

42A02SE0004 2.13035 HOLMES

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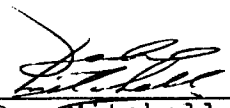
American Barrick Resources Corporation  
HOLT-McDERMOTT MINE

November 29, 1989

RECEIPT

Received from Mr. Mike Sutton the Sum  
of \$147.50.  
For Assays performed by our laboratory.

SIGNED

  
\_\_\_\_\_  
Don Mitchell  
Chief Accountant

:



**AMERICAN BARRICK RESOURCES CORPORATION**

Holt-McDermott Mine

P.O. Box 278, Kirkland Lake, Ont., P2N 3H7

January 8, 1990

To Whom It May Concern:

This is to certify that Mike Sutton had submitted to the Assay Lab. a total of 184 samples for gold and silver analysis.

For the month of December 1989, 203 determinations were done, 184 gold and 19 silver. The total cost of analysis was \$ 1522.50.

The cost of analysis was paid by American Barrick Exploration in agreement with Mike Sutton.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Tony Robles".

Tony Robles  
Chief Assayer

memo\90108.SUT

17912


**SWASTIKA LABORATORIES LIMITED**

 P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
 TELEPHONE: (705) 642-3244 FAX (705) 642-3300

JOUR	DATE	ANNÉE
28	June	1988
DAY	MONTH	YEAR

TRANSPORTEUR

SHIPPED VIA

 VENDU A  
 SOLD TO

 Mr. M. Sutton  
 1 Lakeshore Drive Apt. #106  
 Kirkland Lake, Ontario  
 P2N 3G3

 1.5% LATE CHARGE OVER 30  
 DAYS (ANNUAL RATE 18%)

NO. D'EXEMPT. DE TAXE FÉD.	NO. D'EXEMPT. DE TAXE PROV.	VOTRE NO. DE COMMANDE	NOTRE NO DE COMMANDE	CONDITIONS	REP. DES VENTES
FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	NET 30 DAYS	SALES REP.
QUANTITÉ QUANTITY	DESCRIPTION			PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT
2	Au Ag assays			\$ 17.50	\$ 35.00
2	Sample Handling cert.#71602 June 27, 1988			3.00	6.00
				TOTAL..	\$ 41.00

FACTURE/INVOICE

 ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
 ESTABLISHED 1928


**SWASTIKA LABORATORIES LIMITED**P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE: (705) 642-3244 FAX (705) 642-3300

20574

DATE  
OUR 7 Sept 1989  
DAY MONTH YEARTRANSPORTEUR  
SHIPPED VIAVENDU À  
SOLD TOMr. Michael Sutton  
Box 534  
Kirkland Lake, Ontario  
P2N 3J51.5% LATE CHARGE OVER 30  
DAYS (ANNUAL RATE 18%)

QUANTITÉ QUANTITY	DESCRIPTION	PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT
1	Au assay	\$ 8.75	\$ 8.75
1	Sample Handling Cert.#76097 Sept. 6, 1989	3.00	3.00
TOTAL....			\$ 11.75

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS  
ESTABLISHED 1928

30 Main St.  
Kirkland Lake, Ont.  
P2N 3E1

March 29, 1990.

Mr. D. Messenger  
Mineral Development & Lands Branch  
Ministry of Northern Development & Mines  
880 Bay St., 3rd Floor  
TORONTO, Ont.  
M5S 1Z8

**RECEIVED**

APR 03 1990

**MINING LANDS SECTION**

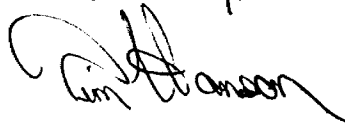
Re: File # 2.13035

Dear Mr. Messenger:

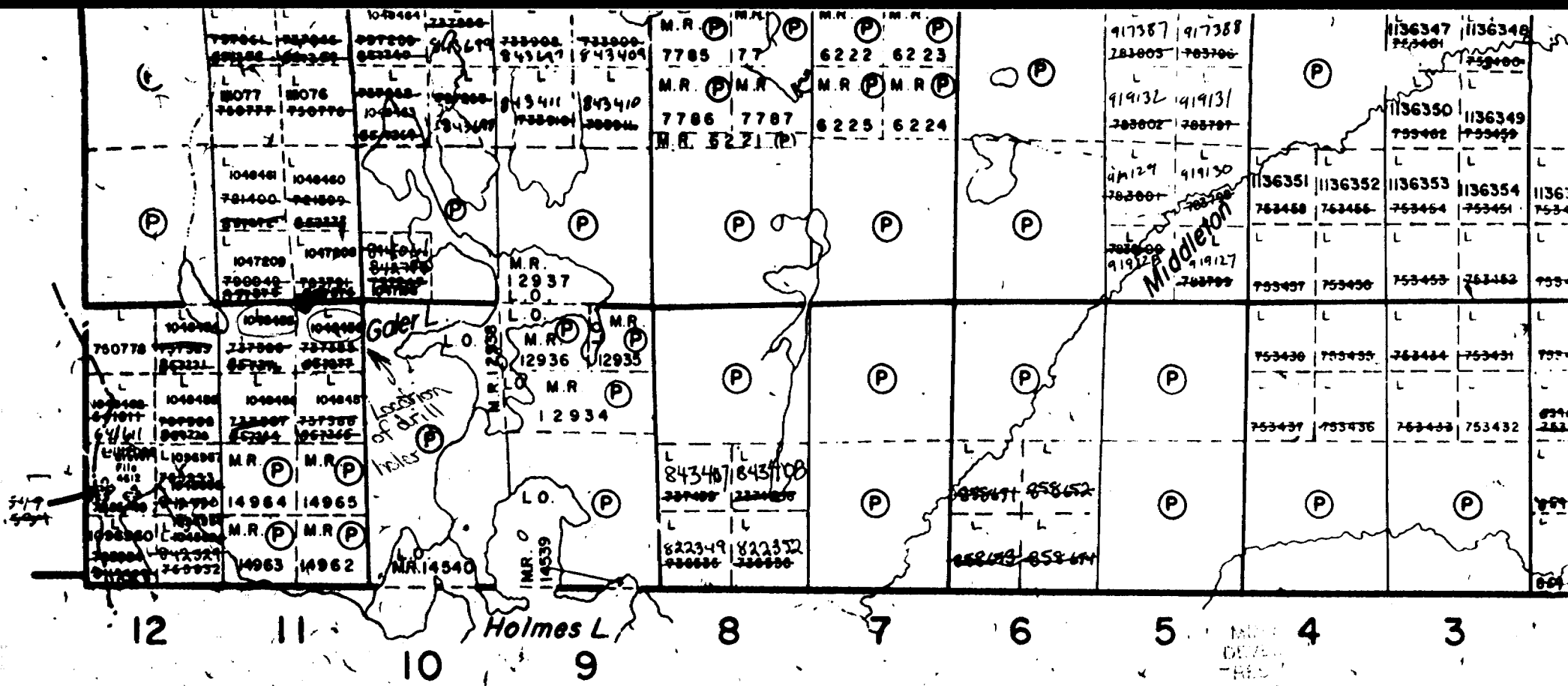
As you requested in our telephone call, please find enclosed a copy of a location map & drill core logs (with assays) for my drilling project in Holmes Twp.

I hope that this will be satisfactory.

Yours truly,



Tim Hanson, C.E.T.



Holmes Twp

Flavelle Twp.

JAN 11 1990

Drill holes # 1 & 2 located on claim # 1048456.  
 " " # 3 & 4 " " " # 1048455

## DIAMOND DRILL RECORD

HOLE # 187  
PAGE 1 of 2

## SUTTON-HANSON BLOCK

CORE SIZE 80 LENGTH 54.6M (180')  
 AZIMUTH 190° ACID TESTS: FOOTAGE 54.6M DIP -43.5  
 ANGLE -43.5 CLAIM # 1048456

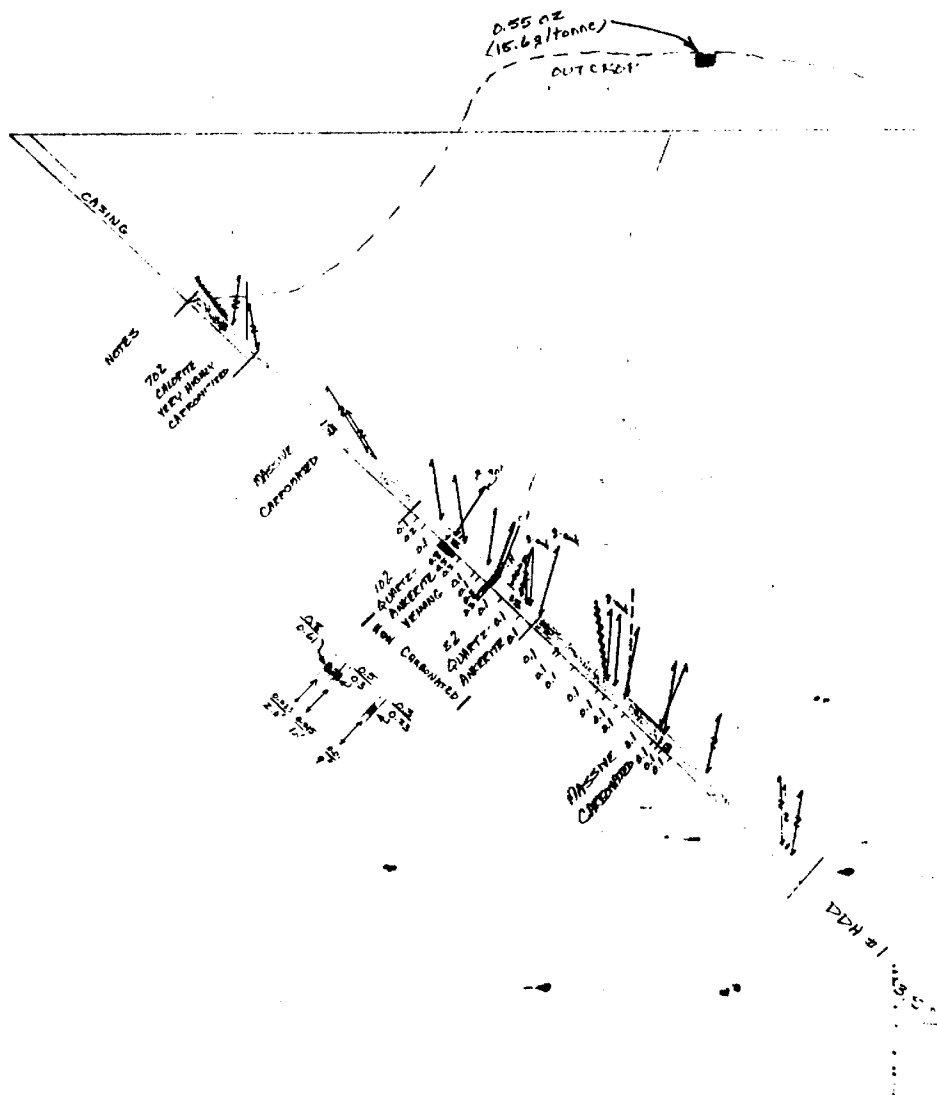
LOCATION: 405 FEET E-W OF 1777-11  
 DATE STARTED Dec 1/89 COMPLETED Dec 2/89  
 LOGGED BY MICHAEL SUTTON

