	1.9	3980		$0.17		Qtz in altered Andesite. Quartz forms about 50% of core. Fairly well mineralised with Pyrite.
			36.2	44.2	8.					Andesite. Medium grained.
			44.2	44.5	0.3	3981		$0.14		Chiefly Quartz lightly mineralised with Pyrite.
			44.5	87.4	42.9					Andesite. Medium to coarse grained.
			87.4	118.8	31.4					Syenite Porphyry.
			118.8	135	16.2					Andesite. Medium to coarse grained. 132.5-133.'. White barren Quartz.
			135	215.	80					Andesite. Fine grained. Hard to drill. Few narrow stringers of Qtz and Calcite. 150-151, Lightly Mineralised with pyrrhotite and Pyrite.
			215.	233.	18.					Andesite. Fine grained. Amygdaloidal. No definite contact.

SECTION GÉOLOGIE	LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Casing	11.6	
Andesite	75.8	
Syenite Porphyry	31.4	
Andesite	96.2	
Amygdaloidal Andesite	18.0	
Syenite Porphyry	19.0	
Breccia	42.0	
Syenite Porphry	12.4	
Breccia	11.0	
Andesite Breccia	c. 8 40.2	
Andesite Sheared	107.0	
Intrusive?	3.0	
Andesite	13.2	
Intrusive?	4.9	
Andesite Sheared	7.0	
Syenite Porphry	0.7	
Andesite Sheared	2.2	
Syenite Porphry	1.1	
	503.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-4

FEUILLE No 7

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			233.	252.	19.					Syenite Porphyry.
			252.	294.	42.					Breccia Porphyritic. Some inclusions of dark chloritic rock (Andesite?) 252.-254 Fine grained and homogeneous 1" Quartz at 362! ½" ,, ,, 267!
			294.	306.4	12.4					Syenite Porphyry
			306.4	317.4	11.					Acid breccia. Porphyritic in places. Sheared.
			317.4	323.7	6.3					Andesite. Fine grained. At contacts, altered to brownish colour. Weakly sheared.
			323.7	363.9	40.2					Acid breccia. Weakly sheared.
			363.9	454.	90.1					Andesite. Fine grained. Becoming well sheared. Some narrow stringers of Calcite.
			454.	470.9	16.9					Andesite. Fine grained. Highly sheared and altered.
			470.9	473.9	3.0					Intrusive? or coarse phase of Andesite. Lightly mineralised with Pyrite.

SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Syenite Porphyry	0.7	
Andesite sheared	2.2	
Syenite porphyry	1.1	
	503.00	

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S -4.

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			473.9	487.1	13.2					Andesite. Highly sheared and altered.			
										477.7' - 477.6' .....missing.			
			487.1	492.	4.9	3982		$ 0.00		Intrusive? or coarse phase of Andesite. Lightly mineralised with Pyrite. Includes some narrow bands highly sheared and altered Andesite.			
			492.1	499.	7.					Andesite. Highly sheared and altered.			
			499.	499.7	0.7					Syenite Porphyry. Massive.			
			499.7	501.9	2.2					Andesite. Highly sheared and altered.			
			501.9	503.	1.1					Syenite Porphyry. Massive.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-5

FEUILLE NO 1

Localisation : Lat. .....
Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé June 28th., 1941.

Complété .....

Profondeur atteinte .....

Profondeur projetée 500

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)
			0	60.0	60.0					Casing
			60.0	62.8	2.8					Andesite. Highly sheared and altered. Syenite
			62.8	67.5	4.7					Syenite porphyry. Massive.
			67.5	68.9	1.4					Andesite. Sheared
			68.9	109.3	40.4					Syenite porphry. Massive. 108.5-109.3 altered
			109.3	114.4	5.1					Andesite ? altered to micaceous schist
			114.4	115.0	0.6					Ground core. Andesite ? Schist.
			115.0	127.0	12.0					Andesite. Highly sheared and talcose carbonated. Fairly numerous narrow calcite stringers
			127.0	143.0	16.0					Andesite. Sheared. Fairly numerous fine calcite stringers.
			143.0	148.5	5.5					Andesite. Weakly sheared. Some fine calcite stringers.
			148.5	197.0	48.5					Andesite. Fine grained. Dark in colour. Fairly numerous fine calcite stringers. ½" calcite at 160.4, 165.2, 3" ca. at 182.7, 150.3 - 151.2, 153.9 - 154.8, 176.5 - 177.7. Missing. There are many slickensided fractures, some shearing and brecciation
			197.0	210.0	13.0					Andesite. Fine grained. In places breccinted with carbonate filling and some shearing. Some fine calcite stringers.

SECTION GÉOLOGIE	TROU DE SONDE NO ____ LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
Casing	60.0	
Andesite sheared	2.8	
Syenite porphry	4.7	
Andesite sheared	1.4	
Syenite porphry	40.4	
Andesite sheared	39.2	
Andesite massive	84.0	
Andesite sheared	34.2	
Syenite porphry	11.1	
Breccia acid	50.2	
Andesite	172.0	
	500.0	

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-5

FEUILLE No 2

Localisation : Lat. .....
Dep. .....

Élévation de la Margelle .....

Point de Repère .....

Direction au Départ : Direction .....
Inclinaison .....

Commencé June 28th., 1941

Complété .....

Profondeur atteinte .....

Profondeur projetée 500

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			210.0	232.5	22,5					Andesite. Fine grained. More massive. Fairly numerous fine calcite stringers. 226.2 - 227.7, 229.5 - 230.3, 233.6 - 231.2. Missing			
			232.5	237.3	4.8	2329				Andesite. Fine grained weakly sheared. Numeroux stringers and lenses of calcite, ome quartz. Minor amount of pyrite.			
			237.3	251.0	13.7					Andesite. Fine grained. Weakly sheared. Some calcite and quartz stringers.			
			251.0	266.7	15.7					Andesite. Sheared and altered. 257.6-259.1. Missing.			
			266.7	277.8	11.1					Syenite porphry.			
			277.8	314.0	36.2					Breccia. Acid. Weakly sheared. 285.0 - 285.6, 287.2 - 288.0, 296.5 - 297.7. Missing			
			314.0	328.0	14.0					Breccia ? Acid. More even grained. In places porphrytic. Darker in colour. Weakly sheared. 326.8 - 327.5. Missing.			
			328.0	373.0	45.0					Andesite. Fine grained. Some narrow stringers of calcite. $\frac{1}{2}$" ca. at 354.2 , 336.0 - 336.8 Missing			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-5

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé June 28th., 1941
Complété .....
Profondeur atteinte .....
Profondeur projetée 500

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	ÉCHANTILLON À	ÉCHANTILLON PIEDS	ÉCHANTILLON NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	TROU DE SONDE NO — SECTIONS COMMERCIALES
			373.0	374.0	1.0					Andesite. Fine grained. Sheared chloritic			
			374.0	395.9	21.9					Andesite. Fine grained. Some narrow calcite stringers. Becoming weakly sheared at 395.?			
			395.9	396.6	0.7					Missing			
			396.6	403.8	7.2					Andesite. Fine grained. Sheared and carbonated. Fine veinlets of calcite.			
			403.8	405.0	1.2					Missing			
			405.0	500	95.0					Andesite. Fine grained. Massive. Some narrow calcite stringers, in places altered to serpentine. 421.8 - 422.8 Missing 428.0 - 428.4 " 445.2 - 446.2 " 447.9 - 448.7 "			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE No 1

Localisation : Lat. 4845.21
Dep. 7074.65

Élévation de la Margelle

Point de Repère

Direction au Départ : Direction S- 3°-32'-0
Inclinaison - 44°-14'

Commencé Aug. 2nd. 1941

Complété Sept. 8th.

