

DIAMOND DRILLING REPORT
KENA #7 MINERAL CLAIM
NELSON MINING DIVISION

OWNER : KERR ADDISON MINES LIMITED

OPERATOR : KERR ADDISON MINES LIMITED

CONSULTANT : HAROLD JONES (G.A. NOEL & ASSOCIATES)

LOCATION : 82F-6W 49° 25' N. 117°15' W.

9476

PREPARED BY: WILLIAM M. SIROLA

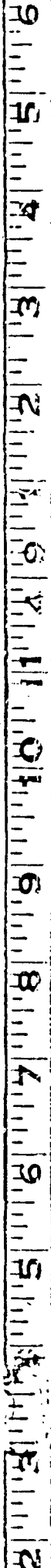
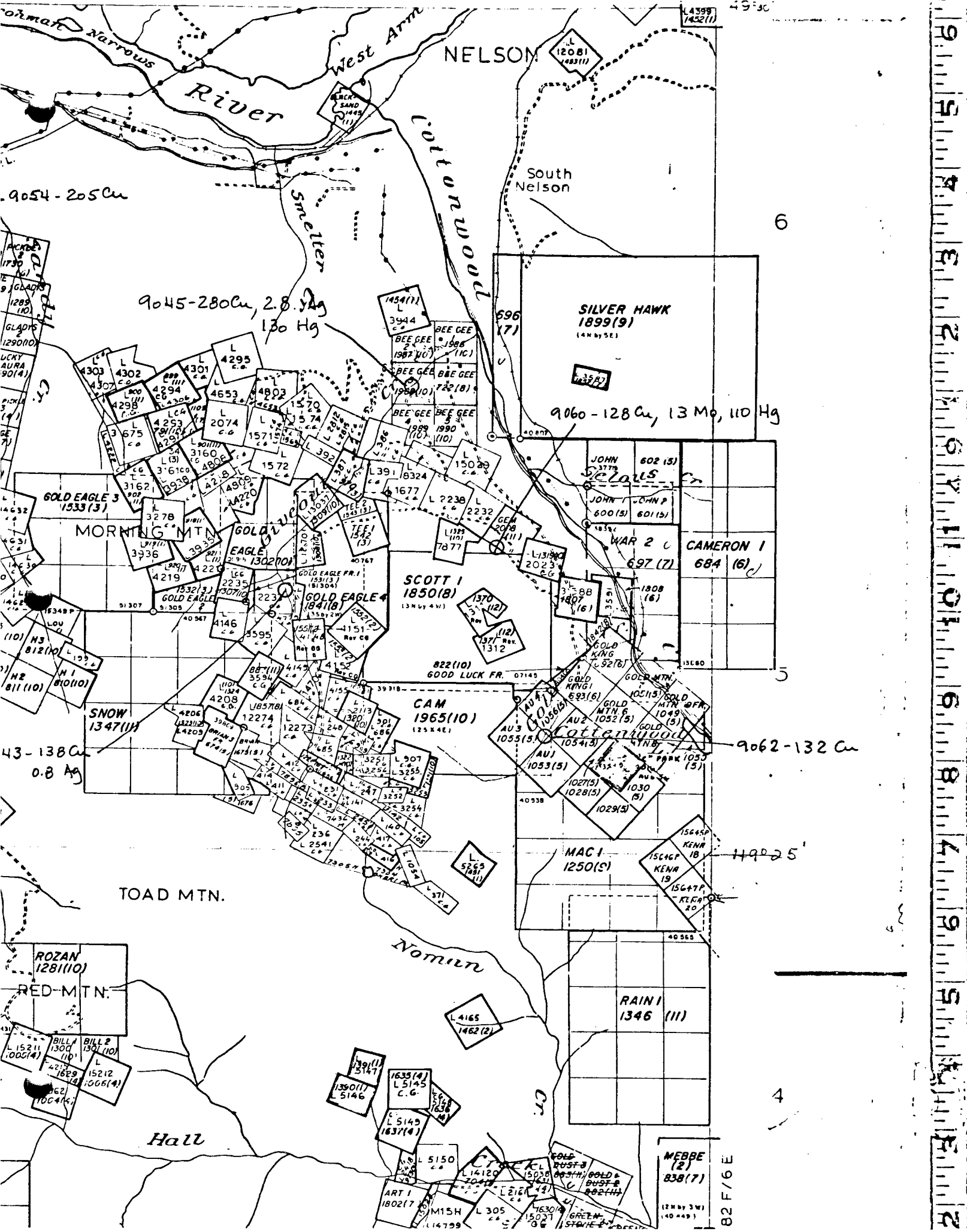
SEPTEMBER 17, 1981.

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APPENDICES (IN POCKET)

	<u>FIG. NO</u>
1. Claim map showing location of diamond drill holes, Scale 1:5,000	1
2. Diamond drill logs.	



82 F/6 E

INTRODUCTION

The Kena #7 claim is located on the east flank of Toad Mountain 7 kms. southwest of Nelson, B.C. at an elevation of 1,440 m.

Access to the claims is south via highway no. 6 and then westerly over a rough 4-wheel drive logging road.

In G.S.C. Annual Report 1888-89, Volume IV by G.M. Dawson, the Cottonwood Mine located on the site of Kena #7 is mentioned briefly.

The claim was acquired by Otakar Janout in 1974 and had optioned to Ducanex who conducted geological and geochemical surveys and drilled 4 percussion holes totalling 500 m.

In 1976 Quintana optioned the Kena #7 and adjacent claims and carried out geological, geochemical and induced polarization surveys.

In 1981, the property was optioned to Kerr Addison Mines Limited.

SUMMARY OF WORK DONE

Two AQ sized holes totalling 522 m. were drilled on the Kena #7 and one on the Gold Mountain #3 M.C. which adjoins Kena #7 on the west.

The holes were drilled to investigate high gold values (200-3,000 ppb) in rusty residual soils overlying schistose andesites, chlorite and sericite schists of the Elise and/or Beaver Mountain formations (Jurassic-Triassic).

The highest gold intercepts encountered in the three drill holes were as follows:

<u>Hole no.</u>	<u>From</u>	<u>To</u>	<u>Width</u>	<u>Au - ozs.</u>
KK 81-1	34.0	38.5	4.5 m.	.050
KK 81-2	97.0	115.0	18.0 m.	.059
KK 81-3	52.5	57.0	4.5 m.	.037

STATEMENT OF EXPENSES

The diamond drilling was contracted to Bergeron Drilling Limited, P.O. Box 461, Greenwood, B.C. at a base price of \$24 per foot.

The cost of individual hole was as follows:

Drill hole no. 1,	598 ft.	@ \$24 per foot	=	\$14,352.00
Drill hole no. 2,	548 ft.	@ \$24 per foot	=	\$15,152.00
Drill hole no. 3,	588 ft.	@ \$24 per foot	=	\$14,112.00

The contractor's invoices for these holes are enclosed.