DTCA = DEGREES TO CORE AXIS

FOOTAGE - METRE:				DESCRIPTION	SAMPLES					ASSAYS		NOTES		
FROM	FEET	TO	FEET		#	FROM	TO	LENGTH	DTCA	GRADES	AN AT		AR AT	
0	0	12.2	40	CASING										
12.2	40	16.46	54	SYENITE - HIGHLY CHLORITIZED (70°); - BLACK CORE; - VERY HIGHLY CARBONITIZED; - VERY STRONGLY FOLIATED MAKING CRYSTALS UNRECOGNIZABLE > SYENITE DYKE - MEDIUM RED, APHANTIC, HIGHLY CARBONITIZED, NO GOOD CONTACTS - 0 13.11 TO 13.51 (45-45°) > HIGHLY FOLIATED C 46 DTCA THROUGHOUT > FAULT PLANE WITH 0.01M CLAY GOUGE @ 10 DTCA @ 14.02-14.32 (46-46°) > SHEAR PLANES @ 55 DTCA @ 14.8 (48°); @ 37 DTCA @ 16.46 (54°)										
16.46	54	27.7	90	SYENITE - MASSIVE; NON FOLIATED; HIGHLY CARBONITIZED; - LOCALLY CHLORITIZED VOLCANIC INCLUSIONS UP TO 2 CM WIDE; - SHEAR PLANES; - FRACTURES ARE HIGHLY CARBONITIZED AND HALOES 0.1 METRE - 1.1 METRE BY YELLOW ALTERATION (LIMONITE); > SHEAR PLANES @ 15 DTCA @ 24.1 (79°) = @ 24.7 (81°)										
27.7	90	32.99	108	SYENITE - HIGHLY ALTERED - WITH QUARTZ-ANKERITE VEINING; - 10% QUARTZ-ANKERITE VEINING AND 5% QUARTZ VEINING IN GREY FINE GRAINED MATRIX; - FINELY - COARSE DISSEMINATED - BLEB FeS <sub>2</sub> ; - NON CARBONATED @ 29.9 (98') TO 36.07 (118' 4") > QUARTZ VEINING @ 32 DTCA @ 29.16 (75° 8") @ 30.6 (100' 6") TO 30.71 (100' 9") IS WHITE > QUARTZ-ANKERITE VEINING @ 78 DTCA @ 29.7 (98' 4") @ 30.0 (78°) @ 31.09 (102') > SYENITE DYKES @ 64 DTCA @ 27.7 (90°) TO 27.8 (91°) @ 65 DTCA @ 33.0 (108' 4") TO 33.2 (108' 11") @ WITH NO CLEAR CONTACT @ 31.65 (103' 10") TO 31.95 (104' 10") ARE RED APHANTIC > SHEAR PLANES (LIMONITED) @ 56 DTCA @ 32.51 (106° 8") @ 32.64 (107' 1")	460	27.7	30.10	28.2	92.6"	0.50	1		0.06	
					461	26.2	92.6"	28.7	94.2"	0.50	2		0.15	
					462	28.7	94.2"	29.87	98.0"	1.17	1/2		0.13	
					463	29.87	98.0"	30.48	100.0"	0.61	1 1/2	1'	0.75	0.012
					464	30.48	100.0"	30.78	102.0"	0.30	1		0.51	
					465	30.78	102.0"	31.24	108.0"	0.46	1		0.35	
					466	31.24	102.6"	32.16	105.0"	0.92	1		0.13	
					467	32.16	105.6"	32.46	106.0"	0.30	1/2		0.11	
					468	32.46	106.6"	32.99	108.0"	0.53	1/2		0.23	
32.99	108	33.22	109	CHERTY SILICIFIED VEIN; - RECOMATED; - WITH 40% ALBITE AND QUARTZ-ANKERITE > VEIN @ 68 DTCA > SHEAR PLANE @ 51 DTCA @ 32.99 (103° 5") TO 33.22 (109°) OFFSETS	469	32.99	108.5"	33.22	109.0"	0.23	3	9'	0.29	







- 15 SPHENE
- 13 SPHENE - HIGHLY ALTERED WITH QUARTZ-ANKERITE
- CH CHERY SILICIFIED VEINING
- FAULT
- SWEEP PLANE
- CONTACT
- FOLIATION
- VEINING



DIAGONAL DRILL RECORD

SUBSECTION - HANSON BLOCK

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_

LOCATION: \_\_\_\_\_  
 DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

DICA: DEGREES TO CORE AXIS

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES			ASSAYS		NOTES
FROM FEET	TO FEET			FROM	TO	LENGTH	2 FCs PERCENTAGE	Au g/t	
8.84 (29.0)	9.17 (30.1)	CHERTY SILICIFIED VEINING; 10% QUARTZ - ANKERITE; FINELY DISSEMINATED PYRITE. CORE CUTS FOLIATION, PREVIOUS EXECUTION OF CORES. QUARTZ - ANKERITE; DARK GREY SILICIFIED. CORES VEINING. LIGHT GREY SILICIFIED INCLINE QUARTZ. ALL LITHO. SAME AS 8.84-9.17 METRES.  > SHEAR ZONE CONTACT @ 8.84 TO 9.17	429	8.84 (29.0)	9.17 (30.1)	0.33	1/2	0.36	
9.17 (30.1)	10.26 (33.8)	SYENITE - HIGHLY ALTERED WITH QUARTZ - ANKERITE VEINING; 10% QUARTZ - ANKERITE; ALbite PRESENT IN LIGHT & DARK GREY QUARTZ & SILICIFIED VEINING. - SAME LITHO AS AT 6.22-6.76 METRES; MODERATE - WEAK MAGNETISM  > VEINING @ 9.17 TO 10.26	430	9.17 (30.1)	10.26 (33.8)	1.09	1/2	0.56	
10.26 (33.8)	10.62 (34.7)	CHERTY SILICIFIED VEINING; COARSE - FINELY DISSEMINATED PYRITE. 10% VEINING WITH ANKERITE. PYRITE SYENITE; VEINING IS GREY-WHITE  > SHEAR ZONE CONTACT @ 10.26 TO 10.62	431	10.26 (33.8)	10.62 (34.7)	0.36	3	0.75	
10.62 (34.7)	11.58 (38.5)	SYENITE - HIGHLY ALTERED WITH QUARTZ - ANKERITE VEINING; 15% QUARTZ - ANKERITE AND ALbite VEINING; CHLORITID AND CARBONATED SYENITE. SAME LITHO AS AT 6.22- 6.76 METRES; WEAK - MODERATE MAGNETISM  > VEINING @ 10.62 TO 11.58 TO CONTACT FOLIATION @ 6.60 TO 6.11 (36.5)	432	10.62 (34.7)	11.58 (38.5)	0.96	7	0.27	
11.58 (38.5)	11.96 (39.3)	QUARTZ VEIN, BLUE-GREY WITH WHITE ALbite; COARSE DISSEMINATED PYRITE IN WALL ROCK  > VEIN CONTACTS @ 11.58	433	11.58 (38.5)	11.96 (39.3)	0.33	1/2	0.21	



## DIAMOND DRILL RECORD

1108 108  
PAGE # 04/05

SUTTON HANSON BLOCK

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_

LOCATION: \_\_\_\_\_  
 DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

DICA; DEGREES TO CORE AXIS

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES		LENGTH	# TESTS	ASSAYS		NOTES
FROM	TO			FROM	TO			Au ALT	Ag ALT	
		18.9(620) TO 19.0(624); c 90 DICA = 21.23(678) = c 62 DICA								
		24.23 (726") TO 25.29 (830")								
24.21(860)	26.52(870)	CHERTY SILICIFIED VEINING; 20% QUARTZ ANKERITE IN VEINS VEINS; QUARTZ VEIN IN LIMONITIZATION c 26.39 (815) TO 26.44 (869"); DARK GREY COLOURATION WITH FINELY DISSEMINATED PYRITE; NON-CARBONATED QUARTZ + SILICA > CONTACTS c 56 DICA IN LIMONITIZATION	447	26.2(860)	26.52(870)	0.31	2		0.36	
26.52(870)	27.03(888)	SYENITE - HIGHLY ALTERED + WITH QUARTZ-ANKERITE; LIMONITIZED; HIGHLY CARBONATED; DARK GREY + WHITE; WEAKLY MAGNETIC  > LIMONITIZED SHEAR PLANE / FRACTURE c 10 DICA c 26.82(880) TO 27.03(888)	448	26.52(870)	27.03(888)	0.51	tr		0.16	
27.03(888)	27.23(894)	CHERTY SILICIFIED VEINING; SAME AS 26.21 TO 26.52; NON CARBONATED SILICIFICATION; LIMONITIZED  > CONTACTS c 60 DICA	449	27.03(888)	27.23(894)	0.20	2		0.09	
27.23(894)	28.75(944)	SYENITE - HIGHLY ALTERED + WITH QUARTZ-ANKERITE; c 2 QUARTZ- ANKERITE VEINING;  > VEINING c 160 DICA WITH LIMONITIZATION c 27.85 TO 27.94 > QUARTZ VEINING c 55 DICA c 28.01 (920) = c 62 DICA c 28.14 (924) = c 28.55 (938) (LIMONITIZED)	450 451	27.23(894)	27.94(918)	0.71	1		0.11	
				27.94(918)	28.75(944)	0.81	tr		0.10	
28.75(944)	29.02(955)	QUARTZ VEIN; GREY-BLUE; FINELY DISSEMINATED PYRITE; HIGHLY CARBONATED  > CONTACTS c 57 DICA	452	28.75(944)	29.02(955)	0.33	1		0.39	
29(955)	29.44(1072)	SYENITE - VERY HIGHLY FOLIATED WITH 40% CHLORITE; FINELY DISSEMINATED PYRITE LOCALLY IN HIGHLY CHLORITIZED ZONES; HIGHLY CARBONATED; GREY + WHITE COLOURATION	453 454 455 456	29.02(955)	29.57(970)	0.49	tr		0.08	
				29.57(970)	30.56(1003)	0.99	1		0.20	
				30.56(1003)	31.72(1035)	1.16	1		0.07	
				31.72(1035)	32.46(1072)	0.94	2		0.13	

