



42A01NE0186 47 TECK

010

DIAMOND DRILLING

TOWNSHIP: Teck

REPORT No.: 47

WORK PERFORMED BY: Eden Roc Minerals

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 491650	1	936.0	Dec/82	(1) (2)

NOTES: (1) #11-83
(2) O.M.E.P. Submittal: #OM82-6-C-144

ROCK DESCRIPTIONS
HOLE #1 AMALGAMATED KIRKLAND
FOR EDEN ROC MINERAL CORP.

DIPS

<u>Depth</u>	<u>Apparent Dip</u>	<u>True Dip</u>
200	60°	53°
485	55°	48°
936	54°	47°

Drilling took place between December 13/82 and December 24, 1982.

Hole logged by Bernard MacIsaac.

PORPHYRITIZED SEDIMENT (GREYWACKE)

This unit has been referred to previously as greywacke and was encountered in the drilling of A-5 & A-6 drilled on either side of the present hole. The rock's textural and compositional make-up would dictate a more descriptive term hence porphyritized sediment. This unit belongs to the Timiskaming series which is found throughout the underground workings of the entire Kirkland Lake Gold Camp.

The unit is medium to coarse grained with local fine grained zones. Color near the top is light to dark greenish grey, below 76.9 feet the ground mass is purplish grey in color. Phenocrysts are typically less than 1 cm wide and usually consist of red or white feldspar and dark mafic fragments. There is also the occasional fragment usually felsic in composition which is \leq 5 cm. Some of these phenocrysts (fragments) show reaction, others do not and hence the name porphyritized sediment. These phenocrysts (fragments) are usually angular to subrounded.

There is minor regular and irregular fracturing throughout the unit, with local zones of heavier fracturing and brecciation. The fractures are usually infilled by quartz, graphite or mafic material. These fracture zones are usually \leq 1 cm wide averaging approximately 2 mm wide. The fractures are also carbonatized. These fractures when regular

are usually between 45° and 90° to the core axis.

Dominant veining material is quartz which forms regular and irregular veins ≤ 3 cm wide; regular veins usually form angles between 60° and 80° to the core axis. There seems to be two or more generations of quartz veins and veinlets. One generation is associated with local altered zones consisting of bleaching, feldspathization and epidotization, whilst the other(s) shows very little alteration. Local quartz-carbonate veins and veinlets occur which usually show ankerite, these veins also have regular and irregular habits. Regular veins are usually oriented between 60° to 80° to the core axis. They are typically \leq cm wide and contain ankerite which has a distinctive rusty appearance. Locally all veins and veinlets can show slight offsets.

As you proceed down hole in the unit carbonatization and chloritic alteration becomes more pervasive rather than just locally altering the rock. Mafic and graphite infilling also increases as one proceeds through the unit. The unit becomes very chloritic as one approaches the diabase unit below it. There is also minor chert like bands and fragments in this area of the unit.

The unit has local intrusions of small syenite dikes which are typically ≤ 30 cm wide which can be heavily fractured with quartz infilling and graphite occurring along fracture planes. The fractures cross the section at approximately 60° to the core

axis. Their contacts are sometimes gradational and sometimes sharp.

Sulphides consist of very finely disseminated pyrite and chalcopyrite occurring throughout the rock. Graphite slips sometimes show splashes of pyrite. Pyrite and chalcopyrite show a minor association with quartz and quartz carbonate veinlets throughout the unit. There were no indications of visible gold in this rock type.

DIABASE

The diabase dike encountered in this hole strikes across the entire property. It post Algonian in age and is thus the youngest rock encountered in this hole.

The rock is dark greyish green in color, medium grained (less than 2 mm), with finer grained sections near the upper and lower contacts because of the chilling effect. There are occasional carbonate veinlets traversing the unit with a quite shallow orientation of 20° to 50° to the core axis. Minor epidote stringers occur throughout the unit. The unit is carbonatized throughout with the margin zones being more carbonatized. In general the unit has a salt and pepper appearance.

Sulphides are restricted to pyrite which occurs as fine disseminations throughout.

PROPHYRITIC SYENITE

The unit is Algomian in age and is known throughout the Kirkland Lake area.

It is typically dark dull orangish red in color with local redder and purplish zones due to alteration or fracturing with mafic infilling and mafic xenoliths.

The groundmass is typically fine grained. The phenocrysts are usually rounded and $\leq 3\text{mm}$ in color. The phenocrysts are a lighter orange in color and probably feldspathic in composition. Diagenetic alteration or contamination probably causes the orangish color.

The unit is typically massive but has undergone fracturing resulting in a locally brecciated appearance. The fractures are welded by quartz, carbonate, graphite and mafic material. The fractures do show a preferred orientation at between 50° and 80° to the core axis however they do deviate locally and sometimes show no particular orientation. Where these fractures are intruded by quartz the adjacent rock is altered exhibiting red coloration.

The unit is locally carbonatized, with carbonate minerals locally in microfractures and tension gashes or carbonatization of the ground mass. The unit is also locally carbonatized along fractures.

The unit has the occasional mafic xenolith, sometimes being

quite large (1 to 7 cm). Mafic material also occurs as fracture fillings sometimes giving the unit a pseudo breccia appearance. Specular hematite when found is frequently associated with this mafic material and usually forms a core of small veinlets and stringers. Specular hematite also occurs as a fine dusting around the boundaries of mineral grains.

Sulphides consisting of pyrite are typically very fine and disseminated throughout the rock. Pyrite is also associated with veinlets locally occurring on borders and as splashes associated with graphite slips.

Contacts can be sharp or gradational.

SYENITE

The unit is Algomian in age and is found scattered throughout the hole.

