

1009SE0004 25 HUFFMAN

010

DIAMOND DRILLING

TOWNSHIP: HUFFMAN TWP.

REPORT NO: 25

WORK PERFORMED FOR: Tonaphah Resources

RECORDED HOLDER: Same as Above [xx] : Other] <u>Claim No.</u> <u>Hole No.</u> <u>Footage</u> <u>Date</u> Note P 1013794 88-1 376' Mar/88(1)(2)(3) 88-2 (1)(2)(3) (1)(2)(3) P 1013794 306' Mar/88 88-3 326' Apr/88 P 1013801 88-4 (1)(2)(3) 486 Apr/88 14 1494

Notes:

(1) #W8806.231 , filed in Jan/89
(2) date not given

(3) For Assay Results see OMEP Submission, OM 88-5-C-025, Toronto file #63.5403. Thès footnote added to file Oct. 4/90.

RIE 066	NTATIO	ER. P./0/3794 DIP45 DEG COLLAR CO-ORDINATESL 26+40E; 6 N AZI170 DEG DRILL COMPANY R. NORMAN CORE SIZEBQ CORE LOCATIONSCOTT H	+30n IAULAGE,	TINMINS	START	TOTAL L She	ENGTH Ength Et 4 Fin.	88-1 376 fi .1 	eei
FOO	TAGE	DESCRIPTION	1 1 1	SAMP		I ASSAY			
CR -	to	*	' no.	i from	l to	llength			
	5	Casing-Overburden	' <i>~~~~</i> 	' 	' 	'' 	·	 	
	6	: Granite Boulder		1	1			1	
			1	ONT	ARIO G	EOLOGI	CAL SU	AVEY	
	212	Hafic Flows:	l		ASSES	SMEN	FILE	S	
	}	Fine to medium grained basalt; green to light green.			1	DFFIC		<u> </u>	
		Weak to moderately chloritic locally (mostly in bands).	i T	5 () 1 S		625	1000 1		
	•	foliation 30 den to 40 den to 1.C.A. Also fractured and bealed by	• •			1.	1300 1		
	1	calcitic material locally.	1	<u>і</u> с			ا م م		
ł		Broken core in places from 5' to 30' with rusty oxidation and minor	1		1=0	EIY	/ E D		
		vuggy quartz veins-no mineralization.	1	1	ł	1		1	
		Several quartz-calcite veins, 1 to 2 inches thick, occur t.o. 45 deg	1	1	1			1	
1		; to 33 deg to L.J.A. No mineralization. ; 49 5 to 53 0; Strongly chasted and healed by guarty-calcite bands	100055	i 140 5	i 152 A	i i 1955 I		i I	
1	l	30 den to 35 den to 1.C.A.: Some sericite: rare minute snerks of	120033	1	10210	12.5		1	
		ovrite: Well banded.			1	1			1
1		39.0 to 40: Mafic buff-green dike; fine grained with minute black	1	1	I	1 1	L 1	ł	
ł		ferro-mag. phenorrysts.	1	t :	1	1 1		ł	
		Contacts at 50 deg to L.C.A. Similar dikelet at 41.0, 2 inches thick.	1	1	1			1	
i		5 52 to 59: Matic dike-diabasic; line grained, black; line grained	i •	\$ 13 •	i 1	i i	i i	1	
1		Weakly calcitic locally: Non-manmetic.	1	1	1	•		1	
		78.0 to 80.0: Coarse grained mafic flow; grey; calcitic, sheared	i	1	1				
	ł	78.0 to 78.8.	ł	1	ł	1 1		ł	
i	l i	BO.0 to 83.2: Black, fine to medium grained diabase; magnetic;	1	1	ł	1 1		ł	
1		contacts 30 deg to 40 deg to L.C.A.	1		}			1	
i	i	; JD.D to JB: A few narrow quartz-calcite veins. One 6-inch vein 97.5	120056	1 7212	1 1 291 0	12.3 !	i 1	1	
į		124.0 to 130.0: Occasional shears with nuartz-calcite in-filling-	1 1	1	1	1		•	
i		no mineralization.		-				1	
1		134 to 143: Moderate to strongly sheared and fractured with quartz-	ł	1	ł	1 1		:	
		calcite in-filling; foliation and fracturing sub-parallel to L.C.A.		1	1		1	ł	
		No mineralization. Rusty oxidation at 142.5 in quartz-veined zone	20057	1142	1143	11.0		1	
i		i to inches of droken core). Very minor fien specks of pyrite.	i 9	1 1.	i	1 1		i 1	
:		, 170,0 to 100,0, augist tern; white with greenish patenes; is oleds of	•	•	· · PR	EVIOUSLY	SPLIT	1	
			1	:	_			ł	
ł		NOTE: Beyond 120 feet foliation and banding increase 45 deg to 55 deg	1	1	15	SULIA	10	. 1	
		L.C.A.	;	. /	5/	1 1	N'd	N I	
1		Uut-contact of volcanics with sediments 30 deg to L.C.A.	i 1	: / s	РC-	<u> </u>	1	1	-
i			1 †		RE	A ROLD	- The second		
1			1	NV	-		<u>بالم</u>		
1			I	ł//\$	<u>6</u> 5/	LI	<u>/</u> ~		
ł			1			FEIN	N	1	