## DIAMOND DRILL RECORD

HOLE # 81-22  
PAGE # 05/05

SUTTON-HANSON BLOCK

CORE SIZE

LENGTH

LOCATION

AZIMUTH

ACID TESTS: FOOTAGE

DIP

DATE STARTED

COMPLETED

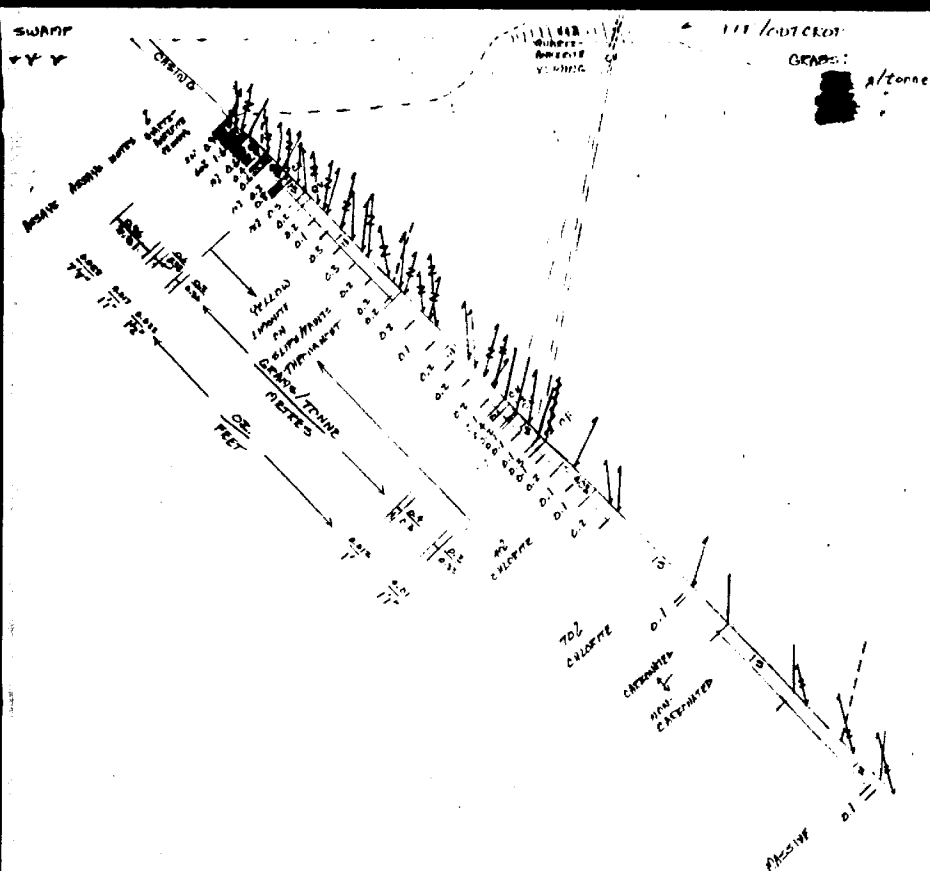
ANGLE

CLAIM #

LOGGED BY

DIP: DEGREES TO CORE AXIS

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES			ASSAYS		NOTES
FROM	TO			FROM	TO	LENGTH & RES. FOOTAGE	GRAV	RA	
		> CHLORITE @ 56 DTC							
		> A.V.T. PHASE WITH CHLORITE 0.08 F.A.C.T. GRADE 0072000							
		27.86 (96'0")							
		> QUARTZ VEIN @ 70 DTC @ 31.22 (102'5")							
31.16 (102'2")	42.19 (138'3")	SYENITE - VERY HIGHLY FOLIATED WITH 70% CHLORITE; VERY HIGHLY CARBONATED; TRACE WHITE CALCINATION; IR CRYSTALLINE VISIBLE; SAME AS 27.08 TO 32.66	457	31.16 (102'2")	34.11 (112'2")	1.53	tr	0.15	
		> QUARTZ VEIN @ 62 DTC @ 39.5 TO 39.73 WITH FINELY DISSEMINATED PYRITE							
		> QUARTZ VEIN @ 32 DTC @ 33.83 (111'0")	458	39.50 (129'7")	39.73 (130'4")	0.23	d	0.07	
		> QUARTZ - ANKERITE VEININGS @ 42 DTC @ 54.31 (178'7")							
		> CHLORITE @ 52 DTC THROUGHOUT @ 48 DTC @ 41.8 (137'0")							
		> SYENITE DYKES @ 52 DTC @ 37.03 (121'6") TO 37.18 (122'0") @ 55 DTC @ 37.01 (122'0") TO 37.16 (122'9")							
42.19 (138'3")	46.94 (154'0")	SYENITE DYKE - MASSIVE WITH 5% PHENOCRYSTS OF SANDINE UP TO 1CM; KEY WITH WHITE PHENOCRYSTS							
		> CONTACTS @ 45 DTC							
46.94 (154'0")	60.96 (200'0")	SYENITE - MOTTLED WITH 30% CHLORITIZED; ANKERITES; WEAKLY FOLIATED; NON CARBONATED; HIGHLY CHLORITIZED CARBONATED ZONE WITH FINELY DISSEMINATED PYRITE @ 53.04 TO 53.26 @ 50 DTC	459	53.04 (174'0")	53.26 (174'9")	0.22	d	0.11	
		> WEAKLY FOLIATED @ 60 DTC							
		> SHEAR ZONES / FRACTURES @ 30 DTC @ 51.81 (168'0") @ 47.85 (157'0") @ 59.25 (178'0")							
		> SYENITE DYKES @ 48 DTC @ 40.78 (133'5") TO 60.83 (199'7") @ 30 DTC @ 40.35 (132'7") (D.2)							



■ 0.5-0.99 g/tonne  
 ■ > 1.0 g/tonne

MICHAEL SUTTON  
 21/12/89

DIAMOND DRILL RECORD

SUTTON - HANSON BLOCK

CORE SIZE BD LENGTH 88.09 (289'0")  
 AZIMUTH 160° ACID TESTS: FOOTAGE 88.09 DIP -47°  
 ANGLE -47° CLAIM # 1048455  
(251'6")

LOCATION: 78 METERS WNW 1/4 1  
 DATE STARTED Dec 6/88 COMPLETED Dec 7/88  
 LOGGED BY MICHAEL SUTTON

11 111-03

19CA: DEGREES TO CORE AXIS

FOOTAGE - METERS		DESCRIPTION	SAMPLES					ASSAYS		NOTES		
FROM FEET	TO FEET		#	FROM	TO	LENGTH	2 FCs	SIZE	FRAGMENTS		Au Alt	Ag Alt
0 (0)	3.25 (10'8")	CASING - O/S										
3.25 (10'8")	4.67 (15'4")	TRACHYTE - HIGHLY ALTERED; FINE & COARSE DISSEMINATED PYRITE NON CARBONATED; 3.73 (12'3") TO 4.04 (13'3") IS FINE GRAINED WITH PALE GREEN-GREY MATRIX; 10% SERICITIZATION & 10% CHLORITE; SILICIFIED THROUGHOUT. INCREASING IN QUANTITY 4.67 (15'4"); NON MAGNETIC > GREY SILICIFIED VEINING c 64 DICA TO 74 DICA WITH UP TO 15% FES2 & 2% QUARTZ-ANKERITE	069	3.25 (10'8")	5.73 (18'8")	0.48	3	UPTO 1000 V=0.05	1.12			> USUALLY THE RED SYENITE IS HIGHLY MAGNETIC; THE FRAGMENTS VARY IN THEIR DEGREE OF MAGNETIC AND HIGHLY ALTERED & SERICITIZED ZONES ARE NON MAGNETIC
			070	3.73 (12'3")	4.04 (13'3")	0.31	6	V=0.05	0.64			
			071	4.04 (13'3")	4.67 (15'4")	0.63	3	V=0.05	0.43			> THE HIGHLY ALTERED TRACHYTE DIFFERS FROM SIMPLE ALTERED TRACHYTE AS FOLLOWS: - HIGHLY ALTERED IS PALE GREEN TO GREY DUE TO SERICIT AND SILICIFICATION & SIMPLE ALTERED TRACHYTE IS RED-BLACK WITH CHLORITE USUALLY AS BEDDING MASS - PYRITE CONTENT IS HIGHER IN HIGHLY ALTERED - PYRITE IS USUALLY FINER IN HIGHLY ALTERED
4.67 (15'4")	5.18 (17'0")	CHERTY SILICIFIED VEINING; AMOPHYOUS; SERICITATED WITH OOI FRAGMENTS & QUARTZ-ANKERITE (WHITE) ALTERATION OF GREY VEIN; COARSE & FINE DISSEMINATED PYRITE & COARSE LEEK FES2 > VEINING c 48 DICA	072	4.67 (15'4")	5.18 (17'0")	0.51	7		0.32			
5.18 (17'0")	5.61 (18'5")	TRACHYTE - HIGHLY ALTERED; HIGHLY SERICITIZED & SILICIFIED AS IN 3.25 - 4.67; COARSE & FINELY DISSEMINATED FES2; > QUARTZ-ANKERITE VEIN c 64 DICA > QUARTZ VEIN c 68 DICA > SHEAR PLANE / FRACTURES c 40 DICA c 5.49 (18'0")	073	5.18 (17'0")	5.61 (18'5")	0.43	5		0.39			
5.61 (18'5")	7.47 (24'7")	TRACHYTE - HIGHLY ALTERED; 30% MASSIVE RED SYENITE WITH 1-5 CM INCLUSIONS OF CHLORITIZED VOLCANICS CONTAINING 10% FES2 AND SILICIFICATION (10%); LOCALLY HIGHLY SERICITIZED AND FINE GRAINED; 15% QUARTZ-ANKERITE & SILICIFIED VEINING; WEAKLY CHLORITIZED & CARBONATED; COARSE DISSEMINATED FES2 > HEATIZED SHEAR PLANES (FAULT ZONES?) c 130 DICA c EJ (200), c 55 DICA c 6.76 (22'2") & c 50 DICA c 6.2 (20'4") > VEINING c 32 DICA c CONTACT WITH MASSIVE SYENITE & c 55 DICA c 7.42 (24'4") & c 50 DICA c 7.19 (23'7")	074	5.61 (18'5")	6.15 (20'2")	0.54	2.5	V=0.05	1.05			
			075	6.15 (20'2")	6.88 (22'7")	0.73	4		0.52			
			076	6.88 (22'7")	7.47 (24'7")	0.61	2.5		0.45			