The unit is typically reddish orange in color. There are also local dark red zones and lighter orange sections due to alteration.

The unit is fine to medium grained and is locally porphyritic.

The unit is typically fractured however, local massive sections occur. These fractures are frequently infilled by quartz, carbonate, quartz carbonate, mafic material and graphite. These fractures are usually less than 2 mm wide. Numerous microfractures and tension gashes occur which are infilled by carbonate, quartz and quartz carbonate throughout. Some of these veinlets cause bleaching epidotization and feldspathization while others do not suggesting multiple generations of intrusion. The unit is also locally brecciated and infilled.

Local occurrences of specular hematite are usually mixed with mafic material as stringers and veinlets throughout. Hematite usually forms the core of these structures. Sulphides consist predominately of pyrite and chalcopyrite, occurring both as fine disseminations and associated with veinlets. There are also local concentrations of pyrite associated with carbonate and splashes on graphite slips.

Contacts are usually @ 60° to core axis.

BASIC SYENITE

The unit is Algomian in age and is considered the oldest syenitic unit in the area.

The rock is reddish grey in color with local redder zones due to alteration caused by carbonate veinlets. Grain size ranges up to .5 cm with individual grains as large as .75 cm in the porphyritic sections. There are occasional mafic fragments which can be quite large in size @ \leq 5cm. Phenocrysts found in porphyritic sections are typically angular to subrounded.

The unit is lightly fractured throughout with local areas of heavy fracturing. These fractures are typically infilled by mafic material, sometimes giving a pseudo breccia appearance with up to 50% mafic material, quartz carbonate, graphite and carbonate. Quartz and carbonate also occur as veinlets and infillings in microfractures and tension gashes. Some of these quartz carbonate and carbonate veinlets cause alteration resulting in bleaching, feldspathization and epidotization. The unit can also be locally chloritic. Some of these veinlets can also show small offsets.

The unit as a whole is carbonatized with both the groundmass and phenocrysts reacting to HCL. Microfractures are quite prevalent and are also reactive. There are local non-carbonatized sections.

Specular hematite occurs locally as stringers and veinlets associated with mafic material. Hematite usually forms the

Core of these structures. Sulphides consisting of pyrite usually occurs as fine disseminations throughout the unit or associated with quartz and quartz carbonate structures. Possible visible gold was found at 777.4 in a quartz veinlet interground with pyrite.

Contracts are typically gradational.

CONCLUSION

The conglomerate found at the bottom of the hole belongs to the Timiskaming series and is common to this hole as well as A5 + A6 marking the foot wall of the syenites.

It is greenish grey in color with large subgrounded clasts, some being syenitic. It also has local fine grained sections. The unit has minor epidote and irregular quartz carbonate veinlets and fracture fillings. It shows local schistosity @ 70° to CA. Pyrite occurs as very fine disseminations and is rare.

DIAMOND DRILL RECORD

OM 82-6-C-144

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 1

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	33	Casing									
33	363	Porphyritized Sediment									
		-33.5 .5 cm qtz veinlet @ 45° to C.A.	8901	Tr	33	34					
		-36.5 .5 cm qtz/carb veinlet @ 65° to C.A.									
		- 39 .75 cm qtz veinlet @ 45° to C.A.									
		- 45 carb zone-rusty weathering (ankerite)	8902	Tr	45	46					
		- 46-47.5 irregular qtz fracture filling	8903		47.5	48.5					
		- 47.9-48.2 basic syenite dike (heavily fractured and qtz infilled)									
		- 51.5-54.3 slight carbonatization, finer grained locally fractured. fewer pebbles	8904		51.5	54.3					
		- 54.3-61.1 no pebbles, med. gr. few fractures lighter grey in color	8905		54.3	57.15					
		- 57-57.15 fracture zone									
		- 60.7-61.2 ankerite alteration, slightly fractured.	8906		60.7	61.2					
		- 61.1-61.5 veinlets @ 60°-90° to C.A. rock breaks @ 70-90° to C.A.	8907		61.2	65					
		- 65-67 alteration, bleached, fractured local ankerite along fractures, graphitic infilling along fractures @ 50°-70° to C.A.	8908		65	67					
		- 75.8-76.2 syenite dike, contacts sharp @ 60° to C.A., slightly fractured									
		- 76.9-77.9 carbonatization due to carb veinlet < 5 cm wide along, strike rusty, fractured	8909		76.9	79.2					
		- 81.8-82.5 syenite dike, massive, contacts sharp @ 75°-85° to C.A.									

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DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		- 82.9-83.4 syenite dike - massive but slightly fractured qtz + mafic material infilling contacts sharp								
		- 84.3-85.5 qtz veinlet along strike, brecciated between 84.6 - 85.2	8910		84.3	85.5				
		- 92.5-92.6 alteration, bleached because of qtz veinlet ~1 cm wide @ 85° to C.A.								
		- 93.3-95.5 numerous qtz veinlets bleached, locally carbonated < 1 cm wide some @ 60°-80° to C.A. mafic infilled fractures	8911		93.3	95.5				
		- 96.1-97 same as 93.3 -95.5	8912		96.1	97				
		- 99.1-99.2 same as 93.3 - 95.5								
		-103.5-105.2 bleached zone due to numerous qtz veinlets < 1.5 cm @ 55° - 75° to C.A., mafic infilled fractures	8913		103.5	105.2				
		-105.5-106.2 breccia zone	8914		105.2	110				
		-106.7-107.7 breccia zone with slight carbonate on fractures								
		-108.2-110 altered zone due to qtz veinlet								
		-113.8-114.8 irregular qtz veinlets, minor bleaching	8915		114.5	116.2				
		-114.5-116.2 local epidote alt [~] in association with qtz intrusion								
		-118.6-119.6 qtz veinlet along strike < 1.5 cm along strike, slightly bleached, epidote	8916		118.6	122.45				
		-119.6-122.45 lat [~] bleached + epidote & feldspathized, locally brecciated due to qtz veinlets regular @ 45° - 60° to C.A. & irregular								
		-124.30-124.5 bleached, qtz @ 45° to C.A.	8917		124.3	127.				
		-128-128.4 carb zone, veinlets @ 60° to C.A.	8918		127.5	128.4				

