

GM 04485-B

DIAMOND DRILL RECORD, DAINE-GUETTARD

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Énergie et Ressources
naturelles

Québec 

PROPERTY Daine-Guettard

DIAMOND DRILL RECORD

SHEET NUMBER 1

TOTAL DEPTH 401 feet

CO-ORDINATES COLLAR

HOLE NUMBER 57-10

LOCATION The Boat

LAT.

DEP: $3+77^{\circ}$ at 325° } From o point
 $1+30$ at 235° } control line #1

Depth Tube Rdg. Corrected Dip

LOGGED BY P. L. Money

ELEVATION COLLAR

Approx 30' above Lac La Treve

0	-	45°
100	48°	41°
200	47°	40°
300	47°	40°
400	47°	40°

DATE BEGUN Feb. 9, 1957

BEARING S 35°E

DATE FINISHED Feb. 12/57

ANGLE 45° (initial)

(New Jersey Zinc Exp. Co.)

LOG FORM NO. 9

CORE FOOTAGE

CORE SAMPLE NO.

ASSAY

DESCRIPTION

FROM TO LENGTH

0 41

41 143

PUBLIC

QUEBEC DEPARTMENT OF MINES

OCT 1 - 1957

MINERAL DEPOSITS BRANCH

No G M

4485-B

OVERBURDEN: Sand with occasional boulders to 10 feet thereafter sand.

GREYWACKE: Fine-grained to extremely fine-grained, medium grey. The fine-grained variety has a speckled appearance due to containing many white feldspar grains. Bedding is poor generally. The extremely fine-grained variety does not have visible feldspars. Bedding is well developed, beds being a fraction of an inch to nearly two inches in thickness and are distinguished by being various shades of grey. Bedding is generally at or near to 90° to the core although this is somewhat variable. The greywacke contains scattered specks pyrite (probably syngenetic) throughout usually on bedding planes. It is cut by numerous epidote and occasional quartz veins. The epidote veins usually carry minor pyrite.

41.0-43.0 Mainly the fine-grained type. Shows rusty weathering.

42.5 Epidote stringer about 1/2" wide, minor associated pyrite, at 45° to core.

43.0-44.5 The extremely fine-grained type. Bedding 90° to the core.

44.5-48.1 The fine grained type. Feldspar grains up to 1 mm. diameter cut by numerous small irregular epidote

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					veins containing a few specks pyrite.
					48.1-75.5 The fine-grained type occasionally grading into the extremely fine-grained type and showing some bedding at 90° in the fine-grained type. A few small epidote stringers and pyrite throughout the rock.
					50.0 Epidote vein 1/2" wide at 45° containing about 20% pyrite
					50.1-50.3 A highly abraded group of pebbles in a fine-grained matrix - pebbles siltstone, matrix darker greywacke or perhaps a ? slump breccia formed contemporaneously with the sediments.
					51.0 Small quartz-epidote vein.
					51-54 Numerous small epidote veins at 45° to 90°. Bedding generally at 90° but varies to 80°. Possibly ?? cross-bedding.
					56.0 Two epidote veins at 80°, 75° carrying a little pyrite
					63.5-66.0 Several epidote veins at 75° to 90° to core.
					71.4 Greywacke fractured at 25°, cemented by epidote.
					71.4-75.5 Bedding generally at 90° to core but varies to 75° - ? Cross-bedding.
					75.5-113 Mainly the extremely fine-grained type well bedded type. Bedding generally 85° to 90° but varying to to an extreme of 70°. Some of the fine beds almost a shale. Very few epidote veins, all very small. Very fine disseminated(?syngenetic) pyrite scattered throughout. A few small shears and joints at 30° to 50° to core. Movement 1/2" or less.
					108.3 Pyrite 1/2" wide, 2 inches long replacing pebble.

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					Not vein like.
					111.7 Quartz-epidote vein $1\frac{1}{2}$ " wide at 80° . Contains minor pyrite.
					121.3 Two small ($\frac{1}{4}$ ") ? quartz-chlorite veins, one at 75° cut and is displaced $1/8$ " along the second which is at 15° . Displacement is left hand separation.
					122 Quartz-chlorite vein $1\frac{1}{2}$ " wide at 75° to core. Contains 5% pyrite.
143	154				<u>GREYWACKE-GREYWACKE CONGLOMERATE</u> : The rock essentially as the last type but containing scattered small pebbles of granitic rocks, feldspar porphyry and various fine-grained dark grey volcanics and ?sediments.
154	191				<u>GREYWACKE CONGLOMERATE</u> : Matrix dark to medium grey, fine-grained to extremely fine-grained - very similar to the above greywacke. It contains an estimated 50% to 75% pebbles all of which, except for a few granitic types, are elongated and slightly sheared, the elongation being generally at 90° . Principal rock types are red granite, pink granite, grey granite, syenite, feldspar porphyry (white feldspar phenocrysts in a fine-grained dark grey matrix) syenite porphyry (white feldspars, pink fine-grained matrix) ? diorite, and numerous fine-grained light to dark grey volcanics and probably tuffs and sediments. Contains minor pyrite throughout. Cut by a few epidote veins.
					156.5-157.8 Few pebbles - matrix consists of alternate very pale grey and very dark grey beds generally at 60° but showing slight flexures and some cross faulting apparen-

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					ly contemporaneous with deposition as undisturbed beds are present on each side. Movement is a fraction of an inch.
191	194				<u>GREYWACKE</u> : The fine-grained type - poorly bedded, medium grey, containing many white feldspar grains. About 10% pyrite. Nickel test negative.
194	330				<u>OLIVINE GABBRO</u> : Normal type is medium-grained, dark grey, equigranular. Contact with last at unknown angle as chilled margin present which resembles greywacke. Visible minerals olivine, serpentine, pyroxenes, feldspars, occasional flakes biotite. Usually most of olivine altered to serpentine. 197-213 As normal type but has mottled appearance due to the presence of a very pale feldspar rich facies and a dark mafic rich facies in irregular patches. 201.5-201.8 Small inclusion extremely fine-grained type of greywacke. Upper contact irregular but approximately 80° to core. lower unknown, shattered core. 203.5 -206.3 Fine disseminated sulphides - under 1%. Mainly pyrrhotite but a few grains chalcopyrite. Nickel test negative. 213 - 325 Normal type olivine gabbro with occasional feldspar - rich bands. Cut by numerous serpentized and occasionally slickensided joints at 10° to 15° - slickensiding in same plane at 30° where present. Also a few joints at 50° to 60°. 295.5-297 Mottled gabbro as 197-213. 305.5-322.8 Occasional small specks sulphides, pyrrhotite