## DIAMOND DRILL RECORD

SUTTON - HANSON BLOCK

PAGE 02/01

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_ DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_ LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES			ASSAYS		NOTES	
FROM	TO			FROM	TO	LENGTH	# Pcs	500g		Au/Ag
749 (247')	765 (251')	CHERTY SILICIFIED VEINING; COARSE BLESS & DISSEMINATED FeS <sub>2</sub> IN HIGHLY SERICITIZED & BRECCIATED CHERTY GREEY SILICIFICATION; WEAKLY CARBONITIZED; 10% QUARTZ - ANKERITE AS BRECCIATED FRAGMENTS  > CONTACTS @ 45 DTC	077	749 (247')	765 (251')	0.16	10	-	5AT	
765 (251')	853 (280')	FRAGMENTS OF CHLORITIZED VOLCANICS IN SHENITE; RED MASSIVE SHENITE WITH 10% INCLUSIONS IN DIFFERING STATES OF ASSIMILATION & UP TO 5CM WIDE; FRAGMENTS ARE WEAKLY MAGNETIC; NON CARBONATED; 10% CHLORITE; 10% CHALCOPYRITE BLESS IN QUARTZ VEIN ETC 52 DTC; 5% TRACHYTE PRESENT WITH HOMOGENEOUS 0.01 SANDINE	078	765 (251')	853 (280')	0.88	05	001	007	
853 (280')	899 (296')	TRACHYTE - HIGHLY ALTERED; SAME AS 5.61-749; HIGHLY CARBONATED, HIGHLY CHLORITIZED, FINE-GRAINED, MASSIVE VOLCANIC FRAGMENTS @ 879 (279') TO 877 (277') WITH FINELY DISSEMINATED PYRITE (2%); OVERALL WEAKLY CARBONITIZED; 15% HOMOGENEOUS 0.01 PHENOCRYSTS OF SANDINE	079	853 (280')	899 (296')	0.46	4	5.00	0.35	
899 (296')	965 (318')	> VEINING @ 12 DTC FRAGMENTS OF CHLORITIZED VOLCANICS IN SHENITE; SAME AS 7.65 - 8.55; HIGHLY CARBONITIZED & WITH 20% CHLORITE; MAGNETIC	080	899 (296')	965 (318')	0.66	1	-	0.06	
965 (318')	988 (325')	FRAGMENTS OF CHLORITIZED VOLCANICS BUT WITH TRACHYTE; 30% FRAGMENTS ASSIMILATED TO WEAKLY CHLORITE & PYRITE; 15% HOMOGENEOUS 0.01 PHENOCRYSTS; NON MAGNETIC  > QUARTZ VEIN @ 47 DTC @ 986 (324')	081	965 (318')	988 (325')	0.23	3	-	0.34	
988 (325')	1031 (351')	TRACHYTE - HIGHLY ALTERED; SAME AS 8.55 - 8.99; PHENOCRYSTS (10%) @ 0.01; NON MAGNETIC & HIGHLY CARBONITIZED  > SANDINE @ 48 DTC IN FOLIATION OR FLOW ALIGNMENT	082	988 (325')	1031 (351')	0.43	1	5.00	0.03	

DIAMOND DRILL RECORD

PAGE # 03/07

SUTTON - HANSON BLOCK

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_

LOCATION: \_\_\_\_\_  
 DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES				ASSAYS		NOTES
FROM	TO			FROM	TO	LENGTH	# FEET	Fe	Al	
10.31 (33' 1")	14.02 (46' 0")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; RED SYENITE CONTAINS 50% DARK GREEN - GREY CHLORITE INCLUDING 20% C 10.31 (33' 1") TO 11.58 (38' 0"); FRAGMENTS OF CHLORITE BLOCK ARE NON MAGNETIC; HIGHLY CARBONATED; 5% TRACHYTE WITH DOZ PHENOCRYSTS (LOCALLY) > CHERTY SILICIFIED VEINS OF 40% PTCA THROUGHOUT (0.25-1.0") > FRACTURE WITH 0.005 CLAY FANCT GOUGE OF 5% PTCA C 11.15 (36' 7")	085	10.31 (33' 1")	11.58 (38' 0")	1.27	tr	0.01	0.38	
			084	11.58 (38' 0")	12.80 (42' 0")	1.22	1		0.75	
			085	12.80 (42' 0")	14.02 (46' 0")	1.22	tr		0.29	
14.02 (46' 0")	14.7 (48' 1")	TRACHYTE - ALTERED; MASSIVE RED SYENITE C 14.52 (47' 0") TO 14.45 (47' 5"); HIGHLY CARBONATED; SANDY PHENOCRYSTS AVERAGE 1 CM IN RED SYENITE; 10% CHLORITE; FINE - COARSE PYRITE IN CHERTY VEIN C 40% PTCA C 14.02 C CONTACT; NON MAGNETIC > WHITE QUARTZ VEIN (VUGS) C 4% PTCA C 14.17 (46' 6")	086	14.02 (46' 0")	14.45 (47' 5")	0.44	tr	0.01	0.16	VERY LARGE PHENOCRYSTS
14.7 (48' 1")	15.42 (50' 7")	SYENITE; RED; HIGHLY CARBONATED; 2% CHLORITE GIVE MODERATE 40% PTCA FOLIATION; WEAKLY MAGNETIC	087	14.7 (48' 1")	15.42 (50' 7")	0.76	tr		0.10	
15.42 (50' 7")	15.72 (51' 7")	TRACHYTE - ALTERED; SAME AS 14.02-14.7; NON CARBONATED WITH 20% QUARTZ VEINING C 14% PTCA C WITH COARSE FES <sub>2</sub> VEINING; WEAKLY MAGNETIC	088	15.42 (50' 7")	15.72 (51' 7")	0.30	4	0.01	0.61	
15.72 (51' 7")	17.02 (55' 10")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; SAME AS 10.31-14.02; 10% FRAGMENTS OF 2% TRACHYTE (0.01); HIGHLY CARBONATED - WEAKLY MAGNETIC	089	15.72 (51' 7")	17.02 (55' 10")	1.30	tr	0.01	0.07	
17.02 (55' 10")	17.17 (56' 4")	CHERTY SILICIFIED VEINING; 50% VEINING C 9% PTCA WITH COARSE PYRITE; NON CARBONATED; GREY COLORATION	090	17.02 (55' 10")	17.17 (56' 4")	0.15	6	-	0.96	
17.17 (56' 4")	17.81 (58' 5")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; SAME AS 15.72-17.02; NON CARBONATED - WEAKLY MAGNETIC	091	17.17 (56' 4")	17.81 (58' 5")	0.64	tr	-	0.10	
17.81 (58' 5")	18.29 (60' 0")	CHERTY SILICIFIED VEINING IN RED SYENITE; 90% VEINING C 90% PTCA WITH FINE - COARSE DISSOCIATED FES <sub>2</sub> ; NON CARBONATED	092	17.81 (58' 5")	18.29 (60' 0")	0.48	3	-	0.09	
18.29 (60' 0")	21.57 (70' 10")	TRANSITIONAL ZONE TRACHYTE TO SYENITE; 50% PHENOCRYSTS C 0.01-0.02 IN TRACHYTIC ZONES; 30% CHMOD BLEB IN 1 CM QUARTZ	093	18.29 (60' 0")	17.51 (54' 0")	1.22	1.5	0.02	0.12	
			094	19.51 (64' 0")	20.87 (68' 6")	0.76	3		0.12	

## DIAMOND DRILL RECORDS

PAGE 2

SUTTON-HANSON BLOCK

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_

LOCATION: \_\_\_\_\_  
 DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES					ASSAYS		NOTES
FROM	TO		#	FROM	TO	LENGTH	# RES.	RES.	Au g/t	
		VEIN (5CM CARCO) @ 12 DICA @ 20.27 (66.7") TO 20.32 (66.8"); NON CARBONATED; QUARTZ VEINS ARE WHITE TO CLEAR > 5% QUARTZ VEINLETS @ 12 DICA @ 40 DICA THROUGHOUT	075	20.27 (66.7")	20.22 (67.0")	0.15	tr	5.62		
			076	20.27 (66.7")	21.07 (64.2")	1.17	tr	0.08		
21.57 (70.0")	24.92 (81.9")	SYENITE; MASSIVE; RED; HIGHLY CARBONATED; 5% TRACHYTE & 5% FRAGMENTS (VOLCANIC)								
24.92 (81.9")	25.10 (82.4")	CHERTY SUCIFIED VEIN; FINE-TO-COARSE DISSEMINATED FES <sub>2</sub> IN A MODERATELY CARBONATED TRACHYTE; CONTACTS ARE NOT SHARP	077	24.92 (81.9")	25.10 (82.4")	0.18	4	0.42		
25.10 (82.4")	26.52 (87.0")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; HIGHLY CARBONATED; 20% FRAGMENTS OF 3-6CM; PRESUMABLY A RED SYENITE DIKE @ 25.16 (81.0") TO 25.91 (85.0") IS NON CARBONATED & WITH INDISTINGUISHABLE CONTACTS; FRAGMENT @ 25.30 (83.0") IS NON MAGNETIC (SOME ARE HIGHLY MAGNETIC) WITH DARK BLACK HORNBLENDED CRYSTALS IN CLOTS; CHALCOPYRITE IN CARBONATE-QUARTZ VEIN @ 26.01 (86.0")								
26.52 (87.0")	27.43 (90.0")	SYENITE; AS IN 21.57-24.92 > FRACTURE @ 40 DICA @ 26.64 (87.5")								
27.43 (90.0")	31.37 (103.0")	TRACHYTE-ALTERED; SANDINE PHENOCRYSTS @ 0.01-0.1 ARE 0.02 x 0.1 @ 70 DICA; 20% CHLORITE VEINING; CHERTY VEINING; 0.1 PHENOCRYSTS - FRAGMENTS @ 27.67 (90.0") TO 27.76 (91.1") @ 61 DICA; COARSE DISSEMINATED TYRITE LOCALLY	078	27.43 (90.0")	27.81 (91.3")	0.15	4	0.07		ELONGATE CRYSTALS
			079	31.01 (102.0")	31.37 (103.0")	0.30	1.5	0.15		
31.37 (103.0")	34.67 (113.9")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; 2% DISCRETE FRAGMENTS - 10% CHLORITE IN CLOTS (ASSIMILATED INCLUSIONS?) > SHEAR PLANE/FRACTURE @ 54 DICA @ 31.57 (103.7")								
34.67 (113.9")	34.98 (114.9")	TRACHYTE-ALTERED; SAND @ 1402-1466; PHENOCRYSTS @ 35 DICA								
34.98 (114.9")	38.1 (125.0")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; SAME AS 31.37-34.67; NON MAGNETIC; 15% FRAGMENTS; 10% TRACHYTE WITH PHENOCRYSTS @ 23-100								
38.1 (125.0")	40.59 (133.0")	SYENITE; 5% TRACHYTIC ZONES WITH PHENOCRYSTS @ 0.01; WEAKLY CARBONATED; WEAKLY-MODERATELY MAGNETIC; CHALCOPYRITE IN QUARTZ VEINS IN CARBONATE VUGS; COARSE FES <sub>2</sub> IN SAMPLE 500 > QUARTZ VEINS @ 135 DICA @ 39.01 (128.0")	100	38.1 (125.0")	39.3 (129.0")	0.59	2	0.24		
			100	39.30 (129.0")	40.59 (133.0")	1.24	tr	0.40		

