

*Geology Dept.*

# DIAMOND DRILL CORE RECORD

\* NOTE: A.C.I.O SURVEY RESULTS ON SHEET 14.

Hole Number..... **C.169**  
 Area of Operation..... **Cleveland Mine, Tas.**  
 Location..... **Level 7 West N section**  
 Co-ordinates of Collar..... **1882.4N 2858.7E**

Date Commenced..... **11/3/69** Completed..... **7/5/69**  
 Geological Logging by..... **R. Cox & R. Adams**  
 Core Recovery..... **975'2"/998'8"** **97.7%**  
 Drilled by..... **A.O.D.**

Collar R.L..... **1129**  
 Bearing of Hole..... **132°**  
 Angle of Hole..... **-60°**  
 Final Depth..... **998'8"** Core Size..... **2 1/2" wireline**

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Recovered	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis					
Zero	0'6"					-35°	0'6"	mg b shale			
0'6"	1'1"						0'7"	mg m sandstone			
1'1"	2'1"						5'10"	mg b shale			
2'1"	7'1"						4'0"	mg b chert.			
	7'54"	9'11"		1/2"	70°			0+2 - carb vein			
7'1"	11'6"						11'7"	mg b shale			
11'6"	24'9"	24'5"		0'8"				Flat vein of py + min cpy + pyrth + sph within qtz. carb.			
24'9"	26'4"					-26°	1'7"	mg m sandstone			
26'4"	26'11"					-34°	0'7"	mg b shale			
26'11"	27'11"						1'0"	mg m sandstone			
27'11"	32'5"						4'6"	mg b. shale			
32'5"	33'7"	33'9"		1/4"	71°		1'2"	mg m S.S			
33'7"	61'10"					-40° -36°	26'8"	vein of qtz - sph + minor tourm.			
61'10"	64'6"						2'8"	mg b shale.			
								mg m sandstone.			

Hole No. C 169 Sheet 2

FOOTAGE: From 64'6" To 182'10"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	Recovered			
64'6"	69'0" 21.03					50°	4'4"	mgb shale.		
69'0"	72'4" 22.04					37°-47°	3'4"	mgb shale with chert laminae		
72'4"	92'2" 28.09						19'10"	mg m sandstone		
92'2"	95'4" 29.06						3'2"	mgb shale.		
		72'4"		1/2"	32°			Q+2 vein with minor carb + chlor.		
		75'2"		2"	58°			Q+2 vein with minor carb + white mica		
		84'4"		1"	33°			Q+2 vein with minor chlor., carb, spy + sph.		
		85'10"		1/2"	56°			Q+2 - carb - chlor vein + minor sph.		
		87'1"		1"	42°			Q+2 - chlor. - carb vein		
		88'4"		1"	52°			Q+2 - carb - white mica vein.		
95'4"	97'2" 29.62						1'9"	mg m sandstone		
97'2"	148'8" 45.31					45°-65°	50'9"	mgb shale		
		144'9"		5"	35°			Q+2 - carb white mica vein.		
148'8"	156'0" 47.55						7'4"	mg m sandstone		
156'0"	157'0" 47.85						1'0"	mgb shale		
157'0"	175'6" 53.49						18'1"	mg m sandstone		
175'6"	<del>175'6"</del> 181'3" 55.36					55°	<del>17'11"</del> 5'8"	mgb shale		
181'3"	182'10" 55.78						1'5"	mgb chert.		

Hole No. C169 Sheet 3

FOOTAGE: From 182'10" To 334'9"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core Recovered	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis				
182'10"	57.16 187'6"						4'8"	mg b shale.		
		158'1"		3 1/4"	65°			Qtz vein		
		164'6"		2"	54°			Qtz-carb vein + cpy.		
187'6"	57.46 188'6"						1'0"	mg m sandstone		
188'6"	60.86 199'8"					30°-35°	12'0"	mg b shale		
199'8"	62.77 205'9"						6'1"	mg m sandstone		
205'9"	63.75 209'2"						3'5"	mg b shale.		
209'2"	64.61 210'0"						<del>8'0"</del> 10'0"	mg m sandstone		
210'0"	65.99 216'6"						6'6"	mg b shale.		
216'6"	78.18 256'6"					45°	40'0"	ditto		
		255'6"		4"	50°			massive pyunk + py + cpy in Qtz-carb = flat vein		
256'6"	83.18 272'9"						16'3"	mg m sandstone		
		266'6"		1 1/2"	50°			Qtz-chlorite vein.		
272'9"	102.03 334'9"						62'0"	mg b shale.		
		327'4"		1/8"	57°			Qtz-carb vein		
		327'11"		1/4"	60°			Qtz-carb vein		
		328'1"		1/8"	51°			Qtz-carb vein.		