PR	ły	. TOWNSHIP				HOL	E #	. 88-1	
CLATH	MIMRE					TOTAL	FNATH.		
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I FOOTA	IGE I	DESCRIPTION	1	SANF	1 E		. .	ASSAY	
						11		 1	
	το : !		i 80. !		i 60 1	i tengen i)) 1	• 1
1212 12	32.21	Conglomerate-Greywacke	•` ••	- '	, ' 	1	'	' ====== 	1
	1	212 to 221.5: Dark grey greywacke: weakly graphitic; grades to a fine	120058	1212	1216	14.0		1	1
1 1	1	pebble conclonerate double (increasing grain-size double-toos to	120059	1216	1221.5	15.5	1	1	l
1 1	i	south?). Franconte of nuarty and feldenar and feldic chorty claste	1	1 ·····	1	1		i	Ì
 	j	in to 2 rev transports flattened and stratehad.	j			1	•]	ļ
· ·		NOTE: Fore analysis in Note 98-4 indicate a conth diaming segmente-thus		•	•	1 1	, 	, !	•
 ! ?		aradian have suggest tone alon south	•	1	•				
1 1 1 1		201 5 to 202 5. Matrix-runnartad conclosurate with hulf-stage clarks	120060	1221 5	1226 0	1 4 5 9	•	• •	, !
• • •	1	no to 2 inchas thick and langue that cars with outs we in a	120021	1996 6	1000 C	196	1 · · · ·	, 1.	!
1 1 1 1		dy to 2 inches thick and longer than core viola. Classs are in a dark-area arequised to publy successfuldeare activity empiritie	1200622	1220.0	1223.0	1310	•	1	i I
1 I 1 I		lacellus Bevond 200 f. cluste became note align group in colour with	1	1447.0	1233.4	1 Urati (:)	1	1 1
1 I 1 I		tocally; beyond 225.0, classs become pare offre green in colour with	*	1	1	1 I 2 I	•	1	+
1 I 2 I	•	Abundant poloitic visus stainance and this toward locatly to this	1	1	+	1. 1 1	•	1	1
	1	Abundent Calcitic Visps, stringers and thin layers locally t.o. this	1	4	1	, 1 1 1	•	1	1 1
1 I 1 I	i 1	Congromerate greywacke unit, but only moderate siliceous.	i .	1	1	1 1	i I	1 1	1
i i 1)	i	Weakly mineralized with nairline wisps and danus locally (0.34).	1	1	1	i	i I	i a	i I
i i 1 1	1	rollation av deg to L.L.M.	i	1	i 1	i i	i -	3 1	1
i i 1000-010	i 10.01	Annakista Andreastan Mark wall bended and beened at the second states	i	i 1	i •	i i	i	i.	i 1
1232.213	12.8i	braphitic Secteents: Black, well banded and layered staty, argilitte	;	1	i			i	i
i i	i	and mudstone; black and grey layers.	120065	1233	1237	14.0	i	1	1
1 1	. !	2% to 5% thin (up to 8 mm) bands, stringers and blebs, of primary	120066	1237	1242	15.0		1	l
	l	pyrite to 252 and mineralization decreases beyond 252 and becomes		1	1	I		I and	1
	1	less grey and less graphitic.	1	1	1.				1
1	ł	Calcitic bands, stringers and veinlets locally. Li ght grey-green	20063	1248.0	1249.5	1.1.5		ł.	1
	1	calcitic greywacke bands with 1% blebs of pyrite 247.2 to 248.7.		<u>l</u>	1	1	i .	l	1
1	1	274 to 279: Sheared, folded and brecciated with quartz-calcite bands	120064	1274.0	1279.0	1 5.0	•	1	;
1 1		and minor pyrite locally.	Ł	1 .	1	I	}	1	1
1 1	1	306 to 321.8: tuffaceous greywacke; dark grey to grey; thinly bedded	120067	1306.5	1309.5	1 3.0	i .	1.	1
1 / L	1	and cleaved with minute bluish-grey quartz grains. 1 to 2% thin	120068	1309.5	1312.8	1 3.3		1	ł
	;	pyrite bands and wisps.	1	4	1 .	1 I	1	1	1
	ł	Foliation, banding and mineralization 45 deg to L.C.A.	1 .	1	:	1	l	1 .	1
		Fault breccia and gouge 242.0 to 242.5	1	:	1	1	1	I	1
			4	1	.]	;		1	1
1312.B:3	46.01	Intermediate Tuffaceous Greyvacke and Greyvacke: Grey to grey-green	1	1	1	1		<u>ا</u> د د	۰. ۱
	1	fine to medium grained.	ł.	1.000	1 -	1 - 1		1	l
	I	Well sheared and banded with yellow-green sericitic bands locally:	1.	1 .	1.0	1	1	1	1
1 1	1	quartz-calcite bands throughout.	120069	1312.8	1318.5	1 5.7		1	:
: :	ł	316 to 326.5: Chloritic with siliceous bands and guartz-calcite vein	s:20070	1323.5	1326.5	: 3.0	1	1	ł
1 - 1	1	-minor pyrite; Cut by a black, fine-grained, magnetic diabase dite.	120071	1326.5	1330.5	14.0	1	I	:
l	1	from 318.5 to 323.5, with white calcitic anvodules(?).	1	1	1	1	1	1	ł
	i	330.5 to 334.0: Light grev: quartz-eve tuffaceous prevwacke with	120072	1330.5	1334.0	1 3.2			:
	i	bluish guartz-eyes augened by a sericitic matrix siliceous bands	1	1	1.5	SOCIA	10	1 .	ł
	i	Cosson.	ł	1	1. 27		\swarrow	N	1
		Occasional speck of pyrite. Similar section 341.0 to 341.7.	1	i 1	¥/	1	29	pt 1	1