Bergeron Drilling Ltd.

FROM BOX 461, GREENWOOD, B.C.
PHONE 445-6483

DEPARTMENT

DIAMOND DRILLING

DATE

AUGUST 16-21, 1981

SUBJECT

INVOICE

(SURFACE) NELSON AREA

KERR ADDISON MINES LTD
1112 W PENDER STREET STE# 703
VANCOUVER BC V6E 2S1 ATTN: MR. SIROLA

MESSAGE

HOLE NO 5 CONTINUED FROM PREVIOUS INVOICE.

BQ DRILLING, 388-838-450' @ 24⁰⁰ PER FT. \$ 10800.00

HOLE NO 6

BW CASING 0-24' @ 24⁰⁰ PER FT. \$ 576.00

BQ DRILLING 24-498-474' @ 24⁰⁰ PER FT. \$ 11376.00

ACID TESTS HOLE NO 546

2 TESTS @ 50⁰⁰ PER TEST \$ 100.00

CORE BOXES 173 TOTAL USED @ 4⁷⁵ PER BOX \$ 821.75

CONTRACT COMPLETE TOTAL AMOUNT DUE \$ 23,673.75

RECEIVED *Shankyan*

AUG 25 1981

KERR ADDISON MINES LTD.

president: *Carl Shankyan*

APPROVED FOR PAYMENT

BC 19-1-13¹

CHARGED A/C

PER _____

REPLY FROM

DATE August 25/81

Mailed to Toronto for payment

Sept. 1/81

FROM DIAMOND DRILLING LTD.
 BOX 401, GREENWOOD, B.C.
 TEL. 251-2222

DEPARTMENT

DIAMOND DRILLING

DATE

AUGUST 4-15 1981

SUBJECT

INVOICE (PAGE 1)

(SURFACE) NELSON AREA

KERR ADDISON MINES LTD.

1112 W. PENDER STREET STE #703

VANCOUVER, BC V6E 2S1 ATTN MR SIROLA

MESSAGE

HOLE NO. 1

BW CASING 0-20' @ 24⁰⁰ PER FT \$ 480.00BQ DRILLING 20-598-578 FT @ 24⁰⁰ PER FT \$ 13872.00

HOLE NO 2

BW CASING 0-8' @ 24⁰⁰ PER FT \$ 192.00BQ DRILLING 8-548-540 FT @ 24⁰⁰ PER FT \$ 12960.00

HOLE NO 3

BW CASING 0-17' @ 24⁰⁰ PER FT \$ 408.00BQ DRILLING 17-588-571 FT @ 24⁰⁰ PER FT \$ 13704.00

HOLE NO 4

BW CASING 0-10 @ 24⁰⁰ PER FT \$ 240.00BQ DRILLING 10-748-738 FT @ 24⁰⁰ \$ 17712.00

HOLE NO 5

BW CASING 0-40' @ 24⁰⁰ PER FT \$ 960.00BQ DRILLING 40-388-348 FT @ 24⁰⁰ PER FT. \$ 8352.00

HOLE NO 5 TO BE CONTINUED NEXT INVOICE

SUB TOTAL \$ 68880.00

USE LOWER PORTION FOR REPLY

REPLY FROM

DATE

AUG 18 1981

FROM KERR ADDISON MINES LTD. PHONE 445-6483

DEPARTMENT KERR ADDISON MINES LTD.

DIAMOND DRILLING

KERR ADDISON MINES LTD

DATE

AUGUST 4-15 1981

SUBJECT

INVOICE (PAGE 2)
(SURFACE) NELSON AREA

ATTN MR SIROLA

MESSAGE
FORWARD

\$ 68880.00

ADDITIVES

1 BARREL SOLUBLE OIL COST + 10% \$ 240.20

ACID TESTS HOLE NO 1, 2, 3 & 4
4 TESTS @ 50.00 PER TEST \$ 200.00

ONE MAN WORKING ROAD CREW
Ed Larson 8 HRS 14.00 PER HR \$ 112.00

TOTAL AMOUNT DUE THIS INVOICE \$ 69432.20

Please send amount due Bank to Bank
our bank Canadian Imperial Bank of Commerce
Greenwood Branch
account number 15-00112

APPROVED FOR PAYMENT
[Signature]
MANAGER

CHARGED BC A/C F13

Thank you
President *[Signature]*

DATE August 16, 1981

USE LOWER PORTION FOR REPLY

STATEMENT OF QUALIFICATIONS

I, William M. Sirola do hereby certify that:

1. I am a practising geological engineer residing at #1505 - 195 21st Street, West Vancouver, B.C. and with offices at #703 - 1112 West Pender Street, Vancouver, B.C.
2. I have a B.Sc. degree from Michigan, College of Mining and Technology (1948).
3. I have been a member in good standing of the Association of Professional Engineers since 1956.
4. Since 1948 I have practised my profession in Canada, United States, Africa and South America.

A handwritten signature in cursive script, reading "W. M. Sirola", written over a horizontal line.

DIAMOND DRILL RECORD

LOGGED BY J. M. V. JES

PROPERTY KEVA 7 (2100) metric

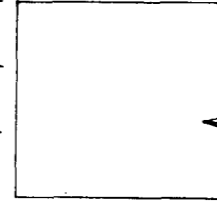
LATITUDE 0+78 N (0+23.7N) BEARING OF HOLE N 40 E STARTED August 4, 1981