Profondeur atteinte 602.0

Profondeur projetée 500.0

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			0	11.0	11.0					Casing	Casing	11.0	
			11.0	42.6	31.6					Syenite porphry, Silicified in 7 - 15.4, 17.6-18.4, 19.3-20.0. Missing.	Syenite porphry	107.1	
			42.6	43.5	0.9					Syenite porphry. Silkcified with horses of Andesite and some small lenses of quartz. Minor amount of pyrite.	Andesite	89.4	
											Porphry	1.4	
											Andesite	14.3	
			43.5	117.7	74.2					Syenite porphry. Silicified	Porphry	1.0	
			117.7	118.1	0.4	2330		$0.07		Quartz, white	Andesite	1.8	
											Phophry	1.8	
			118.1	120.0	1.9	2331		$0.17		Andesite. Sheared and silicified. Minor amount fine pyrite.	Andesite	5.5	
											Porphry	8.7	
			120.0	181.1	61.1					Andesite. Very fine grained and hard. Occasional pyrrhotite in very fine quarts veinlets.	Andesite	2.4	
											Porphry	10.1	
											Andesite	66.9	
			181.1	182.1	1.0	2332		$0.24		Andesite. Carbonated and brecciated. Minor amount of pyrite. (spherulitic)	Porphry	9.5	
											Andesite	13.1	
			182.1	191.0	8.9					Andesite flow. Very fine grained and hard. In places altered to light green colour.	Syenite porphry	19.7	
											Andesite	213.4	
			191.0	193.0	2.0	2333		$0.21		Andesite. Altered and brecciated with small lenses of quartz. Minor amount of pyrrhotite	Porphyy	10.2	
											Andesite	4.8	
											porphyy	0.7	
											Andesite	9.2	
												602.0	

Foré par

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE No 2

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE BOUE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			193.0	199.0	6.0					Andesite. Fine to medium grained			
			199.0	200.5	1.5					Andesite. Altered to light green colour			
			200.5	207.5	7.0					Andesite. Fine grained.			
			207.5	208.9	1.4					Porphry. White feldspar phenocrysts in fine dark ground mass.			
			208.9	223.2	14.3					Andesite. Fine grained. Some small lenses of quartz. 216.0 - 217.0			
			223.2	224.2	1.0					Porphry. Feldspar phenocrysts in fine dark ground mass.			
			224.2	226.0	1.8					Andesite. Very fine grained.			
			226.0	227.8	1.8					Porphry. As above.			
			227.8	233.3	5.5					Andesite. Very fine grained			
			233.3	242.0	8.7					Porphry as above but with lighter coloured and coarser ground mass.			
			243.0	244.4	2.4					Andesite. Fine grained.			
			244.4	254.5	10.1					Porphry. As above with lighter coloured ground mass.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE No 3

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO. LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			254.5	291.8	37.3					Andesite. Fine grained and hard. ½" qtz at 272.7. ½" " " 278.5. Some other narrow veinlets			
			291.8	295.0	3.2	2334		$0.28		Narrow quartz stringers and lenses in fine grained silicified Andesite. Lightly mineralised with pyrite.			
			295.0	298.6	3.6	2335		$0.21		Network of fine quartz and calcite stringers in fine grained Andesite. Minor pyrite and pyrrohotite			
			298.6	299.4	0.8					Andesite. Fine grained core broken up.			
			299.4	300.5	1.1					Missing.			
			300.5	307.5	7.5					Andesite. Fine grained. Weakly sheared and altered.			
			307.5	309.0	1.5	2336		$0.07		Quartz replacing Andesite.			
			309.0	318.8	7.8					Diorite? or coarse grained Andesite.			
			318.8	321.4	2.6					Andesite. Fine grained and altered to light green colour.			
			321.4	330.9	9.5					Porphry ? Spherutites? in green fine grained ground mass.			
			330.9	344.0	13.1					Andesite. Fine grained and altered becoming weakly sheared near 344.0			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE NO 4

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			344.0	363.7	19.7					Feldspar porphry. Dark ground mass			
			373.7	368.0	4.3					Andesite. Fine grained			
			368.0	373.0	5.0					Diorite? or coarse phase Andesite.			
			373.0	377.2	4.2					Andesite. Fine grained			
			377.2	378.5	1.3	2337		$0.14		Quartz and Calcite stringers in sheared Andesite. Light pyrite.			
			378.5	382.2	3.7					Andesite. Fine grained 1" quartz at 381.0'. 3" Vuggy quartz and some pyrite at 381.8'.			
			382.2	453.7	71.5					Andesite. Medium to coarse grained. 1" quartz and pyrrohotite at 414.5'			
			453.7	455.2	1.5	2338		$0 .52		Lenses and stringers quartz in carbonated Andesite. Medium pyrite.			
			455.2	475.0	19.8					Andesite. Medium to coarse grained.			
			475.0	500.5	25.5					Andesite. Medium to coarse grained. Somewhat altered and in places weakly sheared. A few fine stringers calcite. Occasional specks pyrite and pyrrhotite. 1" quartz and pyrrhotite at 484.7.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE No 5

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE à $35.00 BOUE	CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE No LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			500.5	501.0	0.5	2339		$0.24		Quartz and calcite mineralised with pyrite			
			501.0	546.4	46.4					Andesite. Altered. Medium to coarse grained. 1" quartz with calcite stringers and specks. Pyrite at 521.0 ¼" calcite at 526.7'. Quartz and calcite at stringers at 531.6. ½" quartz and pyrite at 534.2 and 535.3'. Sheared and highly altered with some pyrite 535.3 - 535.6. Quartz stringers at 536.1.			
			546.4	546.8	0.4	2340		$0.28		Chiefly quartz and calcite. Some pyrite.			
			546.8	550.0	3.2					Andesite. Altered. Medium to coarse grained.			
			550.0	560.0	10.0					Andesite. Altered. Medium grained.			
			560.0	562.2	2.2					Andesite. Fine grained. Altered and sheared. Lighter in colour. Patch of sheared Andesite 501.9 - 562.1			
			562.2	577.1	14.9					Andesite. Coarse to medium grainedd. Sheared and highly altered in places. Numerous calcite and quartz stringers between 571.5' and 573.7. 573.5 - 575.0 ground core			
			577.1	587.3	10.2					Porphyy. Sheared.			

Foré par .....

Ingénieur dirigeant.

114.29

TROU DE SONDE A DIAMANT No S-6

FEUILLE No 6

Localisation : Lat. .....
Dep. .....
Élévation de la Margelle .....
Point de Repère .....
Direction au Départ : Direction .....
Inclinaison .....

Commencé .....
Complété .....
Profondeur atteinte .....
Profondeur projetée .....

DATE	PIEDS FORÉS	PROFONDEUR TOTALE	ÉCHANTILLON DE	À	PIEDS	NOMBRE	ANALYSE ROCHE	ANALYSE CAROTTE	ANALYSE COMBINÉE	REMARQUES (JOURNAL)	SECTION GÉOLOGIE	TROU DE SONDE NO — LONGUEUR EN PIEDS	SECTIONS COMMERCIALES
			587.3	592.1	4.8					Andesite. Altered. Fine grained. Amygdaloidal.			
			592.1	592.8	0.7					Porphyry. Altered and sheared.			
			592.8	602.0	9.2					Andesite. Fine grained and altered. Sheared between and 596.8.			

Foré par .....

Ingénieur dirigeant.