Hole No. C169 Sheet 4

FOOTAGE: From 334'9" To 381'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core Recovered	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis				
334'9"	364'0"						2'9"	mgm sandstone		
		345'6"		3/4"	61°			Qtz-vein		
		351'7"		1/2"	59°			Qtz-carb + minor chlorite vein		
		353'2"		1/4"	56°			Qtz-carb - chlorite vein		
364'0"	369'4"						3'4"	mg b shale		
		361'6"		1/4"	58°			Qtz-carb vein with minor py		
		368'0"		1/4"	60°	-28°		Qtz-carb vein		
369'4"	370'6"					-24°	1'2"	mgm sandstone		
370'6"	371'0"					-38°	0'6"	mg b shale		
		370'10"		1/4"	54°			Qtz-carb vein		
371'0"	372'8"						1'8"	mgm sandstone		
372'8"	373'0"						0'4"	mg b shale		
		372'11"		1/4"	59°			Qtz-carb vein		
373'0"	373'10"						0'10"	mgm sandstone		
373'10"	375'5"						1'7"	mg b shale		
		374'4"		1/8"	52°			Qtz-carb vein		
375'5"	376'9"						1'2"	mg b chert		
376'9"	377'3"						0'6"	LODE = pyrrh + min py + py in Qtz-carb gangue. mg b shale		
377'3"	381'6"						5'9"			

Hole No. C169 Sheet 5

FOOTAGE: From 381'6" To 441'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE RECOVERED	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis			%Sn/ %Snc/ %Cu	
381'6"	118'11" 387'6"						6'0"	mgb shale		
		375'9"		1/4"	50°			Qtz-carb vein		
		376'0"		3/4"	10°			vein of Qtz + min fluorspar		
		387'4"		3/4"	53°			Qtz-carb vein		
387'6"	119'28" 391'4"						3'10"	mgb shale		
391'4"	122'97" 400'4"						9'0"	mgn SS.		
400'4"	122'110" 400'7"						0'3"	mgb chert.		
		391'8"		3/4"	73°			Qtz-vein		
400'7"	124'36" 408'0"					40°-50°	7'4"	mgb shale + chert laminae		
		395'11"		1/4"	24°			Qtz-carb-chlorite vein with minor cpy		
		396'6"		3/4"	60°			Qtz-carb-chlorite vein		
408'0"	125'123" 411'6"						3'6"	mgb shale		
411'6"	126'72" 414'9"		1.00				3'3"	mgb shale + chert laminae		
414'9"	128'147" 420'0"		1.82			35°-50°	6'0"	LODE = pyrrh + min cpy + py in Qtz-carbonaceous	1.09/1.07/0.43	
420'0"	128'147" 421'6"		0.23				0'9"	mgb chert.	2005 = 414'9" - 418'8" - 1.20	
421'6"	128'151" 421'10"		0.10				0'4"	ditto	2006 = 418'8" - 420'9" 0.62	
421'10"	131'52" 431'6"		2.95			35°-50°	9'8"	LODE = as per 2005	2.31/2.31/0.36	
431'6"	134'34" 440'9"		2.82			40°-50°	8'7"	LODE = ditto	1.77 { 2007 = 421'10" - 425'9" 0.18/0.13/0.34	
440'9"	134'51" 441'6"		0.23				0'8"	mgb chert	1.09 { 2008 = 425'9" - 429'8" 0.48/0.48/0.27	
									0.60 { 2009 = 429'6" - 431'6" 1.68/1.51/0.66	
									1.40 { 2010 = 431'6" - 436'2" 1.74/1.70/0.54	
									1.41 { 2011 = 436'2" - 440'9" 1.71/1.70/0.44	