DEPARTURE 0+25 W (0+7.7W) DIP OF HOLE 60° COMPLETED August 7, 1981

ELEVATION 4770 ft (1453m) DIP TESTS At 180m - 60° DEPTH 182.3 metres

D.D.H. No. KK 81-1 PAGE 1 of 4

CLAIM No. KEVA 7
 DIRECTION AND DISTANCE FROM CLAIM POST



FOOTAGE		Recy	DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY	
FROM	TO				FROM	TO		Ag	Sig
0	5.0	0	Casein - no core <u>Chlorite Schist</u>	3481	2.0	5.5	0.5		
5.0	12.5	6.3 18.8	Light grey chlorite - sericite schist, sericite coarse and fine at 8.0 - 11.5. Chlorite	82	5.5	7.0	1.5	.002	
12.5	31.3	100%	sericite schist, sericite section weak to no sericite. Sericite weakly developed	83	7.0	8.5	1.5		
			@ 60° Sect very broken, micrite on face to 8.0, vuggy section throughout	84	8.5	10.0	1.5	.010	
			sericite schist, very foliated & discont. From 18.0 - 19.2 less chlorite,	85	10.0	11.5	1.5		
			more sericite, py rims @ 60° locally 5% py. From 20.2 - 20.7 - vuggy with qtz	86	11.5	13.0	1.5	.006	
			Chlorite. From 21.5 - 23.0 - marked increase in py, est ± 5%, section slightly	87	13.0	14.5	1.5		
			lighter, weakly schistose. At 24.0 - 30mm qtz vein @ 40°. At 26.25 - 26.5	88	14.5	16.0	1.5	.001	
			py rims @ 55° with qtz-carbonate veinlets 1-2mm	89	16.0	17.5	1.5		
			At 28.4 - micrite fault zone bls and @ 45°. At 29.15 - 20mm qtz-carbonate	3490	17.5	19.0	1.5	0.071	
			vuggy vein @ 45-60°. From 31.3 - 32.6 - less schist, weak silification, also 34.4 - 36.0	91	19.0	20.5	1.5		
			28.6 - 39.1, 41.2 - 41.42. Massive sulfides 41.2 - 41.3 @ 90° and 41.3 - 41.42	92	20.5	22.0	1.5	.002	
			@ 45° of replacement in quartz - massive brown & black - phalotite with 5mm	93	22.0	23.5	1.5		
			hard galena and several coarse blobs spy. At 42.7 & 42.8 - 2-1cm	94	23.5	25.0	1.5	.002	
			qtz vein @ 25°. Section calcareous	95	25.0	26.5	1.5		
41.3	67.3	36.0 10.8%	<u>Andesite</u> - light grey, less chl and carb than above, non schistose, py ± 2%	96	26.5	28.0	1.5	.001	
			47.3 - 47.5 - silicified with fine py veinlets @ 45°. Carbonate in crevices at 41.0	97	28.0	29.5	1.5		

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Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
		18.0-18.2- main dis cpy	1.5	3498	29.5	31.0	1.5				.002			
		18.6-18.9- qtz vein with scattered coarse blebs py, cpy, sph and fine gal. Contacts irregular	"	99	31.0	32.5	1.5							
		18.0-67.3- altered andrite ^{with weak sericite alt'n,} similar to that prior to vein, calcareous, very fine scattered grains of cpy in	"	3500	32.5	34.0	1.5				.002			
		fine qtz-calcite veinlets, short local sections with silicification at 58.8-59.4 and other very short sections	"	02	35.5	37.0	"				0.031			
		Siliceous section with sparse sericite in lvs. Abundant py	"	03	37.0	38.5	"							
		Abundant py	"	04	38.5	40.0	"				.002			
		andrite @ 45-50° at 57.9, 58.8-59.1, 60.4, 62.1-62.3, and	1.2	05	40.0	41.2	1.2							
		63.5. At 63.85- two 3mm qtz-carb veinlets opposing each other at 30°, walls with coarse chlorite on walls and blebs py. From 64.6-65.3- fine gr band chl-ser alt'n @ 65°, sparse py. From 65.9-66.15- irregular calcite veinlets, coarse qtz-carb banding @ 65° at 66.0-66.15 Feldspathic, sericitic 66.95-67.15 with fine py. At 67.3 3mm py veinlet @ 30°	0.22	06	41.2	41.42	0.22				.000			
			1.5B	07	41.42	43.0	1.5B							
			1.5	08	43.0	44.5	1.5				.002			
			"	09	44.5	46.0	"							
			"	36.0	46.0	47.5	"				.011			
			"	11	47.5	48.6	1.1							
			"	12	48.6	49.0	0.4				.016			
			"	13	49.0	50.5	1.5							
11.3	84.3	Chlorite schist - schistose texture weak - chl alt'd	"	14	50.5	52.0	"				.002			
Recy	100%	andrite or tuff (?), Appree. increase in chl content, pyrite less, est < 1%. Chlorite banding @ 60°-65° at	"	15	52.0	53.5	"							
		75.4-76.6, entire section calcareous.	"	16	53.5	55.0	"				.001			
			"	17	55.0	56.5	"							
		76.6-84.3 - grey, f. gr, feldspathic with chl-sericite alt'n	"	18	56.5	58.0	"				.0042			
		Foliation developed by elongate, smeared chloritized matrices	"	19	58.0	59.5	"							

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
		80.1 - 80.3 - brecciated, qtz flooding, abundant diss	100%	3620	59.5	61.0	1.5				.008			
		py, est 5%, weak epidote alt'. At 80.4 - 80.5	"	21	61.0	62.5	1.5							
		siliceous band with coarse spy, fine sph and gal	"	22	62.5	63.0	0.5				.002			
84.3	128.5	Chlorite schist - texture obvious on split core but	"	3401	63.0	64.5	1.5							
		note distinct on whole core. Darker, chl alt' is stronger	"	02	64.5	66.0	"				.001			
		than above, with local banding @ 60°-70° - hint	"	03	66.0	67.5	"							
		of bedding texture, weak saussuritization of felds,	"	04	67.5	69.0	"				.002			
		fine irregular calcite stringers at various angles, fine	"	05	69.0	70.5	"							
		diss py, est 10%, with occasional coarse bleb and fine	"	06	70.5	72.0	"				.003			
		veinlets py. Section calcareous.	"	07	72.0	73.5	"							
		At 81.1 - 5cm qtz-carb band at 60° - looks granitic.	"	08	73.5	75.0	"				.002			
		90.8 - 91.0 - siliceous alt' with minor spy	"	09	75.0	76.5	"							
		Schistose texture on split core fades out at 87m, more	"	3410	76.5	78.0	"				.001			
		chlorite and calcite bands.	"	11	78.0	79.5	"							
		Light grey siliceous bands at 99.1 - 99.3, 99.6 - 99.8,	"	12	79.5	81.0	"				.001			
		100.4 - 100.5, 103.25 - 103.50 - all with fine py bands	"	13	81.0	82.5	"							
		at 55°-60°. All bands calcareous	"	14	82.5	84.0	"				.009			
		105.4 - 106.5 - fine veinlets py @ 50°	"	15	84.0	85.5	"							
		105 - weakly schistose again, continues to end.	"	16	85.5	87.0	"				.001			
		114.3 - spl slip @ 40°, cuts 10mm qtz-calcite vein	"	17	87.0	88.5	"							
		@ 10° with slight offset	"	18	88.5	90.0	"				.001			
		118 - 128.5 - increase in chl alt', weak saussuritization	"	19	90.0	91.5	"							

