

DIAMOND DRILL RECORD

LOGGED BY J. M. Jones

822994

PROPERTY KENA 7 CLAIM metre
 LATITUDE 0+78N1 (0+23.7N) BEARING OF HOLE N 40E STARTED August 4, 1981
 DEPARTURE 0+25.W (0+7.7W) DIP OF HOLE 60° COMPLETED August 7, 1981
 ELEVATION 4765ft DIP TESTS At 180m - 60° DEPTH 182.3 metres

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CLAIM No. KENA 7

DIRECTION AND DISTANCE FROM

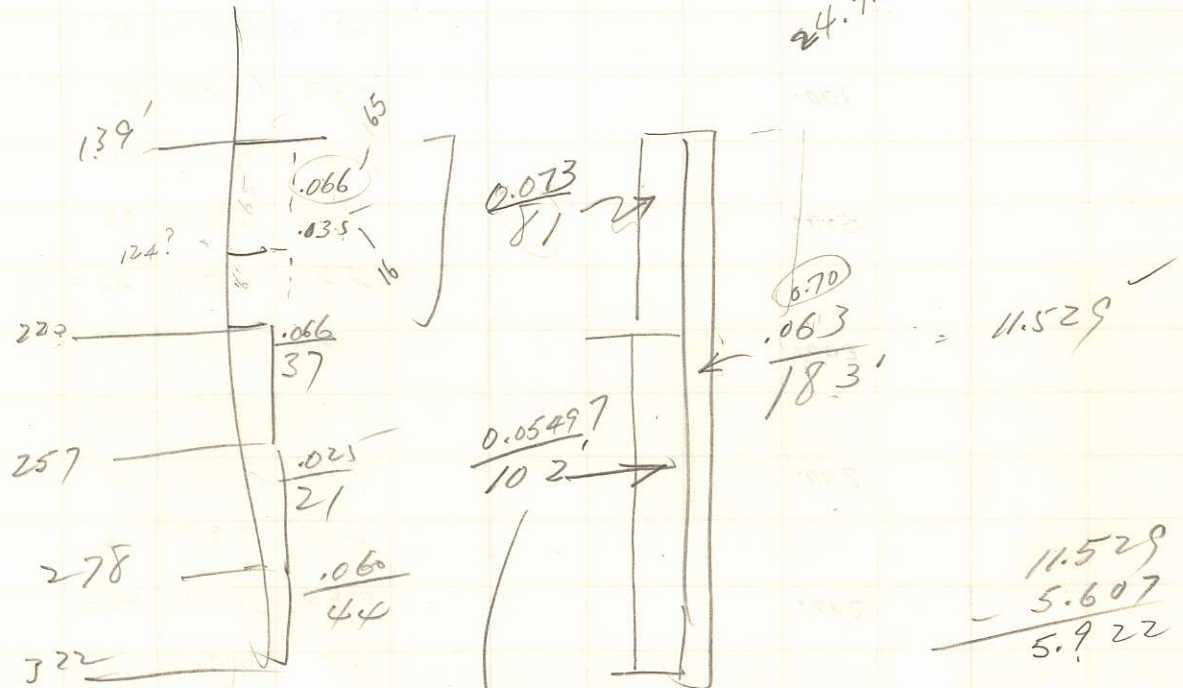
NE. CLAIM POST



FOOTAGE		Rec'y	DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY		
FROM	TO				FROM	TO		Au	Ag	
0	5.0	0	Casing - no core Chlorite schist	3481	2.0	5.5	0.5			
5.0	12.5	6.3	Light grey chlorite-schist, probably sericite schist at 8.0 - 12.5. Chlorite	82	5.5	7.0	1.5	.002		
12.5	31.3	18.8 100%	Section calcareous, sericite section ^{weak to no} carbonate. Sericite weakly developed	83	7.0	8.5	1.5			
			@ 60°. Section very broken, micrite on top to 8.0. Vuggy section throughout to 13.0	84	8.5	10.0	1.5	.010		
			From 18.0 - 19.2 less chlorite, more sericite, py bands @ 60° locally 5% py.	85	10.0	11.5	1.5			
			From 20.2 - 20.4 - vuggy with gtz	86	11.5	13.0	1.5	.006		
			From 21.5 - 23.0 - marked increase in py, etc = 5% section slightly	87	13.0	14.5	1.5			
			light, weakly schistose. At 22.0 - 30 mm gtz vein @ 40°. At 26.25 - 26.5	88	14.5	16.0	1.5	.001		
			py bands @ 55° with gtz - carbonate veinlets 1-3 mm	89	16.0	17.5	1.5	.005		
			At 29.4 - 10 mm gtz bands bleached @ 45°. At 29.15 - 20 mm gtz-calcite	3490	17.5	19.0	1.5	.071		
			vuggy vein @ 45-60°. From 31.3 - 32.6 - less chl, weak silicification, also 34.4-36.0,	91	19.0	20.5	1.5	.003		
			38.6-39.1, 41.2 - 41.42. Massive sulfides 41.2-41.3 @ 90° and 41.3-41.42	92	20.5	22.0	1.5	.002		
			@ 25° of replacement in quartz - massive brown & black = phalosite with 5 mm	93	22.0	23.5	1.5			
			best galena and several coarse blobs cpy. At 42.7 & 42.8 - 2-1 cm	94	23.5	25.0	1.5	.002		
			gtz veins @ 25°. Section calcareous	95	25.0	26.5	1.5			
31.3	67.3	36.0 100%	Andesite - light grey, less chl and carb than above, non schistose, py ± 2%	96	26.5	28.0	1.5	.001		