NOTE: MINOR TOURMALINE IN LODE INTERSECTIONS BETWEEN 415 & 634ft

Hole No. C169 Sheet 6

FOOTAGE: From 441'6" To 506'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core Recovered	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis			%Sn <sub>1</sub> / %Sn <sub>2</sub> / %Cu	
441'6"	190.51 461'0"		5.97			40°-50°	19'6"	mg b chert.		
461'0"	170.74 461'9"		0.23				0'9"	ditto		
461'9"	193.31 470'2"		2.57				8'5"	100" LOOE = pyro + min. qpy + py in Qtz-carb gangue mg b chert	1.27 { 2012 = 461'9" - 465'9" 1.55/1.55/0.28	
470'2"	193.56 471'0"		0.25				0'10"		2013 = 465'9" - 470'2" 0.18/0.18/2.92 → 1.32	
		426'2"	9.02	1 1/2"	45°			Qtz - carb vein		
		444'0"	5.45	0'8"	50°			Qtz vein with minor carb. + pyro + py + qpy + sph + tourmal + aspy.		
471'0"	193.66 471'4"		0.10				0'4"	mg b chert.		
471'4"	195.36 476'11"		7.70				5'7"	70" LOOE = as per 2012	0.76 { 2014 = 471'4" - 473'10" 1.22/1.18/0.66	
476'11"	195.68 478'0"		0.32				1'1"		mg b chert	0.92 { 2015 = 473'10" - 476'11" 1.37/1.37/0.28
478'0"	196.91 482'0"		7.23				4'0"	ditto		
		479'0"	20.66	1/4"	53°			Qtz - carb - chlorite vein.		
482'0"	197.29 483'3"		0.38				1'3"	mg b chert.		
483'3"	198.29 486'6"		1.00			50°-60°	3'3"	46" LOOE = as per 2012.	0.99 { 2016 = 483'3" - 486'6" 0.92/0.92/0.22	
486'6"	151.33 496'6"		3.04				10'0"		LOOE = ditto	1.27 { 2017 = <del>486'6"</del> 486'6" - 490'6" 1.14/1.10/0.34
496'6"	151.68 497'8"		0.34				1'2"	LOOE = ditto	1.27 { 2018 = 490'6" - 494'6" 1.63/1.55/0.51	
497'8"	152.04 498'10"		0.71				1'1"	mg b chert.	0.97 { 2019 = 494'6" - 497'8" 2.20/2.14/0.38	
498'10"	153.24 502'9"		7.20				3'11"	LOOE = as per 2012.	1.77 { 2020 = 498'10" - 502'9" 1.84/1.82/0.28	
502'9"	154.38 506'6"		7.04				3'7"	mg b chert.		

Hole No. C 169 Sheet 7

FOOTAGE: From 506'6" To 565'9"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE RECOVERED	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis			% Sn / % Snc / % Cu	
5066	5096		0.91			45°-50°	3'0" } 100"	mgb chert		
5096	5166		4.32 L			50°-60°	7'0" } 100"	LODE = pyrrh + minor cp + py in Qtz-camb gangue	1.18	2023 = 5096" - 5135" 0.88/0.65/0.33
5166	5238						50°-60°	7'2" } 100"	LODE = ditto	0.94
5238	5246		6.53 M				0'10" } 80"	mgb chert.	1.21	2025 = 5166" - 5206" 1.34/1.34/0.30
5246	5356						40°-50°	10'11" } 100"	ditto	0.97
5356	5451		0.43 L			40°-55°	9'7" } 100"	ditto		
5451	5456							0'5" } 100"	LODE = as per 2023	0.42
5456	5466		2.21 M				1'0" } 40"	LODE = ditto		
5466	5496						45°-50°	3'0" } 40"	mgb chert.	
5496	5539		0.28 L				3'10" } 5'6"	ditto		
5539	5548							0'11" } 5'6"	LODE = as per 2023	0.29
5548	5556		0.66 M				0'9" } 10'11"	mgb chert.		
5556	55610							1'4" } 10'11"	ditto	
55610	5584		0.46				1'6" } 10'11"	LODE = as per 2023	0.49	2029 = 55610" - 5584" 1.92/1.92/0.45
5584	5659							7'3" } 10'11"	mgb chert.	