SUTTON - HANSON BLOCK

CORE SIZE \_\_\_\_\_

LENGTH \_\_\_\_\_

LOCATION \_\_\_\_\_

AZIMUTH \_\_\_\_\_

ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_

DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_

ANGLE \_\_\_\_\_

CLAIM # \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	#	SAMPLES			ASSAYS		NOTES
FROM	TO			FROM	TO	LENGTH & RES	GRAV	GR. WT	
		> CHERT SILICIFIED VEIN (0.02) WITH FINE Fe <sub>2</sub> O <sub>3</sub> @ 60 DTC							
		58.76 (127' 2")							
		> SHEAR PLANE / FRACTURE @ 60 DTC @ 40.31 (122' 5")							
40.24 (133' 6")	40.74 (133' 8")	CHERT SILICIFIED VEIN; HIGHLY CARBONATED @ IN TRACHYTIC ZONE WITH COARSE & FINE DISSEMINATED Fe <sub>2</sub> O <sub>3</sub>	401	40.54 (133' 0")	40.74 (133' 8")	0.20	15	-	0.44
		* CONTACTS @ 65 DTC							
40.74 (133' 6")	45.01 (147' 3")	FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE; SAME AS 31.37-34.67; 20% INCLUSIONS; WEAKLY CARBONATED @ MAGNETIC	402	41.74 (132' 8")	42.06 (132' 0")	1.32	tr	-	0.12
		> QUARTZ VEINS @ 80 DTC ARE 0.25 @ 42.06 (132' 0") TO 42.27 (132' 0")	403	42.06 (132' 0")	42.27 (132' 8")	0.21	0.5	-	0.12
		IN TRACHYTIC ZONE	404	42.27 (132' 8")	43.08 (141' 4")	0.81	tr	-	0.11
		> FRACTURE @ 75 DTC @ 44.81 (147' 0")							
45.01 (147' 3")	48.84 (160' 5")	SYENITE; RED; MASSIVE; HIGHLY CARBONATED; 30% CHLORITIZATION OF MAFIC CONSTITUENTS; NON-MAGNETIC							
		> QUARTZ VEIN (0.25) @ 70 DTC @ 45.42 (147' 0")							
48.84 (160' 5")	51.56 (169' 2")	TRACHYTE - ALTERED; WITH 20% 1-CM INCLUSIONS; NON CARBONATED; NON-MAGNETIC; 1% CHALCOPYRITE IN SAMPLE 405	405	48.84 (160' 5")	49.54 (162' 0")	0.54	0.5	7.004	0.19
		> QUARTZ VEINS @ 52 DTC @ 48.74 (160' 5") TO 49.54 (162' 0")	406	49.54 (162' 0")	50.20 (167' 6")	1.52	tr	7.0.08	0.14
			407	50.20 (167' 6")	51.56 (169' 2")	0.66	tr	7.0.01	0.17
51.56 (169' 2")	52.76 (173' 1")	CHERT SILICIFIED VEINING; NON CARBONATED; HIGHLY ERASATED AFTER EMPLACEMENT; FINE & COARSE DISSEMINATED & VEINED Fe <sub>2</sub> O <sub>3</sub>	408	51.56 (169' 2")	52.05 (172' 9")	0.49	5	-	1.18
		BLUE-GREY CHERT VEIN ERASATED TO ANGULAR FRAGMENTS WITH MATRIX OF CHLORITE & HEMATITE; FRAGMENTS ARE 0.05-0.1; WEAKLY MAGNETIC	409	52.05 (172' 9")	52.76 (173' 1")	0.71	5	-	0.98
		> VEINING AND CHLORITE @ 50-58 DTC							
		> FRACTURES @ 40 DTC @ 51.64 (169' 5") @ 50 DTC @ 52.76 (173' 1")							
52.76 (173' 1")	53.30 (176' 6")	SYENITE; 5% CHLORITIZED MAFIC IN RED HEATIZED SYENITE; MASSIVE; 2 CM FELDSPARS LOCALLY	410	52.76 (173' 1")	53.30 (176' 6")	1.04	tr	2.00	0.10
53.30 (176' 6")	54.51 (178' 2")	CHERT SILICIFIED VEINING; FINE GRAINED SERICITIZED @ CONTACT ZONE WITH 10% FINELY DISSEMINATED PYRITE @ 53.95 (177' 4") TO 54.05 (177' 4"); 10% TRACHYTIC ZONES WITH 0.05-0.1% CHALCOPYRITE	411	53.30 (176' 6")	54.51 (178' 2")	0.51	7	7.0.08	0.44
		> CHERT CONTACTS @ 62 DTC @ (SHEAR PLANE) @ 55.85 (176' 8") @ 80 DTC @ 54.25 (178' 0")							