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
		- 128.5 - 129									
		fine grained & massive, light grey purple in color									
		- 124.5-127									
		feldspathization, minor epidote									
		- 135.7-138			8919	135.7	138				
		bleaching & epidotization due to irregular qtz veining									
		- 151.3-152.8			8920	151.3	152.3				
		irregular qtz veining, brecciated between 152-152.3									
		- 155.9-156.2									
		locally chlorite, less qtz veining									
		- 160.8-163.2			8921	160.8	163.2				
		qtz/carb zone, mainly qtz with bleaching & epidote along with minor carbonatization contacts @ 40° - 45° to C.A.									
		- 174.3-174.6									
		irregular qtz veinlets									
		- 174.6-175.6			8922	174.3	175.0				
		Irregular qtz veinlets with associated alt ²									
		- 176.4-177.2									
		same as 174.6 -175.6									
		- 177.3-178			8923	176.4	179.2				
		syenite dike contacts @ 60° to C.A.									
		- 179.8-181.4			8924	179.8	181.4				
		bleached zone assoc. with qtz ≤ .5 cm @ 45° - 60° to C.A.									
		- 186.5-189			8925	186.5	189				
		bleached zone assoc. with qtz veinlet ≤ 1 cm wide									
		- 190-191.2			8926	190	191.2				
		same as 186.5-189									
		- 192-193			8927	192	199.5				
		carb & epidote									
		- 196.6									
		2.5 cm qtz /carb veinlet									
		- 197.5-199.5									
		same as 192-193									
		- 203.9-204									
		minor irregular qtz/carb veining									
		- 213.2-217.5									
		minor qtz veinlets @ 80° to C.A.									
		- 222.5-226.5									
		minor qtz/carb veinlets @ 45° - 60° to C.A.									
		- 246.7-247									
		slight bleaching due to qtz veinlet @ 70° - 80° to C.A.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
		- 258.5-260								
		carbonatization, qtz veinlets @ 55° to C.A., local chert fragments.								
		- 270.5-280.6								
		greenish grey greywacke, minor qtz veining @ 55° - 65° to C.A., locally carbonatization								
		- 280.6-303								
		chloritized, locally carbonatized, minor qtz veining, dark green in color								
		- 303-320								
		carbonate zones, dark green in color, chloritized, minor carb veinlets. schistose @ 45°-90° to C.A.								
		- 320-363								
		dark green chlorite, non-carbonatized minor tuff bands & fragments, numerous carb veinlets, schisted @ 50° to C.A.								
363	402	DIABASE								
		dark, greenish, massive med. gr. (\leq zmm) locally epidote finer grained to 374. rock breaks @ 60° - 90° to C.A. minor carb veinlets @ 20° - 50° to C.A. epidote as stringers. Rock generally has a salt & pepper look about, slightly carbonatized throughout.								
402	418	Finer grained version of diabase, heavier carb. no epidote.								
418	459	SEDIMENT (GREYWACKE)								
		blue grey fine to medium grained, heavily carbonatized, schistose @ 60° to C.A., relatively massive, locally chloritic, local epidote, upper contact @ 80° to C.A. lower contact @ 65° to C.A.								
		- 424-432								
		massive zone								
		- 432-459								
		coarser grained zone								
		- 451								
		2.5 cm carb stockwork @ 45° to C.A.								
		- 455-458								
		carbonatized and heavily schisted gouge @ 457	8929	455	458					

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DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
459	483	- 458-459	8930		458	460					
		SYENITE									
		- 459.6-460.4									
		- 460.8		8931		460	464.4				
		- 461.5-465.0									
		- 467-469		8932		464.6	469.5				
		- 467.2-467.7									
		- 469.5-470.3									
		- 472-473		8933		469.5	474.5				
		- 473.1-475									
- 474.5-480.4		8934		474	478						
- 480.4		8935		478	483						
483	560	PORPHYRITIC SYENITE		8936		483	488.5				
		- 484									
		- 488.9		8937		488.5	493.4				
		- 490		8938		493.4	497				
		- 496.1-496.3		8939		497	501.8				
		- 499.6-501.6		8940		501.8	506.5				

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DIAMOND DRILL RECORD

 NAME OF PROPERTY Amalgamated Kirkland

 HOLE NO. 1

 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
		- 501.8-506.5								
		- 502.5-503								
		- 506.7								
		- 506.8								
		- 510								
		rock is carbonatized between 501.8 - 524.2								
		- 525	8942	511.7	516.6					
			8943	516.6	521.4					
		- 530	8944	521.4	525					
		- 535.8-536.2	8945	525	529.6					
			8946	530	535.7					
			8947	535.7	540.6					
		- 550	8948	540.6	545					
			8949	545	550.3					
560	598.4	BASIC SYENITE	8950	550.3	553					
		Reddish grey in color, carbonatized throughout, porphyritic, locally zones are redder because of carbonate intrusion, irregular carb veinlets, occasional mafic infilled fractures, core angles @ 60° to C.A. local fine grained zones, slightly + locally chloritic	8951	553	557.2					
			8952	557.2	562					
			8953	562	567					
			8954	567	571.9					
			8955	571.9	576.2					
			8956	576.2	580					
			8957	580	583					
		- 576.2-583	8958	583	586					
		altered zone, qtz + carb intrusion rather than strictly carbonate veining ≤ 1.5 cm, locally brecciated + epidote. qtz/carb ~ 1% of total. ~ 1% py-cpy throughout c 3mm either diss. or associated with veinlets core angles @ 70° - 90° to C.A.	8959	586	590					