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb
		126.5-127.0 Strong chlorite banding @ 60°, 127.1-128.5	100%	3420	91.5	93.0	1.5				.001		
		Foliation marked by smeared chld matrix, calcareous	"	21	93.0	94.5	"						
128.5	134.5	Sericitic-chlorite schist - much less chld banding with enigmatic tuff sections	"	22	94.5	96.0	"				.011		
		@ 55°. From 133.9-134.2 - 20cm by zone @ 5°-10° calcareous	"	23	96.0	97.5	"						
		Fragments sericitic material in dark chlorite matrix	"	24	97.5	99.0	"				.001		
134.5	145.7	Chlorite schist - similar to 118-128, local sections banded at 60°, weak sauss., pyrite < 1%, calcareous	"	25	99.0	100.5	"						
			"	26	100.5	102.0	"				.002		
145.7	148.5	Chlorite - Sericite schist - weak ser schist, thin, scattered narrow irregular qtz veinlets, fine grained,	"	27	102.0	103.5	"				.001		
			"	28	103.5	105.0	"						
148.5	151.6	Andesite - dark gray, moderate chlorite alt'n. Fine det py, calcareous	"	29	105.0	106.5	"						
			"	3430	106.5	108.0	"				.002		
151.6	182.3	Chlorite schist - fine grained to 162.0 - tuffaceous, banded @ 80° at 153.7; 70° at 159; 60° at 161 Py 151.4-160 - fine, at 2%, remainder low to absent Very calcareous to 161. From 162-164.7 - more massive, chld andesite with very weak sericiticity, weak sauss. 164.7-165.3 - fine to mgx bands calc to 16 @ 65° - tuffaceous(?); 165.3-167.7 - sericitic, <u>mass</u> calcareous, minor fine py. 167.7-182.3 - Chlorite schist @ 70°-75°, < 1% det py Fault gouge at 174.1 - <u>massive</u> @ 25°. Section calcareous	"	31	108.0	109.5	"						
			"	32	109.5	111.0	"				.002		
			"	33	111.0	112.5	"						
			"	34	112.5	114.0	"				.003		
			"	35	114.0	115.5	"						
			"	36	115.5	117.0	"				.015		
			"	37	117.0	118.5	"						
			"	38	118.5	120.0	"				.001		
			"	39	120.0	121.5	"						
			"	3440	121.5	123.0	"				.001		
			"	41	123.0	124.5	"						

Hole KK 81-1

Loc'y	Sample No	From	To	Sample length	Area
100%	3442	124.5	126.0	1.5	.001
	43	126.0	127.5		
	44	127.5	129.0		.002
	45	129.0	130.5		
	46	130.5	132.0		.009
	47	132.0	133.5		
	48	133.5	135.0		.003
	49	135.0	136.5		
	3450	136.5	138.0		.002
	51	138.0	139.5		
	52	139.5	141.0		.001
	53	141.0	142.5		
	54	142.5	144.0		.001
	55	144.0	145.5		
	56	145.5	147.0		.001
	57	147.0	148.5		
	58	148.5	150.0		.001
	59	150.0	151.5		
34	60	151.5	153.0		.001
	61	153.0	154.5		
	62	154.5	156.0		.001
	63	156.0	157.5		
	64	157.5	159.0		.002
	65	159.0	160.5		
	66	160.5	162.0		.003
	67	162.0	163.5		
	68	163.5	165.0		.001
	69	165.0	166.5		
1	70	166.5	168.0		.002

DIAMOND DRILL RECORD

LOGGED BY H. M. Jones

PROPERTY RENA

matrix

D.D.H. No. KK 81-2 PAGE 1 of 6

LATITUDE 0+12.5N (0+3.8N) BEARING OF HOLE N40E STARTED August 7, 1981

DEPARTURE 4E (1+22E) DIP OF HOLE -60° COMPLETED August 11, 1981

ELEVATION 4075m (13366ft) DIP TESTS -60° at 167m DEPTH 167 metres



CLAIM No. 451-111

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		Rec'y	DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY		
FROM	TO				FROM	TO		AV	Ag	
0	2.0	0	Casing - no core	3623	0	2.5	0.5			
2.0	5.5	2.8	schistose chloritized andesite (continues from core but not split core but not)	24	2.5	4.0	1.5			9476
5.5	13.2	100%	(2.8m to whole core) Strongly fr'd to 10.1 with local vuggy sections	25	4.0	5.5	"	.006		
			fine grained with abundant chloritized and epidotized small (1mm) phenos	26	5.5	7.0	"			
			or clasts, maybe tuffaceous(?) calcareous throughout. At 3.5 - 3mm py visible	27	7.0	8.5	"			
			abundant det py, few grains cpy. Entire section with 1% diss py unless noted	28	8.5	10.0	"			
			otherwise	29	10.0	11.5	"	.006		
			Banding more obvious 12.0-13.0 @ 65	3630	11.5	13.0	"			
13.2	25.1	100%	schistose Andesitic tuff(?) - fine chloritic matrix with numerous fine laths & rounded	31	13.0	14.5	"			
			xls chl'd bubble, also few coarse chl'd dark fragments (concretion)	32	14.5	16.0	"			
			very minor fine det py, weakly calcareous, weak epid with of folds, numerous	33	16.0	17.5	"	.006		
			det det calcite fiss (or in? - along bedding?), scattered vuggy for with limonite	34	17.5	19.0	"			
			chloritized. At 23.8 - 3mm vuggy glaucous base with coarse py, weak schistosity	35	19.0	20.5	"			
25.1	29.8	100%	Light grey sericitic schist - looks coarse grained to fragmentation	36	20.5	22.0	"			
			surface, break as schist, very altered dacitic tint or argillaceous, with	37	22.0	23.5	"	.006		
			increased on schistosity, numerous vuggy base @ 65-70° with heavy limonite	38	23.5	25.0	"			
			and some py. less py content base & 1%. weak calcite & schistosity	39	25.0	26.5	"			

