DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc-84-54 LENGTH: 183.80 meters
LOCATION:
LATITUDE: 9 + 00 E DEPARTURE: 1 + 21 S
ELEVATION: AZIMUTH: 344° DIP: -70°
STARTED: January 31, 1984 FINISHED: February 3, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°		152.60	-65°	
45.70	-68°		183.00	-62°	
91.40	-66°				

HOLE NO. Mc-84-54 SHEET NO. 1 OF 6
REMARKS: Casing Pulled

LOGGED BY: Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	7.30	CASING									
7.30	14.28	BASALT Coarse grained, center of a flow, dark green. Massive, very homogeneous, chloritized, 10% epidote as small specks (less than 1mm in size). Few, very narrow quartz-carbonate veinlets, 1-3mm wide, 10-20° to core axis. Trace pyrite.									
14.28	22.87	FLOW BRECCIA Medium to light green, fine grained, brecciated fragments; 0.5-2cm in diameter, sub-angular, with argillaceous material inside the fractures. Slightly chloritized and carbonated. Trace to 2% pyrite in disseminated cubes. 16.80 - 18.92: more brecciated, 1% pyrite, 5% quartz-carbonate stringers and amygdules. 19.12 - 20.73: Fault Zone - broken core, 0.6m ground; trace pyrite. 20.73 - 22.58: 10-15% quartz-carbonate stringers, 2% pyrite.	5001	tr	16.80	17.95	1.15			0.01	
			5002	1	17.95	18.92	0.97			0.01	
			5003	1	18.92	19.50	0.58			0.01	
			5004	2	19.50	20.73	1.23	(actual 0.73)		0.01	
			5005	2	20.73	21.58	0.85			0.01	
			5006	2	21.58	22.58	1.00			0.01	
22.87	70.82	BASALT Massive flows, medium green, fine to very fine grained, very uniform. 5% carbonate veinlets and amygdules (elongated), 20-50° to core axis. There are many flows in the sequence marked by sharp quartz-carbonate filled contacts, 30-50° to core axis. 24.80 - 25.47: flow breccia. 26.00 - 26.82: brecciated, 30% quartz-carbonate, 8% pyrite. 27.00 - 27.82: quartz-carbonate stringers, 5° to core axis, epidote.	5007		26.00	26.82	0.82			tr.	
			5008		28.87	29.61	0.74			tr.	
			5009		30.30	31.27	0.97			tr.	
			5010		32.47	33.32	0.85			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-54 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		28.87 - 29.61: slightly brecciated, quartz-carbonate veining at 45° to core axis; 4% pyrite, trace hematite.	5011		33.32	34.16	0.84			tr.	
		29.17 - 29.32: 15% coarse pyrite.	5012		37.80	38.69	0.89			tr.	
		30.30 - 31.27: slightly brecciated, 10% quartz-carbonate veinlets.									
		30.38 - 30.52: 50% quartz-carbonate, 10% pyrite.	5013		43.47	43.91	0.44			tr.	
		32.47 - 34.16: Fault Zone - heavily broken core.									
		32.92-33.32: quartz vein with a few basalt xenoliths, 15% carbonate, mostly barren.	5014		65.93	66.44	0.51			tr.	
		37.80 - 38.69: quartz-carbonate veins, 1cm wide, parallel to core axis, not mineralized.									
		43.60 - 43.87: quartz-carbonate veinlets, 70° to core axis, 2% pyrite.									
		65.93 - 66.44: quartz-carbonate veining, parallel to core axis, pinkish in colour.									
70.82	89.10	BASALT									
		Coarse grained, gradational contact with the adjoining units becoming coarser from 70.82-73.69 and finer from 87.50-89.10 m. The coarse grains are up to 7mm in diameter, very homogeneous, massive; 5% quartz-carbonate stringers, 30-50° to core axis, 5-10% epidote. The center of the flow can easily be mistaken for an intrusive if the contacts are not seen.	5015	5	70.82	71.77	0.95			tr.	
			5016	5	71.77	72.69	0.92			tr.	
			5017	5	72.69	73.69	1.00			tr.	
		70.82 - 71.77: brecciated.									
		71.77 - 73.69: numerous yellowish dykelets, 2-4cm wide with pinkish margins and 5-10% associated pyrite; 75-85° to core axis.									
89.10	103.40	FLOW BRECCIA									
		Very fine grained, medium to light green, basaltic, brecciated sub-angular fragments, 0.2-5cm with interstitial carbonate, but without the argillaceous material as in 14.28-22.87 m. 2% quartz-carbonate stringers, 30-70° to core axis.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-54 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
103.40	104.80	FAULT ZONE									
			5018		103.40	104.30	0.90			tr.	
		Highly broken core, chloritized, dark green.	5019		104.30	104.80	0.50			tr.	
104.80	106.66	QUARTZ VEIN									
		Massive, white quartz with a few xenoliths of pyritized, silicified sediments.	5020	3	104.80	105.77	0.97			tr.	
			5021	5	105.77	106.66	0.89			tr.	
		Silicified sediments; 10% pyrite: 104.80-104.90; 104.98-105.12; 105.97-105.81; 106.22-106.33; 106.44-106.56 meters.									
106.66	109.20	SILICIFIED SEDIMENTS									
		Dark grey to beige, with 15% greyish quartz veining, 70° to core axis, up to 10cm wide and up to 10% pyrite. Very heterogeneous, laminations at 30-60° to core axis, irregular.	5022	3	106.66	107.66	1.00			0.14	
			5023	3	107.66	108.40	0.74			0.01	
			5024	8	108.40	109.20	0.80			0.01	
109.20	111.56	SEDIMENTS									
		Light to dark green, well laminated with alternating pale and dark beds; 45-50° to core axis, carbonated.	5025	1	109.20	110.30	1.10	(actual 0.90)		0.05	
			5026	1	110.30	110.95	0.65			0.01	
			5027	1	110.95	111.56	0.61			0.01	
111.56	118.75	BASALT									
		Medium to dark green, fine grained, slightly brecciated, 10% quartz-carbonate veinlets, 0.2-0.5cm wide, 30-60° to core axis.									
118.75	120.07	INTRUSIVE (SEDIMENT?)									
		Pinkish green, massive, fine grained with up to 5% disseminated fine pyrite; contacts at 60° to core axis; 10% quartz-carbonate veinlets, magnetic.	5028	3	118.75	120.07	1.32			0.01	
120.07	121.23	TUFFS									
		Dark green, 15% carbonate stringers, 50° to core axis. 120.88-120.93: dykelet, same as above.	5029	2	120.07	121.23	1.16			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-54 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
											Rech.
121.23	122.10	INTRUSIVE (SEDIMENTS?)									
		Same as above 118.75-120.07 meters. 1% pyrite, contacts at 65° to core axis.	5030	2	121.23	122.10	0.87	(actual	0.83)	0.01	
122.10	127.93	BASALT									
		Dark green, chloritized, 10-15% carbonate veinlets, 0-50° to core axis; 0.1-1cm wide, often displaced by later fracturing. Contact at 127.93 meters is fairly well defined.									
127.93	133.37	SEDIMENTS									
			5031		127.93	128.93	1.00			0.01	
		Dark to greyish-green, fine grained (1-3mm), well laminated,	5032		128.93	130.00	1.07			0.01	
		40-50° to core axis; 8% quartz-carbonate veinlets, 0.2-2cm wide,	5033		130.00	131.00	1.00			tr.	
		30-45° to core axis. Chloritized and moderately carbonated; grain	5034		131.00	132.00	1.00			tr.	
		size is increasing down the hole.	5035		132.00	133.00	1.00			tr.	
			5036		133.00	133.37	0.37			tr.	
133.37	164.30	MAIN MINERALIZED ZONE									
		Includes the usual three units; the upper transition zone, main silicified zone and the lower transition zone.									
133.37	134.00	UPPER TRANSITION ZONE									
		Sediments, greenish to pinkish grey, gradually becoming more silicified down-hole and increasing grain size up to 1cm. Well laminated, 50-60° to core axis, weakly chloritized and carbonatized. 2-3% very fine grained pyrite in the matrix. 133.40-133.50: clay filled FAULT, same as seen in previous holes.	5037	3	133.37	134.00	0.63			0.10	0.14
134.00	147.95	MAIN SILICIFIED ZONE									
		Honey to purplish coloured; the beginning of the zone is honey, becoming purplish down the hole. Intensely silicified, weakly carbonated compared to the overlying sediments. Alternating honey and purple horizons. Well laminated in places, 40-50° to axis.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-54 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
											Rech.
		134.00–135.00: purplish, some honey coloured areas.	5038	2	134.00	135.00	1.00			0.08	0.09
		135.00–136.80: honey, purplish coloured zones, 6% pyrite.	5039	2	135.00	136.00	1.00			0.12	0.10
		136.80–138.83: honey coloured, very few purple zones, 2–3% pyrite.	5040	5	136.00	136.80	0.80			0.09	0.11
		138.83–139.42: fine grained, honey coloured, up to 10% fine, disseminated pyrite.	5041	7	136.80	137.80	1.00			0.06	0.10
			5042	3	137.80	138.83	1.03			0.18	0.18
		139.42–140.42: purplish, honey coloured zones, 2–3% pyrite.	5043	10	138.83	139.42	0.59			0.24	0.30
		140.42–141.38: honey to reddish coloured, less silicified, well laminated with some chlorite patches (unsilicified sediments).	5044	2	139.42	140.42	1.00			0.08	0.09
			5045	5	140.42	141.38	0.96			0.13	0.13
			5046	3	141.38	142.05	0.67			0.08	0.05
		141.38–142.47: slightly less silicified, finer grained, more matrix than above, laminated at 45° to core axis, some sections at 30° to axis.	5047	3	142.05	142.47	0.42			0.10	0.10
			5048	2	142.47	143.40	0.93			0.04	0.04
			5049	3	143.40	143.86	0.46			0.01	0.01
		142.47–143.86: greenish-grey; brecciated with broken grey cherty fragments, silicified with some patches of unsilicified matrix.	5050	3	143.86	144.60	0.74			0.07	0.07
			5051	3	144.60	145.50	0.90			0.06	0.04
			5052	2	145.50	146.60	1.10			0.10	0.03
		143.86–144.60: honey coloured, brecciated, 3% pyrite.	5053	3	146.60	147.30	0.70			0.03	0.03
		144.60–146.60: greyish to honey coloured, with 5% chloritic patches. Brecciated, cherty in places, poorly laminated.	5054	4	147.30	147.95	0.65			0.04	0.03
		146.60–147.95: purplish to honey coloured, brecciated, poorly laminated.									
		147.95: arbitrary contact.									
147.95	164.30	LOWER TRANSITION ZONE									
		Alternating bands of silicified and non-silicified sediments, from 10–50cm wide, with up to 80% of the rock being silicified in the upper part of the zones, and up to 20% in the lower part of the zone; the average being above 60% for the whole zone. Poorly laminated.	5055	3	147.95	148.70	0.75			0.01	0.03
			5056	2	148.70	149.65	0.95			0.02	
			5057	2	149.65	150.42	0.77			0.01	
			5058	3	150.42	151.42	1.00			0.01	
			5059	1	151.42	152.50	1.08			0.05	
		147.95–148.70: greenish-grey, chloritized, broken chert fragments.	5060	1	152.50	153.35	0.85			0.01	
		148.70–149.65: purplish-grey, silicified, brecciated.	5061	2	153.35	154.00	0.65			0.01	
		149.65–150.42: green, fine grained, chloritized sediments, poorly laminated, 10–25° to core axis.	5062	1	154.00	155.10	1.10			0.01	
			5063	2	155.10	155.46	0.36			0.15	
		150.42–152.50: wide, silicified, purplish-grey to green zones, separated by narrow, chloritized green sediments, poorly laminated, 30–40° to core axis, 1–2% py.	5064	2	155.46	156.30	0.84			0.05	
			5065	1	156.30	157.30	1.00			0.14	

OND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-54 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		152.50-154.00: green, chloritized sediments with minor silicified, purplish zones, 30° to core axis.	5066	2	157.30	157.90	0.60			0.03	
			5067	2	157.90	158.60	0.70			0.01	
		154.00-157.90: dark grey to purplish, fine grained, 75% silicified sediments, fairly uniform, weakly brecciated and mineralized, 1-2% very fine pyrite.	5068	1	158.60	159.36	0.76			0.02	
			5069	2	159.36	160.00	0.64			0.09	
			5070	2	160.00	161.10	1.10			0.07	
		157.90-161.10: 50% green sediments alternating with 50% silicified sediments; purplish, some cherty bands, brecciated, poorly mineralized.	5071		161.10	161.80	0.70			0.01	
			5072		161.80	162.80	1.00			0.04	
			5073		162.80	163.80	1.00			0.01	
		161.10-164.30: light green, fine grained sediments, 25% silicified with purplish zones, poorly laminated, 40° to core axis.	5074		163.80	164.30	0.50			0.18	
		162.50: fractured zone.									
164.30	180.15	SEDIMENTS	5075		164.30	165.30	1.00			0.01	
			5076		165.30	166.30	1.00			0.04	
		Medium green, fine grained, carbonatized, poorly laminated, 35° to core axis, 15-20% quartz-carbonate veinlets, 0.2-1cm wide, 30-60° to core axis. The lower contact with the volcanics is uncertain and diffuse.	5077		166.30	167.30	1.00			0.01	
			5078		167.30	168.30	1.00			0.01	
			5079		168.30	169.30	1.00			0.01	
			5080		169.30	170.30	1.00			0.01	
			5081		170.30	171.30	1.00			0.01	
180.15	183.80	BASALT	5082		171.30	172.30	1.00			0.02	
			5083		172.30	173.30	1.00			tr.	
		Dark green, less carbonated than adjoining sediments, 5% quartz-carbonate stringers, 30-45° to core axis.	5084		173.30	174.30	1.00			tr.	
			5085		174.30	175.30	1.00			tr.	
			5086		175.30	176.30	1.00			tr.	
			5087		176.30	177.30	1.00			tr.	
			5088		177.30	178.30	1.00			tr.	
			5089		178.30	179.30	1.00			tr.	
			5090		179.30	180.15	0.85			tr.	
		183.80 meters END OF HOLE									

LANGRIDGE LIMITED — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 LENGTH 229.21 meters

LOCATION

LATITUDE 9 + 50 E DEPARTURE 1 + 48 S

ELEVATION AZIMUTH 344° DIP -70°

STARTED February 6, 1984 FINISHED February 10, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°				
46.00	-69½°				
91.46	-66½°				
167.07	-63½°				