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ./TON	OZ./TON
					FROM	TO				
598.4	603.5	- 583-586 fine grained - 590 rock fractures @ 60° - 90° to C.A. CONTACT ZONE greenish grey in color, epidote, bleached, olive green phenocrysts, local hematite cones, schistose appearance @ 30° - 40° to C.A. ~ 0.5% py throughout as blebs & diss ^S with veinlets and/or on their own lower contact gradational.	8960		590	594				
			8961		594	598.4				
			8962		598.4	603.5				
			8963		603.5	610.1				
603.5	611	SYENITE reddish pink in color, slightly porphyritic, carbonatized in microfractures throughout. locally epidote due to qtz intrusion, occasional black (mafic) xenolith, minor qtz veining @ n 50° to C.A. sulphides (py) -0.5% occur as fine diss ^S and blebs throughout either associated with fracture fillings and/or on their own minor py as cubes < 1mm Occasional gph slip lower contact @ 60° to C.A. 610-epidote zone	8964		610.1	614.5				
611	662.5	BASIC SYENITE same as above carbonate on microfractures and as narrow veinlets Phenocrysts are locally larger < .75 cm . mafic material up to 50% locally giving a pseudo breccia appearance occasional graphite slip. deep red zones + bleaching assoc. with minor qtz veinlets.	8965		614.5	619.4				
			8966		619.4	624.3				
			8967		624.3	627.5				

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
627.5	628.8	CONTACT ZONE gradational contact into porphyrite red syenite, same as above								
628.8	662.5	PORPHYRITIC SYENITE same as above. more mafic infilling and veinlets. carb veinlets, blebs, microfractures throughout, graphite slips @ 70° - 80° to C.A. carb veining @ 40° to C.A. lower contact is a carb vein < 1 cm with graphite @ 40° to C.A. Minor diss py throughout 641-647.2 slightly darker in color with occasional black xenolith carbonatized	8968 8969 8970 8971 8972 8973 8974 8975		627.5 633.7 638.6 643.4 647.2 652 656.4 662.2	633.7 638.6 643.4 647.2 652 656.4 662.2 666.2				
662.2	666.2	CONTACT ZONE fine grained, carbonatized, purplish grey in color, phenocrysts are more carbonatized than groundmass. very little carb and/or qtz veining locally chloritic. Tr py disseminated throughout.								
666.2	712	BASIC SYENITE same as above, porphyrite, locally fine grained carbonatized, especially phenocrysts. minor irregular qtz - carb veinlets + fracture fillings - 675.1 - 675.9 bleached zone associated with narrow qtz veinlet (<1.5 cm) @ 80° to C.A. units has occasional graphite slips @ 60° to C.A. - 693 4 cm qtz vein with intermixed carb. has local reddish stain probably due to carbonate.	8976 8977 8978 8979 8980 8981 8982 8983 8984		662.2 670.4 674.2 679.6 684.6 691.5 696 702.2 706.8 711	670.4 674.2 679.6 684.6 691.5 696 702.2 706.8 711				

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ./TON	OZ./TON
					FROM	TO	TOTAL				
		<p>matic material heavier as veinlets - irregular fracture fillings between 691.5-696. This is where most of the alteration is evident ie. local breccia zones + larger non carbonate fragments (< 2 cm 694-695) local specular hematite as narrow stringers + veinlets.</p> <p>- 696-698 redder in color, local rusty zones core angles @ 45° - 60° to C.A.</p> <p>lower contact sharp @ 70° to C.A.</p> <p>- 707-712 mafic xenoliths</p>									
712	766.5	<p>PORPHYRITIC SYENITE</p> <p>slightly carbonated due to microfracture infillings occasional graphite slips @ ~ 35° to C.A. Occ black fragments < 2 cm , local rusty zones (minor) unit tends to fracture @ 75° - 35° to C.A. usually along graphite slips. Py occurs on some of these slips as splashes as well as diss- From 726.6 on rock is carbonated.</p> <p>- 737.9-738.5 non carbonated</p> <p>- 732.4-733.4 rock is lighter in color</p> <p>- 748.5-758 unit is not as porphyritic</p> <p>- 752.7-752.9 bleached</p> <p>unit cleaves @ 45° to C.A. @ 750'</p> <p>Tr py as fine dissinations throughout. unit gradually grades into basic syenite ie. getting more purplish in color.</p>	8985		711	716.2					
			8986		716.2	721.2					
			8987		721.2	725.6					
			8988		725.6	730.7					
			8989		730.7	735.8					
			8990		735.8	739.6					
			8991		739.6	744					
			8992		744	748.6					
			8993		748.6	753					
			8994		753	758					
			8995		758	762.2					
			8996		762.2	767					
			8997		767	771.5					
			8998		771.5	776.4					
			8999		776	781					