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
27.3	29.8	Broken, vuggy, laminar, silicified zone - little pyrite remaining contacts @ 80°		3640	26.5	28.0	1.5							
				41	28.0	29.3	1.3				.008			
29.8	57.0	Schistose, strongly chloritized andesite - schistosity variable from west to easting 60-85° with light grey fine bands with coarse calcite. Very locally pyritized, especially from 37.9 with sections 2-5% py, several very short siliceous sections, very weak epidote etc. Scattered fine carb frs. 37.9-42.1 - schistosity weak to absent, py content much less - 1%, silicified 37.9-38.3. At 38.2 - fine grained py 40.1-41.8 - matrix grey, low chlorite, with calcite rounded common leucite field phases, py content low (2.5% py) zones with chlorite contacts, upper 10', lower 10' 41.8-45.0 similar to 29.8-42.9 - chlorite schistosity, matrix to matrix @ 80° scattering narrow siliceous bands with py @ 60° 45-45.2 - diorite, silicified upper contact with, grade into silicified zone 45.2-45.4 45.2-49.1 - finer grained, chloritic, weakly schistose with coarse stampede chloritized lenses up to 10cm x 30cm Primarily vesic unit, calcareous, very weak epidote etc, py 1% 49.1-53.2 coarse grained, siliceous 29.8-37.9, chloritic, weak banding + schistosity 45°-55°, scattered very narrow		42	29.3	29.8	0.5							
				43	29.8	31.0	1.2				.007			
				44	31.0	32.5	1.5							
				45	32.5	34.0	"							
				46	34.0	35.5	"							
				47	35.5	37.0	"				.008			
				48	37.0	38.5	"							
				49	38.5	40.0	"							
				3650	40.0	41.5	"							
				51	41.5	43.0	"			.10	.010	.012		
				52	43.0	44.5	"							
				53	44.5	46.0	"			.10	.010	.011		
				54	46.0	47.5	"							
				55	47.5	49.0	"			.07	.007	.016		
				56	49.0	50.5	"							
				57	50.5	52.0	"			.08	.01	.011		
				58	52.0	53.5	"			.13	.038			
				59	53.5	55.0	"			.08	.038	.032		
				3660	55.0	56.5	"			.03	.003			
				61	56.5	57.8	1.3			.04	.01	.011		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					
From	To				From	To		Pb	Zn	Ag	Au	Cu	
		silicified band @ 45-55° with abundant py, remainder with 1-2% sil	100%	3662	57.8	58.8	1.0		.18	.031	.073		
		py. At 50.5 - cpy in Fe @ 45°, some banding @ 50°	"	63	58.8	59.6	2.8		.12	.028	.057		
		58.2-58.6 - silicified, abundant coarse py, chlorite banding	"	64	59.6	60.0	1.4		.02	.011	.022		
		coarse blocky at 58.2 @ 40° py in silicified zone 50-55°, Fe @ 20°. 2% sil	"	65	60.0	62.5	1.5		.03	.007	.011		
		banding @ 35° with py.	"	66	62.5	64.0	"						
57.8	58.8	Quartz vein - contacts oxid with coarse chlorite, contacts	"	67	64.0	65.5	"		.03	.010			
Rec, 100%		approx 10-15% partially follows hole at 0°, several coarse blocks py	"	68	65.5	67.0	"						
		and cpy.	"	69	67.0	68.5	"		.08	.008	.014		
58.8	59.6	Alter'd andesite with patchy silicif, abundant py and 12 cm	"	3670	68.5	70.0	"		.11	.021			
		qtz = chl vein at end of section, with several coarse blocks cpy.	"	71	70.0	71.5	"		.09	.024	.019		
		vein similar to 57.8-58.8	"	72	71.5	73.0	"		.06	.010			
59.6	76.7	Schistose andesite - chloritized andesite, elongate sin curved	"	73	73.0	74.5	"		.08	.011	.080		
Rec, 100%		chlorite clots, may with epidote, hint of clastic texture	"	74	74.5	76.0	"		.12	.035			
		64.3 - 35 mm chlorite band @ 55° with abundant py	"	75	76.0	77.5	"		.10	.084	.057		
		Weak epidote to 64.3 - chl clots fade out at 67.8	"	76	77.5	79.0	"		.08	.010			
		Silicified 67.8 - 68.7 - 1% fine dist py, abundant cpy	"	77	79.0	80.5	"		.01	.003	.003		
		At 71.4 - 30 mm sil-carb banding @ 30° abundant py. minor cpy 73.5	"	78	80.5	82.0	"						
		Entire section strongly calcareous & schistosity weak	"	79	82.0	83.5	"		.01	.007	.003		
		banding weak - more massive texture. At 76.4 - 80 mm with 20% sil	"	36 80	83.5	85.0	"						
66.7	93.6	Sericite schist - very calcareous - upper contact gradational	"	81	85.0	86.5	"		.01	.004	.004		
Rec, 100%		@ 50°, 1-2% fine dist py. From 76.7 - 78.2 - mix of	"	82	86.5	88.0	"						
		above and sericite schist. From 78.0 - 78.2 - band @ 80-90°	"	83	88.0	89.5	"		.01	.001	.003		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Assay
		with probable tight fold. Schistosity weak to 91.0	100%	3684	89.5	91.0	1.5						
		Fine dis py throughout ± 2% . Fine laths matrix develop	"	85	91.0	92.5	"			.02	.001	.004	
		very weak foliation @ 40°-60°, bit of fragmental texture.	"	86	92.5	94.0	"			.02	.003		
		At 94.0 - weak banding or bedding @ 55°. Weak epidote	"	87	94.0	95.5	"			.09	.011	.050	
		alt'n 94.6 - end	"	88	95.5	97.0	"			.02	.002		
93.6	101.7	Chlorite schist with local sections sericitic - schistosity	"	89	97.0	98.5	"			.09	.059	.054	
		not strongly developed @ 60-65°. Scattered irregular siliceous	"	3690	98.5	100.0	"			.18	.010		
		bands with abundant py. Entire section calcareous. Schist	"	91	100.0	101.5	"			.10	.030	.128	
		At 97.5 - minor cpy.	"										
		local sections siliceous. At 99.7 - beds contorted. weakly	"	92	101.5	103.0	"			.10	.011		
		100.8 - cpy in calcite veinlet	"										
		silicified 100.7 - 101.7. Entire section with approx py	"	93	103.0	104.5	"			.09	.091	.038	
		on schistosity, py in lns frs and in scattered fine gtz veins	"	94	104.5	106.0	"			.12	.134		
	106.6	Light brownish grey to grey-white, fine grained, hard,	"	95	106.0	107.5	"			.12	.040		
		siliceous rhomboidals, no foliated to very weakly schistose, fine	"	96	107.5	109.0	"			.10	.005		
		carbonate frs, fine matrix with small subbedded fold planes; dis py 1-2%	"	97	109.0	110.5	"			.05	.048		
		103.2 - 30mm band minor py @ 50°; similar zone at 104.2	"	98	110.5	112.0	"			.06	.021		
1010	124.9	Above unit grades into more chloritic one but still silic	"	99	112	113.5	"			.10	.021		
		in part, marked increase in py as veinlets, silic veinlets, fine	"	3700	113.5	115.0	"			.08	.017		
		fr filling dis. By 109 grades into chlorite schist. At 109,	"	01	115.0	116.5	"			.11	.015		
		banding @ 70°, decrease in py. From 116.6 - 117.6 - several	"	02	116.5	118.0	"			.09	.007		
		coarse bands py in silic alt'n @ 60°-90°. Faint banding @ 50°	"	03	118.0	119.5	"			.05	.002		
		Weak silic 119.7 - 120.1 with gtz-calcite vein @ 45°-10 to 40cm	"	04	119.5	121.0	"			.08	.015		
		wide. At 121.3 - 35mm gtz vein @ 70° with coarse cpy.	"	05	121.0	122.5	"			.10	.015		