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					and chalcopyrite, visible generally just with hand lens. Quite highly serpentinized and some minor alteration pyroxene to fibrous amphiboles.
					314.8 Massive pyrrhotite $\frac{1}{2}$ " maximum diameter, irregular in outline apparently replacing gabbro. Nickel test negative.
					322.8-330 As 305.5 to 327.8 but specks sulphides are larger up to $\frac{1}{2}$ " diameter - well under 1%. These are not of the "blobby" type as they are irregular and contain inclusions of blue dyke and are probably of replacement origin. They are especially abundant in the feldspar-rich facies and consist mainly of pyrrhotite with occasional subordinate chalcopyrite. Nickel tests entirely negative -
					tried several times.
330	335				<u>AS ABOVE:</u> Mainly higher percentage sulphides however (2-3% overall).
					331.2-331.6 Zone of heavy alteration to fibrous amphiboles - contains about 2% mineralization. Nickel tests negative.
					332 Inclusion of feldspar rich facies approaching diorite in composition.
					333.4-333.6 Massive pyrrhotite 2" wide at 35° to core. Replaces the gabbro. Nickel tests negative.
335	340				<u>AS ABOVE:</u> About 2-3% sulphides - mainly pyrrhotite. Nickel tests negative.
					338.7 Pyrrhotite and chalcopyrite in the form of a "blob" 1" long $\frac{1}{2}$ " wide, roughly oval and elongated parallel to the core. About 80% pyrrhotite, the chalcopyrite distributed irregularly throughout the blob and along its

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					margins. Resembles the surface "blebby" mineralization but a little more irregular. Nickel tests negative.
340	345				<u>AS ABOVE:</u> Less than 1% sulphides overall mainly pyrrhotite with minor chalcopyrite.
					340.5 "Blab" as that at 338.7.
					340.342 Mineralization as 335-340
					342-345 Lesser mineralization - well under 1%. Much as that to 330*.
345	350				<u>AS ABOVE:</u> Mineralization as 342-345. Gabbro partially chilled, fine-grained.
350	352.5				<u>OLIVINE GABBRO:</u> Fine-grained, chilled. Mineralization as above.
352.5	357.5				<u>GREYWACKE CONGLOMERATE:</u> Matrix fine-grained, medium gray, pebbles up to 3" diameter, elongated at 90° to core and parallel to bedding, of many types (granites, syenite, feldspar porphyry, volcanics, etc. as usual. About 70% pebbles, 30% matrix. Cut by a few irregular epidote veins. Contains fine pyrite (? syngenetic) as well as a small percentage of pyrrhotite and chalcopyrite.
357.5	401				<u>AS ABOVE:</u> Description as above but no pyrrhotite or chalcopyrite.
					End of Hole.

PROPERTY Daine-Guettard

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 57-20TOTAL DEPTH 341'CO-ORDINATES COLLAR
2+20' at 325° } From o pointLOCATION The BoetLAT 2+70' at DEP 55° } control line 1

Depth Tube Rdg. Corrected Dip

LOGGED BY P. L. MoneyELEVATION COLLAR Approx. 30' above Lac 0DATE BEGUN Feb. 16/57BEARING S 35° E

La Treve 100 56 1/2° 49 1/2°

DATE FINISHED Feb. 20/57ANGLE 50° (initial)200 57° 50°
300 57° 50°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	17				<u>OVERBURDEN:</u> Mainly sand, occasional boulders 7 ft. Drillers report losing water (?hardpan layer).
17	22				<u>GREYWACKE CONGLOMERATE:</u> Matrix fine grained, grey. Pebbles of many types, red granite, white quartz (?vein quartz), dark grey fine grained volcanics, etc. Maximum diameter 2", average 1". Elongated at 60° to 80°. Matrix 70% pebbles 30%. Contains a few specks pyrite. Cut by epidote and ?chlorite veins generally at 20°, occasionally containing pyrite. Rusty weathering present.
22	23.6				<u>GREYWACKE CONGLOMERATE-OLIVINE GABBRO CONTACT ZONE:</u> Dark and light grey speckled rock consisting mainly of a fine grained matrix (?chilled gabbro) containing irregular grains white feldspars (?? re-crystallized from sediments) and patches of a dark green mineral-probably either chlorite or an amphibole. Occasional irregular patched with gradational borders that appear to be partially altered pebbles. Occasional small specks pyrite.
23.6	25.5				<u>OLIVINE GABBRO:</u> Fine-grained dark grey chilled border facies. A few small specks pyrrhotite. Nickel tests negative.
25.5	222.0				<u>OLIVINE GABBRO:</u> Medium grained dark grey equigranular, visible minerals pyroxenes, olivine, serpentine, feldspars rarely flakes of biotite. Above is description of normal

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					type - here after referred to as "normal type". Generally serpentized.
					25.5-27.0 Rusty surface weathering. "Normal type" although more highly serpentized than usual and slightly finer-grained.
					29-46.3 The gabbro appears mottled due to presence of irregular patches of a pale gray feldspar rich facies and a dark mafic rich facies. The former contains up to 70% feldspars, the latter up to 30% mafics. Olivine almost entirely altered to serpentine. Occasional specks pyrrhotite visible with hand lens.
					41.4-41.6 Diorite facies - almost coarse-grained, 90% feldspars, 10% mafics (mainly pyroxenes) off-white color, fairly sharp contacts with gabbro at 65°. Appears intrusive - probably a late facies of the olivine gabbro dyke (??? perhaps similar to syenite #2 of surface mapping in this respect).
					46.3-217.0 "Normal type", minor feldspar rich segregations. Prominent joints at 30° to 45°, serpentine-coated, slickensided, movement parallel to core and at 5° to 15°, also slickensided, movement at 90°. Very rarely specks pyrrhotite seen with hand lens.
					217-222 "Normal type", minor fine specks sulphides, estimated at well under 1%. Pyrrhotite and minor chalcopryite. Nickel tests negative.
222	227				AS ABOVE; but oval pyrrhotite-chalcopryite blebs and higher percentage fine sulphides, estimated at about 1%