HOLE NO. Mc-84-55 SHEET NO. 1 OF 6

REMARKS Casing pulled

LOGGED BY Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	14.63	CASING										
14.63	61.30	BASALT										
		Medium to coarse grained, dark green, massive, can be mistaken for an intrusive, but is a flow center. Gradual contacts with adjoining units, fine grained in contact zones. 2% quartz stringers, 5% epidote, trace pyrite. 21.90 - 22.90: 5-8% coarse, disseminated pyrite. 44.30 - 44.46: greyish quartz vein. 60.30 - 61.30: gradual contact going from coarse to fine grained.	5091	5	21.90	22.90	1.00			tr.		
61.30	78.78	BASALT (ANDESITE?)										
		Fine grained, medium green, massive, fairly homogeneous, in several flows, separated by pillows and flow breccia zones. 4% quartz-carbonate amygdules, elongated, 2-4mm in diameter; 5% quartz-carbonate stringers. 64.28 - 64.58: quartz veins, 5% pyrite. 73.22 - 74.13: brecciated, greyish-green, 10% quartz. 77.48 - 78.78: flow breccia, fragments oriented 30-35° to core axis, carbonatized, 2% pyrite in veinlets.	5092	5	64.28	64.58	0.30			tr.		
			5093	2	77.48	78.38	0.90			tr.		
			5094	2	78.38	78.78	0.40			tr.		
78.78	91.72	ANDESITE?										
		Medium to pale green, fine grained, heterogeneous, represents a series of thin flows, separated by pillow and flow breccia. 5% quartz-carbonate stringers, 5% epidote. 87.26 - 87.38: quartz-carbonate veinlets, flow contact, 10% pyrite.	5095	10	87.20	87.50	0.30			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
91.72	96.93	BASALT Medium green, fine to very fine grained, very homogeneous, massive, 2% carbonate stringers.									
96.93	108.35	BASALT Medium to dark green, medium to coarse grained, massive, 1% quartz-carbonate stringers, trace hematite in fractures. 105.00-108.30: gradually decreasing in grain size toward contact.									
108.35	110.38	QUARTZ VEIN Bull quartz, white, with 10% xenoliths of dark green, chloritized lava, and chlorite filled fractures. 2-3% pyrite in stringers, localized, trace chalcopyrite. 110.23-111.38: quartz-carbonate, green, 7% finely disseminated pyrite.	5096 5097	3 3	108.35 109.42	109.42 110.38	1.07 0.96			tr. tr.	
110.38	113.60	SEDIMENTS Dark green, tuffaceous, well laminated, 55-60° to core axis, chloritized; 15-20% quartz-carbonate veinlets, usually parallel to the laminations. Black (argillite?) filling in between fragments.	5098 5099 5100	7 1 1	110.38 111.40 112.40	111.40 112.40 113.60	1.02 1.00 1.20			tr. tr. tr.	
113.60	136.60	BASALT Dark green, chloritized, numerous flows separated by pillow and flow breccia, some parts are vesicular. Few hematite filled fractures. 10% carbonate stringers, 1-2mm, 40-60° to core axis; few quartz veinlets, 1-2cm, 50° to core axis. 113.60-115.20: dark green, weakly brecciated. 115.20-119.78: lighter green, possibly pillowed, slightly silicified due to quartz veining and filling, 1% pyrite. 133.00-136.60: numerous tuffaceous interbeds, more or less laminated, 40° to core axis, carbonatized.	5101 5102		115.45 117.46	116.60 118.71	1.15 1.25	(actual 0.95)		tr. 0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
136.60	141.55	TUFFS Dark green, chloritized, carbonated, more or less well laminated at 40-45° to core axis; 15% black, cherty beds and possibly thin, less than 1cm flows; trace to 2% pyrite.	5103		136.60	137.50	0.90			0.01	
			5104		139.46	140.51	1.05			0.01	
			5105		140.51	141.55	1.04			0.01	
141.55	142.28	SEDIMENTS Pinkish-grey due to hematite staining, fairly massive, fragments up to 4mm, poorly laminated at 40° to core axis. Very similar to what has been called "mafic intrusive" in previous holes (ie. #54), but non-magnetic. Heavily carbonatized, contacts well defined. Trace pyrite.	5106		141.55	142.28	0.73			0.01	
142.28	144.08	VOLCANICS Mixed tuffs and lavas, poorly or not laminated at all, dark green, fine grained, 5% carbonate veinlets.									
144.08	146.63	SEDIMENTS Same as 141.55-142.28 m, pinkish-grey, fine to medium grained, trace pyrite.	5107	tr	144.08	144.94	0.86			tr.	
			5108	tr	144.94	145.61	0.67			tr.	
			5109	tr	145.61	146.61	1.00			tr.	
146.63	160.72	BASALT Medium green, fine graned, with alternating flows and flow breccias, sometimes silicified at flow contacts, 7% quartz-carbonate veinlets at 45° to core axis. 149.40-149.92: creamy coloured, silicified (cherty), no pyrite, brecciated.	5110		149.40	149.92	0.52			tr.	
160.72	169.10	BASALT Coarse grained, dark green, center of a flow, phenocrysts up to 0.3cm, gradual contacts. Massive, some hematite along fractures.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
169.10	173.65	SEDIMENTS									
		Medium green, chloritized, carbonatized, from poorly laminated at 169.10 to well laminated at 178.65 meters. Light green near the contact at 173.65 meters. Upper contact is arbitrary.	5111	1	169.10	169.45	0.35			tr.	
			5112	2	169.45	171.00	1.55			tr.	
			5113	tr	171.00	172.00	1.00			tr.	
		169.36-170.50: 7% quartz-carbonate stringers, 0.3 mm.	5114	tr	172.00	172.90	0.90			tr.	
		170.50-173.65: 20% quartz-carbonate veinlets, 15-50° to core axis, laminations are 45-50° to core axis; trace to 2% pyrite.	5115	2	172.90	173.65	0.75			0.02	
173.65	196.90	MAIN MINERALIZED ZONE									
		Includes an upper transition zone, a main silicified zone and a lower transition zone.									
173.65	174.55	UPPER TRANSITION ZONE									
		70% silicified, olive green, well developed laminations at 45° to core axis, 3% disseminated pyrite, carbonatized.	5116	3	173.65	174.55	0.90			0.01	
174.55	182.71	MAIN SILICIFIED ZONE									
		Greenish-grey to honey-grey, highly silicified; very fine fragments seldom laminated, carbonatized, brecciated. Purplish tint in places, variable pyrite content, fine grained, disseminated.	5117	3	174.55	175.30	0.75			0.02	
			5118	2	175.30	176.17	0.87			0.02	
			5119	3	176.17	177.22	1.05			0.06	
		174.55-174.70: Fault Zone - clay, same as in other holes.	5120	2	177.22	178.24	1.02			0.04	
		174.55-175.30: grey to honey coloured, poorly laminated, 3% fine pyrite.	5121	2	178.24	179.22	0.98			0.01	
			5122	1	179.22	180.22	1.00			0.02	
		175.30-177.22: dark grey, honey tint, massive, poorly laminated, carbonatized, 2-3% fine pyrite.	5123	1	180.22	181.22	1.00			0.01	
			5124	2	181.22	182.22	1.00			0.07	
		177.22-178.24: better laminated, dark to medium grey with interbedded honey coloured sediments (up to 30%), 50° to core axis, 2% pyrite, slightly brecciated.	5125	1	182.22	182.71	0.49			0.01	
		178.24-182.71: dark grey to greenish grey, slightly brecciated, rare, honey coloured bands, poorly laminated, 1-2% pyrite. Contact at 182.71 meters is not well defined.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
182.71	196.90	LOWER TRANSITION ZONE									
		Dark green, tuffaceous sediments, poorly laminated, containing 25% silicified sediments, alternating with unsilicified zones; 30-50° to core axis. 10% quartz-carbonate veinlets, 0-40° to core axis.	5126	1	182.71	183.75	1.04			0.01	
			5127	1	183.75	184.63	0.88			0.01	
			5128	1	184.63	185.63	1.00			0.01	
		182.71-186.63: dark green tuffs, poorly laminated, 10% quartz-carbonate veinlets, 10% silicification.	5129	1	185.63	186.63	1.00			0.01	
			5130	3	186.63	187.63	1.00			0.01	
		186.63-189.28: grey-green, dark, silicified, 5% pyrite stringers in places, 15% quartz-carbonate stringers.	5131	2	187.63	188.30	0.67			0.01	
			5132	1	188.30	189.28	0.98			0.06	
		189.28-190.46: less silicified, 20% quartz-carbonate veinlets.	5133	1	189.28	190.46	1.18			tr.	
		190.46-193.44: fairly well laminated, 45° to core axis, dark greyish green, 2% fine grained pyrite, brecciated, 50% silicified, 8% quartz-carbonate veinlets.	5134	1	190.46	191.41	0.95			0.11	
			5135		191.41	192.44	1.03			0.01	
			5136		192.44	193.44	1.00			0.01	
		193.44-194.93: dark green, poorly laminated, 20% silicified, trace to 1% pyrite.	5137		193.44	194.00	0.56			0.02	
			5138		194.00	194.93	0.93			0.01	
		194.93-196.90: 30% silicified, 15% quartz-carbonate veinlets and fillings, brecciated, trace pyrite.	5139		194.93	195.90	0.97			tr.	
			5140		195.90	196.90	1.00			tr.	
		196.90: arbitrary contact.									
196.90	229.21	SEDIMENTS									
		Dark green, probably tuffs, chloritized, poorly to well laminated at 25-40° to core axis; quartz-carbonate veining, and some silicified areas.	5141		196.90	197.51	0.61			tr.	
			5142		197.51	198.30	0.79			tr.	
			5143		198.30	199.30	1.00			tr.	
		196.90-204.70: 15% silicified, dark green tuffs; the silicified zones being greyish; 10% quartz-carbonate stringers, trace pyrite.	5144		199.30	200.56	1.26			tr.	
			5145		200.56	201.61	1.05			tr.	
			5146		201.61	202.61	1.00			tr.	
		204.70-210.85: dark green, tuffaceous, poorly laminated, possibly thin basaltic flows, 10% quartz-carbonate stringers, carbonatized matrix.	5147		202.61	203.61	1.00			tr.	
			5148		203.61	204.70	1.09			tr.	
			5149		204.70	205.65	0.95			tr.	
		210.85-219.76: dark green, chloritized, tuffaceous, fairly well laminated, 40° to core axis. 20% carbonate veinlets, 25-40° to core axis; matrix is less carbonatized than above. Some rare, cherty, black fragments occur, 2-5mm thick.	5150		205.65	206.65	1.00			tr.	
			5151		208.17	209.17	1.00			tr.	
			5152		211.75	212.75	1.00			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-55 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		219.76-227.10: dark green tuffs, 10% silicified zones, 15% quartz-carbonate stringers, matrix not carbonatized, fairly well laminated.	5153		215.18	216.18	1.00			tr.	
			5154		218.85	219.76	0.91			tr.	
		227.10-229.21: dark green, poorly laminated, chloritized, massive, fine grained; 5-7% quartz-carbonate veinlets. Must be close to the volcanic contact.	5155	2	219.76	220.76	1.00			tr.	
			5156	3	222.80	223.85	1.05			tr.	
		226.16-226.22: Fault? Broken core.	5157	1	223.85	224.91	1.06			tr.	
			5158	2	224.91	226.16	1.25			tr.	
			5159	1	226.16	227.10	0.94			tr.	
		229.21 meters END OF HOLE									
		CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott
HOLE NO. Mc-84-56 LENGTH 185.38 meters
LOCATION
LATITUDE 7 + 00 E DEPARTURE 1 + 00 S
ELEVATION AZIMUTH 344° DIP -70°
STARTED February 13, 1984 FINISHED February 16, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°				
46.00	-68°				
92.00	-63°				
137.00	-63°				

HOLE NO. Mc-84-56 SHEET NO. 1 OF 6
REMARKS
LOGGED BY Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	7.58	CASING									
7.58	41.50	BASALTS									
		Medium to light green, fine to very fine grained, fractured; there are many flows separated by finer grained, lighter green contact zones, from 2-6cm wide at approximately 45° to core axis. Hematite staining in fractures. 5% carbonate stringers, 35-60° to core axis. Weakly chloritized, trace pyrite in contact zones. 29.65 - 41.50: more massive, slightly darker green, coarser grained. 36.35 - 37.28: contact zone between two flows, greyish green, silicified, brecciated, trace hematite and pyrite in fractures.	5160		36.35	37.28	0.93			0.02	
41.50	42.30	FAULT ZONE									
		Heavily broken core, red clay filling.	5161		41.50	42.30	0.80			0.01	
42.30	46.85	BASALTS									
		Medium to light green, fine grained, same as 7.58-41.50 meters; some hematite(?) or red clay in fractures.									
46.85	60.00	BASALTS									
		Medium to dark green, medium to coarse grained, thicker flows than the preceding unit, very massive, homogeneous, very gradual contacts. 58.40 - 60.00: gradual contacts, becoming finer grained, brecciated.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-56 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
60.00	66.45	FLOW BRECCIA Fine grained basalts, medium to dark green, brecciated, sub-rounded fragments up to 1cm in diameter, slightly carbonated; flow contacts. 64.00 - 66.45: more massive.									
66.45	76.55	BASALTS Fine grained near contact, becoming gradually coarser grained toward center of flow, dark green, massive. 3% carbonate stringers.									
76.55	78.16	TUFFS Medium to light green, basaltic, well laminated at 50° to core axis. Trace hematite, 1% pyrite, 15% quartz-carbonate veins up to 6cm wide, 50° to core axis.	5162 5163	1 1	76.55 77.73	77.73 78.16	1.18 0.43			0.01 0.01	
78.16	81.25	FLOW BRECCIA More or less brecciated, medium green, fine grained; contacts not well defined. 3% thin carbonate stringers.									
81.25	102.53	BASALTS Dark green, massive, medium to coarse grained, gradual contacts, finer grained near the contacts, homogeneous, 1% hematite in fractures, less than 5% quartz-carbonate stringers, 40-50° to core axis. 91.30 - 91.55: quartz veins, fractures, with red clay between fragments.									
102.53	111.10	BASALT Dark green, medium to coarse grained like unit above, but heavily broken core, 1-2% hematite in fractures, chloritized. Represents a FAULT ZONE.	5164		103.40	103.95	0.55			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-56 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		102.53-103.40; 104.75-105.05; 105.75-106.55; 106.75-107.80 meters: FAULT ZONE - very heavily broken core, gangue material (clay, plus hematite, red clay). 103.40-103.95: fine grained, tuffaceous, 1-2% pyrite, 15% quartz veining. 103.95-106.55: finer grained, dark green basalt.										
111.10	120.94	BASALT Fine grained, medium to light green, highly broken core, alternating medium and light green zones, 10-15cm wide, often brecciated, numerous (15%) carbonate stringers with subsequent fracturing, 40-70° to core axis. Possibly flow or pillow breccia, 1-2% hematite in fractures. 111.10-113.18: heavily broken core, 2% hematite in fractures, chloritized. 112.17-113.18: quartz-carbonate vein, 1cm wide, parallel to core axis. 117.15-117.35: very heavily broken core, chloritized, 1% red hematite staining.										
120.94	128.37	BRECCIATED BASALT Dark to medium green, fine grained flow breccia, angular fragments up to 1cm in diameter with carbonate filling between the fragments. Fairly massive; gradual contacts, not mineralized, but some hematite staining.										
128.37	133.65	SEDIMENTS Dark green, chloritized, fine to medium grained, poorly laminated, gradual and poorly defined contacts. 12% carbonate. 130.00-131.25: possibly volcanics, not laminated, dark green, fine grained. 131.25-133.65: fractured, very heavily broken core, chloritized, 10% silicified zones, dark grey to honey coloured, 1-2% pyrite, poorly laminated, 45° to core axis.	5165		131.25	132.25	1.00			tr.		
			5166		132.25	133.25	1.00			tr.		
			5167		133.25	133.65	0.40			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-56 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
133.65	154.60	MINERALIZED ZONE Includes an upper transition zone, very highly fractured and heavily broken core, 4.5 meters long with 30% silicified zones, and 70% chloritized sediments. This zone is followed by the main silicified zone, which is not typical; purplish to pinkish with some honey coloured areas; 85% silicified, brecciated and sometimes carbonatized, slightly mineralized with pyrite (1-3%). Finally, it is followed by the lower transition zones, with alternating purplish, silicified zones up to 1 meter wide, and green, unsilicified, well laminated sediments, 50° to core axis, poorly mineralized.									
133.65	138.17	UPPER TRANSITION ZONE Fractured, very highly broken core, continuation of the fault zone. 50% dark grey to pinkish silicified zones, alternating with dark green, chloritized, unsilicified sediments. 10-15% carbonate, poorly to well laminated at 45° to the core axis. Pinkish to reddish colour due to pink carbonate veinlets. 137.16-138.17: less fractured and broken. 136.40-137.16: FAULT ZONE - very heavily broken core, light grey, silicified, clay between fragments.	5168		133.65	135.33	1.68			tr.	
			5169		135.33	136.40	1.07			tr.	
			5170		136.40	137.33	0.93			tr.	
			5171		137.33	138.17	0.84			tr.	
138.17	145.70	MAIN SILICIFIED ZONE Dark, greenish to pinkish grey, less grey than the typical zone, brecciated, silicified, carbonatized in the upper 4 meters; more purplish than usual, very fine disseminated sulphides but chloritized, fractured, and 15% green, unsilicified sediment bands up to 10cm wide. Few honey coloured sections, especially on the upper part of the zone. 138.17-139.20: 50% greyish to purplish and 50% honey coloured; 2-3% sulphides. 139.20-140.14: dark grey to pinkish, 20% honey coloured sections; 1-2% pyrite.	5172		138.17	139.20	1.03			0.07	
			5173		139.20	140.14	0.94			0.03	
			5174		140.14	141.05	0.91			0.01	
			5175		141.05	142.05	1.00			0.03	
			5176		142.05	143.13	1.08			0.06	
			5177		143.13	144.20	1.07			0.04	
			5178		144.20	144.80	0.60			0.04	
			5179		144.80	145.70	0.90			0.02	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-56 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		140.14-142.05: dark, greenish to purplish, silicified, poorly mineralized (1% pyrite); sediments with 10% dark green, unsilicified section up to 8cm.										
		142.05-144.20: 60% silicified, pinkish to purplish grey sediments and 40% dark green, poorly laminated, poorly silicified sediments, 1% pyrite.										
		144.20-145.70: dark, pinkish to purplish grey, 90% silicified, brecciated, 1% pyrite.										
145.70	154.60	LOWER TRANSITION ZONE										
		Alternating silicified, purplish to pinkish zone and medium to dark green, unsilicified sediments, usually well laminated in unsilicified areas; from 40% silicified at the top to 10% silicified at the bottom of the zone.	5180		145.70	146.47	0.77			tr.		
		145.70-146.47: medium to light green, poorly laminated sediments at 50° to core axis.	5181		146.77	147.60	0.83			tr.		
		146.47-147.60: 50% silicified sediments, 30% pinkish zones, in medium green sediments.	5182		147.60	148.00	0.40			tr.		
		147.60-148.00: medium green sediments.	5183		148.00	148.81	0.81			tr.		
		148.00-148.81: dark, purplish grey, with 30% honey coloured, brecciated, 3% very fine pyrite.	5184		148.81	150.00	1.19			0.05		
		148.40-148.60: pink quartz-carbonate vein at 10° to the core axis.	5185		150.00	150.65	0.65			0.01		
		148.81-150.00: 70% silicified, purplish, brecciated, dark grey to purplish fragments with honey to reddish alteration along fractures. The more it is brecciated the more it is altered.	5186		150.65	151.60	0.95			0.01		
		150.00-150.65: fine grained sediments, dark grey with faint purplish tint, possibly slightly magnetic; similar in texture to what has been called 'mafic intrusive' in other holes, but it is not as red.	5187		151.60	152.50	0.90			tr.		
		150.65-151.60: dark green sediments, laminated 45° to core axis, slightly silicified.	5188		152.50	153.50	1.00			tr.		
		151.60-152.50: 60% silicified sediments, dark purplish-grey with 40% unsilicifed dark green sediments.	5189		153.50	154.60	1.10			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-56 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS .	ASSAYS OZ TON	ASSAYS OZ TON
		152.50-154.60: 60% silicified sediments, dark greenish-grey to purplish-green, due to slightly silicified zones, laminated at 45° to core axis. Arbitrary Contact.									
			5190		154.60	155.53	0.93			tr.	
			5191		155.53	156.53	1.00			tr.	
			5192		156.53	157.53	1.00			tr.	
			5193		157.53	158.60	1.07			tr.	
			5290		158.60	159.90	1.30			0.01	
			5291		159.90	160.93	1.03			0.01	
			5194		160.93	161.93	1.00			0.03	
			5292		161.93	162.90	0.97			0.01	
			5293		162.90	163.90	1.00			0.01	
			5294		163.90	164.45	0.55			0.01	
			5195		164.45	165.45	1.00			0.10	
			5295		165.45	166.28	0.83			0.02	
			5196		166.28	167.28	1.00			0.05	
			5296		167.28	168.28	1.00			tr.	
			5297		168.28	169.30	1.02			tr.	
			5298		169.30	170.20	0.90			tr.	
			5299		170.20	171.20	1.00			tr.	
			5300		171.20	172.20	1.00			tr.	
			5301		172.20	173.20	1.00			tr.	
			5302		173.20	174.20	1.00			tr.	
			5303		174.20	175.20	1.00			tr.	
			5304		175.20	176.17	0.97			tr.	
			5305		176.17	177.20	1.03			0.02	
			5306		177.20	178.20	1.00			0.01	
			5307		178.20	179.05	0.85			0.01	
154.60	167.28	SEDIMENTS Dark, medium green, fine to medium grained, well laminated, 40-50° to core axis, 15% quartz-carbonate stringers parallel to laminations, very evenly distributed. 154.60-155.53: fractured parallel to core axis.									
167.28	179.05	SEDIMENTS Dark to medium green, poorly laminated, fine grained, tuffaceous sediments, much less carbonatized than previous unit, very few carbonate stringers, more massive.									
179.05	185.38	BASALT Light to medium green, heterogeneous, brecciated, possibly pillow and flow breccia. 183.90-185.38: nice brecciated zone, fragments up to 3cm; angular in fine, epidotized and carbonated matrix.									
		185.38 meters END OF HOLE									

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott - Hennessy
HOLE NO.: Mc-84-57 LENGTH: 139.60 meters
LOCATION:
LATITUDE: 6 + 50 E DEPARTURE: 0 + 74 S
ELEVATION: AZIMUTH: 344° DIP: -70°
STARTED: February 17, 1984 FINISHED: February 21, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
45.72	-70°				
91.44	-69°				
139.60	-65°				