	1	Generally, rare quarty voins and an significant mineralization.	i	j 1/	15	1	WSC.	a	Ì
	1	Shparing, foliation and handing 40 to 45 des 1 C A	Ì	j X/	C.	NOXMAN	() 100.000.]	ě l	
· ·	1	minestring, interestor mile menuting to so the deg forests		11	1.	· ·····	7.	\$	Ì
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CLAIN DRIEN LOGGE	RTY NUMBE TATION D BY	TOWNSHIP R DIP COLLAR CO-ORDINATES AZI DRILL COMPANY CORE SIZE CORE LOCATION			LE 480-1 Length Eet 43 FIN				
F001	AGE 1	DESCRIPTION	DESCRIPTION SAMPLE				I ASSAY		
08	to i	***************************************	no.	from	to	llengthi			
i6.01	355.5	Graphitic Argillite: Black, fine grained; well layered and banded 40-45 deg to L.C.A. Occasional grey section of greywacke. Occasional thin pyritic band. Dut-contact 40 deg to L.C.A. Mafic Flows: Fine to aedium grained basalt. light green: darker green in choritic	* *						
		sections; light to medium green bands. Strongly foliated and sheared 35 to 45 deg to L.C.A. Abundant quartz-calcite bands. 372.2 to 376.0: Chloritic, sheared with abundant quartz-calcite bands 1% fine blebs and wisps of pyrrhotite 375 to 376 with needles of black hornblend.	; ; ; ; ; ; ; ;	 273.7 	 376.0 				
	1	END OF HOLE.	, { 	ə 1 1	, ; ;		}	* 	
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PROPERTYTONAPAH TOWNSHIPHUFFNAN HOLE #88-2 CLAIM NUMBER. P.1013794 DIP45 DEG COLLAR CO-ORDINATESL 36+00E;3+75N TOTAL LENGTH306 FEET ORIENTATION AZI210 DEG DRILL COMPANY SHEET #1 LOGSED BYR. NORMAN CORE SIZEBQ CORE LOCATIONSCOTT HAULAGE-WAREHOUSE, TIMMINS START FINISH										
F001	TAGE	DESCRIPTION	 	SAMPI	 	ASSAY				
ron	to			from	t to	llength	.; ;}			
0	35.01	Casing-Overburden	JN7AY AJ	NO PRO	LOGIC	AL SUR	VEY			
36.0; 	128.6	Mafic Volcanics Fine to medium grained basalts; light green; darker green, chloritic		o Aug	25	. 1988				
i 		In places (eg. 36 to 53); colour probably due to epodotisation. Moderate to strong pervasive calcite alteration locally; abundant quartz-calcite stringers, bands and veinlets throughout; fractured	P	EC	: E \	IED		i I I		
		<pre>locally and healed by calcitic material. Several narrow (2 to 3 inches) quartz-calcite veins 45 to 50 deg. to L.C.A. Well foliated in some sections-45 to 50 deg. to L.C.A. 45.5 to 46.5: sheared and brecciated with thin quartz veins and sparse disseminated pyrite; shearing 5 to 10 deg to L.C.A. No significant mineralization or veining.</pre>	20040	45.0	1 1 1 1 46.5	1.5				
28.61 	235.0	Graphitic Sediments: Black to black grey argillitic mudstone. Well layered and banded 40 deg to 45 deg to L.C.A. Foliation ranges from 20 to 40 deg beyond 146. Bands on primary sulphides common throughout. Badly broken core in places throughout.			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	** **				
, , , ,		Bands of primary pyrite common throughout. 126.6 to 132.0: Calcitic; 2 to 5% thin bands of primary pyrite; trace chalicopyrite; some stringer sulphides.	20041	127.0	, 132.0	5.0				
- 	1	162 to 168: Brecciated and healed by white calcitic material; a few bleb of pyrite. 194.5 to 195 0: Brecciated zone with 1 to 27 discerimated and	20042 20043	166.0	168.0 ! 196.0	2.0		· 1		
 	1	stringers of pyrite (trace chalcopyrite). 145 to 146: Folded and crenulated;	20043	229.0	235.0	2:00	ATIC			
5 	249.5	Conglomerate (Nineralized Zone): Yellow-green to cream; flattened and stretch siliceous and cherty clasts. Clasts supported in a grey-green, quartz-feldspar greywacke matrix, strongly to moderately siliceous and sericitic. Zone becomes grey in colour from 242 to 246.			Konolicz,	E. NOR	ANN.M	in the second		
 		Mineralization: 10 to 20% disseminated to massive pyrite in bands to 239.3 with lesser pyrrhotite. From 239.3 to 249.5 pyrrhotite predominates over pyrite with 5 to 10% total sulphides as bands; strongly magnetic	120045 120045 120046 120047 120048 120048	235.0 238.0 241.0 243.0 248.0	238.0 241.0 243.0 248.0 248.0	i 3.0 i 3.0 i 2.0 i 5.0 i 1.5		\$ \$ 8 8 9		
9.5]	253.61 ¦	Greywacke: Medium grained; dark grey-green; granular; minute fragments. Strong parcuasive calcite throughout, chlorific	20050	249.5	: 253.6	: 4.1				