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					mainly pyrrhotite. Nickel tests negative.
227	237.6				<u>AS ABOVE:</u> Sulphides as 217-222.
237.6	242.6				<u>OLIVINE GABBRO:</u> 237.6-239 as above.
					239-242.6 Chilled margin, fine-grained, gray - becoming progressively finer towards 242.6 feet. Sharp contact at 45° with graywacke conglomerate. All contain minor fine disseminated pyrrhotite-chalcopyrite as last. Nickel test negative.
					240.1 Thin film pyrrhotite and minor chalcopyrite in joint at 50°. Nickel test negative.
242.6					<u>OLIVINE GABBRO - GREYWACKE CONGLOMERATE CONTACT:</u> Sharp, at 45°.
242.6	247.6				<u>GREYWACKE CONGLOMERATE:</u> Matrix fine grained, medium gray, pebbles maximum diameter 3", average 1" to 1/2", of many types, feldspar porphyry #1 (white feldspars, gray matrix), feldspar porphyry #2 (red feldspars, green matrix) pink and grey granites, syenite, ? Siltstone, fine-grained volcanics being main types. 70% pebbles, 30% matrix. Pebbles elongated, generally at 90° but varying to 70°. Cut by occasional epidote, quartz veins. Fine disseminated pyrite throughout, occasional pyrite in the epidote veins and some pyrrhotite and ? chalcopyrite near the contact.
					247.2 White quartz vein 1" wide at 50°. No mineralization.
247.6	308.5				<u>AS ABOVE:</u> As last but no pyrrhotite or chalcopyrite.
					262.3 Pyrite 1" by 1/2", oval in shape, replacing pebble.
					290.4 White quartz vein about 1/2" wide at 30°.
308.5	315				<u>SYENITE TYPE #1 DYKE:</u> Fine-grained, dark pink, consisting

PROPERTY Daine-Cuettard

DIAMOND DRILL RECORD

SHEET NUMBER 1

HOLE NUMBER 57-2D

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION			
FROM	TO	LENGTH		<u>Ni (%)</u>	<u>Cu (%)</u>	<u>Co (%)</u>	<u>Au (oz)</u>	
222	227	5'	7457	0.14	0.10	0.010		
237.6	242.6	5'	7458	tr.	0.07	0.006		
242.6	247.6	5'	7459	nil	0.05	0.006	0.003	

PROPERTY Daine-Guettard

DIAMOND DRILL RECORD

SHEET NUMBER 1HOLE NUMBER 57-3DTOTAL DEPTH 504'

CO-ORDINATES COLLAR

LOCATION The Boot3+30' W at 235° } from 0 point
LAT. 1+08' DEP. at 145° } Control Line #1LOGGED BY P.L. MoneyELEVATION COLLAR Lake Level (Lac La Treve)DATE BEGUN Feb. 22/57BEARING N35°WDATE FINISHED Feb. 27/57ANGLE 44° (initial)

Depth	Tube Rdg.	True Dip
0'	-	44°
100'	48°	40°30'
200'	47°30'	40°
300'	47°30'	40°
400'	47°	39°30'
500'	47°30'	40°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	10				OVERBURDEN: Boulders and gravel.
10	42				GREYWACKE CONGLOMERATE: Matrix fine grained to medium grained medium gray color. Pebbles of many types; feldspar porphyrys, granites, syenite, volcanics, ? sediments. Pebbles up to 2", generally 1" to 1/2" major diameter, elongated generally parallel to or nearly parallel to the core (maximum variation about 15°). Percentage of pebbles varies between 30% and 80%. No well developed bedding planes. A few specks pyrite (?syngenetic-partially at least) and several small epidote, quartz veins present.
					10.5 Thin coating pyrite in joint at 35°
					10-29.0 Rusty weathering (of the pyrite). Feldspars quite fresh.
					11.5-12.0 Lineation of pebbles at 15°
					12.5-13.0 ?? Bedding plane at 5°
					13.0-19.0 Lineation pebbles 0° to 10°
					24.6-25.0 ?? Bedding plane at 10°
					23.6-29.4 Numerous quartz, epidote stringers at 40° -60°
					31.5-45.4 " " " " at 50°-30° & 5°-15°
					carrying a little pyrite. Lineation as above.
					33.1-33.2 White quartz vein at 65° cut by later narrow epidote stringers, the latter carrying minor pyrite.
					41.7 Massive pyrite 1" by 1/2" replacing a pebble.

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
42	43				<u>FELDSPAR PORPHYRY DYKE</u> : (? or large boulder). Sharp contacts with sediments - upper at 45°, lower at 35°. Consists of 1/8" to 1/4" long white feldspar (?plagioclase) phenocrysts set in a fine grained medium grey matrix. No mineralization.
43	51.3				<u>GREYWACKE CONGLOMERATE</u> : Similar to conglomerate between 10'-42' except that pebbles almost all about 1/4" diameter, and highly sheared.
					49.2-49.3 Small dyke of altered syenite or aplite at 35° or a large feldspar - epidote-chlorite pebble.
51.3	70.4				<u>SYENITIC DYKE</u> : Upper contact indefinite but almost parallel to 10° to core, lower contact at 10° to 20°. Fine grained, purplish-pink color, equigranular. Consists mainly of pink feldspars with minor mafics. Disseminated small crystals of pyrite throughout. Apparently type #1 syenite and very similar to the dyke encountered in D.D.H.57-2D, but ^a little darker in color and richer in mafics.
					56.0-57.3 Quartz-muscovite (? high temperature) stringer about 1/4" wide at 0° to 10°. Contains about 5% pyrite.
					63.2-64.0 Similar quartz-muscovite stringer - very irregular Feldspars in vicinity almost completely replaced by epidote which also fills small fractures.
					68.3 Feldspars largely altered to a mass of epidote (? along several converging fractures). Minor pyrite.
70.4	326				<u>GREYWACKE CONGLOMERATE</u> : Similar to conglomerate between 43'-51.3'. Pebbles very small and highly sheared with the exception of a few feldspar porphyry pebbles which are

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					very conspicuous. Very little epidote, pyrite, Pebbles elongated generally parallel to 15° to core.
					143'-145' Bedding indicated at about 10°.
					176.5' Large pebbles at about 10° (long axis).
					183'-184' Pebbles at 15° to core.
					194'-195' Pebbles at up to 10° either way on core. Obviously
					lineation of pebbles none too reliable.
					231'-233' ?? Bedding plane at 10°.
					237.9'-240' White quartz stringer 1" wide at 60°. About
					2% pyrite.
					233'-267' Pebbles more plentiful and larger than average,
					from about 70% of core. Several very large feldspar por-
					phyry pebbles present up to 6" maximum diameter. Mainly
					of a type containing white feldspar phenocrysts in the
					1/4" and 1/2" ranges in a fine-grained grey groundmass.
					247.8'-247.9' White quartz stringer 1" wide at 45°.
					257'-260.5' Many pebbles of a reddish granite rock. Matrix
					has reddish cast also.
					261.6' White quartz stringer 1/2" wide at 40°.
					277.5'-278' Very pale green epidote (iron-poor?) stringers
					1/4" wide at 30°
					288'-288.3' Epidote almost completely replacing syenite
					pebble.
					299'-326' Many pebbles (sheared and altered) of a medium
					grained to coarse-grained white rock, probably originally
					a syenite or diorite, and now consisting of white felds-
					pars, epidote, biotite, ?pyroxene? chlorite. Pebbles