HOLE NO. Mc-84-57 SHEET NO. 1 OF 6
REMARKS: BQ Core
Split for analysis

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	14.90	OVERBURDEN										
14,90	61.35	BASALT Medium green to grey-green, fine to medium grained massive flow. The rock becomes variably textured locally below 33.50 meters with epidotitized silicified patches up to 5cm. The zone is weakly fractured becoming moderately fractured locally with white carbonate and epidote filling. Rock is non-magnetic and contains 0-1% pyrite as blebs up to 1mm. 46.70 - 47.36: SEDIMENTS - dark green, fine to very fine grained and non-laminated, carries 3-5% pyrite as blebs and cubes up to 2mm. Upper contact is at 35° to core axis. 47.36 - 55.50: fine to very fine grained massive flow with occasional medium grained phases. Strongly fractured with white carbonate filling. Occasional 1cm rounded pink xenoliths in lower 1.0 meters. A green clay filled fault zone at 40-45° to the core axis is located at 54.50-54.56 meters. 55.50 - 57.30: flow top breccia - strongly fractured with white carbonate filling. Fragments are angular to sub-angular, up to 2cm in size, and are sharply defined with irregular edges. 57.30 - 61.35: flow breccia - variably developed but seldom well exhibited. Fragments are up to 4cm in size with well developed reaction rims. The zone is locally brecciated due to tectonism with white carbonate filling dilatant zones.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-57 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON
61.35	73.37	SEDIMENTS									
		Medium to dark green, fine to very fine grained and well laminated. The rock is brecciated along lamination sets with some white to pink carbonate filling. This is possibly due to heat from the overlying flow and is most apparent above 63.45 meters. Below this point the rock is generally non-brecciated and is better laminated. The section is weakly to moderately chloritized. Some selective carbonatization of individual laminations is noted. Zone carries 0-1% pyrite as blebs up to 1mm. A zone of ground core is noted at 72.40-72.54 meters.	5197	0-1	66.50	67.50	1.00			0.01	
			5198	0-1	67.50	68.50	1.00			0.01	
			5199	0-1	68.50	69.49	0.99			0.01	
			5200	0-1	69.49	70.50	1.01			0.01	
			5201	0-1	70.50	71.50	1.00			0.01	
			5202	0-1	71.50	72.40	0.90	(actual	0.75)	tr.	
			5203	0-1	72.40	73.37	0.97			tr.	
		63.83 - 65.08: BASALT - dark green fine to very fine grained with flow breccia locally. Flow carries reddish xenoliths up to 1.5cm in size.									
		Bedding Laminations: 35-40° to core axis at 61.80 m, and 62.20 m 50-55° to core axis at 69.25 m 40-45° to core axis at 69.80 m 35-40° to core axis at 71.10 m 40° to core axis at 72.20 m									
73.37	118.84	MAIN MINERALIZED ZONE									
		This zone is composed of a central highly silicified breccia unit flanked by two transitional, variably silicified units. Pyrite contents increase with silicification up to 10% locally within the highly silicified member. Within the transitional zones, silicification is controlled by locally developed brecciation.									
73.37	76.94	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green and fine to very fine grained becoming purple-grey and aphanitic locally in selected lamination sets and brecciated sections. Purple-grey rock is moderately hematized and becomes silicified with depth. The percentage of silicified rock gradually increases with depth. Brecciated and non-brecciated rock alternate and control silicification. Some post-brecciation fracturing is	5204	0-1	73.37	74.00	0.63			tr.	
			5205	0-1	74.00	74.91	0.91			tr.	
			5206	0-1	74.91	75.59	0.68			tr.	
			5207	0-1	75.59	76.16	0.57			tr.	
			5208	1-2	76.16	76.94	0.78			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-57 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		noted throughout accompanied by dilatant type movement. This produces silicified fragments up to 5cm in a green chloritized gritty matrix. Pyrite content is generally 0-1%. 73.37: possible fault designated by short sections of ground core with green clay on fractures. 76.00: narrow green clay seam oriented at 40-45° to the core axis - FAULT. 74.10 - 74.42: well laminated at 50° to the core axis. The rock is hematized with a purple-grey colour but is non-silicified. 76.50 - 76.94: strongly silicified; zone develops a typical purple-grey colouration and pyrite increases to 2-3%.									
76.94	105.21	MAIN SILICIFIED ZONE Purple-grey intensely silicified breccia with minor cream coloured siliceous filling around greyish angular breccia fragments. These fragments are intensely silicified and up to 1.5cm in size. They can often be reassembled into larger fragments. Cream coloured alteration appears to have developed radially away from fracture systems. Pyrite content increases from the overlying unit, and averages 3-5%. It is found as a very fine dissemination, as 1mm cubes (occasionally), and as 3-5mm clots of smaller grains. Minor green chloritized zones are present locally where silicifying fluids have not penetrated. 76.94 - 80.70: abundant fractures coated with thin chloritized plates. 80.70 - 84.34: massive silicified breccia, few fractures. 84.34 - 84.95: minor honey coloured alteration with increased pyrite up to 7%, in part controlled by bedding laminations. These laminations are visible locally despite the brecciation. Minor reddish silicified breccia fragments are noted locally. 84.95 - 87.13: same as 80.70-84.34 m.	5209	2-4	76.94	77.69	0.75			0.03	
			5210	3-5	77.69	78.35	0.66			0.01	
			5211	3-5	78.35	79.00	0.65			0.01	
			5212	3-5	79.00	79.80	0.80			0.01	
			5213	3-5	79.80	80.63	0.83			0.01	
			5214	2-4	80.63	81.40	0.77			tr.	
			5215	2-3	81.40	82.19	0.79			tr.	
			5216	2-3	82.19	83.01	0.82			tr.	
			5217	2-3	83.01	83.85	0.84			tr.	
			5218	2-4	83.85	84.34	0.49			tr.	
			5219	5-7	84.34	85.09	0.75			tr.	
			5220	2-3	85.09	85.85	0.76			tr.	
			5221	2-3	85.85	86.63	0.78			0.01	
			5222	2-3	86.63	87.13	0.50			0.02	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-57 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		87.13 - 88.27: silicified breccia with abundant reddish and honey coloured alteration. Relic laminations are visible locally and pyrite is occasionally found as semi-massive stringers parallel to the laminations (eg. 45-50° to the core axis at 87.47 m). Pyrite content is more variable below 87.77 meters.	5023	10	87.13	87.77	0.64			0.08	
			5024	4-6	87.77	88.27	0.50			0.05	
			5025	1-2	88.27	89.17	0.90			0.01	
			5026	1-2	89.17	90.19	1.02			0.01	
			5027	2-3	90.19	90.85	0.66			0.01	
			5028	3-5	90.85	91.72	0.87			0.01	
		88.27 - 90.19: green gritty chloritized rock carries abundant round to lenticular silicified fragments - rip-up clasts?	5029	2-3	91.72	92.70	0.98			0.01	
			5030	2-4	92.70	93.47	0.77			0.02	
		90.19 - 93.20: 90% purple-grey silicified breccia with abundant chloritized fractures and seams increasing below 92.70 meters.	5031	2-4	93.47	94.02	0.55			0.03	
			5032	2-4	94.02	94.57	0.55			0.01	
			5033	2-4	94.57	95.45	0.88			tr.	
		93.20 - 95.45: purple-grey silicified breccia, moderately fractured with chloritized partings. Pyrite increases locally to 5%.	5034	2-3	95.45	96.31	0.86	(actual	0.76)	tr.	
			5035	1-3	96.31	97.01	0.70			0.01	
			5036	2-3	97.01	97.55	0.54			0.01	
		95.45 - 97.55: chloritized with abundant silicified breccia sections. Chloritized rock is strongly hematized; the degree of silicification increases below 97.25 meters to nearly 100%. Relic laminations are noted locally (eg. 30° to core axis at 97.25 meters).	5037	2-4	97.55	98.40	0.85			0.02	
			5038	2-3	98.40	99.26	0.86			0.01	
			5039	2-4	99.26	100.06	0.80			tr.	
			5040	1-2	100.06	100.82	0.76			0.01	
			5041	0-1	100.82	101.28	0.46			tr.	
		97.55 -102.87: purple-grey silicified breccia with abundant chloritized fractures locally. Up to 5% pyrite is noted as a very fine dissemination and 2-3mm clots. A green chloritized section is noted at 100.82-101.28 meters which is probably cross-laminated at 30° and 45° to the core axis. Carries abundant cream coloured siliceous clasts - rip-up?	5042	1-2	101.28	102.15	0.87			0.01	
			5043	1-2	102.15	102.87	0.72			0.02	
			5044	8-10	102.87	103.51	0.64			0.08	
			5045	1-3	103.51	104.11	0.60			0.03	
			5046	1-3	104.11	104.64	0.53			0.02	
			5047	1-3	104.64	105.21	0.57			0.02	
		102.87-103.51: purple-grey silicified breccia with cream to pink coloured sections. Up to 20% pyrite locally.									
		103.51-105.21: purple-grey intensely silicified breccia. Silicification gradually decreases down-hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-57 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
105.21	118.84	**TRANSITIONAL SILICIFIED SEDIMENTS**									
		Dark green and fine grained with abundant purple-grey silicified breccia seams developed throughout. Numerous cream coloured carbonate stringers carry siliceous grit. Silicification is controlled within this zone by brecciation. As the amount of breccia decreases, silicification is found in locally selected laminations. Bedding laminations are moderately well developed, but are irregularly distributed throughout the section. The section is weakly hematized throughout.	5048	0-1	105.21	106.07	0.86			0.01	
			5049	0-1	106.07	106.88	0.81			0.03	
			5050	1-2	106.88	107.80	0.92	(actual	0.81)	tr.	
			5051	1-2	107.80	108.65	0.85			tr.	
			5052	1-2	106.65	109.50	0.85			0.02	
			5053	1-2	109.50	110.35	0.85			0.01	
			5054	1-2	110.35	111.30	0.95			tr.	
			5055	1-2	111.30	112.16	0.86			0.01	
			5056	2-3	112.16	112.96	0.80			0.04	
			5057	2-3	112.96	113.76	0.80			0.01	
			5058	5-7	113.76	114.26	0.50			0.21	
			5059	10-12	114.26	114.78	0.52			0.29	
			5060	2-3	114.78	115.43	1.17			0.02	
			5061	5-7	115.43	115.85	0.42			0.11	
			5062	2-4	115.85	116.38	0.53			0.03	
			5063	1-3	116.38	117.21	0.83			0.01	
			5064	1-2	117.21	118.06	0.85			0.02	
			5065	1-2	118.06	118.84	0.78			0.01	
		105.21-106.88: 10-20% silicified breccia.									
		106.88-107.69: 50-75% silicified breccia.									
		107.69-108.19: 25-50% silicified breccia.									
		108.19-112.16: 10-25% silicified breccia.									
		112.16-116.38: 90-95% strongly silicified breccia with several chloritized sections up to 10cm. Pyrite averages 5-6%. A cream to honey coloured altered zone carries up to 25% pyrite at 114.05-114.78 meters. Where pyrite is found in the highest concentrations, clots up to 5mm in size are noted. Some reddish silicified breccia with 5-7% pyrite is noted at 115.43-115.85 meters.									
		116.38-118.84: typical green chloritized rock with abundant cream coloured siliceous laminations and bands parallel to bedding laminations. Silicified rock occupies 10% of the section. Occasional rounded purple-grey silicified breccia clasts up to 3cm are noted.									
		Bedding Laminations: 50° to core axis at 106.25 m.									
		50° to core axis at 116.60 m.									
		45° to core axis at 117.95 m.									
		50-55° to core axis at 118.65 m.									
118.84	139.60	**SEDIMENTS**									
		Dark green fine to very fine grained, generally well laminated becoming less well bedded with depth. Laminations have a mottled appearance locally (eg. 120.53 and 121.10 m), due to the growth of									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-57 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		1-3mm sub-round carbonate growths which displace the mafic laminations. Alternate laminations are mdoerately to strongly carbonatized. Occasional breccia seams up to 2cm are moderately silicified.	5066	1-2	118.84	119.49	0.65			0.01	
			5067	1	119.49	120.34	0.85			tr.	
			5068	1	120.34	121.16	0.82			tr.	
			5069	0-1	121.16	121.95	0.79			tr.	
		138.60-139.60: zone of intense silicification, pale to medium grey in colour carrying 4-6% pyrite as 1-2mm cubes. Uppermost contact of zone is at 70° to core axis. The lowermost 20cm is strongly fractured chloritized sediments.	5070	0-1	121.95	122.78	0.83			0.01	
			5071	0-1	122.78	123.61	0.83			0.01	
			5072	0-1	123.61	124.47	0.86			tr.	
			5073	0-1	124.47	125.25	0.78			tr.	
			5074	0-1	125.25	126.10	0.85			tr.	
		Bedding Laminations: (angle measured with respect to core axis)	5075	0-1	126.10	126.90	0.80			0.01	
		119.00 m : 55°	5076	0-1	126.90	127.82	0.92			0.01	
		119.43 m : 45°	5077	0-1	127.82	128.68	0.86			0.01	
		120.85 m : 55-60°	5078	0-1	128.68	129.50	0.82			tr.	
		121.75 m and 122.75 : 60°	5079	0-1	129.50	130.45	0.95			tr.	
		123.60 m : 35°	5080	0-1	130.45	131.29	0.84			tr.	
		124.45 m : 50-55°	5081	0-1	131.29	132.17	0.88			tr.	
		125.20 m : 55°	5082	0-1	132.17	133.00	0.83			tr.	
		126.05 m and 127.41 : 60°	5083	0-1	133.00	133.94	0.94			tr.	
		128.35 m : 50-55°	5084	0-1	133.94	134.81	0.87			0.02	
		129.95 m : 40-45°	5085	0-1	134.81	135.81	1.00			0.02	
		131.70 m : 45°	5086	0-1	135.81	136.72	0.91			0.01	
		132.90 m and 133.50 : 40°	5087	0-1	136.72	137.58	0.86			0.02	
		135.80 m : 45°	5088	0-1	137.58	138.60	1.02			0.03	
		137.60 m : 35-50°	5089	4-6	138.60	139.60	1.00			0.11	
		139.60 meters END OF HOLE									
		CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc-84-58 LENGTH: 234.06 meters
LOCATION:
LATITUDE: 9 + 00 E DEPARTURE: 1 + 61 S
ELEVATION: AZIMUTH: 344° DIP: -70°
STARTED: February 21,1984 FINISHED: February 27, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
45.72	-70°				
91.44	-67°				
137.16	-67°				
224.94	-66°				

HOLE NO. Mc-84-58 SHEET NO. 1 OF 6
REMARKS: BQ Core
Split for analysis

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	15.85	OVERBURDEN									
15.85	135.51	BASALT Dark green to grey-green, generally fine grained but carrying medium and very fine grained phases. Aphanitic, often silicified zones are limited and related to pillow rims and flow margins. The section carries up to 1% pyrite locally as blebs up to 0.2mm. The uppermost flows are massive and overly pillowed flows. The volcanic sequence is non-magnetic. 15.85 - 18.55: fine grained basal flow with minor xenoliths. Flow contact is at 38° to the core axis. 18.55 - 24.50: vesicular flow top. 24.50 - 30.30: fine grained massive flow. 30.30 - 36.00: medium grained massive flow carries a trace of chalcopyrite associated with locally developed epidotized fractures. 36.00 - 41.35: medium to coarse grained massive flow - pyroxenes up to 5mm locally. 41.35 - 55.30: medium grained massive flow with a fine grained mafic intrusive (or xenolith) at 47.50-47.64 m. 55.30 - 77.10: fine grained massive flow with minor shears developed locally (30° to core axis at 58.40 m). 77.10 - 79.05: medium grained massive flow. 79.05 - 79.98: fine grained, becoming very fine grained with depth. 79.98 - 81.20: very fine grained to aphanitic silicified flow bottom. 81.20 - 82.37: aphanitic silicified sediments; probably tuffaceous.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-58 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS oz/ton
		82.37 - 87.78: fine grained vesicular flow.							
		87.78 -121.60: fine grained pillowed flow(s) - pillow tops are occasionally vesicular and a strongly vesicular zone at 114.20-114.70 may reflect a questionable flow contact at 114.10 meters. The section becomes weakly brecciated with depth.							
		121.60-127.10: fine to very fine grained massive flow with gradually increasing grain size down-hole.							
		127.10-135.51: fine grained massive flow becoming medium grained locally. The lowermost 15cm is finer grained.							
135.51	137.30	QUARTZ VEIN							
		White bull quartz with abundant dark green detritus and xenoliths near contacts. Areas near contacts carry up to 5% pyrite, often as cubes up to 4mm in size.	5308	1-2	135.51	136.44	0.93		tr.
			5309	1-2	136.44	137.30	0.86		tr.
137.30	149.03	SEDIMENTS							
			5310	1-2	137.30	138.20	0.90		tr.
		Dark green fine to very fine grained with moderately to well developed laminations locally. The rock is weakly chloritized and moderately carbonatized locally - usually in patches along the laminations. Occasional white bull quartz veins up to 5cm in width are noted above 140.25 meters. The sediments carry 1-2% pyrite as a very fine dissemination; with up to 4% locally.	5311	1-2	138.20	139.05	0.85		tr.
			5312	1-2	139.05	139.95	0.90		tr.
			5013	1	139.95	140.85	0.90		tr.
			5014	1	140.85	141.75	0.90		tr.
			5015	1	141.75	142.65	0.90		tr.
			5016	1	142.65	143.65	1.00		tr.
		137.30-146.70: laminated - 45° to core axis at 137.75 m; 50° to core axis at 141.20 m; 45° to core axis at 143.65; and 55° at 145.65 m.	5017	1	143.65	144.53	0.88		tr.
			5018	1	144.53	145.40	0.87		tr.
			5019	1	145.40	146.26	0.86		tr.
		146.70-149.03: non-laminated, foliated locally, maybe highly tuffaceous.	5020	1	146.26	147.17	0.91		tr.
			5021	1	147.17	148.00	0.83		tr.
			5022	1	148.00	149.03	1.03		tr.
149.03	149.85	BASALT							
		Dark green with a silicified aphanitic flow top grading downwards to hyaloclastite bearing flow top breccia (angular fragments up to 1cm). The central part is flow brecciated with 1cm rounded often vesicular fragments bearing reaction rims. The base is strongly brecciated with white carbonate filling voids.							