LARGE HILL

OVERBURDEN

ROAD

0.5-0.99 g/tonne  
0.1-0.49 g/tonne  
0.01-0.09 g/tonne  
ROULDEAU

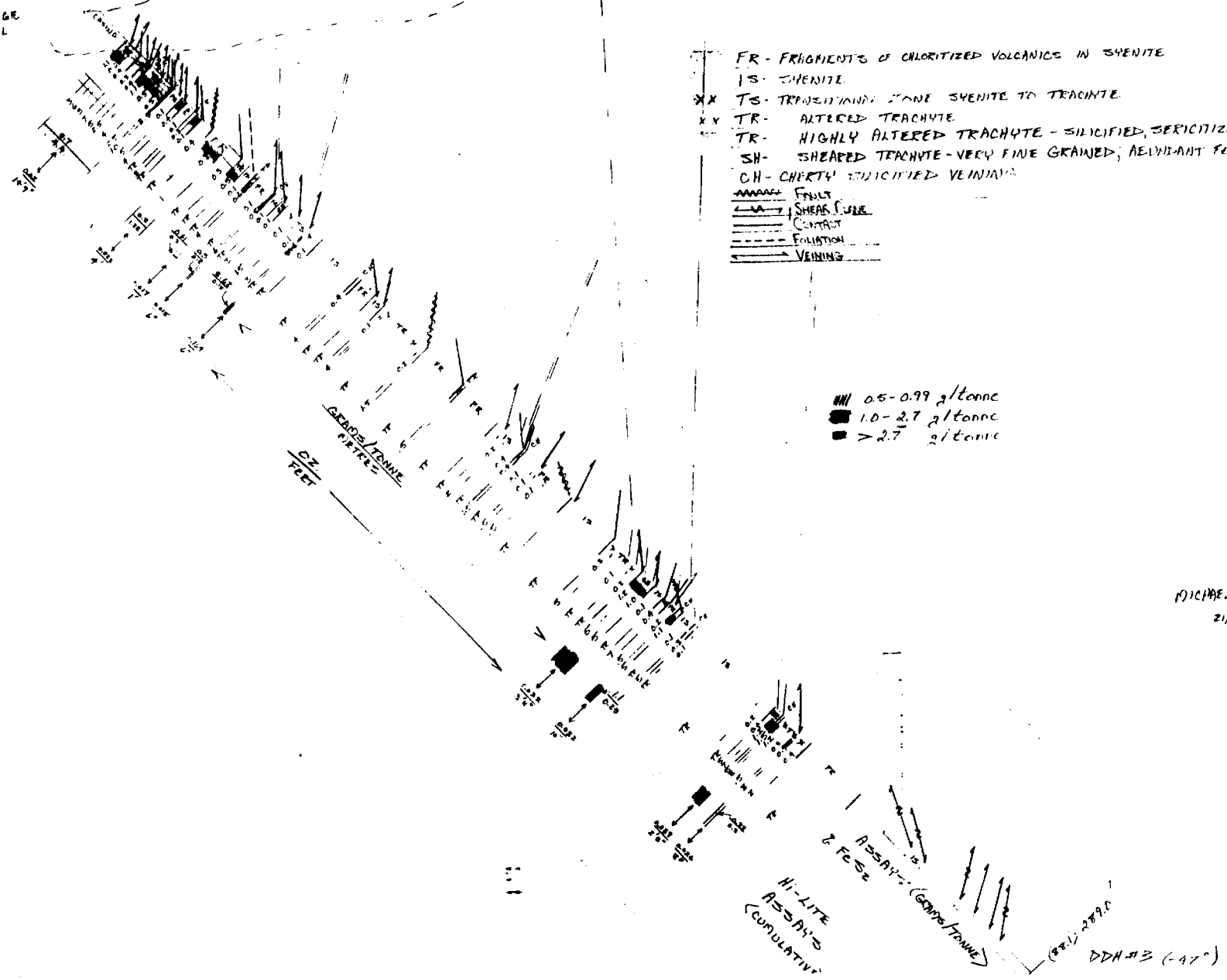
SWAMP

- FR - FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE
  - IS - SYENITE
  - XX TS - TRANSITIONAL STONE SYENITE TO TRACHYTE
  - XY TR - ALTERED TRACHYTE
  - YY TR - HIGHLY ALTERED TRACHYTE - SILICIFIED, SERICITIZED, FeS<sub>2</sub>
  - SH - SHEARED TRACHYTE - VERY FINE GRAINED; ABUNDANT FeS<sub>2</sub>
  - CH - CHERT SILICIFIED VEINING
- ~~~~~ FAULT  
 - - - - - SHEAR ZONE  
 - - - - - CONTACT  
 - - - - - FOLIATION  
 - - - - - VEINING

- ||||| 0.5-0.99 g/tonne
- 1.0-2.7 g/tonne
- > 2.7 g/tonne

1:250

MICHAEL SUTTON  
2/12/89



HI-LITE  
ASSAY'S  
(CUMULATIVE)

ASSAY'S (GRAB/TONNE)  
& FeS<sub>2</sub>

(881) 289.0  
DDA #3 (-47°)





# DIAMOND DRILL RECORD

SUTTON HANSON BLOCK

PAGE 1 OF 1

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_

LOCATION \_\_\_\_\_  
 DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES				ASSAYS		NOTES	
FROM	TO		#	FROM	TO	LENGTH	FEES	ANAL		ANAL
10.67 (35'0")	10.85 (35'7")	CHEERY SILICIFIED VEINING; COARSE & FINE DISSEMINATED FeS <sub>2</sub> IN FINE GREY CHEERY SILICIFICATION; 15% CHLORITE; 35% TRACHYTE HIGHLY CARBONATED; VEIN IS MOTTLED WITH FEEDSPAR CRYSTALS AS INCLUSIONS > VEINING c 10% DTCA	D11	10.67 (35'0")	10.85 (35'7")	0.18	5	0.27	1.1	
10.85 (35'7")	12.95 (40'10")	TRACHYTE - ALTERED; SAMPLE 25.57-10.67; PINK COLORATION; HIGHLY CARBONATED; 50% CHLORITE - UNDEFINITELY CARBONATED c 11.73 (38'6") TO 11.96 (37'3") > LATE QUARTZ-CARBONATE VEINS c 15-45 DTCA c 11.58 (36'0") 11.73 (38'6") CONTAINING 12% CHLOROPYRITE	D12 D13	10.85 (35'7") 11.58 (38'6")	11.73 (38'6") 11.96 (37'3")	0.89 0.72	0.5 0.5	0.17 0.17	1.1 1.2	
12.95 (40'10")	13.54 (44'5")	CHEERY SILICIFIED VEINING; FINE DISSEMINATED & VEINED FeS <sub>2</sub> c 10% QUARTZ-ANKERITE VEINING; 10% BOUNDED GREY TRACHYTE ARE PARTIALLY ASSIMILATED c 12.73 (43'5") TO 13.41 (44'0") c CONTAIN 10% COARSE FeS <sub>2</sub> ; PINK COLORATION; 60% TRACHYTE; SERICITIZED > SILICIFICATION c 5% DTCA > QUARTZ-ANKERITE VEINING c 4% DTCA	D14	12.95 (40'10")	13.54 (44'5")	1.09	5.5	2.21	1.1	START OF INTENSE ALTERATION
13.54 (44'5")	13.72 (45'0")	EPIDOTE; SAME AS 13.72-13.54; RED-GREY; HIGHLY CARBONATED - 20% CHLORITE > CONTACT c 5% DTCA c 13.54 IS QUARTZ VEINLET	D15	13.54 (44'5")	13.72 (45'0")	0.18	1.5	0.44	0.9	
13.72 (45'0")	14.53 (47'0")	CHEERY SILICIFIED VEINING; SAME AS 12.95-13.54 BUT LESS SILICIFIED; 10% CHLORITE; FINELY DISSEMINATED FeS <sub>2</sub> THROUGHOUT; HIGHLY CARBONATED; SERICITIZED; GREY IN COLOUR > VEINING c 4% DTCA > CONTACT c 5% DTCA c 14.27 (46'10") > SHEAR PLANE/FLACUTE c 4% DTCA c 14.27 (46'10")	D16	13.72 (45'0")	14.53 (47'0")	0.61	6	0.79	0.8	
14.53 (47'0")	15.06 (47'6")	CHEERY SILICIFIED VEINING; 15% PALE GREY-BLUE VEINING IN TRACHYTE WHICH IS LESS ALTERED - AWAY FROM VEINING; HIGHLY TO NON CARBONATED; FINELY DISSEMINATED FeS <sub>2</sub> THROUGHOUT; LOCALLY MOTTLED & OVERPRINTING EARLIER WHITE CARBONATE VEINING; > VEINING c 4% DTCA	D17	14.53 (47'0")	15.06 (47'6")	0.33	8	1.03	0.9	

## DIAMOND DRILL RECORD

SUTTON-HANSON BLOCK

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CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ LOCATION \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_ DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_ LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES				ASSAYS		NOTES	
FROM	TO		#	FROM	TO	LENGTH	GRS	AV. ALT		AV. ALT
15.06 (49'5")	15.32 (50'3")	TRACHYTE-HIGHLY ALTERED; 1% QUARTZ-ANKERITE; 30% CHLORITE AND; LOCALLY WEAKLY CARBONATED; FINELY DISSEMINATED FGS <sub>2</sub> ; SERICITIZATION THROUGHOUT; 5% VEINING	018	15.06 (49'5")	15.32 (50'3")	0.26	6	$\bar{x}=0.07$	0.8	0.8
15.32 (50'3")	16.74 (54'11")	SYENITE; COARSE DISSEMINATED FGS <sub>2</sub> ; RED; FURTHER CARBONATION; 10% CHLORITE & HIGHLY CARBONATED; TRACHYTE LOCALLY c. 70% SPTCA > CONTACT c. 70% SPTCA 15.82 (50'5")	019	15.32 (50'3")	16.74 (54'11")	1.42	2.5	$\bar{x}=0.01$	0.12	0.6
16.74 (54'11")	17.07 (56'0")	TRACHYTE-HIGHLY ALTERED; 70% PHENOCRYSTS; FINE & COARSE DISSEMINATED FGS <sub>2</sub> THROUGHOUT; > SILICIFIED VEIN c. 5% SPTCA 16.89 (55'5") TO 16.92 (55'6")	020	16.74 (54'11")	17.07 (56'0")	0.33	8	$\bar{x}=0.03$	0.35	0.7
17 (56'0")	17.4 (57'0")	CHERTY SILICIFIED VEINING; 10% TRACHYTE; VERY HIGHLY CARBONATED & WITH SERICITIZATION THROUGHOUT; GREY COLORATION > HIGHLY FOLiated c. 5% SPTCA	021	17.2 (56'0")	17.4 (57'0")	0.23	6.5	$\bar{x}=0.05$	0.36	0.8
17.4 (57'0")	17.93 (58'10")	TRACHYTE-HIGHLY ALTERED; 30% CHERTY VEINING c. 5% SPTCA; 10% CHLORITE; 30% PHENOCRYSTS AVERAGING 0.05; MODERATELY CARBONATED THROUGHOUT	022	17.4 (57'0")	17.93 (58'10")	0.53	7	$\bar{x}=0.05$	0.51	0.8
17.93 (58'10")	18.17 (59'8")	SYENITE - SAME AS 15.32-16.74; HIGHLY CARBONATED THROUGHOUT WITH 20% CHLORITE	023	17.93 (58'10")	18.17 (59'8")	0.26	2.5	-	0.27	0.8
18.17 (59'8")	18.28 (63'3")	TRACHYTE-HIGHLY ALTERED; FINELY & COARSE DISSEMINATED FGS <sub>2</sub> ; HIGHLY CARBONATED; SERICITE & SILICIFICATION THROUGHOUT; 20% PHENOCRYSTS > VEINING & SILICIFIED c. 4% SPTCA	024	18.17 (59'8")	18.28 (63'3")	1.09	7	$\bar{x}=0.06$	1.35	0.7
18.28 (63'3")	19.58 (64'5")	CHERTY SILICIFIED VEINING; SERICITIZED; WEAKLY CARBONATED; > SAME AS DESCRIBED PREVIOUSLY; 5-10% TRACHYTE > SHEAR PLANE c. 5% SPTCA c. CONTACT c. 17.58 (64'3")	025	18.28 (63'3")	19.58 (64'5")	0.30	6	$\bar{x}=0.01$	0.34	0.6
19.58 (64'5")	20.73 (68'0")	TRACHYTE-HIGHLY ALTERED; GREY COLORATION DUE TO INTENSE SILICIFICATION & SERICITIZATION, SAME AS 18.17-18.28; WEAKLY TO MODERATELY CARBONATED; 6% PHENOCRYSTS	026	19.58 (64'5")	20.73 (68'0")	1.15	6	$\bar{x}=0.01$	0.28	0.4
20.73 (68'0")	21.05 (69'0")	CHERTY SILICIFIED VEINING; 7% VEINING; COARSE DISSEMINATED PERITE & SERICITE; WEAKLY CARBONATED; VEINING CUTS WHITE QUARTZ-ANKERITE VEINING	027	20.73 (68'0")	21.05 (69'0")	0.30	4	-	0.24	0.6

## DIAMOND DRILL RECORD

SUTTON-HANSON BLOCK

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CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ LOCATION \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_ DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_ LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES				ASSAYS		NOTES	
FROM	TO		#	FROM	TO	LENGTH	Fe <sup>2+</sup> %	Fe <sup>3+</sup> %		
21.03 (69'0")	22.43 (73'7")	TRACHYTE - HIGHLY ALTERED; 30% SILICIFICATION (GREEN); SAME AS 19.58-20.73; VEINING & TRACHYTE ARE HIGHLY CARBONATED WITH SERPENTINIZATION; 3% COARSE DISSEMINATED Fe <sub>2</sub> O <sub>3</sub> IN SAMPLE # 028; FINE GRAINED MATRIX OF CHLORITE @ 22.00 (72'2") TO 22.10 (72'6"); CONTACT @ 22.43 IS VEINED & PRESUMABLY A MYLONITE - IS OFFSET LATERALLY BY A FRACTURE (BY 0.25) @ 17.5 DTCA; 70% PHENOCRYSTS IN # 028 - 50% IN # 029; SILICIFIED VEINING CONTAINING 20% COARSE - FINE Fe <sub>2</sub> O <sub>3</sub> @ 21.14 (69'5") & @ 21.74 (72'0") WHICH ARE 0.25 WIDE > QUARTZ-ANKERITE VEINING @ 21.39 (70'2") > VEINING IN # 029 @ 5 DTCA	028	21.03 (69'0")	22.00 (72'2")	0.97	8	0.77	0.6	
			029	22.00 (72'2")	22.43 (73'7")	0.43	3	0.4	0.4	
22.43 (73'7")	23.11 (75'10")	SYENITE; RED COLOURATION; HIGHLY CARBONATED; 5-10% TRACHYTE LOCALLY	030	22.43 (73'7")	23.11 (75'10")	0.68	1	0.07		END OF 1ST ZONE OF INTENSE ALTERATION + VEINING