PRESETY CLAIN NUM DRIENTATIO LOGGED BY.	TOWNSHIP ER DIP COLLAR CO-ORDINATES N AZI DRILL COMPANY CORE SIZE CORE LOCATION			START	HOL TOTAL L She	E Ength. Et Fin	. 2	
FOOTAGE	DESCRIPTION	; ; ; ;	SANPL	ASSAY				
ron i to	'	no.	fron	to	llength			·==
' 	' 249.5 to 253.6 Greywacke (cont'd)	' 	••••••	! ! !	'' 		'' 	
1	<pre>No significant mineralization or veining.</pre>			 				1
; 53.61259.8	; ? Conglomerate-Greywacke:	i 	i i 	i 1	i i I i	. :	i i 	
ł	Large buff volcanic clasts flattened in a grey quartz-feldspar	1		l				i -
ł	greywacke matrix.	{			1			1
ł	Fairly abundant calcitic veinlets and stringers.	20051	253.6	259.8	6.2			
1	257.5 to 259.8: fine to medium grained greywacke.			i 1				
i	i follation 40 deg to L.L.A.	i 1) i) i	i !	i i ! !		i i]	1
•	n ninor sulphides-sparse.	1) I) !	• •		1 1 1 1	
•		1		1				l
59.8:277.6	Greywacke and Argillitic Graphitic Sediments:	1		1	1			
ł	Black and grey layers; graphitic locally.	1	:	1	1			j
ł	Generally well layered and banded 35 deg to 40 deg to L.C.A.	1	:	1	1 1	1		ŀ
1	259.8 to 263.5: Graphitic sediments and argillite with 3 to 5%	(20052	259.8	263.5	: 3.7			I.
ł	l pyrite-pyrrhotite in bands.	120053	263.5	267.0	1 3.5			I
ł		20054	267.0	269.5	2.5			ļ
1	263.5 to 267.0: fine grained, grey-greywacke with 5 to 10% pyrrhotite		;	5.				, 1
i 1	i as thin bands 30 deg to 40 deg to L.C.A.	i .	i i I 1	i 1	i i 1 1		i i I 1	i Į
, 77.61306.0	i ! Nafir Flower	1	1	i !	• •	1	 ! !	2
	Fine grained: medium green: dark green and chloritic locally.	1	1.					1
	6enerally strongly sheared and cut by 25 deg 25% guartz-calcite	1]				ł
1	l bands.	1	1	1	1			ł
1	Foliation and shearing 40 deg to 45 deg to L.C.A.	1.	E. I	f_	1 . 1	1	t _ 1	ł
ł	Light, cream-coloured crystal meedles at 296.5 to 297.5 in sheared,	lt.	 =-	;	1		1	ł
1	a calcitic and chloritic section.	1	1.	l	1 .	}		1
l	1 304 to 305: light green and strong pervasive calcite.	ł	1		1			1
-	I No significant mineralization or veining.	1		;	1		; i	i •
i i		1	i 1	i 1	i	i I	; ;	i 1
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CLAII DRIEI LOGGI	RTY NUMBE NTATION ED BY	.TONAPAH RESOURCESTOWNSHIPHUFFMANR. ProfitBit Collar CO-ORDINATESL 36+00E; 34IAZI150 DEGDRILL COMPANYCORE SIZEBQR. NORMANCORE SIZEBQCORE LOCATIONSCOTT H/	+75N AULAGE,	TINNINS	START	HOLE Total I Shi	#8 LENGTH. EET # FIN	B-3 326 (1	FEET
F001	TAGE	DESCRIPTION	 	SANP	ASSAY				
0	to		: no.	1 from	t o	llength		1	
<u>.</u>	35 0	Cacina Averburden	 	1-1-2284	119:6-8	10100	CAL SI	AVEY	
	33.01	casing over but ben	:		ASSES 1	SMEN	T FILE	s	;
5.0	213.5	Mafic Volcanics:	1		1		i.	:	!
		Fine to medium grained basalt; light green.	1	1	I AH	\$ 2.5	11982	1 - J	1
		Strongly calcitic with calcitic stringers and veinlets; calcite also	1	H.	1	I NO	1000	1	1
		healing fractured zones; pervasive calcite locally.	ł	H .		1	1	: [1
		Chloritic in bands and fractures in places; Quartz-calcite veins	!	1		IEIN	VEC		1
		occasionally throughout up to 2 inches thick and 40 deg. to L.C.A.		1			1 1	ne namena di .	1
i	i i	Strongly tollated with calcite bands and butt-colour alteration	i 20023 - 1	i/6./	;/¥₊/⊹ +	i 3.0 I	i 1	i :	i 1
1		Cankerste?/ from //./ to /3.3, with a new specks of pyrite.	1 !	1 1	1 !	4. 1	• !	1. 1	1 !
		Accessional linky coloured buds with associated quartz-calcite veining	1 !	• !		• • •	• !		•
		nav nark individual flows nargins.		1		:	:		i
		Foliation and banding 15 deg. to 25 deg. to L.C.A. generally.	}	1	1	•		1	
1		136.8 to 137.8: Quartz-calcite vein with a few blebs on	ļ	ł.	l	:	ł	ł	ł
	: :	pyrite-pyrrhotite and slivers of wall rock.	1	ł	1	1	1	:	ł
		Abundant bands of calcite in well foliated volcanics from 209.2 to	ł	1	1		1	1	1
		213.5. Last one foot is reworked and well banded with 1% blebs of	20024	211.3	1213.5	2.2	1	1	1
		pyrite.		1	1		1	1	1
		Out-contact 15 deg. to L.C.A.		1	le car	1		1	
-	1 1001 E1	Constitute Padianatas	;	1	1	;	;	1	1
13, J	201.31	Diack to black-means bands of guarta-caliste throughout as well as	i]	1 1	1 1 -	i 1	i I	i I	i I
	· ·	ctrinners and vices boling fractures pervasive calcite locally.	+ !	1	1	1 !	! !	1	1
		233.5 to 235.0: 2 quartz veins un to 5 inches thick with trace avrite	20026	1227.5	1233.5		1	1	1
			20025	1233.5	1236.0	1 2.5		1	
		Badly broken and missing core 256 to 267.	1	1			1	1	l
		228.0 to 235.0: occasional thin (1 to 2 am) primary pyrite-pyrrhotite	I	1.	1 · · · ·	:	1	ł	1
	}	bands; some secondary sulphides (pyrite and trace chalocpyrite) fills	la a	-	1	! -	. .	1 -	ľ.,
		fractures locally.	1	1		1	1	1	1
1		236.8 to 239.5: strongly brecciated zone; frequent blebs of pyrite.	120027	1236.8	1239.5	2.7	1	1	1
1		2/6.0 to 201.0: 3 to 5% bands of primary pyrite (trace chalcopyrite)	120028	iZ/5.8	1281.5	i 4.7 1	i	.i .i	i 1
i	i	uu+=cuisacis ij fu zv ukų, fo L.C.A.	н н	1 1	1	4) 1	1 1	1 1	۱ 1
31.5	326	Conclomerate-Grevwacke (Minoralized Zone):			1	1	•	1	i
		Conglomerate from 281.5 to 310.5 with large clasts (up to 10 cm) in a							1
		quartz-feldspar greywacke matrix. Light apple-green in colour	1	1	La construction of the second se	-	1	l.	1
		generally but from 291.0 to 301.0 it consists of buff coloured clasts	1		350CI	ATIO		1	
		in a grey, siliceous matrix; blue quartz-grains locally; weakly	1	$\langle \rangle$	1	\sim	6	1	1
ł		sericitic.	1	31		ل سل	in 1	1	I.
1		Beyond 310.5 to 326: fine grained, well banded and foliated buff-	! 	5.	NORM	N, M.SC	5	1	1
ł		coloured greywacke (ankerite?) weakly sericitic.	! \	2m. L	1	-	13	1	1
Ì		Strongly siliceous throughout; calcitic veinlets and stringers also	1	195			12	1	1
Ì		throughout.	: /	X2		1.	Ζ.	1 1	i I
ì	i 1		; []	1 m	FELL	OW	r . ' !	•	1
i	i 1		; V	1	1	1	• {	1	•
	•		1 *	•	•	•	•	•	•