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-58 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
149.85	152.95	SEDIMENTS Dark green, weakly foliated, fine to very fine grained with abundant clasts of volcanic rock. Some silicified tuffaceous clasts up to 5cm are noted.									
152.95	178.83	BASALT Medium to dark green, fine to very fine grained and weakly to moderately brecciated. The zone is probably massive flow and contains very little flow breccia. The uppermost 3.5m carries abundant pale green silicified volcanic blocks up to 20cm in size. Abundant quartz veining is noted between 155.05 and 156.60 meters, the largest vein being at 155.05-155.32 meters. Occasional 2-5cm laminated bands resembling sediments are noted (eg. 157.18 - laminated at 40-45° to the core axis). Minor silicification is developed locally, possibly marking flow tops at 164.75-164.90 and 171.32-171.67 meters. A fine to medium grained phase is noted at 175.30-177.90 meters.									
178.83	184.81	SEDIMENTS Dark green fine to very fine grained and non-laminated above 182.10 meters. The zone is probably strongly tuffaceous throughout. The lowermost 2.7m is weakly to moderately laminated with alternating dark green and greyish 1mm scale bands. Paler laminations are moderately to strongly carbonatized and carry higher pyrite contents - up to 1% locally. Larger patches of strong carbonatization up to 3cm in size feather out along the laminations. Bedding Laminations: 182.25m: 45-50° (not well developed) 184.10 and 184.70 m: 40° to core axis.	5323 5324 5325 5326 5327 5328 5329	1 1 1 1 1 1 1	178.83 179.62 180.51 181.43 182.37 183.25 184.10	179.62 180.51 181.43 182.37 183.25 184.10 184.81	0.79 0.89 0.92 0.94 0.88 0.85 0.71			tr. tr. tr. 0.05 0.01 0.01 tr.	
184.81	219.42	MAIN MINERALIZED ZONE The core of this zone is a variably silicified but usually strongly silicified breccia zone. In contrast to this zone in other holes, the main silicified zone is reactive to HCl thus indicating incomplete silicification. The upper and lower transitional zones									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-58 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		carry short sections of silicified breccia. Pyrite contents average 1-2% in the transitional zones and up to 7% in the main silicified zone.										
184.81	187.15	TRANSITIONAL SILICIFIED SEDIMENTS										
		The transitional zone is wider than normal due to the lack of a well developed main silicified zone. The rock is dark green to greyish-green with many silicified fragments and lenses. These silicified fragments or clasts may in part have been ripped up from the underlying zone. Generally, the degree and amount of silicification increases down-hole. Silicification is marked by a greyish tone. A massive silicified bed at 185.34-185.90 meters, which might normally have marked the top of the main silicified zone, carries 10% green chloritized seams. All silicified rock tends to be highly reactive to HCl. Silicification has probably developed as the result of silica bearing fluids penetrating what were formally carbonate or carbonatized horizons. "Rip-up" clasts are also reactive. A 2cm clay seam at 184.98-185.00 dips at 55° to the core axis marking a fault.	5330	1	184.81	185.71	0.90			tr.		
			5331	1	185.71	186.53	0.82			tr.		
			5332	1	186.53	187.15	0.62			tr.		
187.15	193.14	MAIN SILICIFIED ZONE										
		Purple-grey to greyish green, aphanitic to very fine grained, moderately brecciated and variably silicified. Strictly speaking, the main silicified zone is very poorly developed and might be better labelled a transitional-type zone. All silicified rock is strongly reactive to HCl reflecting incomplete silicification. This reactiveness is also noted in seams and patches of green chloritized rock. A moderate to strongly silicified zone is located at 189.42-191.93 meters. This zone carries higher pyrite contents, up to 7% locally, averaging 3%. Pyrite is present as a very fine dissemination.	5333	1	187.15	188.01	0.86			tr.		
			5334	1	188.01	188.82	0.81			tr.		
			5335	1	188.82	189.42	0.60			tr.		
			5336	2-3	189.42	189.92	0.50			0.16		
			5337	2-4	189.92	190.53	0.61			0.17		
			5338	1-3	190.53	191.30	0.77			0.10		
			5339	2-3	191.30	191.93	0.63			0.19		
			5340	1-2	191.93	192.58	0.65			0.01		
			5341	1-2	192.58	193.14	0.56			0.01		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-58 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
193.14	219.42	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green and very fine grained with abundant greenish grey to grey aphanitic silicified seams and sections up to 30cm in length. Silicified rock is generally brecciated and is strongly reactive to HCl. Green chloritized rock is only weakly reactive. As brecciation decreases down-hole, silicification decreases and the rock becomes weakly laminated. Pyrite content, as a very fine dissemination, is highest in silicified rock. Major silicified intervals are noted at 196.63-196.93, 197.02-197.20, 197.61-197.80, 199.87-200.46, 202.30-202.49, 202.66-202.76, 207.13-207.35, 215.30-215.42, 215.65-215.75, 215.98-217.77, 218.10-219.22 meters. Below 206.60 meters, some relic laminations are visible despite the brecciation: 35° at 206.85; 30° at 208.05; 25° at 208.95; 30-35° at 215.40 and 40° at 217.80 meters. 193.14-196.63: 10% silicified breccia. 196.63-208.05: 50-75% silicified breccia. 208.05-210.20: 50% silicified breccia. 210.20-215.30: 10-25% silicified breccia. 215.30-219.42: greater than 75% silicified breccia.	5342	1	193.14	193.89	0.75			0.01	
			5343	1	193.89	194.76	0.87			0.01	
			5344	1	194.76	195.66	0.90			0.01	
			5345	1	195.66	196.63	0.97			tr.	
			5346	1-2	196.63	197.20	0.57			tr.	
			5347	1	197.20	198.03	0.83			0.01	
			5348	1	198.03	198.85	0.82			tr.	
			5349	1	198.85	199.87	1.02			tr.	
			5350	1-2	199.87	200.66	0.79			0.08	
			5351	1-2	200.66	201.46	0.80			0.01	
			5352	1	201.46	202.32	0.86			0.10	
			5353	1	202.32	203.10	0.78			0.01	
			5354	1	203.10	203.95	0.85			0.01	
			5355	1	203.95	204.90	0.95			0.02	
			5356	1	204.90	205.78	0.88			0.03	
			5357	1	205.78	206.65	0.97			0.05	
			5358	1	206.65	207.45	0.80			0.03	
			5359	1	207.45	208.05	0.60			tr.	
			5360	1	208.05	208.95	0.90			tr.	
			5361	1	208.95	209.80	0.85			tr.	
			5362	1	209.80	210.68	0.88			tr.	
			5363	1	210.68	211.60	0.92			tr.	
			5364	1	211.60	212.43	0.83			tr.	
			5365	1	212.43	213.35	0.92			tr.	
			5366	1	213.35	214.25	0.90			0.06	
			5367	1	214.25	215.10	0.85			0.01	
			5368	1	215.10	216.00	0.90			0.01	
			5369	2-3	216.00	216.85	0.85			0.06	
			5370	2-3	216.85	217.77	0.92			0.12	
			5371	1	217.77	218.10	0.33			0.01	
			5372	1-3	218.10	219.22	1.12			0.14	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-58 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
219.42	234.06	SEDIMENTS									
		Medium to dark green, fine to very fine grained and well laminated with alternating green and grey bands on a mm scale. Greyish bands are weakly silicified initially and are moderately reactive to HCl. With depth, carbonatization becomes more prevalent throughout the rock. Weak silicification of carbonate alteration is noted at 229.17-229.37 meters with up to 2% very finely disseminated pyrite. A small clay coated fault plane is noted at 224.31 meters dipping at 45° to the core axis.	5373	0-1	219.22	220.14	0.92			0.02	
			5374	1	220.14	221.01	0.87			0.01	
			5375	1	221.01	221.89	0.88			0.01	
			5376	1	221.89	222.77	0.88			0.01	
			5377	0-1	222.77	223.68	0.91			0.01	
			5378	0-1	223.68	224.69	1.01			tr.	
			5379	0-1	224.69	225.55	0.86			tr.	
			5380	0-1	225.55	226.40	0.85			tr.	
			5381	0-1	226.40	227.40	1.00			tr.	
			5382	0-1	227.40	228.36	0.96			tr.	
			5383	0-1	228.36	229.17	0.81			0.01	
			5384	1	229.17	230.07	0.90			0.01	
			5385	0-1	230.07	230.95	0.88			tr.	
			5386	0-1	230.95	231.90	0.95			tr.	
			5387	0-1	231.90	232.85	0.95			0.01	
			5388	0-1	232.85	233.62	0.77			0.01	
			5389	0-1	233.62	234.06	0.44			0.01	

Bedding laminations: (angle measured with respect to core axis)

219.55 m: 45°	220.75 m: 45°	222.00 m: 20-25°
224.95 m: 40-45°	226.20 m: 45°	228.00 m: 60°
229.05 m: 50°	230.10 m: 40-45°	234.05 m: 65°

234.06 meters END OF HOLE

CASING PULLED

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc-84-59 LENGTH: 244.45 meters
LOCATION:
LATITUDE: 8 + 50 E DEPARTURE: 1 + 70 S
ELEVATION: AZIMUTH: 344° DIP: -65°
STARTED: February 28, 1984 FINISHED: March 5, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°		182.88	-55°	
45.72	-64°		237.74	-49°	
91.44	-62°				
137.16	-61°				

HOLE NO. Mc-84-59 SHEET NO. 1 OF 9
REMARKS: BQ Core
Split for analysis

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	14.05	OVERBURDEN									
14.05	149.53	BASALT Dark green to grey-green and fine grained with abundant medium grained phases. Aphanitic, often silicified zones are associated with flow margins. Flow tops are marked by vesicular sections. Individual vesicules up to 1cm are noted, decreasing in size with depth. Average 0-1% pyrite; occasionally increasing up to 2% locally. Pyrite is found as blebs up to 1mm and more rarely up to 3mm. The uppermost flows are massive and overly the pillowed sequence. 14.05 - 15.50: fine to very fine grained and vesicular massive flow. 15.50 - 22.75: fine grained massive flow. 22.75 - 32.25: medium grained massive flow. Occasional white carbonate stringers up to 1cm in width and silicified epidotized seams (shears) up to 5mm in width. Hornblende crystals up to 4mm are noted locally. 32.25 - 35.71: medium grained with abundant fine grained patches. Coarser grained sections seem to have a cumulative texture in mafic minerals. 35.71 - 42.15: fine grained massive flow with occasional medium grained sections up to 5cm thickness. 42.15 - 44.75: medium grained massive flow. 44.75 - 47.92: medium to coarse grained massive flow with amphiboles up to 1cm and occasional fine grained rounded rock fragments up to 3cm. 47.92 - 49.40: medium grained massive flow.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		49.40 - 64.30: fine grained massive flow. A quartz vein carrying angular basalt fragments up to 3cm is located at 54.98-55.19 meters - silica may be from late-stage fluids circulating in flow.									
		64.30 - 66.30: fine to very fine grained flow with increasing number of silicified epidotized fractures. A quartz epidote vein at 64.60-64.48 is a possible shear developed due to differential flowage.									
		66.30 - 76.65: fine grained massive flow, weakly to moderately fractured.									
		76.65 - 77.28: fine to very fine grained basal flow.									
		77.28 - 78.95: aphanitic silicified flow, abundant epidotization; carries 2-3% very finely disseminated pyrite. Probable flow contact at 78.95 meters.									
		78.95 - 79.35: very fine grained to aphanitic with abundant angular breccia fragments up to 3cm in size - flow top breccia.									
		79.35 - 79.70: very fine grained and vesicular with sub-angular to rounded flow breccia fragments up to 7cm in size. Fragments exhibit well developed reaction rims.									
		79.70 - 84.55: fine grained massive flow.									
		84.55 - 86.70: very fine grained to aphanitic, locally silicified.									
		86.70 - 86.80: 5-10cm grey gritty siliceous seam cuts the core axis at 20° marking a flow contact.									
		86.80 -132.02: fine to very fine grained, medium to light green, pillowed flow. Selvages tend to be narrow (1-2cm), epidotized and silicified with minor free quartz. Pillow interiors are often vesicular and weakly silicified. Rims occasionally carry 1-2% very finely disseminated pyrite. The zone from 90.40-91.05 meters is ground core with 75% recovery. A zone, sheared at 25° to the core axis, is located at 113.35-113.45 meters.									
		132.02-132.20: fine grained breccia zone - base of pillowed flow.									
		132.20-134.80: fine to very fine grained, locally silicified and epidotized seams.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		134.80-137.40: fine grained massive flow.									
		137.40-144.00: medium grained massive flow with occasional epidotized shear planes up to 1cm in width.									
		144.00-145.40: fine grained massive flow.									
		145.40-146.31: very fine grained flow aphanitic locally.									
		146.31: possible flow contact at 35° to the core axis.									
		146.31-149.05: dark green very fine grained, finely brecciated flow (probably flow brecciated). Angular to sub-angular fragments up to 2cm. Zone carries 1% pyrite as blebs up to 2mm.									
		149.05-149.53: fine grained, weakly sheared flow.									
149.53	150.45	QUARTZ VEIN									
		White bull quartz with minor included country rock near contacts. Pyrite cubes up to 4mm are noted near the contacts associated with dark green debris.									
150.45	165.67	SEDIMENTS									
		Dark green fine to very fine grained and weakly to moderately laminated. The section carries abundant volcanic debris locally as pale green fragments (sometimes silicified or carbonatized), up to 3cm in size. Unit is probably highly tuffaceous. Abundant silicification is noted above 152.80 meters carrying elevated pyrite contents of 3-4% over the 1% average. This alteration zone formed as a result of heat from the overlying flows. Carbonatization is moderate locally as a patchy replacement; possibly of fragments and/or sets of laminations. Carbonatized lamination sets pinch and swell along the bedding. The rock is weakly to moderately magnetic locally as a consequence of magnetite concentrated along alternating laminations - most apparent below 160.85 meters with some magnetite seams up to 4mm in thickness concordant to bedding.	5390	1-2	150.45	151.34	0.89			tr.	
			5391	2-3	151.34	152.30	0.96			tr.	
			5392		152.30	153.30	1.00			tr.	
			5393	1-2	153.30	154.30	1.00			tr.	
			5394	1-2	154.30	155.30	1.00			tr.	
			5395	1	155.30	156.35	1.05			tr.	
			5396	1	156.35	157.35	1.00			tr.	
			5397	1	157.35	158.26	0.91			tr.	
			5398	1	158.26	159.21	0.95			tr.	
			5399	1	159.21	160.21	1.00			tr.	
			5400	1	160.21	161.15	0.94			tr.	
			5401	1	161.15	162.12	0.97			tr.	
			5402	1	162.12	163.12	1.00			tr.	
		150.45-163.12: laminated to moderately foliated; 65-70° at 153.15; 60° at 155.30 and 55° at 157.25 m.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		163.12-164.25: well laminated with magnetite interlaminations; 60° to core axis at 163.15 meters and 55° to core axis at 164.20 meters.	5403	1	163.12	164.25	1.13			tr.		
		164.25-165.67: weakly brecciated and moderately silicified locally with pink colouration. Becomes fine to medium grained below 164.95 meters and carbonatization increases in this lower part. Weakly laminated to moderately foliated at 55° to the core axis. May be very slightly magnetic.	5404	1	164.25	164.97	0.72			tr.		
			5405	1	164.97	165.67	0.70			tr.		
165.67	172.67	BASALT Medium to dark green and fine grained with many very fine grained to aphanitic phases. A gritty, finely brecciated and moderately chloritized zone marks the flow top at 165.67-166.95 meters. Below this lies a moderately to strongly flow brecciated section. Fragments are up to 7cm in size and exhibit moderate rounding with 1-5mm reaction rims. Fragments are paler green in colour as a result of weak silicification. The flow is non-magnetic. Some sections up to 1.5 meters are marked by strong shrinkage fracturing with white carbonate filling.	5406	2-3	172.67	173.55	0.88			tr.		
172.67	181.82	SEDIMENTS Dark green fine to very fine grained. The uppermost 2.9m is reddish green and very fine grained to aphanitic. The uppermost section is silicified due to the overlying flow, with higher pyrite contents of 2-5% over the average of 1%. Silicification decreases with depth. The lower part of the unit is normal in appearance although non-laminated. Some increase in grain size is apparent below 178.08 meters although the rock remains fine grained. A moderate degree of pervasive carbonatization is noted. A weak foliation at 35° to the core axis is observed locally.	5407	2-3	173.55	174.40	0.85			tr.		
			5408	2-3	174.40	175.02	0.62			tr.		
			5409	1-3	175.02	175.60	0.58			tr.		
			5410	1	175.60	176.40	0.80			tr.		
			5411	1	176.40	177.20	0.80			tr.		
			5412	1	177.20	178.05	0.85			tr.		
			5413	1	178.05	178.95	0.90			tr.		
			5414	1	178.95	179.81	0.86			tr.		
			5415	1	179.81	180.58	0.77			tr.		
			5416	1	180.58	181.26	0.68			tr.		
			5417	1	181.26	181.82	0.56	(actual	0.48)	tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
181.82	222.41	MAIN MINERALIZED ZONE This zone is composed of variably silicified marginal units which flank a highly silicified core. In the case of this hole, the core is unusual in that it carries two silicified members separated by approximately 5m of transitional-type rock. Pyrite contents up to 7% are noted in highly silicified rock. The zone averages 2% pyrite mostly as a fine dissemination.									
181.82	183.03	TRANSITIONAL SILICIFIED SEDIMENTS Dark green fine to very fine grained and non-laminated with abundant pale grey to purple-grey moderately to strongly silicified clasts up to 2cm in size. These fragments are probably rip-up clasts derived from the underlying main silicified zone. They have a moderate reactiveness to HCl and were originally carbonate prior to silicification. A 1cm green clay filled fault plane is noted at 182.82 meters. In general, the degree and amount of silicification increases down-section within this unit.	5418 5419	0-1 0-1	181.82 182.35	182.35 183.03	0.53 0.68			tr. tr.	
183.03	197.73	MAIN SILICIFIED ZONE Honey and pale pink coloured to purple-grey with 5% green chloritized seams up to 2cm in thickness locally. The rock is aphanitic where silicified; very fine grained where non-silicified. The zone is moderately to strongly brecciated, but brecciation has occurred along individual laminations. The original fabric of the rock is locally preserved (eg. 50-55° at 183.40 meters). Breccia fragments are highly angular but have undergone little rotation - small fragments can often be reassembled into larger ones. Pyrite contents up to 7% are noted as a very fine dissemination, as 1-2mm cubes, and occasionally as small clots up to 2mm in size. 183.03-184.70: generally honey coloured with abundant purple-grey seams; 2-4% pyrite. 184.70-185.16: mostly purple-grey intensely silicified breccia.	5420 5421 5422 5423 5424 5425 5426 5427 5428 5429 5430 5431	2-4 2-4 1-2 0-1 1 1 1 1 1 1-2 3-5 2-3	183.03 183.67 184.44 185.16 186.05 187.04 188.02 188.87 189.77 190.65 191.41 192.15	183.67 184.44 185.16 186.05 187.04 188.02 188.87 189.77 190.65 191.41 192.15 192.85	0.64 0.77 0.72 0.89 0.99 0.98 0.85 0.90 0.88 0.76 0.74 0.70			0.07 0.09 0.04 0.07 0.06 0.07 0.01 0.01 0.04 0.09 0.07 0.09	0.058 9.82 (32.2')