			47.3-47.5 - silicif with fine py veinlets @ 45°. Carbonate increase at 48.0	97	28.0	29.5	1.5			

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		48.0-48.2 - minor dis cpy	1.5	3498	29.5	31.0	1.5				.002				
		48.6-48.9 - gtz vein with scattered coarse blebs py, cpy, sph	"	99	31.0	32.5	1.5								
		and fine gal. Contacts irregular	"	3500	32.5	34.0	1.5				.002				
		48.0-67.3 - altered andesite ^{with weak sericite alt'n,} similar to that prior to vein,	"	3601	34.0	35.5					.048				
		calcareous, very few scattered grains of cpy in	"	02	35.5	37.0					.031				
		fine gtz-calcite veinlets, short local sections with	"	03	37.0	38.5					.071				
		silicification at 58.8-59.4 and other very short sections	"	04	38.5	40.0					.002				
		Siliceous sections with appress sericite on fcs. Abundant py	1.2	05	40.0	41.2									
		encrusted @ 45-50° at 57.9, 58.8-59.1, 60.4, 62.1-62.3, and	0.22	06	41.2	41.42					.010				
		63.5. At 63.85 - two 3mm gtz-carb veinlets opposing	1.58	07	41.42	43.0									
		each other at 30°, walls with coarse chlorite on walls	1.5	08	43.0	44.5					.002				
		and blebs py. From 64.6-65.3 - fine or band chl-ser	"	09	44.5	46.0									
		alt'n @ 65°, sparse py. From 65.9-66.15 - irregular	"	3610	46.0	47.5					.011				
		calcite veinlets, coarse gtz-carb banding @ 65° at 66.0-66.15	"	11	47.5	48.6									
		Feldspathic, sericite 66.95-67.15 with fine py. At 67.3	"	12	48.6	49.0					.016				
		3mm py veinlet @ 30°	"	13	49.0	50.5									
67.3	84.3	<u>Chlorite schist</u> - schistose texture weak - chl alt'd	"	14	50.5	52.0					.002				
Recy	100%	andesite or tuff (?), Apprec. increase in chl content,	"	15	52.0	53.5									
		pyrite less, est < 1%. Chlorite banding @ 60°-65° at	"	16	53.5	55.0					.001				
		75.4-76.6, entire section calcareous.	"	17	55.0	56.5					.005				
		76.6-84.3 - grey, fgr, feldspathic with chl-sericite alt'n	"	18	56.5	58.0					.040				
		Foliation developed by elongate, smeared chloritized matrix.	"	19	58.0	59.5					.029				