PF TOWNSHIP HOLE CLAIH NUMBER DIP COLLAR CO-DRDINATES TOTAL LE DRIENTATION AZI DRILL COMPANY SHEE LOGGED BY CORE SIZE CORE LOCATION START								
FOOTAGE	DTAGE DESCRIPTION			SAMPLE				
from to		no.	from	l to	length			 1
	 201.5 to 326: Continued; Mineralization: Mineralization consists of 5 to 10% disseminated to massive bands and stringers of sulphides-predominantly pyrite to 286 than pyrrhotite predominates to 310.5. Trace chalcopyrite locally. Mineralization essentially ends beyond 310.5 in the fine grained, buff greywacke. One section 315 to 316 of 5% pyrite-pyrrhotite in stringers. 304 to 306.8: White bull-quartz vein with greyish patches-no mineralization; a few specks of sericite. END OF HOLE. 	20029 20030 20031 20032 20034 20035 20036 20037 20038 20039	281.5 1283.0 1286.0 1291.0 1296.0 1301.0 1304.0 (NDTE: 1309.2 1314.3 1319.1 1323.7	1283.0 1286.0 1291.0 1296.0 1304.0 1306.8 306.8 1314.3 1319.1 1323.7 1326.0	1.5 3.0 5.0 5.0 3.0 2.8 309.2 5.1 4.8 4.6 2.3	Previou	ısly Sp	