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		185.16-185.47: selective silicification of individual laminations; zone is 25% chloritized and well laminated at 35° to the core axis.	5432	1-2	192.85	193.41	0.56			0.01	
			5433	1-2	193.41	194.24	0.83			0.01	
		185.47-186.05: strongly silicified fragments up to 3cm are supported in a generally chloritized matrix; 75-80% of the rock is silicified.	5434	1-2	194.24	195.05	0.81			0.08	
			5435	1-2	195.05	195.63	0.58			0.01	
			5436	1-2	195.63	196.36	0.73			0.01	
		186.05-186.31: patchy purple-grey silicification.	5437	1-2	196.36	197.01	0.65			0.01	
		186.31-187.02: selective silicification of individual laminations.	5438	1-2	197.01	197.73	0.72			0.01	
		187.02-192.65: purple-grey strongly silicified breccia with honey coloured angular fragments up to 1cm in size; zone carries up to 7% pyrite locally.									
		192.65-192.85: moderate to strongly silicified, well laminated at 30° to core axis; probably tuffaceous.									
		192.85-193.41: abundant cream to honey coloured laminations and fragments; abundant purple-grey silicified breccia - 75% silicified 25% chloritized.									
		193.41-193.96: purple-grey silicified breccia.									
		193.96-197.73: purple-grey silicified breccia with abundant honey coloured fragments and 10% green chloritized seams. The zone is laminated locally (eg. 70° to core at 196.95 meters).									
197.73	202.66	TRANSITIONAL SILICIFIED SEDIMENTS									
		Medium to dark green fine to very fine grained with abundant dark purple-grey to honey coloured intensely silicified breccia zones. Silicification is spatially controlled by brecciation. Silicification content decreases with depth especially below 199.85 meters. Green, non-silicified rock is moderately chloritized and weakly carbonatized and tends to be well foliated. Parting is well developed parallel to foliation (eg. 50° to core axis at 200.50 meters). The rock is well laminated locally with selective silicification of individual laminations (eg. 45° to core axis at 199.95 meters). The largest silicified section is located at 198.88-199.85 meters.	5439	1	197.73	198.50	0.77			tr.	
			5440	1-2	198.50	199.23	0.73			tr.	
			5441	1-2	199.23	199.86	0.63			0.03	
			5442	1	199.86	200.69	0.83			tr.	
			5443	1	200.69	201.61	0.92			tr.	
			5444	1	201.61	202.66	1.05			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
202.66	207.78	LOWER SILICIFIED ZONE									
		Purple-grey with abundant angular honey coloured fragments up to 1cm in size. Section carries 10% green chloritized rock initially but the percentage of chloritization rapidly decreases with depth. Silicified rock carries an average of 1-2% pyrite as a very fine dissemination of 0.1 mm blebs. The zone from 205.35-205.62 is composed of honey coloured silicified fragments and beds similar to the material in the upper transition zone at 181.82-183.03 meters.	5445	1	202.66	203.50	0.84			tr.	
			5446	1-2	203.50	204.33	0.83			tr.	
			5447	1-2	204.33	205.18	0.85			tr.	
			5448	0-1	205.18	205.67	0.49	(actual	0.44)	tr.	
			5449	2-3	205.67	206.30	0.63			tr.	
			5450	2-3	206.30	206.84	0.54			0.01	
			5451	1-2	206.84	207.78	0.94			0.01	
		202.66-205.35: purple-grey silicified breccia with 5-10% chloritized seams.									
		205.35-205.67: silicified carbonate(?) beds and lenses.									
		205.67-206.84: purple-grey intensely silicified tuffaceous sequence with clasts up to 2mm in size.									
		206.84-207.78: purple-grey and silicified with occasional dark green chloritized seams parallel to the laminations. Bedding is well developed at 60° to the core axis (eg. 207.10 meters). The percentage of chloritized rock increases with depth. The lower contact is somewhat arbitrary.									
207.78	222.41	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green fine to very fine grained and weakly to moderately chloritized. The section carries 43% purple-grey silicified breccia zones. The best developed section of silicification is from 218.30-220.10 meters. Silicification is controlled mostly by brecciation in sections up to 70cm thickness. The unit as a whole is well laminated between brecciated intervals. Pyrite content averages 1% with increases up to 4% in silicified rock. Pyrite is found as a very fine dissemination (less than 0.1mm blebs), as grains up to 2mm and occasionally as 2-3mm clots of smaller grains. Carbonatization is weak but pervasive except in strongly silicified breccia, where it might be masked by silicification. Selective carbonate alteration has often affected individual laminations. Major silicified breccia horizons are located at 211.34-211.46;	5452	1	207.78	208.63	0.85			0.01	
			5453	1	208.63	209.53	0.90			0.01	
			5454	1	209.53	210.42	0.89			0.01	
			5455	1	210.42	211.36	0.94			0.01	
			5456	1-2	211.36	212.22	0.86			0.02	
			5457	1	212.22	213.07	0.85			0.09	
			5458	1	213.07	213.81	0.74			0.02	
			5459	1-2	213.81	214.57	0.76			0.01	
			5460	1-2	214.57	215.46	0.89			0.01	
			5461	1	215.46	216.30	0.84			0.01	
			5462	1	216.30	217.13	0.83			0.03	
			5463	2	217.13	217.71	0.58			0.01	
			5464	1-2	217.71	218.57	0.86			0.02	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		211.96-212.22; 213.21-213.36; 213.51-213.66; 213.81-214.12; 214.51-214.94; 215.68-215.95; 216.13-216.40; 216.58-216.85; 217.13-217.71; 218.60-218.76; 218.82-220.10; 220.23-220.72 and 221.56-222.05 m.	5465	1-2	218.57	219.31	0.74			0.01		
			5466	1-2	219.31	220.10	0.79			0.01		
			5467	2-3	220.10	220.72	0.62			0.09		
		Bedding Laminations: (angle measured with respect to core axis)	5468	1	220.72	221.50	0.78			0.01		
		207.85 m: 60-65° 208.60 m: 45°	5469	1	221.50	222.41	0.91			0.01		
		212.95 m: 45° 214.05 m: 40°										
		215.60 m: 45-50° 218.37 m: 40-45°										
		221.50 m: 45°										
		207.78-212.40: 15% silicified breccia.										
		212.40-218.30: 50% silicified breccia.										
		218.30-220.10: 90% silicified breccia.										
		220.10-222.41: 45% silicified breccia.										
222.41	241.27	SEDIMENTS	5470	0-1	222.41	223.24	0.83			0.01		
			5471	0-1	223.24	224.19	0.95			0.01		
		Medium to dark green, fine to very fine grained, weakly to moderately chloritized and variably laminated along the bedding. Occasional zones of purple-grey strongly silicified breccia (eg. 224.33-224.39), with a major zone of localized weakly silicified breccia (moderately carbonatized), at 233.92-234.73 meters. Laminations are more localized in development below 235.00 meters. A gritty clay filled shear is noted at 239.50 meters. The zone from 228.51-228.64 is 50% lost core due to grinding.	5472	0-1	224.19	225.13	0.94			tr.		
			5473	0-1	225.13	226.09	0.96			tr.		
			5474	1	226.09	227.00	0.91			tr.		
			5475	1	227.00	227.96	0.96			tr.		
			5476	1	227.96	228.92	0.96			tr.		
			5477	1	228.92	229.83	0.91			tr.		
			5478	1	229.83	230.80	0.97			tr.		
			5479	0-1	230.80	231.76	0.96			tr.		
			5480	0-1	231.76	232.77	1.01			tr.		
		Bedding Laminations: (angle measured with respect to core axis)	5481	0-1	232.77	233.92	1.15			tr.		
		222.45 m: 50° 223.65 m: 45°	5482	1	233.92	234.73	0.81			0.02		
		224.50 m: 55-60° 225.55 m: 55°	5483	0-1	234.73	235.69	0.96			0.01		
		227.00 m: 55° 228.95 m: 55°	5484	0-1	235.69	236.60	0.91			tr.		
		230.65 m: 55° 233.80 m: 55°	5485	0-1	236.60	237.59	0.99			tr.		
		238.65 m: 45°	5486	0-1	237.59	238.57	0.98			tr.		
241.27	244.45	BASALT	5487	0-1	238.57	239.59	1.02			tr.		
			5488	0-1	239.59	240.48	0.89			tr.		
		Dark green, very fine grained to aphanitic with occasional medium green weakly to moderately silicified patches up to 3cm in size. The flow is not well defined near the upper contact but is flow brecciated below 243.30 meters. The unit carries abundant quartz as	5489	0-1	240.48	241.27	0.79			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-59 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		a void filling in the upper 1.7m of the flow. Some druzy quartz is noted in these openings. The flow is non-magnetic and only weakly carbonatized locally.										
		244.45 meters END OF HOLE										
		CASING PULLED										

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermottt - Hennessy
HOLE NO. Mc-84-60 LENGTH 211.47 meters
LOCATION
LATITUDE 6 + 50 E DEPARTURE 1 + 28 S
ELEVATION AZIMUTH 344° DIP -65°
STARTED March 5, 1984 FINISHED March 8, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°		178.92	-62°	
45.72	-65°		211.53	-60°	
91.44	-61°				
137.16	-64°				

HOLE NO. Mc-84-60 SHEET NO. 1 OF 7
REMARKS BO Core
Split for analysis

LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	12.19	OVERBURDEN										
12.19	122.43	BASALT Medium to dark green often grey-green, fine grained with abundant medium grained phases, and more rarely very fine grained to aphanitic phases. Flow centers are coarsest grained. The uppermost flows are massive and overly a pillowed flow which gives way downward to other massive flows. Occasional beds of sediments mark the section between flows. Zone averages 0-1% pyrite. 12.19 - 19.46: fine to medium grained. 19.46 - 20.20: weakly sheared flow at 40-45° to the core axis, fine grained. 20.20 - 22.85: fine grained flow. 22.85 - 23.45: weakly brecciated with white carbonate filling dilatant-type fractures. 23.45 - 31.20: fine grained massive flow. 31.20 - 32.92: fine to medium grained massive flow. 32.92 - 33.70: fine to very fine grained massive flow with minor epidotized silicified seams up to 2cm. 33.70 - 74.99: pillowed flow - fine to very fine grained, vesicular, with abundant 1-2mm hyaloclastite seams in pillow selvages. Minor silicified breccia locally in 10-15cm seams. A 60cm section of ground core is noted at 50.00-50.60 meters. From 72.00-73.00 pillow selvages and fractures are strongly hematized. 74.99 - 75.43: Sediments? Pale to medium green, fine to very fine grained and silicified.											

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 2 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		75.43 - 83.70: fine to very fine grained, weakly brecciated vesicular massive flow.										
		83.70 - 86.10: fine grained flow.										
		86.10 - 93.78: fine to very fine grained becoming increasingly brecciated with depth, particularly below 91.35 m. Section carries 2-3% pyrite locally in narrow silicified sections.										
		93.78 - 95.00: very fine grained to aphanitic massive flow with vesicules up to 1cm.										
		95.00 - 98.00: very fine grained massive flow, strongly vesicular with vesicules up to 2mm which are black chlorite filled. Number of vesicules decreases below 97.30 meters.										
		98.00 - 98.99: fine grained massive flow.										
		98.99 - 99.13: very fine grained laminated zone - possible sediments with a flow contact at 50° to the core axis.										
		99.13 -100.00: very fine grained flow, weakly brecciated.										
		100.00-102.10: fine to very fine grained, weakly brecciated massive flow.										
		102.10-103.50: fine grained strongly brecciated flow.										
		103.50-104.18: very fine grained massive flow.										
		104.18-104.42: aphanitic, weakly silicified and epidotized flow.										
		104.42-104.57: SEDIMENTS - dark green with greyish silicified laminations and 2-3% pyrite locally. Bedding is well developed at 35-40° to the core axis.										
		104.57-117.60: flow brecciated with medium to dark green sub-angular to sub-round fragments up to 15cm in size. These fragments are reaction rimmed, are generally very fine grained to aphanitic, and are vesicular at 115.85-116.35 meters. Below 116.50 m, fragments are fewer in number.										
		117.60-122.43: fine to very fine grained massive flow with abundant silicified epidotized fragments up to 3cm in size. These fragments are well rounded and pinkish green in colour; probably derived from the underlying sediments.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 3 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
122.43	142.57	SEDIMENTS	C								
			5490	0-1	122.43	123.28	0.85			0.01	
		Dark green, fine to very fine grained and well laminated above	5491	0-1	123.28	124.23	0.95			0.01	
		124.30 meters. Bedding laminations are irregularly developed below	5492	1	124.23	125.11	0.88			0.01	
		this point. A moderate to strong foliation is developed throughout.	5493	1	125.11	126.01	0.90			0.01	
		Minor highly localized silicification is noted surrounding fractures	5494	1	126.01	126.87	0.86			tr.	
		as 1cm wide halos. A 10cm moderately silicified zone of laminations	5495	1	126.87	127.76	0.89			tr.	
		is located at 128.46-128.53 meters. Bands within this zone contain	5496	1	127.76	128.69	0.93	(actual	0.83)	0.01	
		nodular shapes which have been silicified but which remain weakly	5497	1	128.69	129.66	0.97			0.01	
		reactive to HCl. Similar reactive zones are located at	5498	1	129.66	130.51	0.85			0.01	
		131.34-131.49 and 139.60-139.68 meters. The rock is extremely vuggy	5499	1	130.51	131.34	0.83			tr.	
		from 125.91-126.47 meters. A very well laminated zone is noted at	5500	1	131.34	132.21	0.87			tr.	
		127.70-128.40 meters. Bedding within this is at 50° to the core	5501	1	132.21	133.13	0.92			tr.	
		axis. Throughout the section, the rock is moderately to strongly	5502	1	133.13	134.00	0.87			tr.	
		carbonatized with grey carbonate alteration feathering out along	5503	1	134.00	134.91	0.91			tr.	
		laminations. Carbonate bearing fluids have locally brecciated the	5504	1	134.91	135.90	0.99			tr.	
		rock to form veinlets up to 2cm in width.	5505	1	135.90	136.86	0.96			tr.	
		Bedding Laminations: (angle measured with respect to the core axis)	5506	1	136.86	137.84	0.98			0.01	
		122.60 m: 55-60° 124.15 m: 50-55°	5507	1	137.84	138.66	0.82			0.01	
		127.25 m: 30-35° 127.95 m: 50°	5508	1	138.66	139.60	0.94			tr.	
		131.60 m: 40-45° 133.80 m: 30°	5509	1	139.60	140.55	0.95			0.01	
		136.30 m: 30-35°	5510	1	140.55	141.67	1.12	(actual	0.97)	0.01	
			5511	1	141.67	142.57	0.90			0.01	
142.57	163.89	MAIN MINERALIZED ZONE									
		The main silicified zone is well developed and contains up to 10% pyrite locally, mostly as a very fine dissemination. This zone is flanked by transitional zones which carry lower pyrite contents and are more variably silicified. The total thickness of the main mineralized zone is notably less than average.									
142.57	144.58	TRANSITIONAL SILICIFIED SEDIMENTS	5512	6-8	142.57	143.10	0.53			0.01	
			5513	1	143.10	143.33	0.23			0.01	
		Cream to honey coloured and purple-grey, intensely silicified rock	5514	4-6	143.33	143.76	0.43			0.08	
		with a few dark green gritty chloritized zones. Silicification is	5515	2-3	143.76	144.58	0.82	(actual	0.72)	0.02	
		limited to clasts up to 2cm in size which are supported in chloritized rock. These fragments are weakly to moderately									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 4 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON Rech.
		reactive to HCl and are generally oriented parallel to a well developed foliation (eg. 30° at 144.38 meters). A fine clastic (tuffaceous) texture is well exhibited in honey coloured rock. Silicified rock carries highly elevated pyrite contents (10%) as compared to the average 1% in chloritized rock. 142.57-143.10: honey coloured to purple-grey intensely silicified breccia with minor free quartz and up to 10% pyrite. 143.10-143.33: dark green with 10% cream coloured silicified fragments - possible rip-up clasts. 143.33-143.76: same as 142.57-143.10 m. - up to 7% pyrite. 143.76: 1cm clay filled fault plane at 50° to the core axis. 143.76-144.58: abundant (50-60%) cream coloured silicified fragments up to 10cm in size are set in a green chloritized groundmass. Smaller clasts are well foliated at 30° to the core axis (eg. 144.38 m).									
144.58	151.85	MAIN SILICIFIED ZONE Purple-grey intensely silicified breccia with abundant honey coloure seams and sections up to 60cm in width. The rock is aphanitic and generally non-laminated (due to brecciation). Pyrite contents up to 10% are noted and are highest in honey coloured rock. Pyrite is present as a very fine dissemination and as clots up to 5mm. 144.58-144.89: honey coloured, feldspathized(?); up to 10% pyrite mostly as a very fine dissemination. 144.89-145.87: purple-grey with honey coloured seams and patches up to 3cm in width. 145.87-146.29: brownish red, aphanitic, highly siliceous zone - chemical sediment(?). 146.29-147.58: honey coloured silicified breccia with 10-20% relic purple-grey zones; 3-4% pyrite. 147.58-149.50: intensely silicified breccia, dominantly purple-grey with minor honey coloured intervals and halos surrounding fractures. Pyrite is mostly tied up in honey coloured rock.	5516	8-10	144.58	144.89	0.31			0.03	
			5517	2-3	144.89	145.87	0.98			tr.	
			5518	0-1	145.87	146.29	0.42			tr.	
			5519	3-4	146.29	146.99	0.70			0.14	0.13
			5520	3-4	146.99	147.58	0.59			0.17	0.15
			5521	1-2	147.58	148.27	0.69			0.02	0.03
			5522	1-2	148.27	149.02	0.75			0.01	0.01
			5523	1-2	149.02	149.50	0.48			0.01	0.02
			5524	3-5	149.50	150.07	0.57			0.03	0.02
			5525	2-4	150.07	150.84	0.77			0.01	tr.
			5526	2-4	150.84	151.59	0.75			0.01	tr.
			5527	1-3	151.59	151.85	0.26			0.05	0.05