$$\begin{array}{r}
 174 \\
 -139 \\
 \hline
 65 \text{ of } .066 \\
 \frac{16 \text{ of } .035}{87} \\
 \hline
 = 1.05987
 \end{array}$$



$$\begin{array}{r}
 11.529 \\
 -5.607 \\
 \hline
 5.922
 \end{array}$$

11.3
 6.4
 13.4

121.9

Flow	To	DESCRIPTION	Flow	To	Flow	To	Flow	To	Flow	To	Flow	To	Flow	To

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PAGE

DIAMOND DRILL RECORD

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D.D.H. No 81-4

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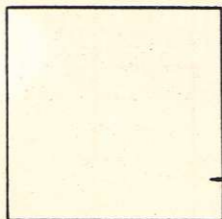
PROPERTY KENA PROPERTY ^{metric}

LATITUDE 0+17.75 (0+5.45) STARTED August 11, 1981

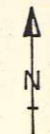
DEPARTURE 48E (1463E) COMPLETED August 14, 1981

ELEVATION 5100 (1554.4) PROPOSED DEPTH 750' (228.5m)
 ULTIMATE DEPTH 748 (228m)

HOLE SURVEY:		
DEPTH	BEARING	DIP
748		-63°



CLAIM No KENA 13



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval		Rec'y	DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To					From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
0	2.7	0	Casing - no core	0.3	3841	0	3.0	0.3									
2.7	9.1	100%	Rhyolite - vaguely coarse clastic texture, hard, siliceous, light grey, strongly fr'd @ 50°-70°; many of which are limonitic to 8.0, whole section sericite alt'n.	2.5	42	3.0	6.0	3.0									
			Py as dots and veinlets 1-2mm @ 40-60°, chalcopyrite as occasional veinlet at various angles and weak disc. (Cu ox)	100%	43	6.0	9.0	"									
			Apprec malactite with limonite some chalcocite 7.3-7.5		44	9.0	12.0	"									
			Very weak Cu ox from 0-7.3. Coarser cpy 4.4-4.9 and 6.1. Overall grade low, est 0.2% Cu (sulphides)		45	12.0	15.0	"									
					46	15.0	18.0	"									
					47	18.0	21.0	"									
					48	21.0	24.0	"									
					49	24.0	27.0	"									
9.1			Entire section non-calcareous		3850	27.0	30.0	"									
9.1	21.0		Andesite - grey, weak to moderate chl+ser alt'n, schistosity 50°-65°, calcareous. Pyrite in scattered		51	30.0	33.0	"									on split core
			qtz-carbonate bands @ 50°-65°, sil. some at 15°-20°. Bands 1-5mm, many with 30% py. Occasional grain cpy in pyrite		52	33.0	36.0	"									significant cpy
			11.7- grades to chlorite schist + sericite bands except where noted cpy at 11.9 - disc in 1mm		53	36.0	39.0	"									14.0-16.0
			qtz-carb vein @ 60°; 13.1-13.3 - few grains in py veinlets @ 70°;		54	39.0	42.0	"									
			13.5- with ... 14.3-14.1 - minor ...		55	42.0	45.0	"									
					56	45.0	48.0	"									
					3857	48.0	51.0	"									