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					have highly irregular, sometimes indeterminate margins at 10° to 60°.
326	331				319'-326' More than average pyrite (but well under 1%) and four minute specks pyrrhotite seen over entire length. <u>GREYWACKE CONGLOMERATE:</u> Contains many of the same type pebbles as between 299-326'.
					326.0'-326.3' Mineralization as between 319'-326'.
					326.3'-331' Several masses of pyrrhotite (with minor chalcopyrite) up to 1/2" diameter chiefly replacing matrix in type of pebble as between 299.0'-326.0'. Percentage highly variable, but estimated at 2% sulphides, 95% of which is pyrrhotite, the rest chalcopyrite.
					327.2-327.4' Irregular mass pyrrhotite completely, apart for some feldspar grains, replacing one of the syenite or diorite pebbles as above. Nickel test negative. Minor chalcopyrite.
					327.5-327.3 Similar pebbles at 30°-50° replaced by pyrrhotite
					329.5 Pyrrhotite replacing 1/2" wide irregular stringer (?originally epidote).
331.	336				<u>GREYWACKE-CONGLOMERATE:</u> Mineralization as above to 333.0'
					332.5'-333 Pyrrhotite completely replacing a pebble - apart from a few feldspar grains.
336	341				333-336 Slightly higher percentage pyrrhotite - perhaps 3%. <u>OLIVINE GABBRO:</u> Contact with last undeterminate. Fine grained, dark gray chilled margin of dyke-becoming progressively coarser until medium grained at 340.0. Near its contact contains a few of the types of pebbles between

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					299.0' -326.0'. Also contains several rounded pebble-like masses up to 4 inches long of a fine-grained to medium grained very pale grey rock consisting of about 95% white feldspars and 5% mafics - mainly chlorite and strongly resembling syenite #2. From the appearance of this rock here it would seem syenite #2 is solely partially assimilated inclusions at an originally feldspar-rich rock (ie the greywacke series). Mineralization is pyrrhotite with minor chalcopyrite replacing (a) the pebbles of syenite or diorite (b) the masses of syenite #2 (c) the pyroxenes (preferentially) of the normal gabbro. Generally about 1% sulphides.
					337.2-337.6 Segregation or inclusion of syenite #2 about 50% replaced by pyrrhotite and very minor chalcopyrite.
341	353				339-341 Almost no mineralization. A few specks pyrrhotite. <u>OLIVINE GABBRO</u> : Medium grained, dark grey, equigranular, normal type as between 340-341 feet. Visible minerals olivine, serpentine, pyroxenes, feldspars.
					341-343 A few small ?inclusions of syenite #2. A few specks pyrrhotite.
					343-358 Normal type gabbro-barren apart from one 1/4" bleb at 348.4 and another at 355.2
353	363				<u>OLIVINE GABBRO</u> : Small percentage disseminated pyrrhotite and chalcopyrite. Mainly the former.
363	363				<u>OLIVINE GABBRO</u> : Mineralization as above.
363	373				<u>OLIVINE GABBRO</u> : Mineralization similar, slightly higher percentage (perhaps 1%)

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY				DESCRIPTION
FROM	TO	LENGTH		<u>Ni (%)</u>	<u>Cu (%)</u>	<u>Co (%)</u>	<u>Au (oz)</u>	
326	331	5'	7450	0.05	0.10	0.012		
331	336	5'	7461	tr.	0.07	0.012		
336	341	5'	7462	0.04	0.07	0.014		
353	363	5'	7463	0.03	0.06	0.010		
363	368	5'	7464	0.04	0.07	0.011		
368	373	5'	7465	0.05	0.13	0.010		
373	378	5'	7466	0.04	0.10	0.011		
378	383	5'	7467	0.28	0.20	0.17		
383	388	5'	7468	0.55	0.30	0.022		
388	393	5'	7469	0.22	0.15	0.013		
393	397	4'	7470	0.02	0.05	0.010		

PROPERTY Daine-Guettard

DIAMOND DRILL RECORD

SHEET NUMBER 1TOTAL DEPTH 650

CO-ORDINATES COLLAR

HOLE NUMBER 57-4DLOCATION The "Root"LAT. _____ DEP. 5°30' at 325° from 0 point

Depth Tube Rdg. True Dip

LOGGED BY P.L. MoneyELEVATION COLLAR Lake Level (Lac La Trève)

100 51° 44°

DATE BEGUN March 1/57BEARING S 35°E

200 52° 45°

DATE FINISHED Mar. 8/57ANGLE 45 (initial)

300 52½° 45½°

400 51° 44°

500 51° 44°

600 51° 44°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	65				<u>OVERBURDEN:</u>
					0-2 Ice
					2-22 Sand
					22-30 Sand and boulders.
					30-43 Sand and pebbles.
					43-61 Sand and boulders.
					61-65 Sand
65	322.3				<u>GREYWACKE:</u> Light to dark grey, very fine grained to medium grained, occasionally containing a few small pebbles. Two varieties greywacke, the first fine-grained to medium-grained containing many white feldspar fragments. Bedding is generally quite poor. Second variety very fine grained, shaly, generally with well developed bedding. A little pyrite scattered throughout and particularly abundant on the bedding planes of the second variety. Cut by epidote and quartz stringers and veins.
					65.0-83.2 Mainly medium grained. Scattered pebbles at 60° to 90°. A few small epidote stringers, white stringers and blue quartz "eyes" present. Bedding poor, irregular but generally at 30°.
					83.2-85.1 Greywacke fine-grained.
					85.1-204.0 Mainly medium-grained. A few fine-grained and very fine-grained bands.