Interval		DESCRIPTION	Recovery	Sample N ^o	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
128.1	128.2	Seriate schist - upper contact transitional over very short distance @ 60-65°. Fine diss py ± 2%. Lower contact 800	100%	3206	123.5	124.0	1.5			.02	.011			
128.2	131.5	Andesite - moderate chl schist, very weak schistosity, upper part with small chlorite clots @ 55°, weak graphite 2 ft, fine diss py (+2%)	"	07	124.0	125.5	1.5			.07	.012			
			"	08	125.5	127.0	"							
			"	09	127.0	128.5	"			.01	.025			
			"	3710	128.5	130.0	"							
130.5	138.7	Chlorite schist or schistose andesite - similar to section (52.6-76) vague banding @ 55-60°. Scattered coarse py veinlets with qtz-calcite @ 55-60°. 133.8-133.9 - calcareous-sil band with 15% py flooding zone, similar zone 136.9-137.0 @ 50°	"	11	130.0	131.5	"			.01	.012			
			"	12	131.5	133.0	"							
			"	13	133.0	134.5	"			.05	.015			
			"	14	134.5	136.0	"							
			"	15	136.0	137.5	"			.07	.019			
138.7	141.3	Silicified zone - light gray, fine, qtz vein 300mm at 140.0 @ 35°, 1% diss py	"	16	137.5	139.0	"							
			"	17	139.0	140.5	"			.03	.015			
141.3	144.9	Chlorite - seriate schist - lighter gray than normal chlorite schist, chlorite clots scattered at 55°. 143.5 - 15mm qtz vein @ 35°, few grains galena. Grades to chlorite schist at 144.9, calcareous throughout	"	18	140.5	142.0	"							
			"	19	142.0	143.5	"			.01	.01			
			"	3720	143.5	145.0	"							
			"	21	145.0	146.5	"			.01	.015			
144.9	157.4	Chlorite schist - schistosity + chlorite banding 70-75°. Pyrite notably less as weak diss + scattered veinlets 1/2%. Very calcareous.	"	22	146.5	148.0	"							
			"	23	148.0	149.5	"			.01	.015			
			"	24	149.5	151.0	"							
151.0	167	Chlorite - seriate schist - light gray, weak schistose features, scattered fine to coarse chl'd mafic - clasts(?)	"	25	151.0	152.5	"			.01	.015			
			"	26	152.5	154.0	"							
			"	3727	154.0	155.5	"			.01	.003			

DIAMOND DRILL RECORD

LOGGED BY A.M. Jones

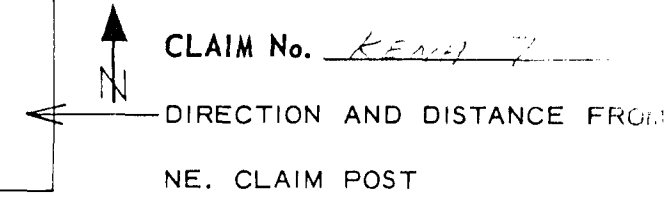
PROPERTY KENA metric

D.D.H. No. 2281-3 PAGE 1 of 6

LATITUDE 0+2.25 (0+0.675) BEARING OF HOLE N 40 E STARTED August 9, 1981

DEPARTURE 1+97E (1+1180) DIP OF HOLE -60° COMPLETED August 14, 1981

ELEVATION 4850 ft (1478 m) DIP TESTS 60° at 179.2 DEPTH 179.2 metres



FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY	
FROM	TO			FROM	TO		Ag	Au
0	4.0	Casing - in core	3801	0	6.0	2.0		
4.0	7.7	Andesite - coarse porphyritic texture - subhedral to rounded feldspar phenocrysts, calcite, very calcareous	02	6.0	7.5	1.5		
			03	7.5	9.0	"	102	1010
7.7	16.4	Sericitic schist - very light grey, weak schistose texture, many oval feldspar grains 1-3mm, weak foliation 65-70 developed by fine ch'd matrix, pyrite content low (1%) or less, maybe alt's rhyolite porphyry	04	9.0	10.5	"		
			05	10.5	12.0	"	101	1001
			06	12.0	13.5	"		
16.4	33.5	Calcite schist - medium grey, fine, upper 40 cm vuggy, transition zone	07	13.5	15.0	"	101	1001
		15-19.5 - vuggy with many limonite frs @ 65°, also at 20.7-21.0	08	15.0	16.5	"		
		19.5-25.4 - weak foliation developed by fine matrix. Scattering elliptical chloritized clasts 1-2mm, some much coarser, also scattered feldspar	09	16.5	18.0	"	102	1001
		crystals, weak spindle ill. in folds - looks clastic. Some clasts with abundant	3840	18.0	19.5	"		
		pyr, elsewhere 190 det. py. and few coarse smeared ch'd clasts.	11	19.5	21.0	"	101	1001
		25.9-27.1 - finer grained, rounded 20° - tuffaceous, irregular - fine gr.	12	21.0	22.5	"		
		veinlets, 27.4-27.9 - siliceified, light grey to 29.8 but quite	13	22.5	24.0	"	101	1001
		chloritic, schistose, siliceous chlorite to 33.5.	14	24.0	25.5	"		
			15	25.5	27.0	"	101	1001
33.5	41.1	Schistose andesite tuff(?) - medium grey, finer matrix with coarse quartz, and chloritized clasts, faint banding 20°. Few ch'd clasts in matrix	16	27.0	28.5	"		
			3811	28.5	30.0	"		