Hole No. C169

Sheet 8

FOOTAGE: From 565'9" To 615'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	Recovered			% Sm / % Sm / % Cu
565'9"	172.62 566'5"		2.46				0'8"	mg b chert		
566'5"	174.63 572'11"		1.99				6'6"	LODE = pyrom. + minor cpj + py in qtz-carb gangue	1.00 — 2030 = 566'5" - 569'8"	1.04 / 1.09 / 0.44
572'11"	179.75 573'4"		0.72				0'5"	mg b chert	2031 = 569'8" - 572'11"	1.48 / 1.48 / 0.30
573'4"	175.13 574'7"		0.38				1'3"	LODE = as per 2030	0.40	2032 = 573'4" - 574'7"
574'7"	175.56 576'0"		0.43				1'5"	mg b chert		1.15 / 1.01 / 0.34
576'0"	178.71 584'8"		2.65		45°-60°		8'8"	LODE = as per 2030	0.88	2050 = 576'0" - 578'11"
584'8"	179.31 585'0"		1.04				0'4"	mg b chert.	0.88	2051 = 578'11" - 581'10"
585'0"	179.29 588'1"				40°-50°		3'1"	ditto	0.85	2052 = 581'10" - 584'8"
588'1"	179.70 589'7"		0.45				1'6"	LODE = as per 2030	0.46	2053 = 588'1" - 589'7"
589'7"	180.99 592'2"		0.79				2'7"	mg b chert.		1.16 / 1.02 / 0.31
592'2"	180.75 593'0"		0.26				0'10"	LODE = as per 2030	0.24	2054 = 592'2" - 593'0"
593'0"	181.13 594'3"		0.38				1'3"	mg b chert.		7.82 / 7.27 / 0.32
594'3"	181.81 596'6"		0.76		35°-50°		2'3"	LODE = as per 2030	0.75	2055 = 594'3" - 596'6"
596'6"	181.89 596'9"						0'3"	LODE = ditto		1.82 / 1.80 / 0.35
596'9"	182.42 598'6"		0.53		50°-60°		1'9"	mg b chert.		
598'6"	184.61 605'8"		2.19		30°-40°		7'2"	LODE = as per 2030.	1.10	2056 = 598'6" - 602'1"
605'8"	185.47 608'6"		0.86		30°-40°		2'10"	mg b chert.	1.07	2057 = 602'1" - 605'8"
608'6"	187.95 615'0"		1.98		40°-58°		6'6"	LODE = as per 2030.	0.99	2058 = 608'6" - 611'9"
615'0"	187.66 615'6"						0'1"	ditto	0.99	2059 = 611'9" - 615'6"

Hole No. C169 Sheet 9

FOOTAGE: From 615'6" To 697'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	RECOVERED			
615'6"	190-519 6250	}	4.24			50°-55°	0'6"	mgb chert.		
6250	191-69 62811						0'6"			
62811	192-15 6305		0.462				1'6"	LODE = pyph + minor qtz + py in qtz-carb gangue. 2061 = 62811" - 6305"	0.462	2.55/12.25/0.03
6305	192-78 63010		0.23			0'5"	mgb chert.			
63010	193-34 6344		1.06				3'6"	LODE = as per 2061	1.07	2062 = 63010" - 6344"
6344	193-56 6350						0'8"	mgb chert.		
		6333"		0'3"	60°			qtz vein + minor carb + chlorite with small central nug.		
6350	196-21 6439						8'7"	mgb chert.		
6439	197-66 6486						4'10"	mgb cherty-shale.		
		646'5"		1/2"	51°			qtz-carb vein		
6486	198-12 6500						1'5"	mgb chert.		
6500	199-03 6536						2'6"	mgb cherty-shale		
6530	205-66 6749						2'3"	mgb shale		
		65311"		1/4"	29°			qtz-carb + minor pyph vein.		
		655'0"		1/4"	44°			qtz-carb vein		
6749	210-90 6911					-36°	16'6"	m g m Sandstone		
		679'5"		1/8"	42°			qtz-carb vein		
6911	211-63 6943						2'3"	mgb shale.		
6943	212-66 6976						3'1"	m g m Sandstone		