LAI RIE 066	TY N NUMBE NTATION ED BY	.TONAPAH RESDURCES TOWNSHIPHUFFMAN R.P.(0/3800 (DIP45 DEG COLLAR CO-ORDINATESL 44+ODE; 0 N AZI360 DEG DRILL COMPANY R. NORMAN CORE SIZEBQ CORE LOCATIONSCOTT H	+60S AULAGE,	TINNINS	START	HOL TOTAL L She	E # Ength. Et # Fin	. 89-4 486 1 	FEE1
F00	DTAGE DESCRIPTION SAMPLE							ASSAY	***
08	to ;	-**********************************	' no.	from	i to	llength		 	
0	31.0	Casing-Overburden	' 					' }	'
		l de la companya de l	1	I ONL	Likio (a)	IOLOOK	AL SU	BVEY	1
.0	: 239 . 9;	RailC FLOWS:	1	ii A	USES:	SMENT	FILE	\$	i 1
	i i 1 1	Fine to medium grained basait; medium to light green; dark green and	i 1		i (3FFICE			i 1
	1 i 1 I	moderately to strongly infortici from JLV to JD.V.	1 1	N/ L	1 1 AHE	1 I I 1987 - 1	looo		1
	1 1 1 1	Abundant working to chronoly calcitic-cilicoous bands, uniclots and	1	3	• AUE •	449	988		1. 1
	• •	stringers throughout Pervasive calcite locally	1 1		• !	1 1			1
	· ·	Sorral sinor unsignatived quarta-calcite veige occur throughout		[R	ΈC	EIM	FD		;
	· ·	40% quarty-carbonate voinion with light croam matches 91.8 to 93.0-	• •	1.	1		a the constraint sector		ì
		cianificant aineralization.	• •	1	•	1		1	i
		124 to 129.5: A couple of dark green tuffaceous units with fine black	120003			12.0		1	1
		crystal framents and minor fine sulphides. Strongly foliated with	20004	1126.8	129.5	1 2.7		1	Ì
		siliceous and calcitic bands.	1	1	1	1		ł	1
		156.5 to 158.5: fine grained, dark-green, chloritic-vell foliated.	1	1	Ì	1		ł	İ.
		Ninor rusty oxidation along fractures as 173.5.	1	1	l	1.		1	1
		Tuffaceous (vaque cherty banding at 199.8)	l	1	Ì	1		:	1
	1 1	223 to 226: fine grained to aphanitic: dark apple-green: siliceous:	20005	:227.5	1230.5	1 3.0	1	1	1
		probably flow top.	120006	1230.5	1232.3	: 1.8	}	1	1
		232.2 to 239.9: buff-coloured volcanics (ankeritic?); tuffaceous	120007	1232.3	237.1	14.8		1	1
		locally: green 235.0 to 237.6.	120008	1237.1	1239.9	1 2.8	}	;	1
	1	A few blebs of pyrite at 239.6.	1	1	l.	1		1	1
		Fine grained foliated and locally veined zones may mark individual	1	1	1	1	l	1	1
		flow margins.	1	1	ł	1		1	ł
		NOTE: that foliation and banding ranges from 60 deg. to L.C.A. at	I	1.	1	1	}	1	
		the beginning of hole to 85 deg. to 90 deg at 160 feet.	1	1	1	1	1	1.0	ł
		Mineralization:	1	1	1	1		1	ł
		34.0 to 36.0: Chloritic with a few specks of pyrite-chalcopyrite in	20001	131.0	134.0	1 3.0	•	1	1
		thin, grey-white quartz veins (up to 1 inch in thickness). Veins 60	120002	134.0	136.0	1 2.0		ł.,	1
		to 70 deg. to L.C.A.	ł	1	1	1	1	1	Ι.
			1	1	1	1		1	ł
9.9	240,5	Massive Sulphides:	1	1	1	1	1	1	1
		Massive pyrite-pyrrhotite (80% sulphides) with grey, sugary matrix;	20009	1239.9	1240.9	1 1.0			l
		strongly aagnetic; trace shalcopyrite.	1	1	1	l		1	
			1	I	1			1	1
0.5	:247.01	Congloserate:	1	1	1	i	i	i I	i
	i . ·	natrix-supported, large butt-coloured volcanic clasts; flattened in a	120010	1240.9	1047 4	1 J.D	i I	i I	i a
	i 	coarse grained quartz-teldspar greywacke matrix that is dark grey in	120011	i 244.3	iZ4/.U	1 2.3) 	1 1	1 1
	i	COLOUR.	i N	ا ا	1. c00	ATIA		1	1
	i i	Minor sparse sulphides; 1/2 inch band of pyrite at 24/.	i		13,00			i	1
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PROFILE CLAIM DRIEN LOGGE	RTY I NUMBE ITATION D BY	TOWNSHIP R DIP COLLAR CO-ORDINATES AZI DRILL COMPANY CORE SIZE CORE LOCATION			START	HOL Total L She	E # ENGTH ET # FIN.	88-4 2
F001	A6E	DESCRIPTION	1	SAMP		I ASSAY		
on	to		' no.	from	to	llength		
17.0	310.8 310.8	Graphitic Sediments: Dark-grey to black; argillitic locally; well banded and layered B0 deg. to L.C.A. Strongly graphitic; strongly magnetic with disseminated to massive primary pyrite-pyrrhotite in thin bands locally; up to 5% sulphides in places. Coarse grained greywacke 252.7 to 260.1 with quartz and feldspar to 256. Fine grained silty argillite from 256 to 260.1. Abundant calcitic bands, stringers and veinlets beyond 290.		 247 271.0 292.0 	 252.7 274.0 294.0	5.7 3.0 2.0		
1		Fault gouge and breccia 296 to 300. Out-contact 60-65 deg. to L.C.A.	20015	1308.0	: :310.8	1 2.8 1	1	
	486.0; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	<pre>Mafic Volcanics: As 31.0 to 239.9: Fine to medium grained basalt; light green (grey-green locally). Abundant calcitic-siliceous bands and anastomosing hairline stringers throughout; Fracture zones locally throughout are healed by siliceous-calcitic material. Fairly abundant white quartz-calcite veins throughout (1 to 2 inches thick) at 55 deg. to 85 deg. to L.C.A. Occasional vein with rare specks of pyrite and chalcopyrite (e.g. at 370.3). Largest quartz-calcite vein occurs at 448.5 to 449.0 with a few specks of pyrite-pyrrhotite. Strongly calcitic in patches. Other minor veins between 449.0 to 451.2. Dark green, chloritic bands locally, particularly beyond 375.</pre>	: 20017 20017 20018 20019 20020 20021 20022	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1370.3 1408.5 1466.5 1451.2 1475.3 1480.1	1 1 1 2.5 1 2.5 1 2.5 1 3.5 1 2.7 1 4.9 1 4.8 1 4.8		
		END OF HOLE.						
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DIAMOND DRILL RECORD