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 5 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		149.50-150.07: increased honey coloured silicified breccia with elevated pyrite - up to 8% locally.									Rech.
		150.07-151.59: same as 147.58-149.50 meters, but with clots of pyrite up to 1.5cm and up to 10% pyrite locally.									
		151.59-151.85: purple-grey intensely silicified breccia with lower pyrite contents - up to 3% locally.									
151.85	163.89	TRANSITIONAL SILICIFIED SEDIMENTS									
			C								
		Medium to dark green, fine to very fine grained chloritized clastic rock with varying amounts of honey to purple-grey intensely silicified breccia. The rock has a well developed foliation locally which is accented by the orientation of mafic minerals (eg. 45° at 154.00 meters). Occasional silicified breccia seams decrease in number and in size with depth. Pyrite content averages 1% with 2-3% in silicified rock. The section is weakly laminated locally (eg. 50-55° at 157.90 meters). Major silicified breccia zones are located at 152.45-152.70 m; 152.88-153.38; 155.07-155.13 and 156.72-156.79 meters.	5528	1-2	151.85	152.76	0.91			0.01	0.01
			5529	1-3	152.76	153.38	0.62			tr.	
			5530	1	153.38	154.10	0.72			tr.	
			5531	1	154.10	155.00	0.90			tr.	
			5532	1-2	155.00	155.93	0.93			tr.	
			5533	1-2	155.93	156.84	0.91			tr.	
			5534	1-2	156.84	157.80	0.96			tr.	
			5535	1	157.80	158.70	0.90			tr.	
			5536	1	158.70	159.28	0.58			tr.	
			5537	2-3	159.28	159.83	0.55			0.02	
			5538	2-3	159.83	160.49	0.66			0.07	
			5539	2-3	160.49	161.33	0.84			0.02	
			5540	1-3	161.33	162.10	0.77			0.02	
			5541	1-3	162.10	163.01	0.91			0.02	
			5542	1-2	163.01	163.89	0.88			0.01	
		151.85-158.38: 15% silicified breccia with up to 3% pyrite locally.									
		158.38-159.28: chloritized and weakly laminated/moderately foliated at 50° to the core axis.									
		159.28-159.83: 20-25% silicified breccia, up to 5% pyrite locally.									
		159.83-160.49: intensely silicified breccia. May represent a lower silicified unit. Angular to sub-angular fragments can be reassembled - almost no post-brecciation rotation. Fragments are honey coloured; the matrix to fragments is purple-grey and contains up to 5% pyrite locally, averaging 2-3%.									
		160.49-163.01: purple-grey tinted green chloritized rock with abundant orange and purple-grey silicified breccia. The rock is variably silicified throughout - approximately 75% silicified. The amount of silicified breccia decreases below 161.80 meters to 50%.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 6 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		163.01-163.89: green chloritized zone with 5% silicified halos surrounding fractures and traces of silicified breccia.									
163.89	200.00	SEDIMENTS	C								
		Dark green, fine to very fine grained with occasional fine to medium grained phases. The rock is well foliated, locally laminated, as highlighted by mafic mineral alignments and by nodular carbonate growths along the foliation. Locally, carbonate has coalesced into 1-2mm bands along the foliation (eg. 164.15 and 171.00 meters). In the overlying zone of transitional silicified sediments, this carbonate has been silicified. A finer grained ubiquitous form of carbonate due to carbonatization is variably developed and often patchy. A third form is occasionally found in 1-2cm wide patches of pink carbonate, possibly filling voids or as a form of massive carbonatization. These cross-cut but feather laterally into the foliation along the original bedding planes. Cream to yellowish, 0.1-0.5mm blebs speckle the core locally - possibly altered tuff shards. The shape is highly variable; some fragments are oriented along the foliation. Bedding laminations are noted locally, becoming better developed below 175.50m. The zone from 185.90-188.65 meters is well laminated. Traces of green clay and 50% ground core at 175.05-175.20 m may indicate a minor fault. The zone from 188.65-191.20 is weakly brecciated.	5543	1	163.89	164.82	0.93			0.01	
			5544	1	164.82	165.73	0.91			0.01	
			5545	1	165.73	166.62	0.89			0.01	
			5546	1	166.62	167.61	0.99			tr.	
			5547	1	167.61	168.58	0.97			tr.	
			5548	1	166.58	169.51	0.93			tr.	
			5549	0-1	169.51	170.47	0.96			tr.	
			5550	1	170.47	171.47	1.00			tr.	
			5551	0-1	171.47	172.44	0.97			tr.	
			5552	0-1	172.44	173.37	0.93			tr.	
			5553	0-1	173.37	174.31	0.94			tr.	
			5554	0-1	174.31	175.20	0.89			tr.	
			5555	0-1	175.20	176.17	0.97			tr.	
			5556	0-1	176.17	177.12	0.95			tr.	
			5557	0-1	177.12	178.09	0.97			tr.	
			5558	0-1	178.09	179.09	1.00			tr.	
			5559	0-1	179.09	180.10	1.01			tr.	
			5560	0-1	180.10	181.00	0.90			tr.	
			5561	0-1	181.00	181.97	0.97			tr.	
			5562	0-1	181.97	183.00	1.03			tr.	
			5563	0-1	183.00	183.97	0.97			0.01	
			5564	0-1	183.97	184.92	0.95			0.01	
			5565	1	184.92	185.83	0.91			0.01	
			5566	1	185.83	186.78	0.95			0.01	
			5567	0-1	186.78	187.78	1.00			0.01	
			5568	0-1	187.78	188.70	0.92			0.01	
			5569	0-1	188.70	189.65	0.95			0.01	
			5570	0-1	189.65	190.54	0.89			tr.	
			5571	0-1	190.54	191.53	0.99			tr.	
			5572	0-1	191.53	192.45	0.92			tr.	
			5573	0-1	192.45	193.47	1.02			tr.	
		Bedding Laminations: (angle measured with respect to core axis)									
		Foliation: 164.15 m: 35-40°									
		" 166.90 m: 40-45°									
		" 170.05 m: 45-50°									
		" 174.10 m: 30-35°									
		Lamination: 175.95 m: 35°									
		" 179.05 m: 30°									
		Foliation: 183.90 m: 30°									
		Lamination: 186.30 m: 55°									
		" 187.58 m: 55°									
		" 188.50 m: 70°									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott - Hennessy

HOLE NO. Mc-84-60 SHEET NO. 7 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Foliation: 191.50 m: 50° " 197.55 m: 40-45° Lamination: 198.95 m: 60-70°									
		Irregularly developed silicified breccia is noted below 164.60 meters with elevated pyrite contents. Silicification is weak to moderate in strength and the rock is moderately reactive to HCl. One zone at 194.62-194.72 meters carries 2-3% pyrite. The best zones are located at 195.64-196.26 (up to 8% pyrite), and at 196.60-196.70 meters (2-3% pyrite). The section averages 0-1% pyrite. Below 197.00 meters the rock is weakly foliated and brecciated locally. The lowermost 1.5m resembles the underlying volcanics but lacks specifically volcanic textures and structures. Fractures in this zone are strongly hematized. The lower contact is at an irregular pillow selvage.	C 5574 5575 5576 5577 5578 5579 5580	 0-1 1 2-4 1-2 0-1 0-1 0-1	 193.47 194.42 195.54 196.30 197.10 198.09 199.09	 194.42 195.54 196.30 197.10 198.09 199.09 199.95	 0.95 1.12 0.76 0.80 0.99 1.00 0.86			 tr. 0.01 0.11 0.04 0.01 0.01 0.01	
200.00	211.47	BASALT Medium to dark green with abundant pale green epidotized seams and patches, fine to very fine grained and pillowed. Abundant 1-4cm pillow rims are noted. Pillow size may be up to 1m. Interiors are strongly brecciated and weakly silicified with a variable degree of epidotization. Minor increases in pyrite are associated with pillow selvages. These selvages are black in colour where the volcanic glass has devitrified to chlorite. Pyrite averages 0-1% as blebs up to 1mm. The flow is non-carbonatized, non-magnetic, and fractures are often strongly hematized. A thin zone of sediments is noted at 208.80-211.30 meters as a dark green chloritized section, laminated at 55-60° to the core axis (eg. 210.90 meters). A volcanic block is noted within this sequence at 210.25-210.79 meters.										
		211.47 meters END OF HOLE CASING PULLED									

LANGRIDGE LIMITED - TORONTO - 366-1168

FORM 2

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott
HOLE NO. Mc-84-61 LENGTH 141.12 meters
LOCATION
LATITUDE 7 + 00 E DEPARTURE 0 + 82 S
ELEVATION AZIMUTH 344° DIP -60°
STARTED March 9, 1984 FINISHED March 14, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°				
45.72	-58°				

HOLE NO. Mc-84-61 SHEET NO. 1 OF 7
REMARKS BO Core
Split for analysis

LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	12.19	OVERBURDEN									
12.19	80.28	BASALT									

Dark green to grey-green, variably textured from fine to very fine grained, with occasional aphanitic and more often, medium grained phases. The coarsest textures are related to flow centers. Finest phases are generally associated with flow margins and rare 1-2cm silicified seams. These seams are often epidotized. A few 1-2cm white bull quartz veins are noted locally (1% of section).

12.19 - 19.00: fine to medium grained massive flow.
19.00 - 27.70: fine grained massive flow, generally very uniformly textured. Intensely silicified shears are noted at 23.00-23.06 (55° to core axis), and 25.30-25.40 meters.
27.70 - 39.18: fine to medium grained massive flow carries rare pinkish silicified xenoliths up to 1cm locally (eg. 35.82 meters).
39.18 - 41.30: fine grained, moderately fractured massive flow.
41.30 - 41.40: aphanitic flow.
41.40 - 41.45: white and grey laminated zone - possibly sediments.
41.45 - 42.50: aphanitic flow top breccia with angular very tight fragments up to 1.5cm in size. Very little rotation has occurred due to shatter-type brecciation. As a consequence very little magma has infiltrated the breccia. Fracture networks are carbonate filled locally.
42.50 - 56.11: welded flow breccia with abundant rounded, reaction rimmed fragments up to 5cm in size. Fragments are often vesicular. The matrix is alternately smaller

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 2 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		angular fragments and magma - often epidotized. the matrix is rarely pyritic but may carry clots up to 1cm in diameter.									
		56.11 - 56.62: pyroclastic zone - elongated fragments up to 3cm, largely tuffaceous, well foliated at 35° to the core axis.									
		56.62 - 59.10: flow top breccia with fragments up to 3cm.									
		59.10 - 74.80: fine to medium grained massive flow, possibly tuffaceous. The rock has a vague finely brecciated appearance locally with 1-2mm fragments. These clasts are surrounded by a matrix of coarser texture containing prismatic hornblendes up to 3mm (eg. 65.00 meters) - may be center of flow.									
		74.80 - 75.60: fine to very fine grained massive flow, moderately fractured.									
		75.60 - 75.93: very fine grained to aphanitic, locally silicified.									
		75.93 - 75.94: silicified seam, abundant free quartz carrying mafic fragments - probable flow contact at 45° to the core axis.									
		75.94 - 80.28: very fine grained, moderately to strongly brecciated massive flow.									
80.28	84.01	SEDIMENTS									
		Dark green, fine to very fine grained, laminated visibly where alteration (carbonatization) highlights the structure (eg. 35-40° near the upper contact). The rock is variably carbonatized throughout with carbonate alteration feathering out into the laminations. Occasional seams of silicification, up to 5mm in width, are locally noted concordant to the laminations, especially below 83.05 meters. Below this point, increased silicification of narrow breccia seams is observed.	5581	0-1	80.28	81.26	0.98			tr.	
			5582	0-1	91.26	82.23	0.97			tr.	
			5583	0-1	82.23	83.05	0.82			tr.	
			5584	0-1	83.05	83.52	0.47			tr.	
			5585	1	83.52	84.01	0.53			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 3 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
84.01	114.07	MAIN MINERALIZED ZONE This zone is located nearer the upper contact with volcanic rocks than is normal. The zone is well developed particularly the main silicified zone which carries up to 20% pyrite locally. The transitional silicified zones are well developed but carry relatively lower pyrite contents.	MMZ		84.01	114.07	30.06 TW= 25.5m (83.7')			0.021	
84.01	87.78	TRANSITIONAL SILICIFIED SEDIMENTS Dark green to purple-grey, fine to very fine grained becoming aphanitic in dark grey silicified rock. Silicification is limited to pink to cream coloured fragments up to 3cm in size, initially, and becomes more widespread with depth. These fragments are sub-angular and are supported in a dark green clastic matrix. All non-silicified rock tends to be chloritized. The lower part of this section is variably silicified, in general associated with brecciation or individual laminations. These laminations, reflecting original bedding are visible throughout the zone, highlighted by selective alteration of individual bands (eg. 45-50° at 84.90 meters). All silicified rock is moderately to strongly reactive to HCl indicating that silicification of carbonate has occurred. As silicification becomes more widespread, the rock as a whole (including chloritized zones), is moderately reactive. 84.01 - 84.15: abundant silicified clasts foliated at 40-45° to the core axis. 84.15 - 86.87: variably silicified and carbonatized clasts, some laminated rock. Abundant ground core. 86.87 - 87.58: zone includes some honey coloured intensely silicified rock which is reactive to HCl and carries 2-3% pyrite. 87.58 - 87.78: ground core - probable location of clay filled fault. NOTE: A sample was taken for thin sectioning at 85.68 meters.	5586 5587 5588 5589 5590	1 1 1 1 1-2	84.01 84.73 85.43 86.04 86.87 (20cm	84.73 85.43 86.04 86.87 87.78 ground	0.72 0.70 0.61 0.83 0.91 core @	87.58-87.78)		tr. tr. tr. 0.01 0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 4 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
87.78	101.91	MAIN SILICIFIED ZONE										
		Purple-grey and aphanitic, intensely silicified breccia with abundant aphanitic honey coloured patches and sections. Very little relic chloritized rock is noted. The section above 89.15 meters is moderately reactive to HCl whereas no reactiveness is observed towards the base of the zone. In silicified breccia, fragments are often rimmed with white silica which is also found as white halos surrounding fractures. Pyrite is found in concentrations up to 20%. It occurs as a very fine dissemination, or, in higher concentrations as aggregates of small grains up to 1cm in size and bands of pyrite along laminations.	5591	2-3	87.78	88.46	0.68		.057(	0.08		
			5592	2-3	88.46	89.07	0.61		2.05(	0.04		
			5593	2-3	89.07	89.83	0.76		6.7'(	0.05	NOTE:	
			5594	2-4	89.83	90.65	0.82			0.01	Degree of	
			5595	2-3	90.65	91.46	0.81			0.01	ground and	
			5596	2-3	91.46	92.33	0.87			0.01	broken core in	
			5597	1-3	92.33	93.19	0.86			0.01	this interval	
			5598	1-3	93.19	93.96	0.77			0.01	makes accurate	
			5599	1-3	93.96	94.72	0.76			0.01	reading of	
			5600	1-2	94.72	95.50	0.78			tr.	sample length	
			5601	2-3	95.50	96.40	0.90			tr.	somewhat	
			5602	3-5	96.40	96.93	0.53		(	0.11	difficult	
			5603	3-5	96.93	97.48	0.55		(	0.05		
			5604	0-1	97.48	98.02	0.54		0.072(	tr.		
			5605	2-4	98.02	98.95	0.93		4.01(	tr.		
			5606	10-15	98.95	99.68	0.73		13.2'(	0.15	)0.113	
			5607	10-15	99.68	100.41	0.73		(	0.12	)1.98	(6.5')
			5608	2-4	100.41	100.93	0.52			0.05	)	
			5609	2-3	100.93	101.34	0.41			0.01		
			5610	4-5	101.34	101.91	0.57			0.03		

89.63 - 90.75: 50% honey coloured rock with up to 5% pyrite locally.

93.33 - 93.63: minor (10-15%) relic chloritized rock.

94.72 - 95.50: 10-20% relic chloritization.

96.40 - 97.48: 50-75% honey coloured angular fragments set in a purple-grey intensely silicified matrix. Up to 8% pyrite is noted locally; the zone averages 3-5%.

97.48 - 98.02: chloritized zone of pink to cream to white coloured silicified fragments up to 1cm in size set in a chloritized groundmass. Clasts may have been ripped up from below. The amount of silicified clasts decreases up-section. Zone averages 0-1% pyrite.

98.02 - 98.99: very dark purple-grey, intensely silicified breccia. The uppermost 20cm carries two 1-2cm red siliceous bands - chemical sediments(?)

98.99 -100.41: mostly honey coloured rock with up to 20% pyrite locally - some pyritic replacement of individual laminations.

100.41-100.93: intensely silicified breccia alternating honey coloured and purple-grey.

100.93-101.15: irregular pods of relic chloritization up to several cm in width.

101.15-101.91: intensely silicified breccia; pyrite increases from 2-3% at the top to 8-10% near the base.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 5 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
101.91	114.07	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green, fine to very fine grained with abundant purple-grey and honey coloured intensely silicified breccia seams and sections up to 50cm width. The overall percentage of these zones tends to decrease down-section. Silicified breccia averages 1-2% whereas chloritized rock averages 0-1%.	5611	0-1	101.91	102.93	1.02			0.01	
			5612	1-3	102.93	103.73	0.80			tr.	
			5613	2-3	103.73	104.63	0.90			tr.	
			5614	1-3	104.63	105.50	0.87			tr.	
			5615	1-2	105.50	106.13	0.63			tr.	
			5616	1-2	106.13	106.88	0.75			tr.	
			5617	1-2	106.88	107.48	0.60			tr.	
			5618	1-2	107.48	108.05	0.57	(actual	0.50)	tr.	
			5619	1-2	108.05	109.01	0.96			tr.	
			5620	3-5	109.01	109.87	0.86			0.01	
			5621	8-10	109.87	110.27	0.40			0.07	
			5622	1-2	110.27	110.61	0.34			0.01	
			5623	1	110.61	111.55	0.94			0.01	
			5624	1	111.55	112.55	1.00			tr.	
			5625	1-2	112.55	113.57	1.02			tr.	
			5626	1-2	113.57	114.07	0.50			tr.	

101.91-102.93: dark green, very weakly magnetic - was previously described as being intrusive. The rock is moderately carbonatized and carries 1-5mm elongated black tuff shards? foliated at 40° to the core axis.

102.93-103.13: purple-grey to cream coloured, weakly to moderately silicified breccia. Exhibits a good acid reaction as is typical in the upper transition zone.

103.13-105.50: purple-grey strongly silicified breccia with 20% dark green chloritized patches.

105.50-106.88: 70-80% silicified breccia with minor sections of alternating silicified and chloritized laminations (eg. 40-45° at 105.90 meters).

106.88-108.05: approximately 50% silicified breccia as an irregularly distributed network surrounding non-brecciated chloritized rock.

108.05-109.01: 75-85% silicified breccia as an irregular but somewhat continuous body - more so than the overlying zone. Some moderate feldspathization(?) with 3-5% pyrite is noted locally.