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					105.7-107.6 Numerous elongated and greatly sheared.
					Very fine-grained, pale yellowish grey (?siltstone) pebbles at 90° to 55°
					108.1-108.5 White quartz vein. Upper contact at 14°.
					Lower contact at 15°. A few specks pyrite.
					114.5-114.6 A ?siltstone pebble at 60°.
					135.4 Irregular pink feldspar epidote ?dykelet at 60°
					136.3 Quartz-epidote stringer 1" wide at 25°. Cubes pyrite up to 1/4" diameter for about 3" on each side of this.
					Estimated 1% pyrite.
					137-142 Numerous small quartz, epidote and quartz-epidote stringers in various directions.
					155.0-155.4 Core cut by 1/10" chlorite stringer at 60°,
					1/8" bluish white quartz stringer at 35°.
					155.5 Irregular mass pale green epidote maximum width 1" .
					156.5-157.4 Fine grained greywacke. Upper contact sharp at 80° with medium grained type. Lower contact gradational with the same.
					158.5-162.0 Matrix normal medium grained type but contains many small elongated pebbles at 90° to 75°.
					162.3-162.9 Small irregular quartz-chlorite - ? epidote stringer carrying minor pyrite.
					165.3-169.5 Numerous stringers of quartz and a very pale creamy pink feldspar (?pegmatitic). The feldspars generally almost completely altered to epidote. These carry a little (under 1%) pyrite. In all directions but main stringers at 60° to 90°. One stringer displaced one

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					inch (right hand separation) along 1/2" quartz chlorite stringer.
					172.0 Similar irregular stringer at 30° to 60°.
					179.0 White 1/2" quartz vein at 65°. Minor pyrite.
					182-183 Much epidotization of sediments.
					191-194 Numerous quartz-feldspar epidote stringers at above.
					199-210 As above and much epidotization of the feldspars and in the sediments.
					202-203 Interbedded fine-grained to very fine grained, dark grey, light grey and off-white greywacke at 70° to the core. Gives accurate measurement dip of sediments.
					204-322.5 All types graywacke interbedded, mainly the very fine grained well bedded shaly variety. Contacts gradational or sharp and range from 70° to 90° but are generally 75°. Sequence beds is generally very fine-grained type gradational to fine-grained gradational to medium grained then sharp contact and very fine grained shaly type again. Rhythmic deposition and right-side-up sequence indicated.
					207.3 1/10" red ?aplite & dykelet at 25°. Epidote stringer at 80° displaced (left hand separation) 3/8" along this.
					211-230.5 Far higher than usual pyrite. Apparently syn-genetic.
					217.2-217.3 Highly epidotized band (?pebble) 1" across at 80° to 90°.

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					227.2-227.4 Greywacke brecciated, cemented by white quartz. Greywacke fragments are epidotized.
					237.8-238 Quartz stringer $\frac{1}{2}$ " wide at 30° surrounded by epidotized zone.
					244.5 Epidote stringer (?originally feldspar) 1" wide at 45°. Minor (under 1%) pyrite.
					244.5 -250 Several small irregular epidote stringers. Minor pyrite.
					260 Bedding at 80°.
					271-278 Greywacke brecciated, cemented by epidote-calcite-quartz veins or stringers. Several cavities containing colorless transparent calcite crystals up to $\frac{1}{2}$ " in size. Minor pyrite associated with this zone. Bedding at 50° to 90°.
					279-281.5 Small aplitic or syenitic dykelets in fractures in many directions. Consist of pink feldspars largely altered to secondary epidote.
					281.5-283 Core badly shattered. Many epidote filled cavities, fractures. About 1% pyrite.
					294 Quartz stringer $\frac{1}{2}$ " wide at 45°.
					307 Quartz stringer $\frac{1}{2}$ " wide at 30°. Contains minor epidote.
					318.8-320.9 Greywacke heavily epidotized. Feldspar almost completely replaced. Minor (under 1%) pyrite.
					322 Bedding at 80°.
322.8	331.3				<u>GABBRO OR DIORITE</u> : Medium grained, equigranular, pale grey. Contact with last highly irregular - 80° to 10° with next at ??45°. Consists of white plagioclase

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					feldspars 60% mafics 40%. Mafics mainly pyroxenes. Contains occasional red feldspar grains, particularly near the upper contact. Perhaps assimilated from the sediments. Perhaps a border facies or contaminated part of the olivine gabbro.
331.3	332.7				<u>GREYWACKE:</u> The very fine grained shaly type. Perhaps an inclusion in the above.
332.8	337				<u>GABBRO OR DIORITE:</u> As that between 322.8-331.3. Contains minor inclusions greywacke. Probably a contaminated olivine gabbro.
337	527				<u>OLIVINE GABBRO:</u> Normally dark grey, medium grained, equigranular. Visible minerals olivine, serpentine, pyroxenes, feldspars. Numerous serpentized joints. 347-363 Rock has blotchy appearance due to presence of mafic rich and feldspar rich facies. The former largely altered to fibrous amphiboles. Very minor pyrrhotite (two specks seen). 412-415.5 Rock heavily altered, cut by quartz - ? calcite veinlets. Much serpentine. 499.7-504.2 Rock serpentized more than usual. Cut by many minute dark green stringers - probably chlorite. 525-527 Similar alteration and a very few fine specks of pyrrhotite and chalcocopyrite.
527	532				<u>ROCK AS 525-527:</u> 527-527.5 Mineralization as 525-527. 527.5-532 As above and minor blebby mineralization - just the odd bleb at each end of this zone, about 1% pyrrhotite,

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					with minor chalcopyrite in the centre of the zone. Blebs apart to be selectively replacing augite.
532	539				<u>OLIVINE GABBRO:</u> As that between 337 and 527.
					532-534 A few specks pyrrhotite and some bleb.
539	544				<u>GREYWACKE CONGLOMERATE:</u> Matrix medium grey, fine-grained to medium grained. Pebbles mainly fine-grained volcanics, sediments, lesser feldspar porphyry, minor granite and syenite. About 50% pebbles. Bedding indicated to be at 50° to 30° - highly variable. Minor pyrite throughout and occasional pyrrhotite and chalcopyrite in bedding planes and replacing pebbles. Estimated percentage of pyrrhotite and chalcopyrite contains combined is 1%.
544	549				<u>ROCK AS ABOVE:</u> 544-548.5 Mineralization as above. 548.5-549 No more pyrrhotite, chalcopyrite seen.
549	650				<u>ROCK AS ABOVE:</u> Mineralization consists solely of occa- sional specks pyrite. 549-650 Pebbles become less frequent, smaller. Approximate- ly 30% of rock. Bedding present at about 30° to core. Essentially a very fine grained to fine-grained greywacke, containing scattered pebbles.
650					End of Hole

PROPERTY Daine-Guetterd

DIAMOND DRILL RECORD

SHEET NUMBER 1TOTAL DEPTH 550 CO-ORDINATES COLLARHOLE NUMBER 57-5DLOCATION Genevieve Bay LAT. _____ DEP. 5+20 at 325° } o point
2+70 at 235° } control lineLOGGED BY P.L. Money ELEVATION COLLAR Lake LevelDATE BEGUN March 11, 1957 BEARING S 35°EDATE FINISHED March 15, 1957 ANGLE 45°

Depth	Tube Rdg.	Correction
		Dip
0	-	45°
100	48°30'	41°30'
200	49°	42°
300	49°30'	42°30'
400	48°30'	42°
500	49°	42