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
766.5	780	<p>BASIC SYENITE</p> <p>carbonatized as veinlets + microfractures. minor narrow graphite slips throughout. slightly prophyritic, occasional mafic fragment (< 5 cm) locally redder incolor, locally chloritic, locally non carbonatized, minor qtz as phenocrysts + stringers as well as carb stringers. core angles @ 60° - 90° to C.A. Py occurs as fine disseminations scattered throughout + associated with mafic material as veinlets + fractures.</p> <p>-777.4 V.G? in narrow qtz vein. Au intergrown with py</p> <p>py also assoc. with qtz veinlets + graphite slips</p>									
890	917.9	<p>SYENITE</p> <p>non porphyritic, heavily impregnated by carb, + qtz/ carb veinlets + microfractures.</p> <p>-901.9 py cubes associated with carb veinlets < .5 cm</p> <p>unit has local specular hematite, core angles @ 50° - 60° to C.A., unit has local epidote especially near bottom contact. minor scattered diss. py, throughout, minor cubes (small < .5 cm) lower contact sharp @ 70° to C.A.</p>	9000	781	786						
			2501	786	791						
			2502	791	796						
			2503	796	801						
			2504	801	805						
			2505	805	810						
			2506	810	814						
			2507	814	819						
			2508	819	824						
			2509	824	828.5						
			2510	828.5	833						
			2511	833	837.7						
			2512	837.7	842.7						
			2513	842.7	847						
			2514	847	852						
			2515	852	856.6						
			2516	856.6	861						
			2517	861	866						
			2518	866	871						

ANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Amalgamated Kirkland

HOLE NO. 1 SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ./TON	OZ./TON
					FROM	TO	TOTAL				
917.9	936	CONGLOMERATE greenish grey in color. large subrounded fragments some syenitic locally fine grained, locally schisted @ 70° to C.A. locally epidotized, minor irregular carb/ qtz veining, fracture filling minor fine py.	2519		871	875.5					
			2520		875.5	881.5					
			2521		881.5	885					
			2522		885	890					
			2523		890	895					
			2524		895	900					
			2525		900	905					
			2526		905	910					
			2527		910	914					
			2528		914	917.8					
	936	END OF HOLE									



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
 TELEPHONE: (705) 642-3244
 ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54395 Date: December 28, 1982
 Received December 22, 1982 28 Samples of Split Core
 Submitted by ACA Howe International Limited, Toronto, Ontario
"Eden Roc Minerals Corp. Project" Samples Per: Mr. B. MacIsaac

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
8901	Nil	8920	0.001
8902	Nil		0.001
8903	Nil	8921	Nil
8904	Nil	8922	Nil
8905	Nil	8923	Nil
8906	Nil	8924	Nil
8907	Nil	8925	Nil
8908	Nil	8926	Nil
8909	Nil	8927	Nil
8910	Nil	8928	Nil
8911	0.001		
	0.001		
8912	0.001		
8913	Nil		
8914	Nil		
8915	Nil		
8916	Nil		
8917	0.001		
	0.001		
8918	Nil		
8919	Nil		

Per *G. Lebel*
 G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54417

Date: January 4 1982

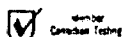
Received Dec. 29/82 51 Samples of split core

Submitted by ACA Howe International Ltd., Toronto, Ontario Samples per: Mr. B. MacIsaac
"Eden Roc Project"

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD OZ./ton
8929	0.002	8946	0.002	8963	0.001
8930	0.001	8947	0.001	8964	0.005
8931	0.002	8948	0.002	8965	0.006
8932	0.003	8949	0.001	8966	0.010
8933	0.002	8950	0.001	8967	0.014
8934	0.002	8951	0.002		0.012
8935	0.002	8952	0.014	8968	0.001
8936	0.002		0.018	8969	0.001
8937	0.004	8953	0.003	8970	0.002
8938	0.003	8954	0.004	8971	0.006
	0.002	8955	0.005	8972	0.006
8939	0.002	8956	0.005	8973	0.003
8940	0.003	8957	0.002	8974	0.007
8941	0.005	8958	0.006	8975	0.002
	0.004	8959	0.002	8976	0.001
8942	0.004	8960	0.003	8977	Nil
8943	0.006	8961	0.003	8978	0.001
8944	0.006	8962	0.001	8979	0.001
8945	0.003				

Per G. Lebel
G. Lebel - Manager

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

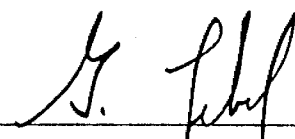
Certificate No. 54418

Date: January 4 1983

Received Jan. 3/83 35 Samples of Split core

Submitted by ACA Howe International Ltd., Toronto, Ontario Samples per: B. MacIsaac

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
8501	0.009	8984	0.006
8502	0.016	8985	0.004
	0.015	8986	0.002
8503	0.015	8987	0.004
8504	0.007	8988	0.004
8505	0.004	8989	0.003
8506	0.007	8990	0.003
8507	0.005	8991	0.007
8508	0.005	8992	0.004
8509	0.005	8993	0.010
8510	0.013	8994	0.010
	0.011	8995	0.012
8511	0.008		0.009
8512	0.005	8996	0.007
8513	0.005	8997	0.004
8514	0.005	8998	0.005
8980	0.002	8999	0.006
8981	0.002	9000	0.008
8982	0.006		0.009
8983	0.012		
	0.013		

Per 
G. Lebel - Manager

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54423


Date: January 7 1982

Received Jan. 5/83 14 Samples of split core

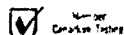
Submitted by ACA Howe International Ltd., Toronto, Ontario Samples per: Mr. B. MacIsaac

Eden Roc Project

SAMPLE NO.	GOLD Oz./ton
8515	0.006
8516	0.006
8517	0.008
8518	0.011 0.014
8519	0.013
8520	0.022
8521	0.025 0.025
8522	0.011
8523	0.005
8524	0.004
8525	0.003
8526	0.002
8527	0.003
8528	0.004 0.002