9476

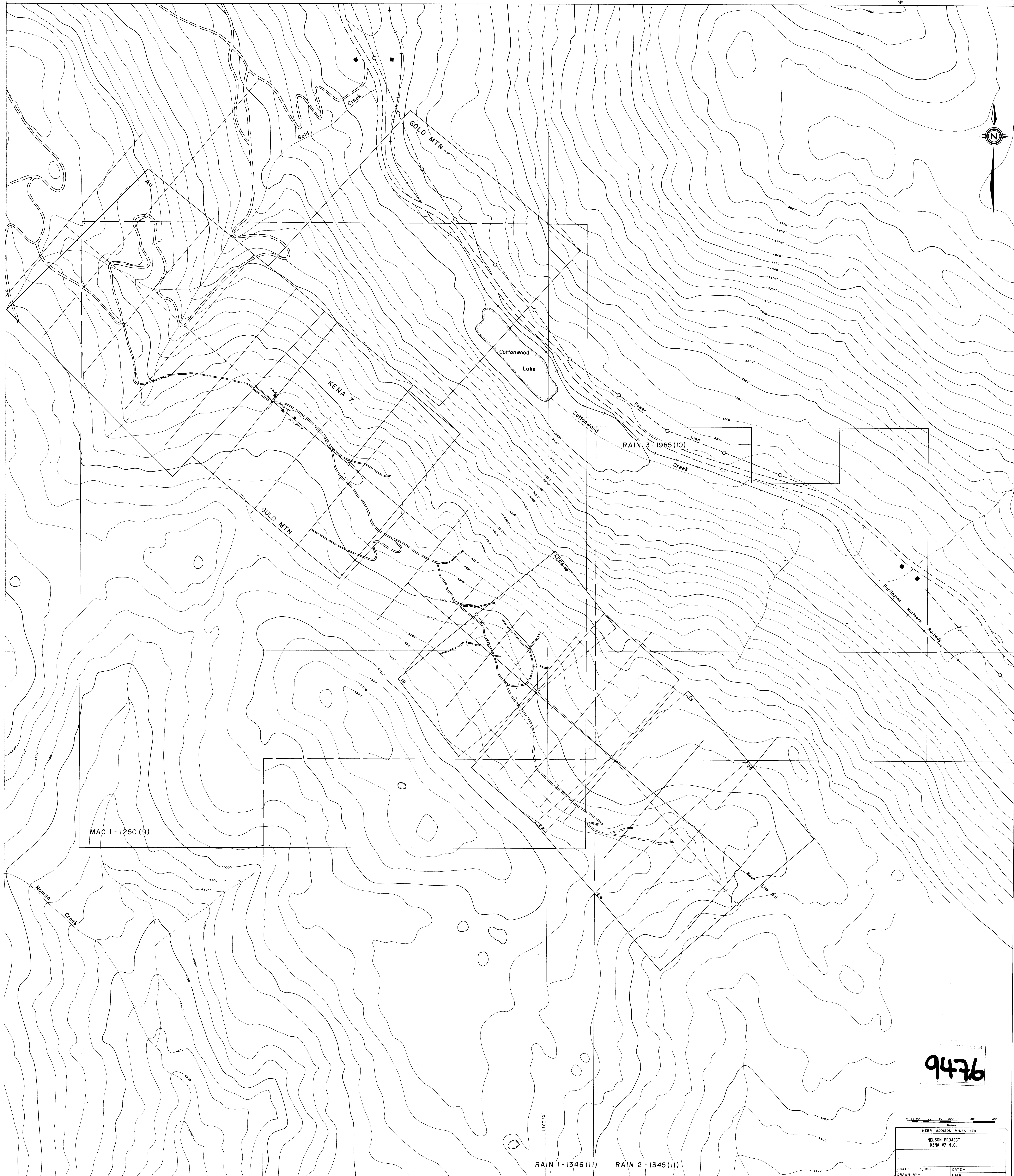
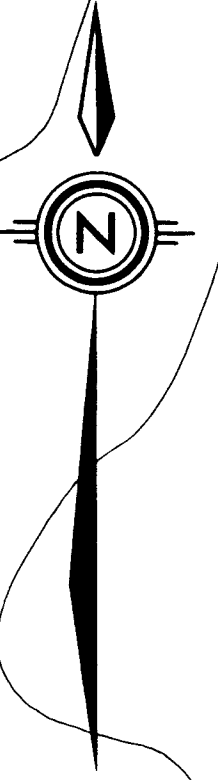
Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
		Several chlorite bands 2-4mm wide @ 70° Py - 17%	100%	3818	30.0	31.5	1.5							
		39.2-40.1 - light gray, fine grained, light scattering coarse		19	31.5	33.0	"			.04	.010			
		fold planes, well bedded at 60°, weak silicification, strong		3820	33.0	34.5	"							
		at upper contact, weak pyrite, weakly silicified		21	34.5	36.0	"			.02	.003			
		40.1 - 41.0 - massive to 38.5 - 39.2, Entire section calcareous		22	36.0	37.5	"			.01	.008			
	± 2.9	Chlorite bands - epidote with 42.9 of beds.		23	37.5	39.0	"			.02	.010			
		Py ± 2% Calcareous		24	39.0	40.5	"			.01	.007			
12.9	54.75	Andesite - In 46.0 - includes chlorite ± sericite		25	40.5	42.0	"			.12	.020			
		schist and short local silicified areas.		26	42.0	43.5	"			.08	.007			
		45.1 - 45.2 - silicified @ 60° with fine banded pyrite		27	43.5	45.0	"			.10	.010			
		cpy. From 46.0 - 54.75 - more massive, little or no schistose		28	45.0	46.5	"			.11	.023			
		texture, chert, chlorite, sericitized, calcareous, light		29	46.5	48.0	"			.13	.020			
		scattering fine glz-calcite veinlets		3830	48.0	49.5	"			.09	.006			
		51.4 - 51.7 - silicified with glz veinlets + py 51.6 - 51.7		31	49.5	51.0	"			.10	.010			
		with chlorite, all @ 60°, also at 53.4 - two 12mm bands		32	51.0	52.5	"			.08	.014			
		51.6 + py		33	52.5	54.0	1.5			.12	.010			
		53.8 - 54.6 - more chlorite, silic bands @ 60°		34	54.0	54.6	0.6			.023	.048			
		54.6 - 54.75 - massive py with 10mm sph + gal nei		35	54.6	54.75	0.15			.13	.010			
		lower contact.		36	54.75	55.5	0.75			.04	.011			
15	56.6	Andesite - non calcareous, diatitic texture, dark, mag. gr,		37	55.5	57.0	1.5			.13	.010			
		silicified, low py 17% From 54.75 - 55.1 - 60° bed,		38	57.0	58.5	"			.01	.010			
		weakly silicified @ 60° calcareous.	100%	3839	58.5	60.0	"			.11	.010			