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District Relating Borting of Constraints Relation of the second secon	Manual Work		1013706 70 10	13794 40		
Dampared Ap, other Data 1 PC 3 J PC PC 3 J PC <td< td=""><td>Shaft Sinking Drifting of other Lateral Work.</td><td>1013777 60</td><td>10/3/8/ 40 10/</td><td>3795 40</td></td<>	Shaft Sinking Drifting of other Lateral Work.	1013777 60	10/3/8/ 40 10/	3795 40		
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Binsmanne or other Care grining and survey 2013283 4.0 2013287 70 2013287 70 Land Survey 2013287 4.0 2013287 4.0 2013287 70 2013287 70 All the work was performed on Mining Glainfal: 0.1013794 6.0 2013795 70 2013787 70 All the work was performed on Mining Glainfal: 0.1013794 6.0 1013795 - PL013801 Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) * Chanked Ass PER DISCLOSSION WITH ORVILLE HICKS AUGUST 15,198 R.R. *2 SRPORT Krand Datation C Datation C Bobbin All G.R. *2 SRPORT Krand Tommand Charlow Datation C Bobbin All G.R. *2 SRPORT Krand Tommand Charlow Datation C Bobbin All G.R. *2 SRPORT Krand Tommand Charlow Datation C Bobbin All G.R. *2 SRPORT Krand Tommand Charlow Datation C Bobbin All G.R. *2 SRPORT Krand Tommand Charlow Datation C Datation C Datation C All G.R. *2 <t< td=""><td>Power Stripping</td><td>1013/81 60</td><td>181 3387 48 10</td><td>13797 70</td></t<>	Power Stripping	1013/81 60	181 3387 48 10	13797 70		
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All the work was performed on Mining Claim(1: P. 10/3794 – P/0/395 – P/0/380/ tequired Information Mining Claim(1: P. 10/3794 – P/0/395 – P/0/380/ tequired Information is type of equipment, Names, Addresses, etc. (See Table Below) # CHANGED AS PER DISCUSSION WITH ORVILLE HICKS AUGUST 15,198 Bioding Record Approach Deville ATD R.R. * 2 BRPORT Road, Turmines Chargero P4w 7C3 Market 17/88 Aperiod, Turmines Chargero P4w 7C3 Market 17/88 Aperiod Different Market OWN ASSESSMENT FILES OFFICE AUG 2.5 1988 R E C E I V E D JUN 2.8 1988 Certification Verifying Report of Work I here yeards that have a parsonal and intense knowledge of the facts at forth in the Report of Work annexed hereto, having performed the work or witnesed same during and/or fafer its completion and the annexed report is true. Numgand Rotal Acares of Articles Art Market Markets Actives Contract of Work annexed hereto, having performed the work or witnesed same during and/or fafer its completion and the Annexed report of Work annexed hereto, having performed the work or witnesed same during and/or fafer its completion and the Annexed report is true. Numgand Rotal Acares of Art 2 - 15 Sea States Tweet Markets Acares Chargero Acare Markets A - 1493 Data Cartified Y (Bignature) Type of work Seatific Information (Attachments Required by the Mining Recorder Type of work Seatific Information and or at an one of a sequences and addresses of men wong performed manual work (Soperator 4 equipment, topethar with dess and hours of environ and the seatific I diam boot. Based addresses of one wong organizor there internation of attrue cost must be submitted with dess and hours of environ market is addresse of one wong organizor there internation and angle of hours. Internation Conternation for attrue for any one performed there work of	Land Survey	10/3784 10	$\frac{1013791}{10}$ 70 10	377 70		
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Date of Report Junc 24/68 Recorder Holder or Agent (Mansture) Junc 24/68 Certification Verifying Report of Work I hereby cartify 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 Postal Address of Person Cartifying Name and Postal Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Date Address of Person Cartifying Cartified Increase Cartified yr (Signature) Address of Person Cartifying Date Address of Person Cartifying Cartified yr (Signature) Fable of Information/Attachments Required by the Mining Recorder Comment of the mass of men who performed manual work / operated equipment, together with dates and hours of employment. Work Sketch: these are required to show the location and extent of the names of addresses of owner or operator to the names are claim post. Renual Work Nil Names and addresses of owner or operator to the names of addresses of owner or operator together with dates when drilling/stripping done. Work Sketch (as above) in duplicate Diamond or other core <t< th=""><th>March 17/55</th><th>APRIL 1/89 CINTARIO DIVISION CENVED IN 881000 R E</th><th>CEIVED</th><th>R D E D 8 1988</th></t<>	March 17/55	APRIL 1/89 CINTARIO DIVISION CENVED IN 881000 R E	CEIVED	R D E D 8 1988		
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 Postal Address of Person Certifying Cartified Interest Certified Manual Mark Fable of Information/Attachments Required by the Mining Recorder Type of Work Specific information per type Other information (Common to 2 or more types) Attachments Manual Work Shaft Sinking, Drifting or other Lateral Work Note: Proor of actual cost must be submitted with dates and hours of employment, together with dates when drilling/stripping Diamond or other core Signed core log showing; footage, diameter of core, number and angles of holes. Land Survey Name and address of Ontario land surveyer.			Date of Report Recorder Hold	er or Agent (Signature)		
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 seme during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying Image of the completion and the annexed report is true. Name and Postal Address of Person Certifying Image of the completion and the annexed report is true. Name and Postal Address of Person Certifying Image of the completion and the annexed report is true. Name and Postal Address of Person Certifying Image of the completion and the annexed report is true. Name and Postal Address of Person Certifying Image of the completion of the completion and the annexed report of Work and the completion of t	Certification Verifying Por	port of Work	Huns 24/88 Chil	Alich ,		
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Land Survey Name and address of Ontario land surveyer. Nil Nil	Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	dene.	Work Sketch (as above) in duplicate		
	Land Survey	Name and address of Ontario land surveyer.	Nil	Nil		