109.01-109.87: 90-95% silicified breccia with less honey coloured "feldspathized" rock and 3-5% very finely disseminated pyrite. The rock is all moderately to strongly reactive to HCl. Honey coloured halos often surround fractures within the purple-grey breccia. These halos are often offset by later quartz filled fractures.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 6 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		109.87-110.27: honey coloured intensely silicified and feldspathized(?), although still reactive to HCl. The zone carries up to 12% pyrite some of which is present as 1mm cubes and 2-4mm clots. The zone is cross-cut by a 1.5cm pink carbonate vein at a relatively flat angle to the core axis.									
		110.27-110.37: dark green with abundant honey coloured, silicified "rip-up" clasts which are weakly reactive to HCl.									
		110.37-110.61: equal amounts of green chloritized rock and honey coloured silicified seams.									
		110.61-112.90: 25% silicified breccia seams up to 5cm.									
		112.90-113.57: 75-80% silicified breccia and up to 2% pyrite.									
		113.57-114.07: 10-25% purple-grey silicified breccia with abundant honey coloured fragments up to 3cm locally. The largest part of the zone is chloritized.									
114.07	131.20	SEDIMENTS	5627	1	114.07	114.75	0.68			tr.	
			5628	1	114.75	115.50	0.75			tr.	
			5629	1	115.75	116.35	0.85			tr.	
			5630	1	116.35	117.15	0.80			tr.	
			5631	1	117.15	118.00	0.85			tr.	
			5632	1	118.00	118.90	0.90			tr.	
			5633	1	118.90	119.80	0.90			tr.	
			5634	1	119.80	120.80	1.00			tr.	
			5635	1	120.80	121.75	0.95			tr.	
			5636	1	121.75	122.65	0.90			tr.	
			5637	1	122.65	123.56	0.91			tr.	
			5638	1	123.56	124.36	0.80			tr.	
			5639	1	124.36	125.30	0.94			tr.	
			5640	1	125.30	126.28	0.98			tr.	
			5641	0-1	126.28	127.21	0.93			tr.	
			5642	0-1	127.21	128.05	0.84			tr.	
			5643	0-1	128.05	129.07	1.02			tr.	
			5644	0-1	129.07	130.00	0.93			0.08	
			5916	1	130.00	130.60	0.60			tr.	
			5917	1	130.60	131.20	0.60			tr.	

Dark green, fine to very fine grained, with abundant pinkish carbonate stringers and rare 1-5mm silicified seams as halos bordering fractures. Nodular carbonate growths are noted within a weakly to moderately developed foliation both locally and on a larger scale. This carbonate may be diagenetic as opposed to being the result of carbonatization. Carbonate alteration may be stronger below 121.00 meters where it highlights bedding laminations (particularly below 123.80 meters). Bedding is well developed and is reflected by a well developed foliation/parting. Some cross lamination is indicated locally, for example, at 124.00 meters laminations measure 30° and 55-60° with respect to the core axis. Rare sections of silicified breccia are noted (eg. 115.57-115.63 meters).

Foliations: 60° at 116.70; 45° at 118.00; 65° at 118.30; 30-35° at 121.30; 55-60° at 123.80 and 50° at 127.70 meters.

Bedding Laminations: 40-45° at 125.45 and 55° at 128.70 meters.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-61 SHEET NO. 7 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		114.75-121.00: abundant nodular carbonate growths up to 4mm. 121.00-129.20: increasing carbonatization of the rock on a general basis, particularly in narrow breccia zones then feathering along laminations. 129.20-129.30: FAULT ZONE - chloritized shear zone with green clay and mylonite at 30° to the core axis. 129.30-131.20: rock tends to be finer grained and more finely foliated/laminated - parting is very well developed parallel to foliation (55-60° at 129.80 meters). The lowermost 30cm might coarsen slightly and appears to have a crystalline texture - possibly tuffaceous or extremely immature sediments.										
131.20	141.12	BASALT Dark green, fine to very fine grained with possible skeletal pyroxenes found within 10cm of the upper contact. The rock becomes finely brecciated below 131.90 meters increasing below 135.60 meters. Brecciation tends to decrease below a fracture system at 137.75 meters. Brecciation is a shatter-type with no welding or re-melting of fragments and very little rotation. The zone from 137.75-138.70 is almost non-brecciated. The zone from 138.70 to the base of the hole is composed of poorly developed flow breccia. Some vesicular fragments are noted. 141.12 meters END OF HOLE CASING PULLED										

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc-84-62 LENGTH: 215.80 meters
LOCATION:
LATITUDE: 8+50 E DEPARTURE: 1+33.3 S
ELEVATION: AZIMUTH: 344° DIP: -65°
STARTED: March 15, 1984 FINISHED: March 20, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°		182.89	-57°	
45.00	-63°		213.36	-54°	
91.44	-63°				
137.16	-62½				

HOLE NO. Mc-84-62 SHEET NO. 1 OF 5
REMARKS:

Amended By: A.W. Workman
LOGGED BY: Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	7.92	OVERBURDEN									
7.92	122.60	BASALT									
		Medium to dark green, fine to medium grained with fine grained to aphanitic phases associated with flow margins.									
		7.92 - 20.30: fine to medium grained massive flow.									
		20.30 - 21.25: medium to coarse grained massive flow.									
		21.25 - 22.00: fine to medium grained massive flow.									
		22.00 - 22.59: fine to very fine grained, lower 1cm is aphanitic.									
		22.59: flow contact at 30° to the core axis.									
		22.59 - 83.59: aphanitic to very fine grained pillowed flow with angular breccia locally. Pillow tops are strongly vesicular with up to 1cm selvages. Selvages are epidotized and silicified, often containing up to 10% pyrite. This section may be composed of two pillowed flows with a flow contact at 73.19m. A 3m. zone overlying this point does not contain pillows.	5645		40.35	40.80	0.45			0.03	
		83.59 - 84.20: fine to very fine grained massive flow, possible flow contact at 83.59m.									
		84.20 - 87.30: fine grained massive flow becoming nearly medium grained locally.									
		87.30 - 87.73: fine to very fine grained massive flow.									
		87.73 - 89.30: fine grained, massive.									
		89.30 - 89.88: very fine grained becoming aphanitic down-section.									
		89.88 : flow contact at 42° to the core axis.									
		89.88 - 91.15: aphanitic to very fine grained.									
		91.15 - 94.70: fine to very fine grained becoming fine grained below 91.55m.									
		94.70 - 95.86: decreasing grain size becoming aphanitic in lower 10cm.									
		95.86 : flow contact at 20° to the core axis.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-62 SHEET NO. 2 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		95.86 - 96.32: flow top breccia - generally aphanitic, angular breccia fragments up to 1.5cm in size, epidotized fractures with no welding of clasts.										
		96.32 -122.60: flow breccia - rounded, generally oblong fragments up to 3cm characterize a zone of poorly developed brecciation. Some reaction rims are observed above 98.80 meters but the zone is generally best developed below this point with fragments up to 10cm in size. Some variety in fragment lithology is noted with green and grey colours. This variation tends to increase below 121.00 meters reflecting proximity to the base of the flow. The ratio of fragment volume to matrix is relatively high (3:1).	5646		122.05	123.25	1.20			0.01		
			5647		123.25	124.23	0.98			0.01		
			5648	5	124.23	124.64	0.41			0.02		
			5649	3	124.64	125.24	0.60			0.01		
			5650	4	125.24	125.74	0.50			0.01		
			5651	1-2	125.74	126.76	1.02			tr.		
			5652	4	126.76	127.55	0.79			tr.		
122.60	139.19	SEDIMENTS	5653		127.55	128.35	0.80			tr.		
			5654		128.35	129.25	0.90			tr.		
		Dark green, fine grained carrying moderate to strong grey hued silicification locally between 124.23 and 129.25 meters. The zone below 130.85 is dark green with abundant pale pink carbonate void fillings. Minor carbonatization of localized breccia is noted locally. Bedding is weakly developed at 136.60-138.40 meters, 45° near the top of this interval and 55-60° near the bottom. A cream coloured section of gritty, sand-like material is noted in some ground core near 126.76 meters. This is similar to suspected fault gouge observed in nearby holes. Up to 90% silicification is noted above 129.25 meters. Some increase in pyrite content is associated with this alteration (maximum 5-7% very fine grained). This alteration is similar to the transitional type bordering the main silicified zone. This rock is frequently magnetic and is greyish in colour. The best silicification is noted at 126.76-129.25 meters. Below this point, alteration gradually decreases.	5655	1-2	129.25	130.25	1.00			tr.		
			5656		130.25	130.85	0.60			tr.		
			5792	0-1	130.85	131.85	1.00			tr.		
			5793	0-1	131.85	132.80	0.95			tr.		
			5794	0-1	132.80	133.75	0.95			tr.		
			5795	0-1	133.75	134.20	0.45			tr.		
			5796	3-5	134.20	135.15	0.95			tr.		
			5797	1	135.15	136.05	0.90			tr.		
			5798	1	136.05	136.38	0.33			tr.		
			5799	1-2	136.38	137.30	0.92			tr.		
			5800	1-2	137.30	138.17	0.87			tr.		
			5801	1-2	138.17	139.19	1.02			tr.		
			5918	1	139.19	140.10	0.91			tr.		
			5919	1	140.10	141.01	0.91			tr.		
			5920	1	141.01	141.96	0.95			tr.		
			5921	1	141.96	142.65	0.69			tr.		
139.19	142.54	BASALT										
		Dark green, indistinct grain size and crudely flow brecciated with some altered clasts of sediment near the base of the flow. Lower contact is at 40° to the core axis.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-62 SHEET NO. 3 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
142.54	145.45	SEDIMENTS									
		Dark green, fine grained, with abundant white to grey, 1-3mm pod-like carbonate growths (possible replacements), below 143.40 meters. Carbonate is elongated parallel to the foliation/bedding - 45-50° at 144.35 meters. The degree of carbonatization, as a replacement, increases down-hole.	5802	1	142.65	143.50	0.85			tr.	
			5803	1	143.50	144.45	0.95			tr.	
			5804	1	144.45	144.95	0.50			tr.	
			5805	1	144.95	145.45	0.50			tr.	
			5657	3	145.45	145.85	0.40			0.04	
			5658	3	145.85	146.75	0.90	(actual	0.65)	0.01	
145.45	146.75	TRANSITION ZONE	5659		146.75	147.75	1.00			0.01	
			5660		147.75	148.75	1.00			0.01	
		Looks much more like the usual transition zone than 124.23-129.25; silicification varies from 85% in top of unit to less than 50% at the bottom. A clay filled fault zone is noted at 146.30 meters.	5661		148.75	149.75	1.00			0.01	
			5662		149.75	150.75	1.00			0.01	
			5663		150.75	151.75	1.00			tr.	
		145.45-146.25: honey coloured, remants(?) or beginnings(?) of silicified zone, very heavily fractured, 2-4% pyrite, 90% silicified. 0.25 meters of ground core.	5664		151.75	152.75	1.00			tr.	
			5665		152.75	153.75	1.00			tr.	
			5666		153.75	154.75	1.00			tr.	
			5667		154.75	155.75	1.00			tr.	
		146.25-146.75: alternating silicified and unsilicified sediments very uniformly distributed - 70-80% purplish grey silicified zone, weakly mineralized, well laminated alternating with zones of 20-30% dark green chloritized sediments in bands up to 4cm wide.	5668		155.75	156.75	1.00			tr.	
			5669		156.75	157.75	1.00			tr.	
			5670		157.75	158.75	1.00			tr.	
			5671		158.75	159.75	1.00			tr.	
			5672		159.75	160.75	1.00			tr.	
			5673		160.75	161.35	0.60			tr.	
146.75	149.16	MAIN SILICIFIED ZONE	5674		161.35	161.95	0.60			tr.	
			5675		161.95	162.95	1.00			tr.	
		The rock is generally aphanitic, purple-grey and highly silicified, but alternates with some (10-20%), dark green non-silicified and chloritized rock. Pyrite contents tend to be lower than is normal in the main silicified zone of other holes.	5676		162.95	163.75	0.80			tr.	
			5677		163.75	164.75	1.00			tr.	
			5678		164.75	165.75	1.00			tr.	
			5679		165.75	166.65	0.90			0.03	
			5680		166.65	167.15	0.50			0.01	
149.16	172.60	TRANSITIONAL SILICIFIED SEDIMENTS	5681		167.15	167.75	0.60			0.02	
			5682		167.75	168.50	0.75			0.01	
		This zone is a continuation of the overlying section with much lower contents of silicified rock. The degree of silicification is quite high but is entirely controlled by seams of breccia. Pyrite content tends to be low, in the 1-2% range. Most of this is as a fine dissemination.	5683		168.50	169.50	1.00			0.01	
			5684		169.50	170.50	1.00			0.01	
			5685		170.50	171.10	0.60			0.01	
			5686		171.10	171.75	0.65			0.01	
			5687		171.75	172.60	0.85			0.10	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-62 SHEET NO. 4 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		149.16-161.95: the zone carries approximately 40% silicified breccia, with remainder of section tending to be very weakly to non-silicified. 161.95-167.75: sediments - same as above, 50% silicified, well laminated, fairly mineralized zones alternating with chloritized zones up to 50cm. 167.75-172.60: sediments - 30-40% silicified, well laminated, greenish to greyish in colour, weakly mineralized. 171.75-172.60: pale grey, 60% silicified.
172.60	206.97	SEDIMENTS The rock is dark green, fine to very fine grained, with alternating well laminated and weakly to non-laminated sections. Only a few silicified seams up to 1cm in width are noted in this generally chloritized sequence. A fine grained clastic zone, possibly pyroclastic in origin, carries fragments up to 1.5cm and is located at 185.72-186.41 meters. Minor localized silicification is best noted at 186.41-187.17 meters. Weak selective silicification of carbonatized lensitic lamination sets is noted at 196.45-197.35 m. These laminations are developed at 45° to the core axis. Localized highly silicified breccia is noted at 202.05-202.69 m and carries up to 10% pyrite locally. A few silicified rip-up clasts up to 4cm in size are found in this interval. The zone averages 1% pyrite as blebs up to 1mm. Bedding: 173.12 m: 45-50° 175.20 m: 50-55° 176.15 m: 30-35° 181.70 m: 45° 183.50 m: 45-50°
206.97	208.90	BASALT Dark green, fine to very fine grained massive flow except for what appears to be a pillow selvage at 207.24 meters. The base of the flow is strongly brecciated, epidotized and chloritized, and carries fragments probably derived from the underlying sediments.

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON	
5806	1	172.60	173.54	0.94			tr.		
5807	1	173.54	174.39	0.85			tr.		
5808	1	174.39	175.35	0.96			tr.		
5809	1	175.35	176.40	1.05			tr.		
5810	1	176.40	177.35	0.95			tr.		
5811	1	177.35	178.30	0.95			tr.		
5812	1	178.30	179.30	1.00			tr.		
5813	1	179.30	180.35	1.05			0.01		
5814	1	180.35	181.50	1.15			0.01		
5815	1	181.50	182.43	0.93			0.01		
5816	1	182.43	183.39	0.96			0.01		
5817	1	183.39	184.30	0.91			tr.		
5818	1	184.30	185.25	0.95			tr.		
5819	0-1	185.25	186.25	1.00			tr.		
5820	1-2	186.25	187.17	0.92			tr.		
5821	1	187.17	188.00	0.83			tr.		
5822	1	188.80	189.70	0.90			tr.		
5823	1	192.50	193.11	0.51			tr.		
5824	1-2	193.11	193.59	0.48			0.01		
5825	1	193.59	194.25	0.66					
5826	1	195.95	196.45	0.50			0.01		
5827	1-2	196.45	197.35	0.90			0.02		
5828	1	197.35	197.90	0.55			0.01		
5829	0-1	199.23	200.23	1.00			0.01		
5830	2-3	202.05	202.69	0.64			0.01		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-62 SHEET NO. 5 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
208.90	212.08	SEDIMENTS The section is dark green, fine to very fine grained, and moderately chloritized. A foliation is weakly developed, probably reflecting original bedding at 45° to the core axis. The zone carries up to 1% pyrite as blebs up to 1mm in size. Approximately 10% quartz-carbonate stringers are noted.										
212.08	215.80	BASALT Dark green and fine to very fine grained with abundant silicified pale green aphanitic zones - possibly pillowed or very coarsely flow brecciated. This is especially noticeable above 213.00 meters. Minor fine angular breccia is irregularly dispersed throughout the flow. The rock is non-carbonatized and non-magnetic.										
		215.80 meters END OF HOLE CASING PULLED										

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc.84-63 LENGTH: 179.16 meters
LOCATION:
LATITUDE: 6 + 00 E DEPARTURE: 1 + 02 S
ELEVATION: AZIMUTH: 344° DIP: -65°
STARTED: March 15, 1984 FINISHED: March 26, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°		179.16	-59°	
48.16	-65°				
91.44	-63°				
137.16	-67°				