LOG BOOK No. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	12				<u>OVERBURDEN:</u> Sand
12	227				<u>GREYWACKE:</u> Medium grey interbedded very fine grained (shaly), fine grained to medium grained and occasionally coarse grained with minor conglomeritic bands. Mainly in the fine-grained to medium grained range and containing many white feldspar fragments, giving the rock a speckled appearance. Cut by numerous epidote stringers. Minor? syngenetic pyrite. 10.5-14.5 Most grains in medium grained range - occasionally up to 1/2" - one pebble 1" long. Numerous blue quartz "eyes" - rounded masses about 1/8" diameter. Bedding at 75°. 14.5-22.8 Matrix fine grained - a few large siltstone pebbles, bedding at 85°. 22.3-27.5 Greywacke conglomerate - pebbles highly sheared and 1/2" or less in diameter. 32.0-32.4 Conglomeritic band. 1" wide epidotized zone. 36.1-36-3 Epidotized zone. 41.3-49.5 Almost coarse-grained greywacke. Has speckled appearance due to presence of many large white generally sub-angular feldspar fragments. 71.4-73.0 Conglomeritic band. 73.5-74-5 Very fine grained shaly sediment. Bedding at 80°. 79-79-5 Heavily altered zone of epidote and reddish alteration (red feldspars??) surrounding a 1" white quartz vein

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					at 20°. A few small pyrite cubes and pyritohedrons present in altered zone just outside of vein.
					79-91.4 Graywacke generally coarse grained. Many blue quartz "eyes".
					81.1-81.5 Heavily epidotized zone.
					100-208 All grain sizes of sediments interbedded. Sequence is very fine grained (shaly) gradational to fine grained to medium grained or coarser, then sharp contact and very very fine grained again. Sequence is not always complete. Beds are, however, indicated to be right-side-up.
					102.3-102.7 Conglomeritic band
					103.5-105.5 Numerous epidote stringers.
					107.2-108.2 Epidotized zone, also showing reddish alteration (reddening of feldspars???) previously noted. Contains crystals(dodecahedron) of brown clear garnet, minor pyrite. Apparently alteration due to high temperature solution.
					120.5-120.9 Similar altered zone surrounding 1/2" white quartz vein. No garnet.
					131.4-132 Sediments completely epidotized. Two small irregular quartz stringers in the zone.
					133.2-134.5 White quartz vein at 15°. No alteration, about 1% pyrite.
					135-138 Much epidotization.
					142.8-149 Band of the shaly very fine sediment. Bedding 90° to 75° (?cross-bedding) Dark grey color. Much pyrite on bedding planes. A true shale.
					149-151 Vermiform 1/2" wide epidote - feldspar stringer

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					152-218 Numerous small epidote stringers - generally parallel to the bedding (75° to 90°) or nearly so, occasionally vermiform, irregular or between 15° and 45°.
					159-2-159-4 Sediments completely epidotized.
					171-172 Bedding at 85°.
					186.2-187.4 Highly epidotized zone. About 1% pyrite.
					202.6-215.7 Very fine grained dark gray shaly band. Bedding 90° to 75° - but generally 75°. The other may be cross-bedding.
					217.3-217.5 White quartz vein 1" wide at 45°. Minor epidotisation and pyrite.
227	241				<u>OLIVINE GABBRO:</u> Dark grey equigranular fine-grained at the margin and a few fine-grained patches throughout. Contaminated by much partially assimilated greywacke.
					238-238.5 White quartz stringer at 10°.
					239-241 Dyke has mottled appearance due to presence of feldspar-rich and mafic-rich facies- the latter frequently altered to fibrous amphibole.
241	246				<u>ROCK AS 239-241 ABOVE:</u>
					242-246 Occasional pyrrhotite with minor chalcopyrite replacing the mafics - particularly the fibrous amphiboles. Estimated at less than 1%.
246	251				<u>ROCK AS ABOVE:</u> Mineralization as above.
251	256.1				<u>ROCK AS ABOVE:</u>
					251-255.5 Mineralization as above. Beyond 255.5 no pyrrhotite seen.
256	425				<u>OLIVINE GABBRO:</u> Normal type medium grained, equigranular

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					visible minerals feldspars, pyroxenes (?augite), olivine, serpentine, occasional flakes biotite.
					256-260.6 Dyke altered as between 239 and 256.
					315-317 Dyke cut by three chlorite stringers, up to 1/4" wide at 15°
					328-329.5 Highly serpentinized, cut by irregular white quartz stringers.
					350.4-351.0 Serpentinized zone.
					409-410 Serpentinized zone.
425	430				<u>ROCK AS ABOVE:</u> 426.5-430 Occasional specks of pyrrhotite and chalcopyrite, apparently replacing the pyroxenes preferentially.
430	435				<u>ROCK AS ABOVE:</u> 430-434 Mineralization as above. Beyond 434 no mineralization, apart from two specks pyrrhotite seen.
435	452.5				<u>ROCK AS ABOVE:</u> 449-452.5 Chilled margin of gabbro.
452.5	550				<u>GREYWACKE CONGLOMERATE:</u> Usual type - matrix fine-grained, medium grey- pebbles elongated, mainly fine-grained volcanics and sediments and feldspar porphyry. Bedding highly variable generally 90° to 70°. Scattered specks of pyrite throughout.
					479.1-479.4 White Quartz vein at 30°
					516.5-516-7 About 70% pyrite replacing sediments.
					552.5-522.6 About 20% pyrite replacing sediments.
					528.0 528.1 About 30% pyrite replacing sediments.
550					End Of Hole

TOTAL DEPTH 559

CO-ORDINATES COLLAR

HOLE NUMBER 57-60LOCATION East Shore Pelette BayLAT. _____ DEP. 3+80° at 328° from 171 + 60 E on base line

Depth	Tube Rdg.	True Dip
100	51°	44°
200	51°	44°
300	51½°	44½°
400	52°	45°
500	52°	45°

LOGGED BY P.L. MoneyELEVATION COLLAR Lake LevelDATE BEGUN March 17/57BEARING S 32°EDATE FINISHED March 21/57ANGLE (initial) 45°