ORE RESERVES AND GRADE

at the

MINE SCHOOL

VAL D'OR

October 28, 1941

VEIN NO. 3

Level 125

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope (waste width)	Foot dollars Stope
			ORE SHOOT NO.1		
A-C	30"	1.12	33.6	10	2.8
"	5[illegible]	.95	55.1	-	4.59
"	84	.50	32.0	-	2.66
"	58	1.01	58.58	-	4.88
"	57	4.71	270.4	-	22.5
"	47	1.04	48.8	-	4.06
"	30	.35	1.05	10	0.087
"	56	1.23	18.88	-	5.74
"	45	1.05	47.25	-	3.93
"	58	1.04	60.32	-	5.02
"	76	1.19	90.44	-	7.53
"	49	1.96	96.04	-	8.00
"	41	.92	37.72	-	3.14
"	66	1.04	68.64	-	5.71
"	44	.85	37.40	-	3.11
"	65	.70	45.50	-	3.79
"	54	.54	29.16	-	2.43
"	62	.50	31.00	-	2.58
"	62	1.59	98.58	-	8.21
"	58	2.50	145.	-	12.08
"	39	12.60	491.4	-	40.95
"	54	.20	10.80	-	.09
"	33	.24	7.92	7"	.16
"	46	.96	44.16	-	3.68
"	41	.47	19.27	-	1.60

(Ore Shoot No. 1 continued)

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
A-C	28	.45	12.60	12	1.05
"	39	.83	32.37	1	2.69
"	52	.60	31.20	-	2.60
"	49	.58	28.42	-	2.36
"	51	.70	35.70	-	2.97
"	42	.52	21.84	-	1.82
"	26	.42	10.92	14	.90
"	21	.28	5.88	19	.49
"	22	.87	19.14	18	1.59
"	40	.93	37.20	-	3.1
"	64	1.03	65.93	-	5.49
"	35	2.33	81.55	5	6.79
"	13	4.16	54.08	27	4.50
"	42	.37	15.54	-	1.22
"	12	.28	3.36	-	.28
"	40	.45	18.00	-	1.50
"	62	.87	53.94	-	4.49
	1931			122	203.67 Total of Shoot No. 1
"	12	.73	8.76	38	.73
"	34	.69	23.46	6	1.95
"	50	.91	45.5	-	3.79
"	63	.66	41.58	-	3.46
"	43	.26	11.18	-	.93
"	52	.66	34.32	-	2.86
"	52	.87	45.24	-	3.77
"	52	.24	12.48	-	1.04
"	24	.55	13.20	16	1.10

(Ore Shoot No. 1 continued)

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
A-C	44	.26	11.44	-	.95
"	22	4.23	93.06	18	7.75
"	18	.77	13.86	22	1.15
"	20	.31	6.20	20	.50
"	18	.70	12.60	22	1.05
"	38	.40	15.24	2	1.27
"	45	.65	29.25	-	2.43
"	31	.16	4.96	9	.49
"	39	.50	19.50	1	1.60
"	88	.19	16.72	-	1.39
"	97	.29	28.13	-	2.34
"	71	.78	55.38	-	4.61
		ORE SHOOT NO. 2			
"	64	1.37	87.68	-	7.30
"	60	1.80	108.00	-	9.00
"	72	1.18	84.96	-	7.08
"	67	1.31	87.77	-	7.31
"	69	1.39	95.91	-	7.99
"	61	1.30	79.3	-	6.60
"	44	1.04	45.76	-	3.81
"	59	1.29	76.11	-	6.34
"	24	1.40	33.60	-	2.80
"	29	1.92	55.68	11	4.64
"	57	1.06	60.42	-	5.05
"	64	1.56	100.44	-	8.37
"	58	1.09	63.22	-	5.26
"	50	1.15	57.50	-	4.79

(Ore Shoot No. 2 Continued)

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
A-C	51	1.19	60.69	-	5.05
"	15	2.58	38.70	25	3.22
"	48	.65	31.20	-	2.60
"	49	.57	27.93	-	2.32
"	25	1.25	31.25	15	2.60
"	33	1.22	26.84	7	2.23
"	26	1.05	16.80	14	1.40
"	55	1.44	79.20	-	6.60
"	29	1.40	40.60	11	3.30
"	34	.52	17.80	6	1.47
"	63	.67	42.21	-	3.51
	4050			365	369.45 Total Blocks A-C
B-D	24	2.31	55.44	16	4.62
"	20	18.55	371.00	20	30.91
"	65	1.77	115.05	-	9.58
"	24	1.68	40.32	16	3.36
"	42	1.77	74.34	-	6.19
"	18	1.01	18.18	22	1.51
"	15	1.05	15.75	25	1.31
"	43	1.01	43.43	-	3.62
	1393			188	Total on Shoot No 2
"	72	.28	20.16	-	1.68
"	36	.24	8.64	-	.72
"	24	.49	11.76	16	.98
"	18	.24	4.32	22	.36
"	24	Tr.	-	16	-
"	28	.98	27.44	12	2.28

(Ore Shoot No. 2 continued)

Block		Assay	Inch dollars	W. W.	Foot dollars
	V.W.	$35.00 A.W.	Vein	40"Stope	Stope
B-D	30	.35	10.50	10	.87
"	36	1.12	40.32	4	3.26
"	36	.31	11.16	4	.93
"	29	1.05	30.45	11	2.53
"	20	.42	8.40	20	.70
"	36	.75	27.00	4	2.24
"	20	.63	12.60	20	1.05
"	14	.17	2.38	26	.20
"	11	.52	5.72	29	.47
"	12	.49	5.88	28	.49
"	24	.90	21.60	16	1.80
"	33	.25	8.25	7	.68
"	24	1.01	24.24	16	2.02
"	52	1.00	52.00	-	4.33
"	30	.28	8.40	10	.70
"	120	.25	30.00	-	2.50
"	15	.73	10.95	25	.91
"	53	.80	42.40	-	3.53
"	41	.40	16.40	-	1.36
"	26	.10	2.60	-	.21
"	22	.07	1.54	18	.13
"	34	.28	9.54	6	.79
"	38	.07	2.66	2	.22
"	35	.14	4.9	5	.41
"	39	.14	5.46	1	.45
"	31	.14	4.34	9	.36

(Ore Shoot No. 2 continued)

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
B-D	31	.14	4.34	9	.36
"	26	Tr.	-	14	-
"	34	.42	14.28	6	1.19
"	35	.07	2.45	5	.20
"	39	.52	20.28	1	1.69
"	48	.26	12.48	-	1.04
"	24	.73	17.52	16	1.46
"	11	.31	3.42	29	.28
"	27	.70	18.90	13	1.57
"	18	.24	4.32	22	.36
"	20	.70	14.00	20	1.16
	1627			571	275.45
Total:	5677		Total:	936	430.55

VEIN NO. 3

Level 250

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
E-G	13	1.15	14.95	27	1.24
"	12	.20	4.8	28	.40
"	15	.36	9.9	25	.82
"	15	.45	6.75	25	.56
	55			105	3.02
		O R E S H O O T No.1			
"	18	3.01	54.18	22	4.51
"	32	2.33	72.23	8	6.02
"	36	.31	11.16	4	.93
"	11	1.12	12.32	29	1.02
"	9	.28	2.52	31	.21
"	50	1.38	6.90	-	.57
"	46	2.27	109.42	-	8.70
"	22	3.01	66.22	18	5.51
"	19	1.61	30.59	21	2.54
"	14	5.04	70.56	16	5.88
"	21	3.08	64.68	19	5.39
"	29	.94	27.26	11	2.27
"	30	2.59	77.7	10	6.47
"	24	1.61	38.64	16	3.22
"	24	2.31	55.44	16	4.62
"	27	.35	9.45	13	.78
"	26	5.98	155.48	14	12.95
"	32	1.77	56.64	8	4.72
"	36	1.61	57.96	4	4.82
"	37	2.01	74.37	3	6.19

(Ore Shoot No.1 continued)