23.11 (75'10")	23.27 (76'5")	TRACHYTE - ALTERED; 20% CHLORITE; HIGHLY CARBONATED; QUARTZ VEINLET @ 35 DTCA @ 23.11 (75'10"); MOTTLED SERICITE; RED-GREEN	031	23.11 (75'10")	23.27 (76'5")	0.18	1	0.01	0.01	
23.27 (76'5")	23.70 (77'9")	SYENITE; SAME AS 22.43-23.11	032	23.27 (76'5")	23.70 (77'9")	0.41	4	-	0.09	
23.70 (77'9")	24.00 (78'9")	TRACHYTE - ALTERED; SAME AS 23.11-23.27 > QUARTZ VEIN (0.01) @ 32 DTCA @ 24.00 (78'9")	033	23.70 (77'9")	24.00 (78'9")	0.30	1	0.01	0.07	
24.00 (78'9")	24.23 (78'11")	SYENITE; SAME AS 22.43-23.11; 20% TRACHYTE IN # 034 - NO TRACHYTE IN # 035; HIGHLY CARBONATED THROUGHOUT & ESPECIALLY IN THE 15% CHLORITE > CHEEZY QUARTZ VEIN @ 40 DTCA @ 24.31 (79'5") > QUARTZ VEIN @ 5 DTCA @ 25.71 (85'0") TO 26.52 (87'0") > QUARTZ-ANKERITE VEIN @ 5 DTCA @ 24.03 (80'8")	034	24.00 (78'9")	24.23 (78'11")	0.56	0.5	0.01	0.12	
			035	24.23 (78'11")	24.23 (78'11")	1.61	1	-	0.08	
26.23 (86'1")	26.87 (88'2")	TRACHYTE - ALTERED; SAME AS 23.11-23.27; 20% CHLORITE; 40% PHENOCRYSTS	036	26.23 (86'1")	26.87 (88'2")	0.64	0.5	0.03	0.06	
26.87 (88'2")	27.13 (89'0")	SHEARED TRACHYTE - VERY FINE GRAINED TO APHYRITIC; HIGHLY CARBONATED; GREEN-GREY; 10% 0.01 ROUNDED FRAGMENTS; FINELY DISSEMINATED Fe <sub>2</sub> O <sub>3</sub> THROUGHOUT > QUARTZ VEIN @ 72 DTCA @ 27.1 (88'11") > CONTACTS @ 20 DTCA ARE UNLINKING	037	26.87 (88'2")	27.13 (89'0")	0.26	10	0.01	1.52	MYLONITE ? SIMILAR TO WACCA BUT FINER GRAINED

# DIAMOND DRILL RECORD

SUTTON HANSON BLOCK

PAGE # 1550

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ LOCATION \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_ DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_ LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES				ASSAYS		NOTES	
FROM	TO		#	FROM	TO	LENGTH	GR. PER CENT	Au g/t		Ag g/t
27.15 (89'0")	28.07 (92'1")	TRACHYTE - ALTERED; RED COLOURATION = PINK IN # 038; WEAKLY CARBONATED; FINE & COARSE DISSEMINATED FeS <sub>2</sub> IN # 041 - COARSE THROUGHOUT; GREY QUARTZ VEINING = FINE PHENOCRYSTS; SO <sub>2</sub> CHLORITE = 10% QUARTZ - ANKERITE IN # 037 - 15% IN # 041 > QUARTZ VEIN c. 5 DTCa THROUGHOUT WITH TRACE TOLUOLINE(?) VEINING c. 5 DTCa > LOCATED c. 65 DTCa > CONTACTS c. 65 DTCa @ 27.36 (89'9") & 27.53 (90'4") > QUARTZ - ANKERITE VEIN c. 100 DTCa - QUARTZ VEINS c. 50' S.D.T.C.A (0.01 - 0.03 WEE) > SHEAR PLANE / FRACTURE c. 50 DTCa @ 27.84 (91'4")	038	27.15 (89'0")	27.36 (89'9")	0.23	2	0.01	0.12	
			039	27.36 (89'9")	27.53 (90'4")	0.17	3.5	0.01	1.55	
			040	27.53 (90'4")	27.94 (91'8")	0.41	0.5	0.04	0.07	
			041	27.94 (91'8")	28.07 (92'1")	0.13	3	0.04	0.50	
28.07 (92'1")	28.30 (92'10")	SYENITE; RED; HIGHLY CARBONATED	048	28.07 (92'1")	28.30 (92'10")	0.23	1	-	0.57	
28.30 (92'10")	28.40 (92'10")	CHECTY SILICIFIED VEINING; 8% QUARTZ-ANKERITE VEINING = 15% TRACHYTE; WEAKLY CARBONATED > VEINING c. 5 DTCa	045	28.30 (92'10")	28.40 (92'10")	0.30	6	-	0.56	START OF 2ND ZONE > HIGHLY ALTERED
28.40 (92'10")	30.48 (100'0")	TRACHYTE - HIGHLY ALTERED; 50% PHENOCRYSTS; NON CARBONATED; COARSE DISSEMINATED FeS <sub>2</sub> ; HIGHLY SILICIFIED & SILICIFIED; PINK-GREEN COLOURATION; CHLORITIZED > 2% QUARTZ-ANKERITE VEINING = 40 DTCa IN # 044 = 5% S.D.T.C.A IN # 046 = QUARTZ-ANKERITE VEIN c. 50 DTCa @ 29.77 (97'8")	044	28.40 (92'10")	29.00 (95'3")	0.40	1	0.008	0.15	
			045	29.00 (95'3")	29.24 (98'2")	0.92	1	0.002	0.19	
			046	29.24 (98'2")	30.48 (100'0")	0.56	1	0.002	0.17	
30.48 (100'0")	31.70 (104'0")	SYENITE; RED; 10% TRACHYTIC LOCALLY; HIGHLY CARBONATED IN AICED VEINING	047	30.48 (100'0")	31.70 (104'0")	1.22	1	-	0.10	
31.70 (104'0")	32.00 (105'0")	TRACHYTE - HIGHLY ALTERED; SAME AS 28.6 - 30.48; FINE & COARSE DISSEMINATED FeS <sub>2</sub> ; MODERATELY CARBONATED; 5% QUARTZ-ANKERITE VEINING; DNR 8CM x 8CM SQUARE HEATIZED PHENOCRYST; SOME ANGULAR FRAGMENTS	048	31.70 (104'0")	32.00 (105'0")	0.30	2	0.005	0.44	
32.00 (105'0")	32.56 (106'10")	CHECTY SILICIFIED VEINING; QUARTZ VEIN c. 50 DTCa; ROUNDED CHECTY FRAGMENTS UP TO 1CM IN 2% QUARTZ-ANKERITE VEINING; GREY MATRIX (SO <sub>2</sub> ) IS FINE GRAINED APHANTIC; FINE & COARSE DISSEMINATED FeS <sub>2</sub> > SILICIFICATION c. 27 DTCa AS ARE CONTACTS	049	32.00 (105'0")	32.56 (106'10")	0.56	4	-	0.43	

END OF 2ND ZONE OF ALTERATION

## DIAMOND DRILL RECORD

SUTTON-HANSON BLOCK

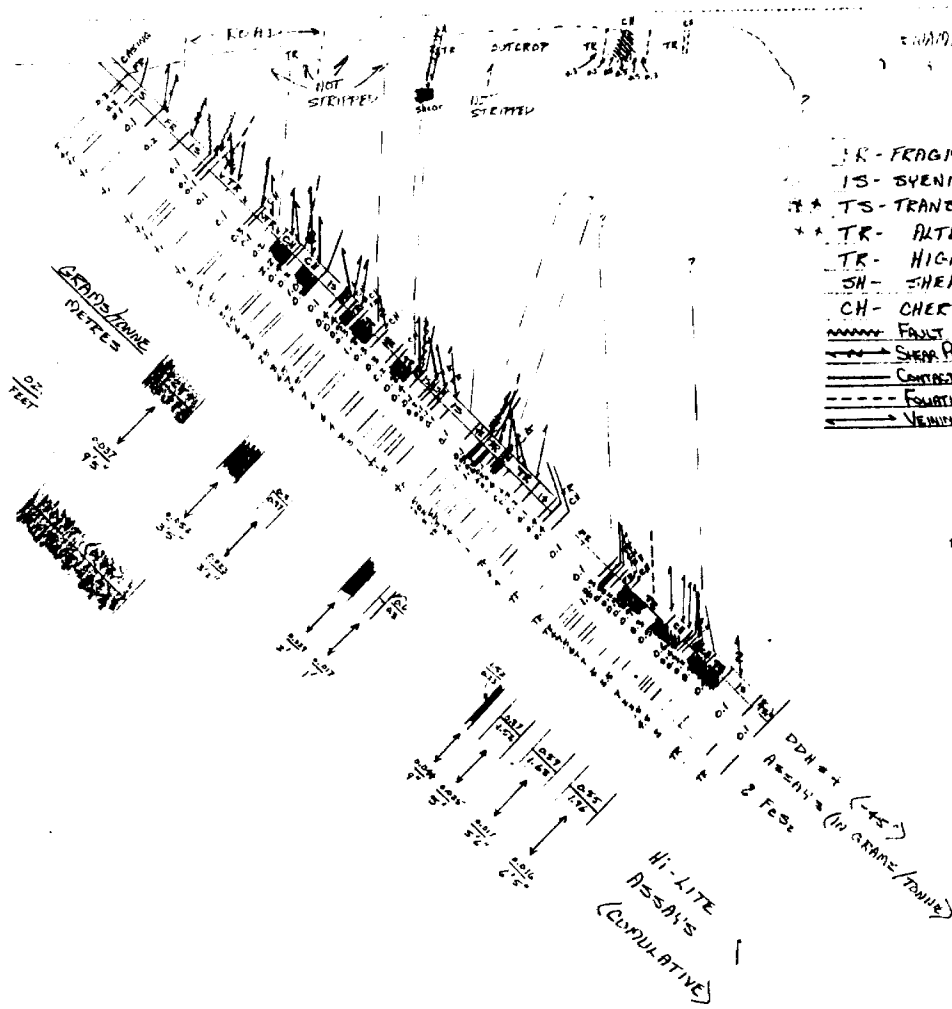
PAGE = 16/18

37-T

CORE SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ ACID TESTS: FOOTAGE \_\_\_\_\_ DIP \_\_\_\_\_ DATE STARTED \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ANGLE \_\_\_\_\_ CLAIM # \_\_\_\_\_ LOGGED BY \_\_\_\_\_

FOOTAGE - METRES		DESCRIPTION	SAMPLES				ASSAYS		NOTES	
FROM	TO		#	FROM	TO	LENGTH & FCS	Fe %	Al %		
32.56 (116'10")	35.87 (117'9")	FRAGMENTS OF CHLORITIZED VOLCANIC IN SPENITE; 20% GREY-BLACK FRAGMENTS 1-6 CM & ROUNDED IN VARIOUS STAGES OF ASSIMILATION; FRAGMENTS ARE HIGHLY CARBONATED - MATRIX IS RED & CHLORITIZED - WITH MUSCOVITE & BIOTITE; ONE FRAGMENT CONTAINS ANOTHER WITH INTERNAL FOSSILIZATION; 52% TRACHYTE LOCALLY	050	32.56 (116'10")	34.16 (117'1")	1.60	fr	-	0.10	
			051	34.16 (117'1")	35.87 (117'9")	1.73	fr	-	0.06	
35.87 (117'9")	36.17 (117'6")	TRACHYTE - HIGHLY ALTERED; SAME AS 28.6-30.48 BUT HIGHLY CARBONATED	052	35.87 (117'9")	36.17 (117'6")	0.30	fr	-	0.87	= START OF 50% MINOR ALTERATION ZONE
36.17 (117'6")	36.40 (117'5")	CHEFTY SILICIFIED VEINING; WITH 30% QUARTZ - ANKERITE THAT RECRYSTALLIZES & ALTERS CHEFT VEIN; HIGHLY CARBONATED; 20% TRACHYTE; GREY; FINE & COARSE FCS > CONTACT = 44 DTCA	053	36.17 (117'6")	36.40 (117'5")	0.23	fr	-	1.52	
36.40 (117'5")	36.7 (117'5")	SHEARED TRACHYTE - VERY FINE GRAINED TO AMPHIBOLIC; SAME AS 26.87-27.13; FINELY DISSEMINATED FeS <sub>2</sub> ; CHEFTY VEIN & DTCA @ 36.58 (120'0") HIGHLY CARBONATED > HEATIZED SHEAR PLANE / FRACTURE @ 156 DTCA @ 36.68 (120'4")	054	36.40 (117'5")	36.7 (117'5")	0.30	7	-	0.58	
36.7 (120'5")	37.19 (122'0")	FRAGMENTS OF CHLORITIZED VOLCANIC IN SPENITE; SAME AS 32.56-35.87	055	36.7 (120'5")	37.19 (122'0")	0.49	1.5	-	0.17	
37.19 (122'0")	37.46 (122'11")	CHEFTY SILICIFIED VEINING; RECRYSTALLIZED GREY & ZART GREY FRAGMENTS; HIGHLY CARBONATED; > SILICIFICATION & PYRITE VEINING @ CONTACT @ 30 DTCA	056	37.19 (122'0")	37.46 (122'11")	0.27	6	-	0.71	
37.46 (122'11")	37.78 (121'2")	TRACHYTE - HIGHLY ALTERED; GREY WITH 20% CHEFTY VEINING & FINELY DISSEMINATED VEINING; 50% CHLORITE; SILICIFIED; HIGHLY CARBONATED; 50% PYRITE VEINING; SILICIFICATION & CHEFTY VEINING AT VARIOUS ANGLES; PALE TO EMERALD GREEN, POSSIBLY MUSCOVITE @ 37.7 (120'9") TO 37.95 (121'0") -- 2 FOLIATED @ 45 DTCA	057	37.46 (122'11")	37.78 (121'2")	0.33	7	0.01-0.02	0.84	
			058	37.78 (121'2")	37.95 (121'0")	0.17	7	"	0.86	
			059	37.95 (121'0")	38.11 (120'8")	0.16	5	"	0.51	
			060	38.11 (120'8")	38.95 (121'2")	0.84	3.5	"	0.49	
38.95 (121'2")	41.2 (125'2")	CHEFTY SILICIFIED VEINING; 10% CHEFTY VEINING IN GREY MATRIX (FINE GRAINED); 10% PINK TRACHYTE; FINELY DISSEMINATED FeS <sub>2</sub> ; HIGHLY CARBONATED > SILICIFIED @ 48 DTCA	061	38.95 (121'2")	41.2 (125'2")	2.25	7	-	0.63	





- FR - FRAGMENTS OF CHLORITIZED VOLCANICS IN SYENITE
  - IS - SYENITE
  - TS - TRANSITIONAL ZONE SYENITE TO TRACHYTE
  - TR - ALTERED TRACHYTE
  - TK - HIGHLY ALTERED TRACHYTE - SILICIFIED, SERICITIZED, FeS<sub>2</sub>
  - SH - SHEARED TRACHYTE - VERY FINE GRAINED, ABUNDANT FeS<sub>2</sub>
  - CH - CHERY SILICIFIED VEINING
- ~~~~~ FAULT  
 - - - - SHEAR PLANE  
 - - - - CONTACT  
 - - - - FOLIATION  
 - - - - VEINING