Per 
G. Lebel - Manager

ESTABLISHED 1928



S A M P L E S

<u>NUMBER</u>	<u>FOOTAGE</u>	<u>WIDTH</u>	<u>OZ/TON</u>	<u>AU</u>
8931	460-464.6	4.6	.002	
8932	4646.6-469.5	4.9	.003	
8933	469.5-474.5	5	.002	
8934	474-478	4	.002	
8935	478-483	5	.002	
8936	483-488.5	5.5	.002	
8937	488.5-493.4	4.0	.004	
8938	93.4-497	3.6	.003	
8939	497-501.8	4.8	.002	
8940	501.8-506.5	4.2	.003	
8941	506.5-511.2	4.7	.005	
8942	511.2-516.6	5.4	.004	
8943	516.6-521.4	4.8	.006	
8944	521.4-525	4.6	.006	
8945	525-529.6	4.6	.003	
8946	530-535.7	5.7	.002	
8947	535.7-540.6	4.9	.001	
8948	540.6-545.5	4.9	.002	
8949	545.5-550.3	4.8	.001	
8950	550.3-553	2.7	.001	
8951	553-557.2	4.2	.002	
8952	557.2-562	4.8	.014	
8953	562-571.9	5	.003	
8954	571.9-576.2	4.9	.004	
8955	576.2-580	4.3	.005	
8956	580-583	3.8	.005	
8957	583-586	3	.002	
8958	586-590	3		
8959	590-594	4		
8960	594-598.4	4		
8961	594-598.4	4.4		
8962	598.4-603.4	5.1		

S A M P L E S

<u>NUMBER</u>	<u>FOOTAGE</u>	<u>WIDTH</u>	<u>OZ/TON AU</u>
8963	603.5-610.1	6.6	
8964	610.1-614.5	4.4	
8965	614.5-619.4	4.9	
8966	619.4-624.3	4.9	
8967	624.3-627.5	3.2	
8968	627.5-633.7	6.2	
8969	633.7-638.6	4.9	
8970	638.6-643.4	4.8	
8971	643.4-647.2	3.8	
8972	647.2-652	4.8	
8973	652-656.4	4.4	
8974	656.4-662.2	5.8	
8975	662.2-666.2	4	
8976	666.2-670.4	8.2	
8977	670.4-674.2	3.8	
8978	674.2-679.6	5.4	
8979	679.6-684.6	5	
8980	684.6-691.5	6.9	
8981	691.5-696		
8982	696-702.2	.62	
8983	702.2-706.8	4.6	
8984	706.8-711	4.2	
8985	711-716.2	5.2	
8986	716.2-721.2	5	
8987	721.2-725.6	4.3	
8988	725.6-730.7	5.1	
8989	730.7-735.8	5.1	
8990	735.8-739.6	3.8	
8991	739.6-744	4.4	

S A M P L E S

<u>NUMBER</u>	<u>FOOTAGE</u>	<u>WIDTH</u>	<u>OZ/TON AU</u>
8992	744-748.6	4.6	
8993	748.6-753	4.4	
8994	753-758	5	
8995	758-762.2	4.2	
8996	762.2-767	4.8	
8997	767-771.5	4.5	
8998	771.5-776.4	4.9	
8999	776.4-781	5	
9000	781-786	5	

S A M P L E S

<u>NUMBER</u>	<u>FOOTAGE</u>	<u>WIDTH</u>	<u>OZ/TON AU</u>
8901	33-34	1	
8902	45-46	1	
8903	47.5-48.5	1	
8904	51.5-54.3	2.8	
8905	54.3-57.15	2.85	
8906	60.7-61.2	0.5	
8907	61.2-65	3.8	
8908	65-67	2	
8909	76.9-79.2	2.3	
8910	84.3-85.5	1.2	
8911	93.3-95.5	2.2	
8912	96.1-97	0.9	
8913	103.5-105.2	1.7	
8914	105.2-111	5.8	
8915	115.4-116.2	1.7	
8916	118.6-122.45	3.85	
8917	124.3-127	2.7	
8918	127.5-128.4	0.9	
8919	135.7-138	2.3	
8920	151.3-152.3	1	
8921	160.8-163.2	2.4	
8922	174.3-175.6	1.3	
8923	176.4-179.2	2.8	
8924	179.8-181.4	1.6	
8925	186.5-189	2.5	
8926	190-191.2	1.2	
8927	192-199.2	7.2	
8928	Composite	-	
8930	455-458	3	

S A M P L E S

<u>NUMBER</u>	<u>FOOTAGE</u>	<u>WIDTH</u>	<u>OZ/TON AU</u>
2501	786-791	5	
2502	791-796	5	
2503	796-801	5	
2504	801-805	4	
2505	805-810	5	
2506	810-814	4	
2507	814-819	5	
2508	819-824	5	
2509	824-828.5	4.5	
2510	828.5-833	4.5	
2511	833-837.7	4.7	
2512	837.7-842.7	5	
2513	842.7-847	4.3	
2514	847-852	5	
2515	852-856.6	4.6	
2516	856.6-861	4.4	
2517	861-866	5	
2518	866-871	5	
2519	871-875.5	4.6	
2520	875.6-881.5	5.9	
2521	881.5-885	4.5	
2522	885-890	5	
2523	890-895	5	
2524	895-900	5	
2525	900-905	5	
2526	905-910	5	
2527	910-914	4	
2528	914-917.8	3.8	