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope	
E-G	26	.38	8.53	14	.71	
"	20	1.33	26.60	20	2.21	
	644			409	93.26	Total Block E-G
F-H	19	.70	13.30	21	1.10	
"	26	.42	10.09	14	.91	
"	33	1.18	38.94	7	3.24	
"	40	1.04	41.60	-	3.46	
"	43	.21	9.03	-	.75	
"	58	.93	53.94	-	4.49	
"	46	1.08	49.68	-	4.14	
"	66	8.78	579.48	-	48.29	
"	61	2.54	154.94	-	12.91	
"	53	.34	18.02	-	1.50	
"	8	.17	1.36	32	.11	
"	9	.14	1.26	31	.10	
"	24	.42	10.08	16	.84	
"	27	2.24	60.48	13	5.04	
"	64	.23	14.7	-	1.22	
"	47	1.00	47.0	-	3.91	
	1213			451	182.25	Total Shoot No 1
"	59	.37	15.93	-	1.32	
"	38	.10	3.80	2	.31	
"	49	Tr.	-	-	-	
"	49	Tr.	-	-	-	
"	27	.04	1.08	13	.09	
"	41	-	-	-	-	

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
F-H.	26	0.05	1.30	14	.11
"	30	Tr.	-	10	-
"	38	Tr.	-	2	-
"	39	0.07	2.73	1	.22
"	18	-	-	22	-
"	18	Tr.	-	22	-
"	26	Tr.	-	14	-
"	44	0.07	3.08	-	.25
"	42	0.35	14.7	-	1.22
"	24	5.67	136.10	16	11.33
"	18	-	-	22	-
"	22	Tr.	-	18	-
"	16	0.28	4.48	24	0.37
"	22	.07	1.54		0.12
"	13	Tr.	-	27	-
"	18	102.90	1852.20	22	154.35
"	36	.35	12.60	4	1.05
"	36	.21	7.56	4	.63
"	36	.66	23.76	4	1.98
"	34	1.57	53.38	6	4.44
"	15	.73	10.95	25	.91
"	22	.21	4.62	18	.38
"	18	.94	16.92	22	1.41
"	66	0.51	33.66	-	2.80
"	39	0.77	30.03	1	2.50
"	18	.56	10.08	22	.84
"	12	.77	9.24	28	.77
"	13	.21	2.73	27	.22

Block	V.W.	Assay $35.00 A.W.	Inch dollar, Vein	W. W. 40"Stope	Foot dollar, Stope
F-H	16	.17	2.72	24	.22
"	26	.33	8.58	14	.71
"	46	1.08	49.68	-	4.14
"	46	.98	45.08	-	3.75
"	22	1.71	37.62	18	3.13
"	25	1.22	30.50	15	2.54
"	14	.42	5.88	26	.49
"	14	.28	3.92	26	.32
"	62	.42	26.04	-	2.17
"	60	.21	12.60	-	1.05
"	17	1.21	20.57	23	1.71
"	15	.21	3.15	25	.26
"	49	.38	18.12	-	1.55
"	37	.38	14.06	3	1.17
"	31	.52	16.12	9	1.34
"	39	.78	30.42	1	2.53
"	47	.41	19.27	-	1.60
"	16	.70	11.20	24	.93
"	26	.52	13.52	14	1.12
"	14	8.82	123.48	26	10.29
"	15	.28	4.2	25	.35
"	36	.31	11.16	4	.93
"	20	.21	4.20	20	.35
	1715			687	250.27

O R E S H O O T No.2

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
F-H	12	1.05	12.60	28	1.05
"	15	.52	7.80	25	.61
"	20	2.80	56.00	20	4.66
"	10	.70	7.00	30	.58
"	14	1.33	18.61	26	1.55
"	20	.35	7.00	20	.58
"	15	.98	14.70	25	1.22
"	14	.28	3.92	26	.32
"	14	.21	2.94	26	.24
"	12	.70	8.40	28	.70
"	23	1.22	28.06	17	2.33
"	16	.70	11.20	24	.93
"	22	6.30	138.60	18	11.55
"	17	39.90	678.30	23	56.52
"	18	1.61	28.98	22	2.41
"	15	.63	9.45	25	.78
"	22	1.47	32.35	18	2.69
"	17	4.27	72.59	23	6.04
	296			424	94.76 Total Shoot No 2
"	20	.42	8.40	20	.70
"	16	.14	2.24	24	0.18
"	20	.17	3.40	20	.28
"	15	Tr.	-	25	-
"	35	.08	2.80	5	.23
"	12	.14	1.68	28	.14
"	49	.09	4.41	-	.36
"	22	Tr.	-	18	-

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
F-H	17	Tr.	-	23	-
"	13	.10	1.3	27	.11
"	20	Tr.	-	20	-
	239	-		210	2.00

O R E S H O O T No. 1

VEIN NO. 3

Level 375

Block	V.W.	Assay $35.00 A.V.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
I-K	15	.66	9.90	25	.82
"	15	2.62	39.30	25	3.27
"	15	4.38	65.70	25	5.47
"	15	4.06	60.90	25	5.07
"	38	1.94	73.70	2	6.14
"	15	1.80	27.00	25	2.25
"	18	.28	3.24	22	0.27
"	15	.37	5.55	25	.46
"	5	Tr.	-	35	-
"	39	.64	24.99	1	2.08
"	44	.77	33.88	-	2.82
"	20	1.71	34.20	20	2.85
"	35	1.01	35.35	5	2.94
"	20	44.76	89.52	20	7.46
"	18	2.90	52.20	22	4.35
"	18	1.75	31.50	22	2.62
"	38	2.10	79.80	2	6.65
"	37	.79	29.23	3	2.43
"	13	1.59	20.67	27	1.72
"	36	1.28	46.08	4	3.84
"	28	1.36	38.08	12	3.17
"	13	.84	10.92	27	.91
"	12	1.43	17.16	28	1.43
"	18	.42	7.56	22	.63
"	12	1.64	19.68	28	1.64
"	16	1.47	25 32	24	1.96

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
I-K	15	1.78	26.70	25	2.22
	583			501	75.47
"	15	.21	4.41	25	.36
"	18	.77	13.86	22	1.15
"	20	.10	2.00	20	0.16
"	15	.10	1.50	25	.12
"	24	Tr.	-	16	-
"	18	.10	1.80	22	.15
"	20	1.36	27.20		2.26
	713			631	79.67
J-L	46	3.25	149.50	-	12.45
"	26	.87	22.62	14	1.88
"	53	.87	46.11	-	3.84
"	40	.28	11.20	-	.93
"	40	.35	14.00	-	1.16
"	18	Tr.	-	22	-
"	22	1.26	27.72	18	2.31
"	36	.17	6.12	4	.51
"	18	.10	1.80	22	.15
"	30	.17	2.89	10	.24
"	20	.28	3.60	20	.30
"	18	.07	1.26		1.05
"	14	.10	1.4	26	.12
"	42	.98	41.16	-	3.43
"	38	1.26	47.88	2	3.99
"	36	.70	25.20	4	2.10
"	39	1.15	44.85	1	3.73

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
J-L	32	Tr.	-	8	-
"	20	.52	10.40	20	0.86
"	35	.31	10.85	5	0.90
"	18	1.57	28.26	27	2.35
"	42	.31	13.02	-	1.08
"	48	.58	27.84	-	2.32
"	57	.36	20.52	-	1.71
"	14	-	-	26	-
"	24	4.72	113.28	16	9.44
"	20	2.40	48.00	20	4.00
"	15	.10	1.5	25	.12
"	28	.07	1.9¢	12	.16
"	30	.10	3.00	10	.25
"	27	.24	6.48	13	.54
"	24	1.00	24.00	16	2.00
"	20	.17	3.40	20	.28
"	18	.14	2.52	22	.21
"	15	.10	1.50	25	.12
"	18	.14	2.52	22	.21
"	36	.19	6.84	4	.57
disparaties	~~1790~~			~~1060~~	~~144.~~98
"	15	.10	1.50	25	.12
"	20	.42	8.40	20	.70
"	15	1.00	15.00	25	1.25
"	20	.28	4.80	20	.40
"	42	.07	2.94	-	.24
"	48	.14	6.72	-	.56
"	20	.17	3.40	20	.28