■ 0.5-0.99 g/tonne  
 ■ > 1.0 g/tonne

1:250

MICHAEL EDITION  
21/12/89



Ministry of Northern Development and Mines



Mining Act

Report of Work (Expenditures, Subsection 77(19))

W9008.012

2.130



42A025E0004 2.13035 HOLMES

900

Type of Work Performed <b>ASSAYING</b>	Mining Division <b>LAKE LAKE</b>	Township or Area <b>HOLMES</b>
Recorded Holder <b>TIMOTHY ALFRED HANSON</b>		Prospector's License No. <b>K 21859</b>
Address <b>30 MAIN ST. KIRKLAND LAKE, ONT. P2N 3E1</b>		Telephone No. <b>705-568-8407</b>
Work Performed By <b>SWASTIKA LABS; AMERICAN BARRICK RESOURCES; ON MY BEHALF &amp; THAT OF MY PARTNER, M. SUTTON (K21859)</b>		
Name and Address of Author (of Submission) <b>AS ABOVE.</b>		Date When Work was Performed From: <b>28, 08, 89</b> To: <b>21, 12, 89</b>

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side				Mining Claim <b>1048455</b>	No. of Days <b>60.0</b>	Mining Claim <b>1048456</b>	No. of Days <b>40.0</b>	Mining Claim <b>1047198</b>	No. of Days <b>14.85</b>	Mining Claim	No. of Days	
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	
Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).				Calculation of Expenditure Days Credits Total Expenditures <b>\$ 1722.75</b>				Total Days Credits <b>+ 15 = 114.85</b>		Total Number of Mining Claims Covered by this Report of Work <b>3</b>		

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	1047208	30.7									
L	1047209	36.15									
L	1047198	48.0									

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MAR 29 1990

MINING LANDS SECTION

Total Number of Days Performed <b>114.85</b>	Total Number of Days Claimed <b>114.85</b>	Total Number of Days to be Claimed at a Future Date <b>0</b>
---	---	---

Certification of Beneficial Interest \*See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: **JAN 13/90**

Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Address of Person Certifying:  
**TIM HANSON; 30 MAIN ST.; KIRKLAND LAKE, ONT P2N 3E1**

Telephone No.: **705-568-8407**

Date: **JAN 13/90**

Certified By (Signature): *[Signature]*

For Office Use Only

Total Days Cr. Recorded <b>114.85</b>	Date Recorded <b>JAN 17/90</b>	Mining Recorder <i>[Signature]</i>
Date Approved as Recorded <b>See revised work statement</b>	Provincial Manager, Mining Lands <i>[Signature]</i>	

RECEIVED  
JAN 17 1990  
4:20 pm





Ontario

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

April 6, 1990

Mining Recorder  
Ministry of Northern Development and Mines  
4 Government Road East  
Kirkland Lake, Ontario  
P2N 1A2

Dear Sir:

Re: Data for Expenditures submitted under Section 77(19) of the Mining  
Act R.S.O. 1980 on Mining Claims L 1047208 et al in Township of  
Holmes.

The enclosed statement of assessment work credits for Expenditures has been  
approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on  
your records.

Yours sincerely,

W. R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

JS:pt  
Enclosure

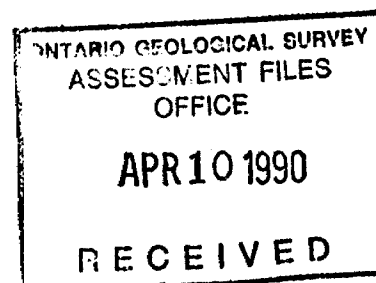
cc: Resident Geologist  
Kirkland Lake, Ontario

Timothy Alfred Hanson  
Kirkland Lake, Ontario

Mining Lands Section  
3rd Floor, 880 Bay St.  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-4888

Your file: W9008.12  
Our file: 2.13035





File  
2.13035

Date  
April 5/1990

Mining Recorder's Report of  
Work No.  
W9008.012

Recorded Holder  
**Timothy Alfred Hanson**

Township or Area  
**Township of Holmes**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days  Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days  <input type="checkbox"/> Man days <input type="checkbox"/> Airborne <input type="checkbox"/> <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/>  <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$ 1722.75 SPENT ON ANALYSES OF SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>L 1048455-56</p> <p>114.85 ASSESSMENT WORK DAYS ARE ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 79(19) OF THE MINING ACT.</p>

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       insufficient technical data filed

L 1047198

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Dunmore Twp.

THE TOWNSHIP OF

HOLMES

DISTRICT OF  
TIMISKAMING

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	(C.S.)
LEASES	(L)
LOCATED LAND	(Loc.)
LICENSE OF OCCUPATION	(L.O.)
MINING RIGHTS ONLY	(M.R.)
SURFACE RIGHTS ONLY	(S.R.O.)
ROADS	(Road symbol)
IMPROVED ROADS	(Improved Road symbol)
KING'S HIGHWAYS	(King's Highway symbol)
RAILWAYS	(Railway symbol)
POWER LINES	(Power Line symbol)
MARSH OR MUSKEG	(Marsh symbol)
MINES	(Mines symbol)
CANCELLED	(X)

NOTES

400' Surface rights reservation around mines

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
SEC. 36/80	w. 24/82	29/11/82	S.G.M.R.	188528

DATE OF ISSUE  
SEP 20 1989  
LARDER LAKE  
MINING RECORDER'S OFFICE

PLAN NO. M 224

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

VI

V

IV

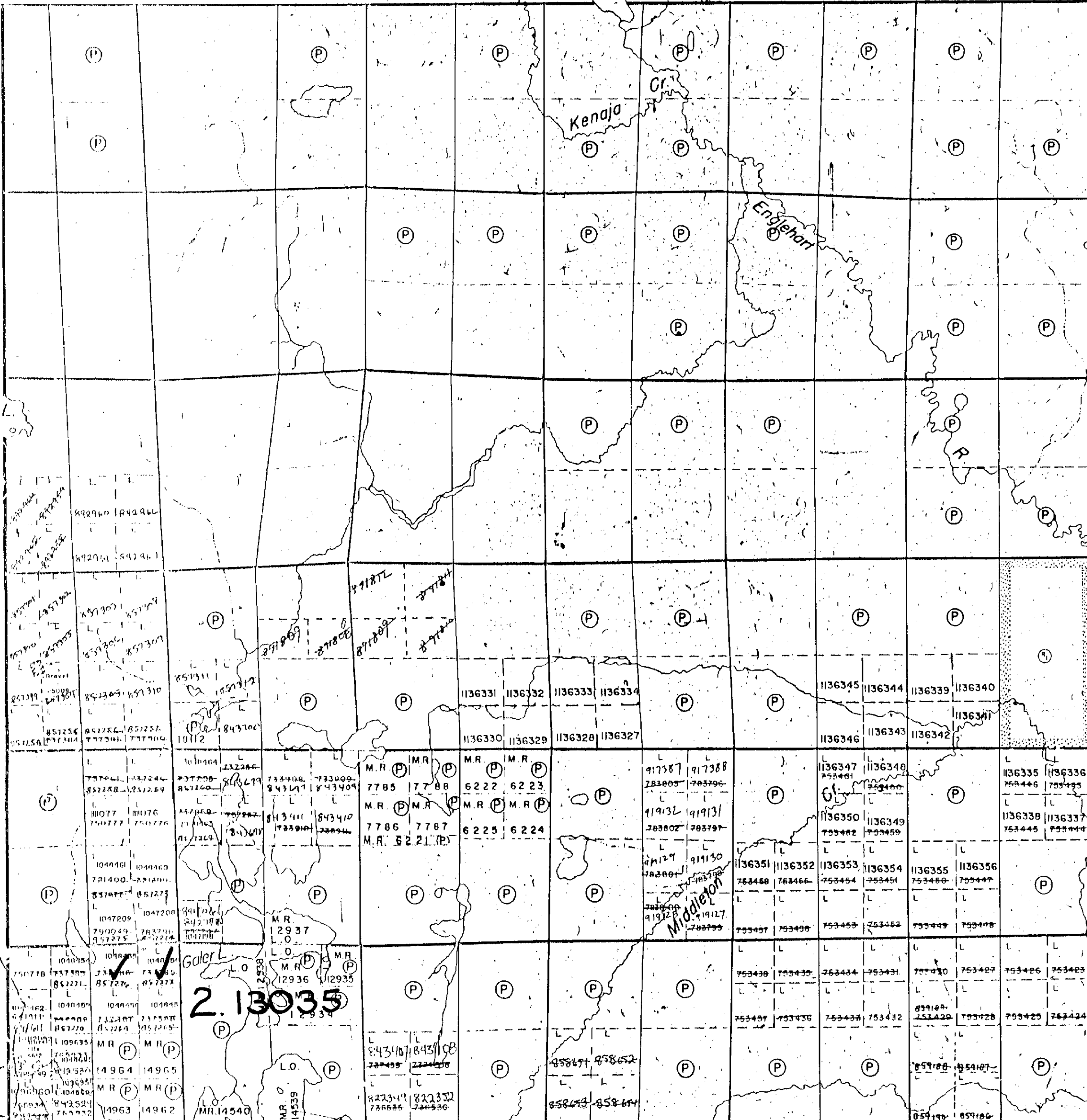
III

II

I

Burt Twp.

Alma Twp.



Flavelle Twp.



42A02SE0004 2.13035 HOLMES

200