0.10.0.0
0.0.0.1 0.0.0.0 33

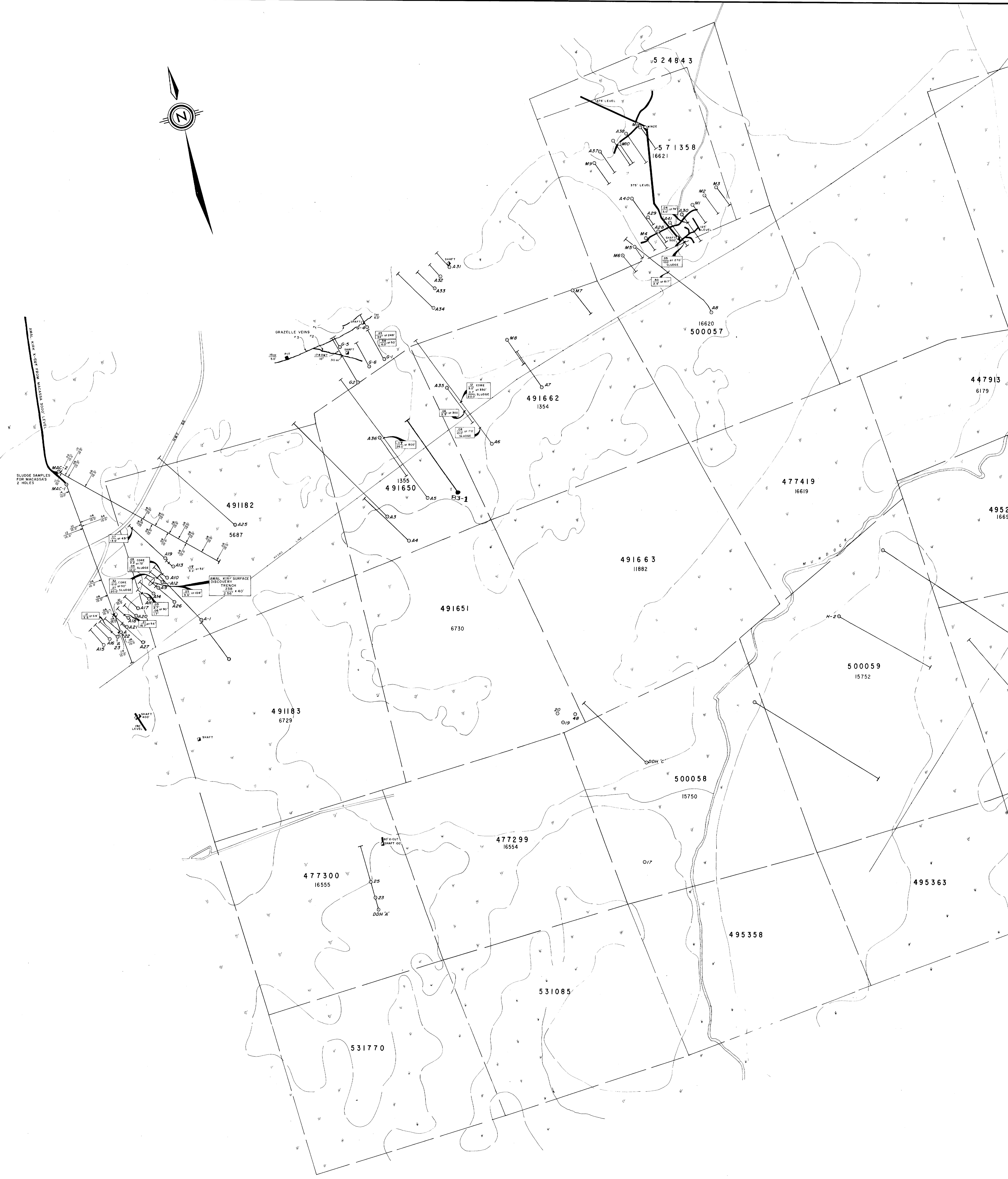
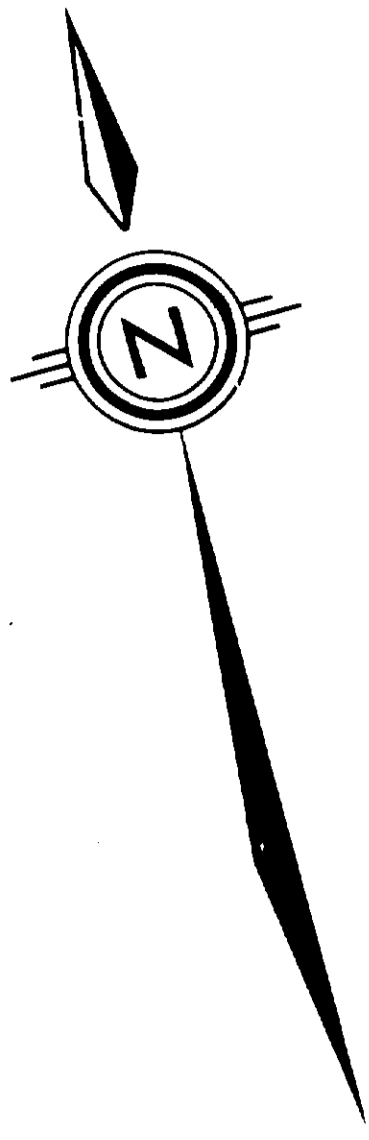
PORPHYRITIZED
SEDIMENTS