Block	N.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
J-L	18	.07	1.26	22	.10
"	20	1.00	20.00	20	1.66
"	24	.10	2.4	16	.20
"	32	.10	3.20	8	.26
"	19	1.01	19.19	21	1.59
"	24	-	-	16	-
"	18	Tr.	-	22	-
"	15	.17	2.55	25	.21
"	12	.21	2.52	28	.21
"	18	.98	17.64	22	1.47
"	22	1.05	23.10	18	1.92
"	24	2.10	50.40	16	4.20
"	30	.63	18.90	10	1.57
"	30	Tr.	-	10	-
"	30	.87	26.10	10	2.17
	~~516~~ 1573			~~374~~ 803	~~19.11~~ 84.42

VEIN NO. 3

Level 500

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
M.	18	.56	10.08	22	.84
"	18	.35	6.30	22	.52
"	15	.45	6.75	25	5.62
"	15	1.01	15.15	25	1.26
"	18	.49	8.82	22	.73
"	15	4.94	74.10	25	6.17
"	17	.82	13.94	23	1.16
"	34	.47	15.98	6	1.33
"	35	1.18	41.30	5	3.44
"	20	-	-	20	-
"	12	-	-	28	-
"	40	1.89	75.60	-	6.30
"	20	Tr.	-	20	-
"	20	Tr.	-	20	-
"	15	.52	7.80	25	.65
"	38"	.17	6.46	2	.53
"	9	.24	2.16	31	.18
"	27	.17	2.89	13	.24
"	8	.24	1.92	32	.16
"	24	.05	1.20	16	.10
"	15	-	-	25	-
"	42	.03	1.26	8	.10
"	26	.78	20.28	14	1.69
"	23	.28	6.44	17	.53
"	7	1.26	8.82	33	.73

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
M.	10	.38	3.8	30	.31
"	23	.25	5.75	17	.47
"	13	.17	2.21	27	.18
"	12	Tr.	-	28	-
"	18	1.37	24.66	22	2.05
	597			603	35.29
N-O	24	13.44	322.56	16	26.88
"	12	63.88	760.56	28	63.38
"	7	.31	2.17	33	.18
"	42	.40	16.80	-	1.40
"	10	Tr.	-	30	-
"	27	.23	6.21	13	.51
"	10	.40	4.00	30	.33
"	28	1.43	40.04	12	3.33
"	65	1.10	71.50	-	5.95
"	18	.35	6.30	22	.52
"	20	.48	9.60	20	.80
"	24	1.90	45.60	16	3.80
"	36	.35	12.60	4	1.05
"	42	.35	14.70	-	1.22
"	20	.77	15.40	20	1.28
"	15	.21	3.15	25	0.26
"	20	1.89	37.80	20	3.15
"	45	1.09	49.05	-	4.08
"	20	.45	9.00	20	.75
"	12	.66	7.92	28	.66
"	23	.38	8.74	17	.72

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
N-O	18	1.89	34.02	22	2.83
"	20	1.15	23.00	20	1.91
"	18	.91	16.38	22	1.36
"	20	.21	4.20	20	.35
"	15	1.19	17.85	25	1.48
"	26	.10	2.6	14	.21
"	37	.38	14.06	3	1.17
"	36	.52	18.72	4	1.56
"	32	.49	15.68	8	1.30
"	27	1.50	40.50	13	3.37
"	15	.17	2.55	25	2.1
"	20	.38	7.60	20	.63
"	24	Tr.	-	16	-
"	18	.07	1.26	22	.10
"	30	1.22	36.60	10	3.05
"	20	2.90	58.00	20	4.83
"	24	.70	16.80	16	1.40
"	18	.94	16.92	22	1.41
"	48	.31	14.88	-	1.24
"	47	.42	19.74	-	1.64
"	18	.24	4.32	22	.36
"	20	.14	2.80	20	.23
"	54	.19	10.26	-	.85
"	24	Tr.	-	18	-
"	36	.73	26.28	4	2.19
"	6	.80	4.80	34	.40
"	48	Tr.	-	-	-

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40" Stope	Foot dollars Stope
N-O	23	.21	4.83	17	.40
"	75	.35	26.25	-	2.18
"	48	.09	4.32	-	.36
"	60	.37	22.20	-	1.85
"	60	.12	7.20	-	.60
"	36	.05	1.80	4	.15
"	59	.93	54.87	-	4.57
"	48	.14	6.72	-	.56
"	6	.28	1.68	34	.14
"	108	.07	7.56	-	.63
"	93	.04	3.72	-	.31
"	24	.17	4.08	16	.34
"	52	.18	9.36	-	.78
"	66	.04	2.64	-	.22
"	84	.07	5.88	-	.49
"	60	.23	13.80	-	1.15
	2151			825	170.95

VEIN NO. 216

Level 250

Block	V.W.	Assay $35.00 ~~A.W.~~	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
	18	4.27	76.86	22	6.40
	18	Tr.	-	22	-
	18	.80	14.40	22	1.20
	18	1.92	34.56	22	2.88
	18	1.96	35.28	22	2.94
	17	1.78	30.26	23	2.52
	18	2.90	52.20	22	4.35
	15	15.15	227.25	25	18.93
	18	8.57	154.26	22	12.85
	15	3.74	56.10	25	4.67
	20	0.63	12.60	20	1.05
	20	1.85	37.00	20	3.08
	18	.49	8.82	22	.73
	16	2.13	34.08	24	2.84
	15	34.51	517.65	25	43.13
	18	3.30	59.40	22	4.90
	20	1.01	20.20	20	1.68
	55	2.85	156.75	-	13.06
	18	3.39	61.02	22	5.08
	30	2.48	74.40	10	6.20
	25	.73	18.25	15	1.52
	32	1.69	54.08	8	4.51
	15	1.01	15.15	25	1.26
	16	.80	12.80	24	1.06
	9	1.50	13.50	31	1.12
	12	3.29	39.48	28	3.29

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
	12	1.15	13.80	28	1.15
	24	1.22	29.28	16	2.44
	18	0.52	9.36	22	.78
	42	.94	39.48	-	3.29
	18	2.90	52.20	22	4.35
	18	.87	15.66	22	1.30
	24	4.16	99.84	16	8.32
	30	4.44	133.20	10	11.10
	698			679	190.38
	24	.26	6.24	16	.52
	13	.105	13.65	27	1.13
	20	.21	4.20	20	.35
	12	1.78	21.36	23	1.78
	18	.10	1.80	22	0.15
	20	.52	10.40	20	.86
	20	.10	2.00	20	.16
	25	.07	1.75	15	.14
	18	Tr.	-	22	-
	34	.49	16.66	6	1.38
	20	.21	4.20	20	.35
	20	-	-	20	-
	18	.14	2.52	22	.21
	25	Tr.	-	15	-
	31	.07	2.17	9	.18
	62	-	-	-	-
	18	.21	3.78	22	.31
	88	.37	32.56	-	2.71
	72	-	-	-	-