LOG FORM NO. 1

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
0	10				<u>OVERBURDEN: Ice, sand and pebbles.</u>
10	19.5				<u>GREYWACKE CONGLOMERATE: (? Boulder or ?outcrop)-Consists of about 20% pebbles, generally ½" to 1" in diameter and of various types in one fine-grained to medium grained dark gray matrix. Bedding at 30° to 40°. Pebbles elongated generally parallel to the bedding and are mainly fine-grained volcanics, sediments, diorite, feldspar porphyry, cyanite porphyry. Very minor pyrite. Shows rusty surface weathering.</u>
					<u>16.7-18.8 Small pink fine-grained aplite dyke at 75°</u>
					<u>19.0-19.2 Similar dyke at 60°</u>
19.5	27				<u>OVERBURDEN: Sand and pebbles.</u>
27	28				<u>GREYWACKE CONGLOMERATE: Consists of about 20% pebbles, mainly volcanics, siltstone in a fine to medium grained dark gray matrix. Bedding at 40°. Pebbles elongated parallel to the bedding and in the ½" to 1" range generally.</u>
28	28.2				<u>APLITE DYKE: Fine grained, pink-consisting mainly of pink feldspars. Upper contact irregular (from 90° to 45°), lower contact at 65°. Very minor disseminated pyrite (Also a little in a small fracture)</u>
28.2	29.5				<u>GREYWACKE CONGLOMERATE: As between 27' - 28'. Bedding 40°-45°. Pebbles mainly fine-grained volcanics and sediments, occasional diorite, porphyry.</u>

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
29.5	29.8				<u>APLITE DYKE</u> : As that between 28-28.2. Minor disseminated pyrite. Cut by small later quartz vein. Contacts irregular about 70°.
29.8	32.2				<u>GREYWACKE CONGLOMERATE</u> : As between 27'-28' but about 30% pebbles.
32.2	32.8				<u>APLITE DYKE</u> : As between 28-28.2 Upper contact at 65°, lower at 65°. Angle between bedding in sediments and contact 70°.
32.8	42.0				<u>GREYWACKE CONGLOMERATE</u> : About 40% pebbles in a fine to medium grained gray matrix. Pebbles generally $\frac{1}{8}$ " to $\frac{1}{4}$ ", and of many types - fine volcanics, sediments, porphyries and dioritic rocks especially prominent. They are elongated parallel to the bedding. Bedding at 40° to 50°. Very minor pyrite.
					33.6 Irregular $\frac{1}{8}$ " pink aplite stringer.
					34.3 Similar stringer.
					39.2 Aplite stringer 1" wide at 70°. About 5% pyrite in small fractures and disseminated throughout.
42.0	42.4				<u>APLITE DYKE</u> : Generally fine-grained pink but contains bands or zones of large white feldspar crystals - near edge contact and apparently near an inclusion. Perhaps these have re-crystallized from the sediments. Contacts at 65°. Very minor pyrite.
42.4	44.8				<u>GREYWACKE CONGLOMERATE</u> : As between 32.8 - 42.0. Bedding 40°-45°.
44.8	45.8				<u>APLITE DYKE</u> : Fine grained, pink - composed mainly of pink feldspars cut by later quartz stringers. About

PROPERTY Daine - Guettard

DIAMOND DRILL RECORD

SHEET NUMBER 3HOLE NUMBER 57-6D

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					1% pyrite in fractures, disseminated throughout. Contacts at 60°.
45.8	46.6				<u>GREYWACKE CONGLOMERATE:</u> As between 32.8 - 42.0
46.6	48.0				<u>APLITE DYKE:</u> Fine grained, pink. Upper contact at 55°, lower at 72°. Minor pyrite.
48.0	69.7				<u>GREYWACKE CONGLOMERATE:</u> As between 32.8-42.0. Bedding 30° - 45°. About 30% pebbles.
					54-56 Cut by several small aplite dykelets now largely altered to epidote.
					59.5-69.7 Cut by numerous small aplite stringers, generally parallel to the bedding. Much epidotization and very minor pyrite associated with these.
					64.0-64-5 Brecciated zone cemented by aplite largely altered to epidote.
69.7	69.8				<u>APLITE DYKE:</u> As between 46.6 - 48.0 Contacts at 50°. about 5% pyrite in fractures.
69.8	74.0				<u>GREYWACKE CONGLOMERATE:</u> As between 32.8'-42.0' Bedding 30°-40°, cut by numerous small aplite stringers. Much epidote and minor pyrite associated with these.
74.0	74.6				<u>APLITE DYKE:</u> As between 46.6 - 48.0. Upper contact irregular, lower contact at 75°. Very minor pyrite.
74.6	79.2				<u>GREYWACKE CONGLOMERATE:</u> As between 32.8'-42.0'. Cut by several aplite and syenite or granite porphyry dykelets. Much epidote associated with these.
79.2	79.9				<u>APLITE DYKE:</u> As between 46.6-48.0 Upper contact at 60° lower contact at 55° About 3% pyrite in fractures.
79.9	118.0				<u>GREYWACKE CONGLOMERATE:</u> As between 32.8-42.0 but in

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					in addition granitic pebbles. Minor pyrite, epidote. Bedding 35° to 40°.
113	121				107.5 Cut by small pink aplitic dykelet. <u>SYENITE DYKE</u> : Medium grained pink equigranular. Main minerals pink and white feldspars - minor biotite and perhaps?? quartz (perhaps a quartz syenite) Contacts at 70°. Minor pyrite, epidote.
121	134.2				<u>GREYWACKE CONGLOMERATE</u> : As between 32.3-42.0 Bedding 40°. 121-128 Pebbles under 10% all small.
134.2	134.6				<u>SYENITE DYKE</u> : As between 113-121. Narrow zone containing large white and pink feldspar crystals - perhaps re-crystallized from the sediments. Minor pyrite.
134.6	152.5				<u>GREYWACKE CONGLOMERATE</u> : As between 32.8-42.0 but pebbles generally very small. Cut by several small aplitic dykelets Much epidotization associated with these.
					137.9-138.1 Highly epidotized band.
					139.4-139.6 Cut by aplitic dykelet consisting almost entirely of pink feldspar - now largely epidotized as in surrounding rock.
					143.6-143.7 Narrow epidotized band surrounding 1" pink aplitic dykelet.
					148.0-148.1 Feldspar porphyry dykelet as large pebble. White feldspar phenocrysts in two size ranges (1" and 2") in a fine grained very dark gray matrix. Contacts at 40° (parallel to the bedding).
					149.0-149.4 Aplitic dykelet largely epidotized and cut by a greyish white quartz vein.