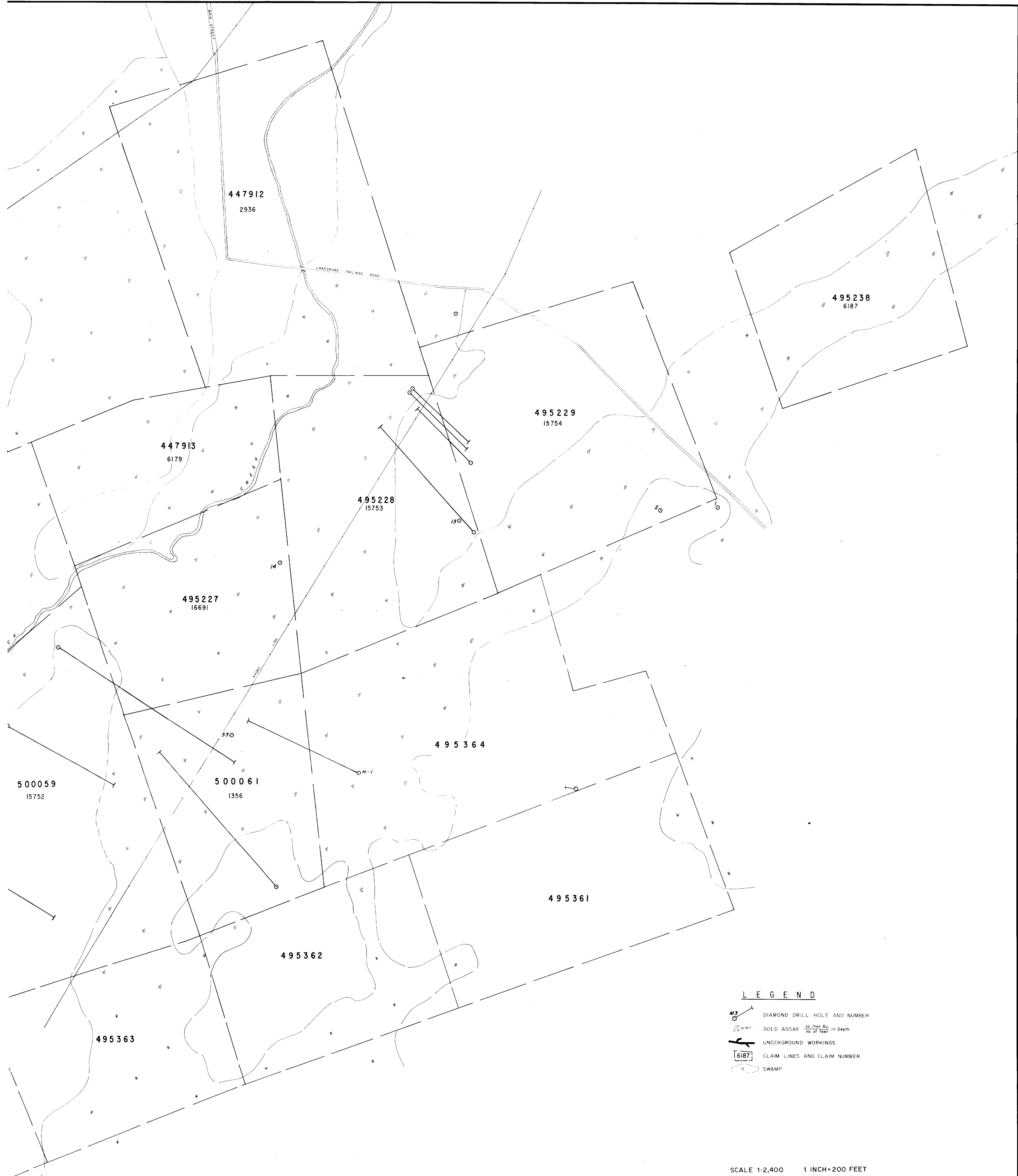
PORPHYRITIZED
SEDIMENTS
DIABASE
SYENITE
PORPHYRITIC
SYENITE
BASIC SYENITE

1" = 100'

SECTION OF NO 1
HOLE DRILLED ON
AMALGAMATED KIRKLAND
PROPERTY FOR
EDEN ROC MINERAL CORP

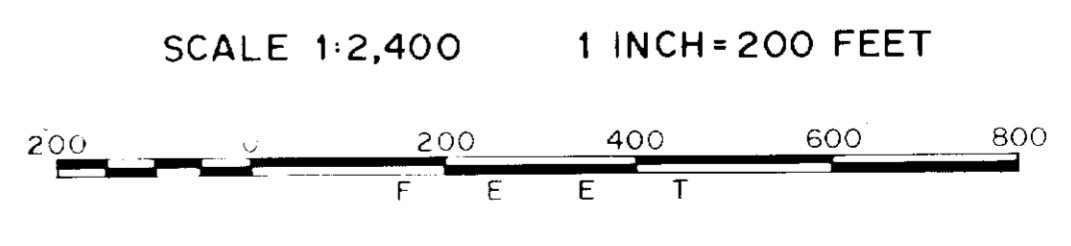
DIABASE
CHILLED ZONE
SEDIMENT
SYENITE
PORPHYRITIC
SYENITE
CONTACT
BASIC SYENITE
PORPHYRITIC
SYENITE
BASIC SYENITE
PORPHYRITIC
SYENITE
BASIC SYENITE
SYENITE
1936





LEGEND

- DIAMOND DRILL HOLE AND NUMBER
- GOLD ASSAY $\frac{\text{oz. / ton Au.}}{\text{No. of Test}} \text{ m Depth}$
- UNDERGROUND WORKINGS
- CLAIM LINES AND CLAIM NUMBER
- SWAMP



SURFACE PLAN SHOWING DIAMOND DRILL HOLE LOCATIONS

AMALGAMATED KIRKLAND PROPERTY
 KIRKLAND LAKE, ONTARIO LARDER LAKE MINING DIVISION

FOR
EDEN ROC MINERAL CORP OMB2-6-C-144