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
B	21	7.21	151.41	19	12.61
	29	14.56	422.24	11	35.18
	12	54.74	656.88	22	54.74
	30	1.19	35.70	10	2.97
	32	3.39	108.48	8	9.04
	21	1.68	35.28	19	2.94
	20	49.10	983.00	20	81.83
	22	1.57	34.54	18	2.87
	30	15.12	453.60	10	37.80
	30	.35	10.50	10	.87
	24	8.01	192.24	16	16.02
	36	1.39	50.04	4	4.17
	568			173	261.04
	48	.59	28.32	-	2.36
	18	-	-	22	-
	46	.72	33.12	-	2.76
	23	19.46	447.58	17	37.29
	42	.44	17.64	-	1.47
	19	1.07	20.33	21	1.69
	12	.87	10.44	28	.87
	24	.49	11.76	16	.38
	36	.82	29.52	4	2.46
	18	.42	7.56	22	.63
C	15	3.36	50.40	25	4.20
"	60	.17	10.20	-	.85
"	18	4.16	74.88	22	6.24
"	22	7.63	167.86	18	13.98

Block	V. W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
	20	4.72	94.40	20	7.86
	135			135	33.13
	12	.52	6.24	28	.52
	20	.73	14.60	20	1.21
	15	.24	3.60	25	.30
	42	1.31	5.50	-	.46
	15	.45	6.75	25	.56
	61	.83	50.63	-	4.21
	12	2.52	30.24	28	2.52
	27	.24	6.48	13	.54
	10	.49	4.90	30	.41
	21	1.82	38.22	19	3.18
	2219			1559	552.80

VEIN No. 409

Level 500

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
A	36	.56	20.72	4	1.72
"	18	1.05	18.90	22	1.57
"	18	.24	4.32	22	.36
"	18	2.52	45.36	22	3.78
"	40	1.80	72.00	-	6.00
"	18	.14	2.52	22	.21
"	18	1.96	35.28	22	2.94
"	50	.93	46.50	-	3.87
	216			114	20.45
B	34	.19	6.46	6	.53
"	57	-	-	-	-
"	20	-	-	-	-
"	38	.79	30.02	2	2.50
"	20	.34	7.60	20	.63
"	10	.38	3.80	30	.32
"	15	.38	5.70	25	.47
"	18	.14	2.52	22	.21
"	15	.28	4.20	25	.35
"	20	.45	9.00	20	.75
"	15	1.78	26.70	25	2.22
"	15	.42	6.30	25	.52
"	18	.51	9.18	22	.76
"	11	2.66	29.26	29	2.43
"	14	.66	9.24	26	.77
"	12	.94	11.28	28	.94
"	20	.17	3.40	20	.28

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W.W. 40"Stope	Foot dollars Stope
C	24	.98	23.52	16	1.96
"	24	2.97	71.28	16	5.94
"	18	1.92	34.56	22	2.88
"	12	Tr.	-	28	-
"	18	.17	3.06	22	.25
"	12	1.40	16.80	28	1.40
"	16	2.66	47.88	22	3.99
"	18	.24	4.32	22	.36
"	20	1.33	26.60	20	2.21
"	20	1.19	2.38	20	.19
"	18	1.40	25.20	22	2.10
"	18	.70	12.60	22	1.05
"	20	.49	9.80	20	.81
"	21.	Tr.	-	19	-
"	24	.91	21.84	16	1.82
"	24	.38	9.12	16	.76
"	12	1.78	21.36	28	1.78
"	33	.31	10.23	17	.85
"	12	1.05	12.60	28	1.05
"	15	2.24	33.60	25	2.80
"	11	.35	3.85	29	.32
"	14	1.82	25.48	26	2.12
"	23	.43	9.89	17	.82
"	30	.17	5.10	10	.42
"	35	.21	7.35	5	.61
"	30	.70	21.00	10	1.75
"	20	.49	9.80	20	.81
"	54	.98	52.92	-	4.41
"	18	.84	15.12	22	1.26

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
C	20	1.99	39.80	20	3.31
"	50	8.85	442.50	-	36.87
"	15	.14	2.10	25	.17
"	48	.18	8.64	-	.72
"	60	.23	13.80	-	1.15
"	28	.24	6.72	12	.56
"	15	.49	7.35	25	.61
"	52	.65	33.80	-	2.81
"	54	.16	8.64	-	.72
"	25	.24	6.00	15	.50
"	45	.07	3.15	-	.26
"	18	Tr.	-	22	-
"	38	.19	7.22	2	.60
"	41	.28	11.48	-	.95
"	45	1.09	49.05	-	4.08
"	40	.38	15.20	-	1.26
"	25	.28	7.00	15	.58
"	48	.53	25.44	-	2.12
"	24	.07	1.68	16	.14
"	15	.14	2.10	25	.17
"	22	.14	3.08	18	.25
"	20	.28	5.60	20	.46
"	30	.17	5.10	10	.42
"	20	.38	7.60	20	.63
"	25	.17	4.25	15	.35
"	14	.94	13.16	26	1.09
"	17	.35	5.95	23	.49
"	36	.10	3.60	4	.30
"	19	.70	13.30	21	1.10

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
C	13	1.75	22.75	27	1.89
"	30	48.96	1468.8	10	122.40
	1568			939	231.68
D	15	.10	1.50	25	.12
"	11	.10	1.10	29	.09
"	18	4.06	73.08	22	6.09
"	14	.49	6.86	26	.57
"	18	.21	3.78	22	.31
"	12	.45	5.40	28	.45
"	12	Tr.	-	28	-
"	12	Tr.	-	28	-
"	18	Tr.	-	12	-
"	35	Tr.	-	5	-
"	16	1.43	21.60	24	1.80
"	33	1.35	44.55	7	3.71
"	24	.24	3.36	16	.28
"	18	.42	7.56	22	.63
"	24	.21	5.04	16	.42
"	20	.24	4.80	20	.40
"	15	.35	5.25	25	.43
"	20	.30	6.00	20	.50
"	18	.35	6.30	22	.52
"	20	.10	2.00	20	.16
"	12	.87	10.44	28	0.87
"	18	.24	4.32	22	.36
"	18	.42	7.56	22	.63
"	18	.28	5.04	22	.42
"	12	.66	7.92	28	.66
"	12	2.27	27.24	28	2.27

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
D	24	.38	9.12	16	.76
"	12	1.25	1.50	28	.12
"	12	Tr.	-	28	-
"	15	.52	7.80	25	.65
"	14	.79	11.06	26	.92
"	15	.38	5.70	25	.47
"	30	.50	15.00	10	1.25
"	15	.21	3.15	25	.26
"	18	.28	5.04	22	.42
"	20	.77	15.40	20	1.28
"	25	.21	5.25	15	.43
"	38	.22	8.36	2	.69
"	30	.23	6.90	10	.57
E	36	-	-	4	-
"	39	.58	22.62	1	1.88
"	36	.94	24.44	4	2.03
"	9	1.29	11.61	31	.96
"	20	1.61	32.20	20	2.68
"	10	7.98	79.98	30	6.65
"	18	.94	16.92	22	1.41
"	15	11.75	17.62	25	1.46
"	18	.42	7.56	22	.63
"	18	.21	3.78	22	.31
	3087			2378	313.33

VEIN NO. 309

Level 375

Block	V.W.	Assay $35.00 A.W.	Inch Dollars Vein	W. W. 40" Stope	Foot dollars Stope
	15	.28	4.20	25	.35
	22	.53	11.66	18	.97
	24	.10	2.40	16	.20
	22	.72	15.84	18	1.32
	80	1.22	97.60	-	8.13
	20	2.27	45.40	20	3.70
	20	.10	2.00	20	.17
	20	.21	4.20	20	.35
	41	.88	36.08	-	3.01
	27	.19	5.13	13	0.42
	27	.89	24.03	13	2.00
	30	1.35	40.50	10	3.37
	24	.28	6.72	16	.56
	18	.73	13.14	22	1.09
	24	.35	8.4	16	.70
	18	.14	2.52	22	.21
	24	1.89	45.36	16	3.78
	18	.21	3.78	22	.31
	60	.79	4.74	-	.39
	36	.45	16.20	4	1.35
	18	.98	17.64	22	1.43
	12	.52	6.24	28	.52
	12	.42	5.04	28	.42
	18	.24	4.32	22	0.36
	10	.80	8.00	30	.66
	14	Tr.	-	16	-

Block	V.W.	Assay $35.00 A.W.	Inch dollars Vein	W. W. 40"Stope	Foot dollars Stope
	9	.10	0.90	31	.07
	27	.44	11.88	13	.99
	21	1.94	40.74	19	3.39
	20	.91	18.20	20	1.51
	33	.78	25.74	7	2.14
	28	.21	5.88	12	.49
	40	.35	14.00	-	1.36
	18	.14	2.52	22	.21
	20	.35	7.00	20	.58
	20	.21	4.20	20	.35
	18	Tr.	-	22	-
	24	1.29	30.96	16	2.58
	25	.14	3.50	15	.29
	11	.84	9.24	29	.77
	968			683	50.50

ORE RESERVES AND GRADE

at the

MINE SCHOOL

VAL D'OR

October 28TH 1941

SUMMARY

The mine is located in the township of Dubuisson, Abitibi, Province of Quebec.