minor cpy

minor cpy

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
62.4	67.6	Rhyolite or dacite ^{light} - grey - white, fine, siliceous, non calcareous. Coarsely diss py as isolated blebs, develop weak foliation at 55°, est 1-2% py. Lower contact gradational		39 27	186.0	189.0	3.0									
				26	189.0	192.0	"									
				25	192.0	195.0	"									
67.6	92.0	Andesite, - weakly silicified banding @ 70°. Very light scattering of fine py veinlets @ 70°		24	195.0	198.0	"									
				39 23	198.0	201.0	"									
		Some with minor cpy. At 75.2 - fine cpy veinlet @ 60°		39 22	201.0	204.0	"									
		78.2 - 79.3 - moderate siliceous, numerous 1-2 mm py veinlets @ 65-70°		21	204.0	207.0	"									
		To 82.5 - mixed siliceous, andesite and weakly chl'ed andesite with banding (bedding) @ 65-70°. Siliceous sections look fragmental - rhyolitic tuft or conglomerate (?)		39 20	207.0	210.0	"									
				19	210.0	213.0	"									
				18	213.0	216.0	"									
		82.5 - 92.0 - grey andesite, more massive, not banded, calcareous, local sections soft, talcose, chl alt'n less than previous. Scattering 1-2 mm py veinlets @ 65-70° + 1%		17	216.0	219.0	"									
				16	219.0	222.0	"									
		thin previous. Scattering 1-2 mm py veinlets @ 65-70° + 1% diss py		15	222.0	225.0	"									
				39 14	225.0	228.0	"									
		89.3 - 90.3 - minor grains of cpy, one veinlet cpy at 89.9 and one at 90.1, latter in vuggy pt; vein @ 60° - 10 mm. Core very broken 90.7 - 92.0. Siliceous 91.0 - 91.6 with py veinlets @ 75°														
92.0	94.7	Schist - chlorite and carbonaceous bands @ 65°, fine py along foliation														
94.7	112.5	Schistose - above unit becomes locally siliceous with fragmental bands (?) at 70° - somewhat similar to 67.6 - 82.5. Chalcopyrite as odd fine veinlets and weak diss														

rhyolitic
check

rhyolitic

(cpy)

(cpy)

(cpy)

DESCRIPTION

RECOVERY

NO

FROM

INTERVAL

TO

LENGTH

SP

SU

VS

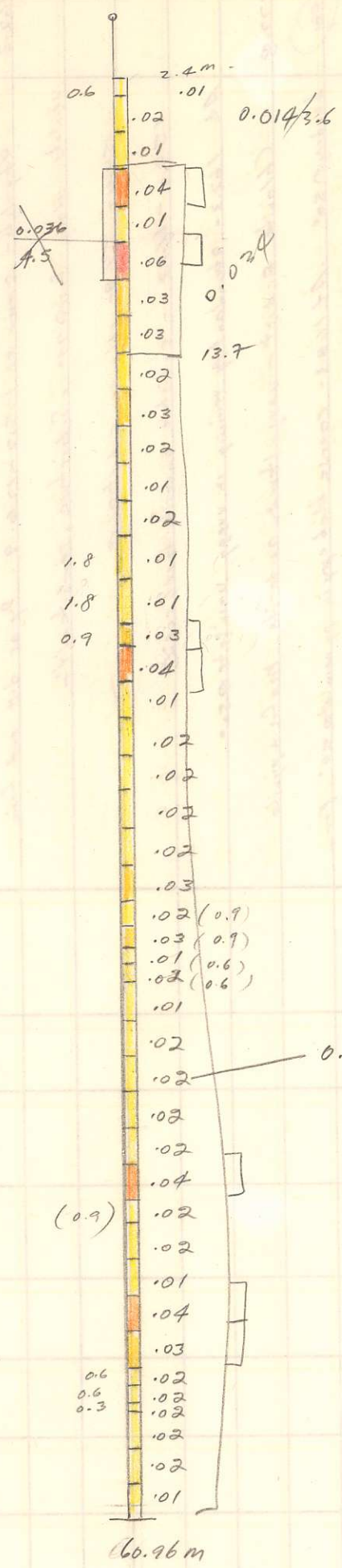
VS

VS

VS

VS

VS



0.04 - 0.06
 0.06 - 0.08
 > 0.08

0.0955 - 4m -

156 }
 35 } 0.095 / 4m -
 40 }
 52 }
 0.072 / 10m -
 0.079

13
 26

greater for a.s.

0.0167096

0.043 / 8.

24
 6
 2
 8
 12

 52

< 0.03
 0.03 - 0.04
 0.04 - 0.06
 0.06 - 0.08
 > 0.08

1.181 → 0.0656111
 from 26 to 56 -

12
 12
 14

 38

1.8 x 0.0252 =
 1.14 x 0.033 =

0.169

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