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
66.6	66.7	Andesite - fine grained, weak chlt. 1/4", light grey, several smears 2 mm	100%	3840	60.0	61.5	1.5			.03	.011			
		smear chlt. faint banding @ 60° - tuffaceous? upper contact with gtz - carb - chlt. locally siliceous 580		3913	61.5	63.0	"			.03	.012			
		580 - 61.7 - above with chlorite schist section		12	63.0	64.5	"							
		@ 70° with several narrow py veinlets @ 70°		11	64.5	66.0	"			.10	.013			
66.7	77.6	Andesite - dark, non schistose, dioritic texture, 2% disc. py. upper contact rounded @ 40° with fine py veinlets		10	66.0	67.5	11							
		65.2 - 10 mm sil. band @ 60° with py		09	67.5	69.0	1.5			.12	.010			
		65.6 - 5 mm gtz vein @ 55°, 66.6 py sil. 10 mm either side		08	69.0	70.8	1.8							
		66.32 - 66.44 - sil. @ 45° with fine py veinlets		07	70.8	71.4	0.6			.11	.010			
		67.0 - 67.15 - sil. band @ 60° with coarse bleb py at 67.1		06	71.4	73.0	1.6			.31	.041			
		also several fine py veinlets dis.		05	73.0	75.0	2.0			.12	.008			
		70.2 - 70.4 - massive gtz vein @ 10°		04	75.0	76.5	1.5							
		70.8 - 71.0 - massive gtz vein, upper contact @ 45°, lower @ 60°		03	76.5	78.0	"							
		includes 2 cm andesite in center. Quartz with very coarse blebs py, very minor brown sph + galena. At upper contact		02	78.0	79.5	"							
		4 cm banded py in alt. andesite vein with coarse carb - brd.		3901	79.5	81.0	"			.05	.009			
		72.5 - 72.7 - gtz sil. by filling + py; 72.7 - 73.0 - sil. with rounded py, some banded @ 45° - rest 10°, py. <small>CPY @ 75.0. common.</small>		3800	81.0	82.5	"							
		76.1 - 77.1 - becomes partially siliceous. Entire andesite <small>Di. in center = fragment</small>		3799	82.5	84.0	"			.02	.013	.014		
		weakly pyritized (2% py) <small>mini. disc. py.</small> At 77.1 - 10 mm py @ 45°		98	84.0	85.5	"							
				97	85.5	87.0	"			.02	.009	.014		
				96	87.0	88.5	"							
				95	88.5	90.0	"			.03	.011	.013		
77.6	82.3	chlorite schist - figs, fine chlt. carbonate veins at 55° - tuffaceous? calcareous. Py con. + flu.	✓	94	90.0	91.5	"							
			100%	3793	91.5	93.0	"			.07	.008	.006		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x	
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn
74.5	74.5	Schistose andesitic flow or tuffs - light to medium grey	100%	3792	93.0	94.5	1.5							
	74.5	with weak schistosity at 70°, chloritized matrix at base		91	94.5	96.0	"			.00	.010	.006		
	74.5	to coarse clastic gneiss - somewhat schistosity,		90	96.0	97.5	1.5							
	74.5	calcareous, a calcareous sand or fragments - small.		89	97.5	98.1	0.6			.00	.012	.027		
	74.5	By an occasional interpenetrating schistosity		88	98.1	99.0	0.9							
78.5	78.1	Rhyolitic? - light greenish-grey, fine grained, 100%		87	99.0	100.5	1.5			.00	.008	.010		
	78.1	light foliate or "swirls", clay with stringers of mica,		86	100.5	102.0	"							
	78.1	weak calcareous thin, prominent sharp at 70° with dark		85	102.0	103.5	1.5			.00	.001			
	78.1	chl at base at 96.7 - faulting @ 45° From 96.8 - 98.1 - weakly		84	103.5	105.0	"							
	78.1	silicified, with apperpy at 96.7, 97.5-97.6, sph at		83	105.0	106.5	"			.00	.001			
	78.1	98.0 - 100.0 with sulfide bands at 75°		82	106.5	108.0	"							
101	161.0	Andesite - weakly schistose schist, dark, To 100		81	108.0	109.5	"			.00	.003			
	161.0	similar to 82.3 - 90.5, then becomes dark, medium grained		3780	109.5	111.0	"							
	161.0	with local section chl schist. Boundary variable 45-50°		79	111.0	112.5	"			.00	.010			
	161.0	scattered numerous py bands, scattering fine irregular gtz-cal		78	112.5	114.0	"							
	161.0	veinlets. From 100.7 - 102.3 - light grey, weakly siliceous, py bands		77	114.0	115.5	"			.00	.004			
	161.0	102.4 - 100.7 - weak epidote at 104.0 -		76	115.5	117.0	"							
	161.0	110.1 - 110.3 - numerous fine gtz-cal filled fiss. From 111.4 - 113.7		75	117.0	118.5	"			.00	.003			
	161.0	light grey fgs, strongly siliceous 113 - 113.7. Contact @ 45°		74	118.5	120.0	"							
	161.0	114.0 - 114.3 - siliceous with numerous 1-2mm bands py @ 60° & 70°		73	120.0	121.5	"			.00	.003			
	161.0	From 114 - schistosity not obvious on surface of core but		72	121.5	123.0	"							
	161.0	on split core is moderately strong, increases chl, texture irregularly	100%	3711	123.0	124.5	"			.00	.010			

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb
		Fragmentary. Scattered coarse chert bands @ 60°-80°	100%	3770	124.5	126.0	1.5			.08	.005		
		with some py. Schistosity weak, about 125.0, best call		69	126.0	127.5	"			.06	.010		
		weakly schistose, with calcareous. Few fine py. veins @ 45°		68	127.5	129.0	"			.03	.028		
		125.1-125.2 - silic, coarse py		67	129.0	130.5	"			.03	.010		
		Weak schistosity 132° to 139.0. Chl banding @ 50° to 70°		66	130.5	132.0	"						
		Scattered py. in ss, calcareous. Silicif bands with		65	132.0	133.5	"			.03	.010		
		abundant py at 140.0 - 7cm; 140.6 - 4cm with 10 mm fr @ 5°		64	133.5	135.0	"						
(cp)		also pyritized; 145.9 - 4cm; 143.2 - 5cm with minor ep		63	135.0	136.5	"			.01	.009		
		Moderate epidote at 144.1 - 153.5		62	136.5	138.0	"						
		From 139.0 - 160.1 - andesitic, schistosity absent		61	138.0	139.5	"			.01	.007		
		mostly weak, weakly calcareous. Epidote on fr at various		3760	139.5	141.0	"						
		angles and pervasive over very limited areas. Py < 1%.		59	141.0	142.5	"			.05	.009		
		141.6 - blubery											
		Banding @ 152.0 55°-60° 152.4 - blubery		58	142.5	144.0	"						
		153.1 - 153.3 silic with chert py bands at approx		57	144.0	145.5	"			.05	.010		
		60° angle to core with some black barren silic andesite.		56	145.5	147.0	"						
		Either tight fold or two fr sets, both mineralized		55	147.0	148.5	"			.03	.019		
		Sil 159.5-161, with 30% py. At 160.9 - broken,		54	148.5	150.0	"						
		20% py @ 160.5		53	150.0	151.5	"			.03	.010		
11.0	11.0	Chert 2' thick many narrow vuggy bands @ 60°		52	151.5	153.0	"			.01	.014		
		to 165.0 from 163.4 - 163.9 - rhyolitic bands 30°. Fault		51	153.0	154.5	"			.05	.027		
		gougeon 30° at 163.6. Broken at low angle and 60°		3750	154.5	156.0	"			.04	.005		
		From 153.0-105 with ep at 105°		3719	156.0	157.5	"			.01	.010		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		165.7-167.0- strongly silice with abundant py @ 0°-10°;	100%	374B	157.5	159.0	1.5									
		also silice 167.4-168.0 at low angles.		47	159.0	160.5	"			.07	.010					
		170.25-170.15- silice band @ 50° with massive py		46	160.5	162.0	"									
		170.65-170.85- silice band @ 70° with two bands py.		45	162.0	163.5	"			.03	.007					
		171.15-171.2- good calcite schist @ 75°, very		44	163.5	165.0	"			.01	.005					
		calcareous. At 172- approx limit.		43	165.0	166.5	"			.07	.021					
		172.5-172.5 179.2 metres		42	166.5	168.0	"			.15	.076					
				41	168.0	169.5	"			.03	.007					
				40	169.5	171.0	"									
				39	171.0	172.5	"			.03						
				38	172.5	174.0	"									
				37	174.0	175.5	"			.07	.006					
			✓	36	175.5	177.0	1.5									
			100%	35	177.0	179.2	2.2			.1	.007					



MAC I - 1250 (9)

RAIN 3 - 1985 (10)

9476

RAIN 1 - 1346 (II) RAIN 2 - 1345 (II)

KERR ADDISON MINES LTD	
NELSON PROJECT	
KENA #7 M.C.	
SCALE - 1:5,000	DATE -
DRAWN BY -	DATA -
NTS-82 F 6	FIG. No.