The Mine-School has been developed on four levels from a vertical shaft which was sunk to a depth of 500 feet. Three differents systems of veins were opened along which values in gold were found in the course of development.

Vein No. 3 was opened up on the four levels, it strikes about north 45° east and dips about 50° to the north.

Vein 309-409 was discovered on the 3rd and 4th levels. It strikes east-west and dips 50° to 60° to the north.

Vein 216, was developed on the 2nd level only. It strikes N. 70° W and dips about 50° to the north.

One stope was opened on vein No. 3 from the second level up to the first level and at present the stope is continued from this level toward the surface. The ore reserve was estimated as probable ore from the results of systematic channel sampling across the veins on each drift.

The average grade is low, but selective mining could probably mine some of the ore without loss if the cost of mining is very low.

The calculation were made by taking a stoping which of 40 inches in each vein.

In vein No. 3 the total tonnage is 92,717 tons with an average grade of $.794 per ton.

In vein 216 the tonnage was estimated for half a level above and below drift 216. It would give a tonnage of: 18249 tons with an average grade of $1.756.

Vein 309-409 is very low grade. The best sections contain at present 31567.2 tons of ore with an average grade of: $0.752/ton.

In vein No. 3, two sections of higher grade could be considered as ore shoots. Tonnage and grade calculated in these ore shoots gave the following values:

Ore shoot No. 1: Tonnage: 20185 T
Grade : $1.175

Ore shoot No. 2: Tonnage: 8569 T
Grade $1.44

All through the process the following assumptions were made:

(1) The grade and width of the vein in the drifts is representative for half of the vertical distance between the levels.

(2) The correction for dip is based on an angle of 50°.

(3) No ore has been withdrawn from the present stopes.

(4) Stoping width: 40 inches.

(5) All calculation was based on the price of gold at $35.00 an ounce.

(6) Wall rock contains no value in gold.

ESTIMATION OF GRADE

In order to obtain representative figures on the grade of ore, all the channel assays taken at about every five feet in the drift were transformed into foot-dollars. The ore was sub-divided into Block in order to facilitate calculation.

STOPING WIDTH

All samples were calculated with a stoping width of 40 inches. As the grade was low and the veins rather steep, it was estimated that a stoping width of 40 inches was the maximum that could be mined and that wider stopes would give too great a dilution.

The widths of the vein in the channels were added up and the total foot-dollars values divided by the total width gave the average grade for each block.

It was assumed that the values along the drifts was representative for the ore in each block for a vertical distance of 62.5 feet (half a level) above and below the drifts.

HIGH ASSAYS

In the present estimation no correction was made for the high erratic assays because: (1) Most of the gold in the ore is present as free gold and the high assays account for frequent patches of free gold present in the ore as was proven in the stope between the 1st and 2nd levels. (2) The channel samples were taken at intervals of five feet or less and high assays are usually accompanied by values in gold above average grade. (3) There are very few assays high enough to be cut down.

GRADE OF ORE IN ORE SHOOTS

Besides estimating the grade and tonnage of ore in the blocks, another set of figures were obtained from sections which were richer and connected from level to level in No 3 vein so that these sections could be considered as ore shoots.

In the most westerly of these ore shoots, ore has been withdrawn from a stope connecting the 1st and 2nd level. A mill test on this ore gave a grade of about $1.25. The average grade of the same ore shoot as calculated from the assay results along the drifts gave: $1.175 per ton. The difference between the two results is possibly explained by the fact that the stope was opened up in a limited portions of the ore shoot, and the result calculated was obtained for the total ore shoot including ore of lower grade and narrower sections of the vein in which dilution decreased the grade.

ESTIMATION OF TONNAGE

The length of each block or ore shoot was obtained by direct measurement between surveying stations so as to connect for horizontal deflections in the veins.

The vertical distance of the blocks was obtained by taking half the distance between the levels and correcting for average dip which is 50° for most veins.

The average width for each block was obtained by dividing the total width by the number of channel samples.

The tonnage of the three porphyry dykes which cut vein No. 3 was calculated and subtracted from the total tonnage of this vein because the grade in most of these dyke is far below grade.

TONNAGE FACTOR

We had to decide on a tonnage factor in order to convert volumes into tons of ore and rock. The average composition of the ore is:

Sulphide:	2%	Pyrite, feet^3 per ton	6.40
Carbonate:	3%	Calcite	11.80
Quartz:	95%		12.07

2%	pyrite	at 6.40	cubic	feet	per	ton	= 0.128
3%	calcite	at 11.80	"	"	"	"	= 0.354
95%	Quartz	at 12.07	"	"	"	"	= 11.46
							11.952

Porosity of the ore 5%

So : 11.952 ---------- 95
x ---------- 100

Tonnage factor of ore = $\frac{11.952 \times 100}{95} = 12.5$

TONNAGE FACTOR OF THE WALL ROCK

The specific gravity of a specimen of andesite was determined; andesite Sp. gr: 2.665

The porosity of the wall rock is taken care of in this determination of the specific gravity, but we add 4% because there are numerous vugs, cavities and fissures in the wall rock which were not represented in the small specimen in hand.

Tonnage factor of the wall rock:

$$\frac{2000 \times 104}{2.665 \times 62.5 \times 100} = 12.49$$

To facilitate calculation the tonnage factor of both wall rock and vein material were taken as being 12.5.

The tonnage factor of porphyry: 12.3 was obtained from tables.

RESULTS

VEIN NO. 3

Level	Block	Tonnage		Grade
125	A	12334.0		1.004
"	B	6196.6		0.598
"	C	12334.0		1.004
"	D	6196.6		0.598
125	Total	37061.2	Aver. Gr.	$0.801
250	E	1908		$1.04
"	F	11182		1.16
"	G	1908		1.04
"	H	11182		1.16
125	Total	26180	Aver. Gr.	1.11
375	I	3651		.711
"	K	3651		.711
"	J	7698		.42
"	L	7698		.42
375	Total	26349	Aver. Gr.	0.565
500	M	3821		.35
"	N	6316		.69
"	O	6316		.69
500	Total	12632		.69

Block M was omitted because the drift and assays are outside of the ore body and are not representative.

Total tonnage for No. 3 vein: 102222 tons

Average grade for No. 3 vein: $ 0.794

Tonnage of dykes: 9505 T.

Tonnage net of No. 3 vein: 126882-9505 = 92717 Tons

ORE SHOOT NO. 1

Level	Block	Tonnage	Grade
125	in A	4712	1.191
"	in C	4712	1.191
250	in E	3914	1.33
	in G	3914	1.33
375	in I	2933	.835
Ore Shoot No. 1	Total	20185	Average grade $1.175

ORE SHOOT NO. 2

125	in A	4147	1.37
"	in C	2835	1.37
250	in F	1587	1.58
Ore Shoot No. 2	Total	8569	Average grade $1.44

VEIN 309 - 409

375	K	5575.2	$0.367
"	L	5575.2	0.367
500	A	1121.5	0.743
"	F	1121.5	0.743
"	G	7344.	1.108
"	H	7344.	1.108
"	E	1693	0.60
"	J	1693	0.60
	Total	31567.2	Average grade $0.752

VEIN 216

Level 250.