Hole No. C 169 Sheet 10

FOOTAGE: From 697'6" To 756'0"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE RECOVERED	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis				
697'6"	213.21" 699'6"						1'10"	mgb shale		
699'6"	214.43" 703'6"	21.29					4'0"	mgb cherty shale mgb chert.	7'6"	
703'6"	214.63" 704'2"						0'8"			
704'2"	215.49" 707'0"						2'10"			
707'0"	217.78" 714'6"	3.15					7'6"	LODE = pyrrh + py + minor cpy in qtz-carb gangue. LODE = ditto	9'0"	chertite + gangue A } 0.86 1.14 } 2063 = 704'2" - 707'0" 1.14 } 2064 = 707'0" - 710'9" 1.2 } 2065 = 710'9" - 714'6" 0.56/0.54/0.34
714'6"	218.08" 715'6"						1'0"			
715'6"	218.79" 716'0"	0.25					0'6"	LODE = py + minor pyrrh + cpy in qtz-carb gangue LODE = ditto	9'0"	chertite + gangue } 2066 = 715'6" - 716'4" 0.25 ← 0.5 0.75/0.65/0.34
716'0"	218.33" 716'4"						0'4"			
716'4"	219.51" 720'2"						3'10"	mgb chert. mgb shale. mgn sandstone	9'0"	214.63 - 218.33 = 0.30 = 0.28 = 0.21 3.70
720'2"	219.78" 720'11"						0'9"			
720'11"	220.54" 723'7"						2'8"			
723'7"	220.98" 725'0"	721'8"				39°	1'5"	Q+2-carb + cpy vein. mgb shale.		(704'2" - 707'0") = 0.10 = 0.09 = 0.08 214.63 - 215.49 (0.86)
725'0"	222.81" 731'0"						5'7"			
731'0"	223.11" 732'0"	754'10"				34°	1'0"	mgb shale + minor chert laminae mgb shale.		216.64 - 217.78 = 0.56 = 0.54 = 0.34 (1.14)
732'0"	230.43" 756'0"						24'0"			
								Q+2-carb + cpy vein.		218.08 - 218.33 = 0.75 = 0.65 = 0.34 (0.25)

Hole No. C.169 Sheet 11

FOOTAGE: From 756'0" To 819'4"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	RECOVERED			
756'0"	234.65 769'10"					45°-55°	13'10"	m.g. b. shale.		
769'10"	235.00 771'0"						1'2"	m.g. b. chert		
771'0"	235.46 772'6"						1'6"	m.g. and grey-brown banded shales		
		772'7"		1/8"	53°			Q+2 - carb - chlorite + py + pyrrh vein.		
772'6"	242.77 796'6"					45°-60°	2'4"	m.g. to light brown banded shales (Very broken core 793' - 796'6")	241.7 242.8	
796'6"	243.23 798'0"						1'4"	buff colored banded shales (1/2" clay gouge at 798' - fault? and chert.		
798'0"	245.36 805'0"					40°-50°	7'0"	gray, buff and brown shales		
		804'1"		1/2"	220			Q+2 + minor carb vein		
		804'7"		1/8"	63°			Q+2 - pyrrh chlorite vein		
805'0"	247.19 811'0"					45°-50°	6'0"	chert b. shales with buff colored banding		
811'0"	247.75 812'10"					45°-50°	1'10"	gray-brown shale		
812'10"	248.91 815'0"						2'2"	buff and grey chert		
815'0"	249.02 817'0"						2'0"	m.g. b. shale		
		814'6"		1/4"	62°			Q+2 - vein		
		815'3"		~1"	~70°			Q+2 vein + trace pyrrh & chlorite		
		816'8"		?	66°			Q+2 - vein		
817'0"	249.72 819'4"						2'4"	m.g. b. shale		
		818'0"		1/4"	60°			Q+2 - vein		

Hole No. C169 Sheet 12

FOOTAGE: From 819'4" To 911'6"

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE RECOVERED.	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis				
819'4"	250.59 822'2"						2'10"	m.g., buff and light brown clents.		
		820'0"		1/2"	52°			fluorite - sericite vein.		
		820'8"		2"	63°			Qtz. vein.		
822'2"	252.97 828'4"						6'2"	brown and buff shales showing banded & replaced texture		
828'4"	258.32 847'0"					50°-55°	16'1"	grey and buff banded shales. (core broken between 836' & 841')		
		832'5"		1/4"	22°			Qtz - carb vein with minor pyrite		
		837'4"		1/4"	33°			Qtz - chlorite vein		
		844'3"		1/4"	46°			Sericite vein.		
		847'1"		1/4"	34°			Qtz - feldspar (?) vein		
847'6"	267.36 877'2"					45°-60°	27'8"	light grey, buff and light brown banded shales. (core very broken around 877' + clay = probable fault)		
		858'2"		1/4"	52°			Qtz. vein		
		876'6"		1"	40°			Qtz vein + trace sulphides		
877'2"	274.18 900'3"					40°-50°	13'8"	dark grey and purple-grey shales.		
		889'11"		1/4"	52°			cpy vein		
		890'4"		1/4"	45°			Qtz - carb vein		
		891'1"		1/4"	35°			Qtz - vein		
900'3"	277.83 911'6"			1/2"	irregular		11'0"	Qtz - carb vein + trace cpy dark green & grey shales.		