Ministry of Report Instructions -Supply required data on a separate form for each DOCUMENT NO. Northern Development type of work to be recorded (see table below). of Work and Mines For Geo-technical work use form no. 1362 "Report 8808 2 3 of Work (Geological, Geophysical, Geochemical and Expenditures)". Mining Act HUFFMAN TWP. Prospector's Licence No. AGE ZOFZ Name alter Postal Address of Recorded Holder 4957 TONOPAH KESOURCRS UTE 1258-409 GRANVILLE ST VANCOUVER BRITISH COLUMBIA V6C-1T2 Summary of Work Performance and Distribution of Credits Total Work Days Cr. claimed Mining Claim Work Mining Claim Work Mining Claim Work Days Cr. Days Cr. Prefix Number Prefix Days Cr. Number Prefix Number 1200 for Performance of the following 1013801 40 1013809 20 work. (Check one only) 1013802 40 20 1013880 Manual Work 40 1013803 Shaft Sinking Drifting or other Lateral Work. 1013811 10 1013804 40 Compressed Air, other Power driven or mechanical equip. 101380 40 Power Stripping 1013806 40 Diamond or other Core 1013807 40 drilling Land Survey 1013808 40 All the work was performed on Mining Claim(s): ρ_- 1013794 — $P_1013795$ — $P_1013801$ Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) B.Q. WIRELINE DIAMOND DRILL FRONTIER DIAMOND DRILLING LTD R.R. #2 AIRPORT ROAD, TIMMINS ChATBRID PHN 703 MORCH 17/88 APPIL 1/88 RECORDED JUN 28**1988** JUN 28 1988 24/88 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 Postal Address of Person Certifying APT 2-15 ELM STREET NORTH P4N 6E3 ULLE 4-1493 Fable of Information / Attachments Required by the Mining Recorder Type of Work Other information (Common to 2 or more types) Attachments Specific information per type Manual Work Nil Names and addresses of men who performed Shaft Sinking, Drifting or Work Sketch: these other Lateral Work manual work/operated equipment, together are required to show with dates and hours of employment. the location and extent of work in Compressed air, other power Type of equipment driven or mechanical equip. relation to the nearest claim post. ype of equipment and amount expended. Note: Proof of actual cost must be submitted **Power Stripping** Names and addresses of owner or operator within 30 days of recording. together with dates when drilling/stripping done. Work Sketch (as Diamond or other core Signed core log showing; footage, diameter of above) in duplicate drilling core, number and angles of holes Nil Land Survey Nii Name and address of Ontario land surveyer 768 (85/12) e a



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