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
152.5	166.0				<u>SYENITE DYKS:</u> Five-grained to medium grained, largely equigranular, pink to red. Consists almost entirely of red feldspars and, near contacts and surrounding an inclusion of the conglomerate, of white feldspars. Cut by a few quartz stringers-much epidote - the latter generally on joints which are usually at 45°. Very minor disseminated pyrite. Upper contact at 44°. Lower unknown (shattered core).
166.0	184.5				155.2-155.7 Partially assimilated inclusion of conglomerate. <u>GREYWACKE CONGLOMERATE:</u> As between 134.6-152.5. Percentage pebbles highly variable (10%-50%) Bedding 35° to 40°. 172.0-175.5 Cut by several small aplite dykelets. Much epidotization. 180.9-181.0 Feldspar porphyry dyke or large pebble - large white feldspar phenocrysts (to about ½") in a fine grained grey matrix.
184.5	187.5				<u>GREYWACKE:</u> Medium grained, grey, many white feldspar fragments. Essentially like the matrix of the conglomerate. Bedding poor.
187.5	188.0				<u>APLITE DYKE:</u> Fine grained, pink, contains large fragments (to 1") of white feldspar crystals and an irregular mass of greyish quartz. Upper contact at 76°. Lower contact at 70°.
188.0	189.2				<u>GREYWACKE:</u> As between 184.5-187.5.
189.2	190.6				<u>GREYWACKE CONGLOMERATE:</u> As between 134.6-152.5. Bedding at 40°.
190.6	191.0				<u>FELDSPAR PORPHYRY DYKE:</u> Large white ½" feldspar phenocrysts

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					in a fine-grained greenish grey matrix. Contacts at 55°.
191.0	197.0				<u>GREYWACKE CONGLOMERATE:</u> As between 134.6'-157.5'.
197.0	201.8				<u>GREYWACKE:</u> As between 184.5-137.5
201.8	214.5				<u>GREYWACKE CONGLOMERATE:</u> As between 134.6'-152.5'. Pebbles mainly dark volcanics and fine-grained sediments in a matrix resembling the above greywacks.
214.5	428.5				<u>OLIVINE GABBRO:</u> The normal type is medium grained, dark grey, equigranular- visible minerals olivine, serpentine, pyroxenes, feldspars, occasional biotite. Olivine, as usual mainly altered to serpentine throughout.
					214.5-248.5 The gabbro contains inclusions of the sediments and has a mottled appearance due to the presence of mafic rich and feldspar-rich "facies", the former now consisting largely of fibrous amphiboles. These "facies" may be simply contaminated dyke. Two or three specks pyrrhotite over the entire length.
428.5	433.5				249-249.3 Part of rock has ophitic (diabasic) texture. <u>ROCK AS ABOVE:</u>
					429-429.5 Occasional specks pyrrhotite, chalcopyrite scatte- red throughout the rock.
					429.5-433.5 Occasional specks and scattered blebs of pyrrhotite and chalcopyrite (pyrrhotite centers, chalcopy- rite rims). Perhaps 1% sulphides.
433.5	438.5				<u>ROCK AS ABOVE:</u> Mineralization as between 429.5 and 433.5.
438.5	447.5				<u>ROCK AS ABOVE:</u>
					438.5-442 Mineralization as above.
					442-443 Occasional specks of pyrrhotite, chalcopyrite.

Log Form No. 2

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
					443-443.5 No mineralization.
443.5	456.5				ROCK AS ABOVE: No mineralization.
					452.4-456.5 Rock becoming progressively finer grained towards the contact.
456.5	459.8				<u>GREYWACKE</u> : Medium grained, gray, many large angular to sub-angular feldspar fragments. Poor bedding.
					457.3-457.4 Cut by dykelet medium grained pink syenite. Irregular contacts.
459.8	468.2				<u>SYENITE DYKE</u> : Largely medium grained - although ranging from fine to coarse-grained. Two facies present - the earlier medium grained to coarse grained and brownish red in color. This is cut by a later fine-grained facies of a bright red color. Contains many partially assimilated inclusions of the sediments. Minor pyrite and epidote are present, particularly in and near fractures. Cut by occasional irregular quartz stringers. Upper contact indefinite, lower contact irregular.
468.2	468.7				<u>GREYWACKE</u> : As between 456.5-459.8 but fine-grained.
468.7	473.2				<u>SYENITE DYKE</u> : As between 459.8-468.2
					470.3-470.5 Small partially assimilated inclusion of greywacke.
473.2	478.9				<u>GREYWACKE</u> : As between 468.2-468.7 Bedding at 40°
478.9	506.5				<u>SYENITE DYKE</u> : As between 459.8-468.2. Upper contact irregular, lower contact at 90°.
506.5	509.9				<u>GREYWACKE CONGLOMERATE</u> : A coarser conglomerate - pebbles of many types and up to 2" diameter set in a fine-grained grey matrix. Bedding highly irregular.

PROPERTY Daine-Guettari

DIAMOND DRILL RECORD

SHEET NUMBER 3HOLE NUMBER 57-6D

Log Form No. 2A

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY	DESCRIPTION
FROM	TO	LENGTH			
509.9	513.7				<u>SYENITE DYKE:</u> As between 459.8-468.2 but another facies also present. Off white color - composed mainly of creamy feldspar medium - grained.
513.7	515.5				<u>GREYWACKE CONGLOMERATE:</u> As between 506.5-509.9
515.5	517.2				<u>SYENITE DYKE:</u> As between 509.9 and 513.7. Upper contact at 50°, lower contact irregular.
517.2	522.8				<u>GREYWACKE CONGLOMERATE:</u> As between 506.5-509.9.
522.8	525.0				<u>GREYWACKE:</u> Grey, fine-grained to medium grained, contains many white feldspar fragments. Bedding poor.
525.0	527.0				<u>SYENITE DYKE:</u> Coarse-grained, homogeneous, equigranular, composed largely of biotite, white and pink feldspars. Minor pyrite. Contacts irregular.
527.0	530.6				<u>GREYWACKE:</u> As between 522.8'-525.0' Bedding very poor
530.6	531.0				<u>SYENITE DYKE:</u> As between 459.8-468.2 Contacts irregular.
531.0	532.0				<u>GREYWACKE:</u> As between 522.8' - 525.0'
532.0	532.5				<u>SYENITE DYKE:</u> As between 509.9'-513.7' Contacts irregular.
532.5	539.1				<u>GREYWACKE:</u> As between 522.8'-525.0'. 538.5-538.6 Cut by white syenite dyke at about 35° (irregular)
539.1	552.8				<u>SYENITE DYKE:</u> As between 459.8'-468.2' - ranges from fine to coarse grained.
552.8	559.0				<u>GREYWACKE:</u> Fine grained, grey, composed mainly of feldspars. Poorly bedded at 45°?
559.0					End of Hole.

PROPERTY Daine-Guettard

DIAMOND DRILL RECORD

 SHEET NUMBER 1

Log Form No. 2A

 HOLE NUMBER 57-6D

CORE FOOTAGE			CORE SAMPLE NO.	ASSAY <u>Ni (%)</u>	<u>Cu (%)</u>	DESCRIPTION <u>Co (%)</u>	<u>Au (oz)</u>
FROM	TO	LENGTH					
428.5	433.5	5'	7479	0.07	0.12	0.011	
433.5	438.5	5'	7480	0.04	0.10	0.011	
438.5	443.5	5'	7481	0.02	0.10	0.010	