Length: 401

Width : 3.49

Hight : 163.00

Tonnage: $\frac{401 \times 163 \times 3.49}{12.5} = 18249.3T$

Average grade: $\frac{552.8}{314.8} = \$1.756$

There are in drift 216, portions with higher grade ore which could possibly be considered as ore shoots. But it is not possible in the present stage of development to estimate the tonnage of these ore shoots.

Block A: Grade $ 1.66

" B: " 4.24

" C: " 2.69

GEOLOGICAL FEATURES AND POSSIBILITIES

A study of No 1 ore shoot in vein No 3 as it appears on the longitudinal section seems to indicate that this ore shoot has a pronounced rake toward the west. This rake seems to be possibly governed by the dip of the two main porphyry dykes. It is therefor possible that in the lower levels this ore-shoot could be found again farther to the west of the present workings.

Unfortunately such a rake would necessarily bring the ore shoot outside of the property at depth around the 8th or 9th level.

All of vein 216 is outside the property of the Mine School but as it dips north, north-east it will gradually enter the property with the form of a wedge around the 4th level.

Mr. Grant the mine manager tells me that in a raise recently started on vein No 3 between levels 2 and 3 a fair amount of free gold has been seen. The average assay has been $2.86 over 18 inches for a height of 64 feet.

28 Oct 1941

F. C. Teague

APPENDIX

Since the above report was written, additional work has been done on the lower levels in which good values in gold were located.

In 305-1 stope above the 3rd level, the vein became richer and supplied a 459 tons of ore in which the values in gold were distributed as follows:

February:	160 tons	
March:	181 tons	.84 oz./T.
April:	118 tons	1.345 oz./T.

During the month of March, a pocket of gold was found in the stope out of which 120 lb. of very high grade ore was hand-picked from the muck and yielded by direct melting 103 ounces of bullion. Adding this gold to the value of the stope ore increased the average assay from 0.401 to approximately 0.84 oz./T. This rich ore came from the pocket in the northeast end of the stope.

Such high grade ore was located immediately above the 305 drift in which the channel samples showed very low values in gold.

On the fourth level, there are now two drifts following an east-west fracture system and carrying good values in gold. One is the 409-west drift which was displaced to the north about 30 feet by a swing of the fracture system. West of this swing, the vein has an east-west strike and north dip with a width of 18 to 44 inches and values in gold up to $10.24 per ton. In the bend and east of it, the 309 vein contains values in gold varying around $1.50 and $2.00 over widths of 11 to 40 inches.

The other vein, 70 feet to the north of 409-W, is along the 405 B drift which follows an east-west vein for a distance of 145

feet. This vein dips about 50° toward the north and at its eastern extremity it swings toward the south and seems to connect with the northern extremity of the bend mentionned above in the 409-west vein. In the 405-B vein the width varies between 24 and 56 inches and it carries values in gold up to $134.21 per ton but the average is $12.36 (35.00 gold) over a width of 40 inches for a distance of 90 feet.

The last reports from Mr. Grant indicate that the ore at the face of both 405-B and 309-West if of low grade.

A vertical cross-section (direction north 15° east) seems to indicate that the 405-B vein might be the downward prolongation of 216 vein on the second level. At least they probably belong to the same vein system as well as the 409-W vein. If this interpretation is correct, we have here a system of fractures which carry good values in gold and which may be accompanied by similar veins on the lower levels in this part of the mine. It is therefore advisable to send horizontal diamond drill holes both north and south from 405-B and 409W. in order to explore for veins of the same type in the vicinity.

RESUME

Total tonnage and average grade of probable ore:

	Tonnage	Grade	
Vein No.3	117378	$0.794	($35.00)
No.216	18249	$1.756	
No.309-409	31568	$0.752	
Total	167195	$0.891	

The high grade ore found in the stope above the 3rd level would raise slightly the average grade of the ore but as most of this

rich ore has been stoped out, it was not included in the calculations.

The ore found in veins 409 West and 405-B would also increase the tonnage and grade, but the amount of development is not sufficient to permit any kind of estimation at present.

	Length	Average Width	Average Grade
Vein 409-West ...	58'	32"	$3.85
Vein 405-B	90'	40"	$12.37 ($35.00)

May 1942

F. E. Seeger

MINE ECOLE PROVINCIALE

NOMBRE DE PIEDS DE GALERIES & TRAVERS-BANCS

Par GALE - travaux latéraux avant le 24 mars 1938		2370 pieds
MINE ECOLE (3 mois)	24 mars au 30 juin 1938	372
" " (12 mois)	30 juin 1938 au 30 juin 1939	3550
" " (12 mois)	30 juin 1939 au 30 juin 1940	4200
" " (8 mois)	30 juin 1940 au 28 février 1941	2400

total - 12892 pieds

du 30 juin 1940 au 28 février 1941
on a supposé une moyenne de
3500 pieds par année ou
300 pieds par mois.

donc un total au 1er mars 1941
d'environ 12900 pieds de galeries +
travers-bancs.

↓

13000.

NOTE FOR MR. DUFRESNE

PROVINCIAL MINE SCHOOL

Val d'Or, P.Q.

Ore reserves as estimated by P.E. Auger in a report to Mr. A.O. Dufresne, dated Oct. 28, 1941.

My estimates were made on the basis of a 40 inch stoping width which introduces a large amount of dilution by waste rock and lowers the average grade of the veins.

Very low grade zones were left aside and were not included in the calculation. There was no attempt made to limit the evaluation to vein matter that would be considered as ore in a normal mining operation. This being a Mine-School, operated on a cheap-labour basis, an attempt was made to consider only the ore that would show an average value of $0.75 (gold at $35.00) or more in gold per ton.

This explains why the tonnage as calculated in my report of Oct. 28, 1941, is higher and the average grade lower than that obtained by G. Grant in his report of March 17th, 1944.

He considered only the vein widths without any allowance for dilution during stoping operations. Furthermore, G. Grant selected for his estimate only the portions of veins that proved by assaying or mill-test to average at least $3.50 (gold at $35.00) in gold per ton or more.

For purpose of comparison the estimates made in 1941 are presented below in the form of a table similar to that prepared by G. Grant in his report of March 17th, 1944.

TABLE

Location	Length Ft.	Width Ft.	Tons	Oz./Ton	Gold Fine ozs.
216 Drift	401	3.49	18249	0.05	916
No.3 vein from 62' above 125' level to 62' below 500' level	---	----	92712	0.023	2105
Vein 309-409 from 62' above 375' level to 62'below 500' level ..	---	----	31568	0.021	675
Total			142529	0.026	3696

In calculating these reserves it was assumed that the assays in the workings were representative of the vein for half the vertical distance between the levels, that is 62.5'.

In this table, lengths and widths of No.3 vein and vein 309-409 are not shown because the lengths vary considerably from level to level and the average width of the veins is less than the selected 40 inch stoping width which I used in calculating the tonnages.

In my report of 1941 I made an estimate of richer portions of vein No.3. These were called: Ore shoots No.1 and No.2.

	Tonnage	Oz./Ton	Gold Fine Ozs.
Ore shoot No.1 ...	20185	0.034	678
Ore shoot No.2 ...	8569	0.04	344
Total	28754	0.35	1022

It is to be noted that these figures are included in the general estimate of No.3 vein shown above.

F.E. Auger.

Quebec, April 1st, 1944. P.E. Auger.