Hole No. C169 Sheet 13

FOOTAGE: From 911'6" To 965'3" Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	RECOVERED			
		901'4"		1/8"	58°			Qtz - pyrox - chlorite - qtz vein		
		902'10"		1/8"	51°			ditto		
		909'10"		1/4"	53°			carb - Qtz - sericite		
		910'9"		1/4"	54°			Mica - carb vein		
911'6"	284.89" 934'8"					25°-35°	23'0"	mg. & d.g. banded shales		
		918'10"		1/4"	42°			Carb vein with minor py (=probable fault)		
		925'5"		1/8"	72°			Qtz vein		
		926'10"		1/4"	58°			Ilmenite - chlorite - qtz vein + minor varied sulphides		
		928'10"		1/4"	10°			Qtz - qtz - Wollastonite		
934'8"	286.114" 935'6"					28°	0'10"	grey - brown bedded tuff (?) + irregular patches py + mica shales		
935'6"	285.29" 936'0"						0'6"	grey - brown bedded shale or tuff (?) irregular veins Qtz + minor		
936'0"	285.78" 937'7"						1'6"	alt. fine grained basic volcanics + irregular patches and abundant py + py.		
937'7"	287.15" 942'1"						4'6"	fine grained olive green basic volcanics + some phenocrysts pyroxene (?)		
942'1"	292.63" 960'1"						18'0"	dark green grey massive basic volcanics		
		952'7"		2"	-			Zone of bleached and altered B.V. = probable fault.		
960'1"	294.21" 965'3"						5'2"	green grey irregularly banded shales and tuffs.		
		961'0"		1/2"	58°			Qtz - qtz vein		
		963'2"		1 1/2"	70°			Irregular Qtz - qtz - pyrox vein.		

Hole No. C169 Sheet 14

FOOTAGE: From 965'3" To 998'11"  
Ex. 62417 (D) (END)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	CORE	DESCRIPTION	SAMPLE DATA	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	RECOVERED			
965'3"	297.09 974'5"						9'2"	dark green-gray massive basic Volcanics. gray-brown fine grained tuff.		
974'5"	297.89 977'6"						3'1"			
		974'0"		3"	42°			Qtz-chlorite-fluorite vein with minor sulphides.		
		976'10"		1/4"	17°			Qtz-chlorite vein with minor sulphides.		
		977'6"		1/4"	17°			Qtz-chlorite vein.		
977'6"	303.73 996'6"					36°	18'4"	banded choc. b. gray and some buff shales.		
		994'6"		1"	5°			Qtz vein		
		996'2"		1"	53°			Qtz-vein.		
996'6"	304.89 998'8"						2'2"	banded brown & gray shales.		
	304.39 998'8"	END OF D.D.H. No. C169.								

ACID SURVEYS

FOOTAGE	RESULT
100 #	55°
200 #	56°
300 #	56 1/2°
400 #	46 1/2°
500 #	46°
600 #	46 1/2°
700 #	43°
800 #	41 1/2°
900 #	39 1/2°
990 #	38 1/2°

ABMINCO N.L. - Cleveland Mine

Hole No. C169

Sheet No. /

DIAMOND DRILL HOLE DATA

PROGRAM DATA				SURVEY DATA				INTERPOLATED DATA		
				Instrument Type	Depth	Dip	Azimuth	Depth	Dip	Azimuth
1	Attitude	- CHS	(+) (-)	Acid	0	60°	132	0	60	132
					30.48	55		12.5	58.5	
2	Hole No.	169			60.96	56		37.5	54.8	
					91.44	56.5		62.5	52	
3	Down Hole Interval	25			121.92	46.5		87.5	49.8	
					152.40	46		112.5	47.8	
4	Collar	15573.76	N		182.88	46.5		137.5	46.3	
					213.36	43		162.5	48.2	
5	Co-ords.	10871.33	E		243.84	41.5		187.5	48.2	
					274.32	39.5		212.5	43	
6	Collar R.L.	344.12			301.75	38.5		237.5	41.8	
								262.5	40.2	
7	Halls Sect. N	15563.26	N					287.5	39	
								312.5	38.3	
8	Intersect Point	10880.59	E							
9	Battery Sect.		N							
10	Intersect. Point		E							
11	Start Plot (Depth)	0	ϕ = Collar							