HOLE NO. Mc.84-63 SHEET NO. 1 OF 9
REMARKS BQ Core - Split for assay.
Casing pulled.
LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	23.16	OVERBURDEN									
23.16	41.55	BASALT Medium to dark green, fine to medium grained massive flow, fining towards a weakly sheared base. Rock is non-magnetic and carries up to 1% pyrite. Chloritization is weak to moderate. 23.16 - 40.05: fine to medium grained, occasional epidotized fine grained sections - probably deuteric alteration. 40.04 - 41.55: fine grained with abundant white quartz-carbonate stringers up to 1cm. Shearing has imparted a foliation in the lowermost 75cm at 55-60° to the core axis.									
41.55	44.12	SEDIMENTS Dark green, fine to very fine grained and well laminated locally. Carries abundant quartz stringers up to 1.5cm in width cross-cutting the bedding, particularly near the top of the unit. Carries up to 5% pyrite as a fine dissemination and as 1mm cubes concentrated along laminations. Quartz stringers carry rare chalcopyrite blebs up to 3mm. Bedding laminations are well developed locally at 55-60° to the core axis (eg. 42.50 meters). The lower half carries several epidotized volcanic clasts up to 5cm (pyroclastic?).	C 5688	3-5	43.12	44.12	1.00			tr.	
44.12	84.15	BASALT Dark green, fine to medium grained massive flow with abundant flow brecciated sections. Minor angular brecciation is associated with									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		flow tops. Little welding or alteration of fragments is noted in these sections. Flow breccia contains more rounded and generally larger fragments, up to 5cm in size. These fragments generally are welded and have well developed reaction rims. Flow is non-magnetic and non-carbonatized. 44.12 - 46.20: fine to very fine grained, strongly fractured, uppermost 30cm is vesicular. 46.20 - 53.80: fine to medium grained. 53.80 - 56.55: medium grained. 56.55 - 57.96: fine to very fine grained; quartz stringer at 57.96 probably marks a flow contact at about 50° to the core axis. 57.96 - 58.11: very fine grained to aphanitic. 58.11 - 72.00: fine to medium grained, rock has a mottled appearance possibly due to segregation of mafic and felsic components. 72.00 - 72.56: fine to very fine grained. 72.56 - 73.40: very fine grained to aphanitic flow top unit, minor silicification of angular flow top breccia. Carries some vesicular fragments. 73.40 - 76.85: flow breccia - generally not well developed with epidotized fragments up to 5cm. 76.85 - 80.00: mixed zone of flow breccia and more angularly brecciated rock. Minor shearing. Abundant epidotized aphanitic zones up to 10cm. Carries clots of pyrite up to 1.5cm locally in voids associated with angular brecciation post-dating flow breccia. 80.00 - 82.60: very fine grained, locally fine grained flow with moderate to strong fracturing. Some quartz veining is possibly related to flow margins. 82.60 - 83.25: angularly brecciated minor reaction rims - voids and fractures are quartz-hematite filled. 83.25 - 84.15: flow breccia - fragments up to 3cm.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
84.15	97.44	SEDIMENTS										
		Dark green, fine to very fine grained, becoming aphanitic locally. Bedding is not well exhibited due to a combination of brecciation and shearing. This is most apparent in the zone at 85.90–87.67 m. Abundant pale grey, occasionally pale purple-grey carbonate is found in voids throughout the unit. Purple tint is due to localized hematization. Zone carries far more volcanic debris (as fragments up to 3cm), than is normal for this unit - possibly pyroclastic fall-out. Localized patches of silicification up to 3cm are noted below 93.50 meters - usually pale purple-grey in colour. Minor reddish, highly siliceous sub-rounded fragments up to 2cm in size are also noted. Some pale green patchy alteration is observed locally - possibly due to very weak silicification. These patches are brecciated and slightly more reactive to HCl than the surrounding rock. A 10cm zone of moderate to strong brecciation is located at 95.30–95.40, fragments up to 2mm are pale green and are strongly silicified. Throughout the unit, carbonatization is variable, usually weak to moderate.	C 5689	0–1	86.12	86.80	0.68			tr.		
			5690	0–1	87.78	88.74	0.96			tr.		
			5691	0–1	88.74	89.61	0.87			tr.		
			5692	0–1	89.61	90.56	0.95			tr.		
			5693	0–1	90.56	91.48	0.92			tr.		
			5694	0–1	91.48	92.34	0.86			tr.		
			5695	0–1	92.34	93.26	0.92			tr.		
			5696	0–1	93.26	94.10	0.84			tr.		
			5697	0–1	94.10	95.07	0.97			0.01		
			5698	0–1	95.07	95.92	0.85			0.01		
			5699	0–1	95.92	96.85	0.93			0.01		
			5700	0–1	96.85	97.44	0.59			0.01		
		84.15 - 89.61: extremely angular brecciation - possibly a result of steam explosion due to overlying basalts. Matrix is quartz with minor carbonate. Fragments often have weakly altered reaction rims. The most extreme brecciation is noted at 85.90–87.67 meters; the lower contact marked by a flesh coloured gritty seam at 55–60° to the core axis.										
		88.45: cream coloured gritty seam, same as at 87.67 meters and similar to the seam reported in drill hole 82-13.										
		89.61 - 95.30: zone is more recognizable as sediments, well laminated locally.										
		95.30 - 97.44: laminated sediments with localized brecciation and silicification in seams up to 10cm. Carries a few silicified fragments eroded from lower in the hole. Bedding Laminations: 90.80 m: 50–55°; 91.65 m: 45°; 94.40 m: 50° and 95.57 m: 40–45°.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
97.44	127.17	MAIN MINERALIZED ZONE Three components are represented; an upper transitional zone of variable silicification and carbonatization, a central main silicified zone which is highly silicified and carries elevated pyrite contents and a lower transition zone which carries locally developed zones of silicified breccia. All sections within this sequence are of typical thickness and the main silicified zone is well developed.									
97.44	98.94	TRANSITIONAL SILICIFIED SEDIMENTS Dark green and fine to very fine grained with purple-grey aphanitic silicified breccia zones. The amount and degree of silicification increase down-section. The lowermost 50cm is at least 50% silicified and all silicified rock is moderately to strongly reactive to HCl. This is a result of prior carbonatization. A 5cm section of ground core at 98.89-98.94 meters marks the clay filled fault plane observed in other holes - the McKenna Fault. Just above this fault, the rock acquires a purple hue due to hematization.	C 5701 5702		97.44 98.19	98.19 98.94	0.75 0.75			tr. tr.	
98.94	118.79	MAIN SILICIFIED ZONE Dark purple-grey, becoming honey coloured locally, aphanitic and strongly brecciated. The sediments are highly silicified and carry elevated pyrite contents with respect to flanking formations. Near the top of the unit, above 100.13m., all rock is reactive to HCl, but silicification obscures carbonatization below this level. Where purple-grey breccia is post-dated by fracturing, the fractures commonly have narrow (mm. scale), honey coloured halos. Pyrite content is highest in the paler coloured rock. Up to 10% is noted as a very fine dissemination and as 1cm. clots of finer grains. A fine pyroclastic texture is noted locally and likely points, at least in part, to the origin of these sediments. 98.94-99.53: honey coloured, intensely silicified breccia, 5-7% pyrite.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
		99.53 -106.76: dark purple-grey intensely silicified breccia with a few chloritized fractures which post-date brecciation and silicification. Some fractures are actually micro-faults parallel to the core axis with offsets of up to 2cm.	C								
			5703	5-7	98.94	99.53	0.59			0.09	
			5704	2-3	99.53	100.39	0.86			tr.	
			5705	2-3	100.39	101.15	0.76			tr.	
			5706	1-3	101.15	101.91	0.76			tr.	
		106.76-108.42: purple-grey with increasing honey coloured mottling and increasing pyrite content - up to 7% locally.	5707	1-3	101.91	102.48	0.57			0.01	
			5708	1-3	102.48	102.88	0.40			0.01	
		108.42-109.12: purple-grey with a fine network of very tight chloritized fractures - some regular planar fractures are slickensided.	5709	1-3	102.88	103.61	0.73			0.01	
			5710	1-3	103.61	104.42	0.81			0.01	
			5711	1-3	104.42	105.22	0.80			0.01	
		109.12-109.23: reddish-brown highly siliceous zone - 2-3% very finely disseminated pyrite.	5712	1-3	105.22	106.10	0.88			0.01	
			5713	1-3	106.10	106.76	0.66			tr.	
		109.23-111.00: purple-grey with abundant honey coloured halos surrounding fracture networks. Pyrite occurs dominantly in clots up to 1.5cm with 5% locally.	5714	2-4	106.76	107.37	0.61			tr.	
			5715	3-5	107.37	108.02	0.65			0.05	
			5716	2-3	108.02	108.42	0.40			0.01	
		111.00-111.66: medium dark green, fine grained sediments, occasionaly with clasts up to 2mm - possibly pyroclastic. Very weakly magnetic.	5717	1-3	108.42	109.12	0.70			0.01	
			5718	2-4	109.12	109.77	0.65			0.01	
			5719	2-4	109.77	110.42	0.65			tr.	
		111.66-112.22: dark charcoal grey to purple-grey with minor reddish-brown intensely silicified breccia. Up to 10% pyrite highly localized in reddish rock (eg. 111.79-111.85 meters).	5720	2-4	110.42	111.00	0.68			tr.	
			5721	0-1	111.00	111.66	0.66			tr.	
			5722	3-5	111.66	112.22	0.56			tr.	
			5723	0-1	112.22	112.98	0.76			tr.	
		112.22-113.70: reddish-brown very fine grained to aphanitic with possible white to cream coloured fractured feldspar planes up to 1.5mm. Possible syenitic origin is being determined by thin sectioning.	5724	0-1	112.98	113.70	0.72			tr.	
			5725	1-3	113.70	114.40	0.70			tr.	
			5726	1-3	114.40	115.21	0.81			tr.	
			5727	1-3	115.21	116.03	0.82			tr.	
		113.70-118.79: purple-grey intensely silicified breccia; minor highly localized honey coloured patches with up to 5% pyrite.	5728	1-3	116.03	116.86	0.83			0.01	
			5729	2-3	116.86	117.70	0.84			0.01	
			5730	2-3	117.70	118.79	1.09	(0.95	act.)	0.01	
		114.75-114.95: weakly silicifed, moderately chloritized, abundant laminations at 55° to the core axis. Rare blebs and platelets of chalcopyrite in fractures associated with pink carbonate stringers.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
118.79	127.17	TRANSITIONAL SILICIFIED SEDIMENTS									
		Medium to dark green fine to very fine grained and chloritized with abundant purple-grey to pink silicified breccia zones. Occasional clasts of silicified rock up to 3cm are supported in a green chloritized matrix (eg. 122.70 meters). Within chloritized rock, pale green lenses up to 2mm in width seem to have grown within the laminations. These lenses are essentially carbonate as evidenced by a strong HCl reaction. Major silicified breccia zones are located at 119.15-119.25, 119.36-119.40, 119.72-120.07, 120.35-120.40, 120.85-121.40, 122.12-122.30 and 122.75-122.86 meters.	C								
		118.79-118.90: chloritized with abundant siliceous clasts foliated at 35-40° to the core axis - clasts are moderately to strongly carbonatized.	5731	1-2	118.79	119.72	0.93			0.01	
			5732	1-3	119.72	120.07	0.35			0.04	
			5733	1-2	120.07	120.85	0.78			0.01	
			5734	2-3	120.85	121.40	0.65			0.02	
			5735	1-2	121.40	122.12	0.72			tr.	
			5736	1-3	122.12	122.86	0.74			tr.	
			5737	1-2	122.86	123.61	0.75			tr.	
			5738	1-2	123.61	124.55	0.94			tr.	
		118.90-118.95: ground and lost core.	5739	1	124.55	125.45	0.90			tr.	
		118.95-119.53: chloritized with occasional silicified breccia beds up to 1cm thickness.	5740	1	125.45	126.35	0.90			0.07	
		119.53-119.72: pinkish green, fine to very fine grained and weakly to moderately magnetic - zone was formerly thought to be intrusive. Upper contact at 38° to the core axis.	5741	1	126.35	127.17	0.82			tr.	
		119.72-122.86: zone carries 45% silicified breccia beds up to 65cm thickness and carries up to 3% very finely disseminated pyrite.									
		122.86-127.17: zone carries less than 20% silicified breccia seams, which are generally narrower than the overlying section. The zone is generally well laminated with minor soft sediment deformation locally (123.06-123.76 meters). Silicified breccia seams are located at 125.42-125.45 meters and a reddish-brown seam carrying 5-7% pyrite is located at 126.01-126.09 meters.									
		Bedding Laminations: 55-60° at 123.36 m 45° at 124.20 m 45-50° at 124.95 m 45-55° at 126.35 m									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
127.17	168.06	SEDIMENTS	C 5742	1	127.17	127.94	0.77			tr.	
		Medium to dark green, fine to very fine grained and well laminated on a regular basis throughout the unit. Occasional purple-grey silicified breccia seams up to 20cm are noted (eg. 128.50-128.60 and 131.52-131.72 meters). Silicification of individual laminations is more common and makes up 20% of some sections. Some fracture systems have silicified halos 2-3mm in width.	5743	1	127.94	128.86	0.92			tr.	
			5744	1	128.86	129.71	0.85			0.01	
			5745	1	129.71	130.61	0.90			0.01	
			5746	1	130.61	131.52	0.91			0.01	
			5747	2-3	131.52	131.94	0.42			0.06	
			5748	1	131.94	132.89	0.95			0.01	
			5749	1	132.89	133.80	0.91			tr.	
			5750	1	133.80	134.70	0.90			tr.	
			5751	1	134.70	135.60	0.90			tr.	
			5752	1	135.60	136.50	0.90			tr.	
			5753	1	136.50	137.35	0.85			tr.	
			5754	1	137.35	138.15	0.80			tr.	
			5755	1	138.15	138.77	0.62			tr.	
			5756	1	138.77	139.56	0.79			tr.	
			5757	1	139.56	140.39	0.83			0.01	
			5758	1	140.39	141.35	0.96			0.01	
			5759	1	141.35	142.30	0.95			tr.	
			5760	1	142.30	143.20	0.90			tr.	
			5761	1	143.20	144.10	0.90			tr.	
			5762	1	144.10	145.05	0.95			tr.	
			5763	1	145.05	145.93	0.88			tr.	
			5764	1	145.93	146.75	0.82			tr.	
			5765	1	146.75	147.71	0.96			tr.	
			5766	1	147.71	148.64	0.93	(measures 0.87)		tr.	
			5767	1	148.64	149.57	0.93			tr.	
			5768	1-2	149.57	150.43	0.86			tr.	
			5769	1-2	150.43	151.46	1.03			0.01	
			5770	2-3	151.46	152.35	0.89			0.01	
			5771	2-3	152.35	153.16	0.81			0.01	
			5772	1-3	153.16	154.00	0.84			0.01	
			5773	1-3	154.00	154.84	0.84			0.01	
			5774	1-3	154.84	155.65	0.81			tr.	
			5775	1-3	155.65	156.48	0.83			tr.	

Bedding Laminations: (measured with respect to core axis)

129.35 m: 55-60° 130.65 m: 55-60° 138.60 m: 60°
141.45 m: 55-60° 142.25 m: 50-55° 145.10 m: 40°
148.55 m: 45° 150.40 m: 55° 152.80 m: 50-55°
157.80 m: 50° 163.70 m: 45-50°

131.52-131.94: intensely silicified breccia with up to 5% locally near the top of the zone.

138.77-140.39: abundant purple-grey silicified breccia with many weakly to moderately silicified carbonatized zones.

140.39-145.33: abundant lensitic carbonate replacements in pods 1.5cm thick and greater than 5cm in length concordant to bedding. These have a purple-grey colour due to hematization (eg. 140.75 meters). The pods are silicified in the interval below 142.05 meters - some resembling pink quartz veins.

145.33-149.57: few silicified seams, generally well laminated.

149.57-151.46: abundant grey carbonate alteration, moderate hematization along individual laminations. Minor silicification develops in carbonatized laminations towards base.

151.46-156.48: continuation of overlying section with some intense silicification of carbonatized laminations and seams up to 10cm in thickness. This section is 75-80% silicified becoming 50% silicified below 154.00 meters. Bedding is well preserved above 152.00 m but is weakly brecciated below this point. Chloritized, non-silicified rock seems to be non-carbonatized. Increased pyrite is noted in more

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		massively silicified sections with up to 15% locally. Average content is 1-3%. Pyrite is observed as very narrow stringers along (replacing?) bedding laminations.	C								
			5776	1-2	156.48	157.25	0.77			tr.	
			5777	1	157.25	158.20	0.95			tr.	
			5778	1	158.20	159.15	0.95			tr.	
			5779	1-3	159.15	159.92	0.75			tr.	
			5780	1-3	159.92	160.65	0.73(measures 0.78)			tr.	
			5781	1	160.65	161.26	0.61			tr.	
			5782	1	161.26	161.87	0.61			tr.	
			5783	1-2	161.87	162.35	0.48			tr.	
			5784	1-2	162.35	162.98	0.63			tr.	
			5785	1-2	162.98	163.59	0.61			tr.	
			5786	5	163.59	164.03	0.44			tr.	
			5787	1	164.03	164.90	0.87			0.02	
			5788	1	164.90	165.80	0.90			0.01	
			5789	1	165.80	166.70	0.90			0.01	
			5790	1	166.70	167.44	0.74			0.01	
			5791	1	167.44	168.06	0.72			tr.	
		156.48-157.25: chloritized with 25% silicification. Silicified seams decrease in number and thickness with depth.									
		157.25-158.52: 5-10% silicified seams.									
		158.52-160.65: increasing silicification similar to zone at 151.46-156.48 meters (higher degree in this zone) with 50% irregularly distributed through silicified rock (purple-grey, degree of silicification is moderate to strong), becoming more prevalent below 159.15 meters. Silicified rock is weakly reactive to HCl.									
		160.65-161.87: similar to 156.48-157.25 meters with 10% silicified rock.									
		161.87-162.35: chloritized with 25-50% selective silicification of laminations and fragments parallel to laminations. Silicified fragments are only weakly reactive to HCl. Clasts may be angular rip-up clasts.									
		162.35-163.59: greyish-green, aphanitic, silicified breccia with 10% relic green chloritized zones and chloritized fractures. Rock is not reactive to HCl.									
		163.59-164.03: chloritized with 80-90% grey silicified laminations and lensitic clasts parallel to laminations - similar to upper transitional member in the Main Silicified Zone. Silicified rock is moderately to strongly reactive to HCl. Carries 5-7% pyrite (up to 10% locally) concentrated along laminations.									
		164.03-166.00: chloritized and dark green with abundant grey coloured patches of carbonate replacement along selected lamination sets. These act to highlight laminations, (55° at 164.20, 70° at 164.70 and 60° at 165.80 meters).									
		166.00-168.06: well foliated on a very fine scale becoming less well foliated with depth (40° at 167.23 meters).									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-63 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
168.06	179.16	BASALT Dark green fine to very fine grained with a vesicular(?) flow top at 168.06-168.18 meters. The remainder of the section is weakly fractured with red hematite filling and does not exhibit any structural features above a laminated (50° to core) sedimentary horizon at 169.25-170.10 meters. Below the sediments, the flow is pillowed. Selvages are well exhibited on 0.7-1.0 meter centres. Pillow interiors are highly brecciated, epidotized, and silicified. The upper contact at 168.06 meters is at 65° to the core axis. The volcanics are non-magnetic and essentially, are non-carbonatized.									
		179.16 meters END OF HOLE CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDERMOTT
HOLE NO. Mc-84-64 LENGTH 185.32 meters
LOCATION
LATITUDE 8+00 E DEPARTURE 1+05 S
ELEVATION AZIMUTH 344° DIP -65°
STARTED March 27, 1984 FINISHED March 30, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°		182.88	-57½°	
45.11	-66°				
91.44	-62½°				
137.16	-60°				

HOLE NO. Mc-84-64 SHEET NO. 1 OF 7
REMARKS BO Core
Split for assay
LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	13.41	OVERBURDEN									
13.41	108.40	BASALT Medium to dark green, fine to very fine grained with medium grained phases. Pillowed and massive flows are noted in this section - the pillowed flows being finer grained. Massive flows are well brecciated with flow top and flow varieties. Minor shatter-type brecciation is noted - due to shrinkage. Massive flows range from 14-28 meters in thickness. Pillow selvages are silicified, frequently epidotized and indicate pillows of approximately 1.0 meter size. The single pillowed flow is at least 20 meters in thickness. Basalt flows are non-magnetic and average 0-1% pyrite with up to 2% associated with pillow selvages. Rocks are non-carbonatized. 13.41 - 33.45: pillowed - vesicular pillow tops. 33.45 - 33.65: aphanitic, silicified epidotized flow bottom. 33.65 - 36.80: fine to very fine grained, vesicular massive flow. 36.80 - 37.25: angularly brecciated, white carbonate filling. 37.25 - 38.55: massive, flow brecciated with rounded reaction-rimmed fragments up to 10cm. 38.55 - 45.10: fine to very fine grained massive flow - occasional epidotized shears up to 10cm. 45.10 - 48.10: fine grained massive flow; abundant hematized fractures below 46.55 m. A quartz-carbonate veinlet sub-parallel to core axis at 48.25-49.30 meters. 48.10 - 49.90: fine to medium grained massive flow. 49.90 - 50.45: fine to very fine grained. 50.45 - 51.85: fine to medium grained massive flow. 51.85 - 54.00: fine grained; fine to medium at 52.90-53.40 m.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 2 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		54.00 - 54.75: fine to very fine grained.									
		54.75 - 55.30: aphanitic to very fine grained; 3-5% pyrite as 0.5-1.0mm cubes.									
		55.30 - 55.70: aphanitic flow bottom, 3-5% pyrite.									
		55.70: flow margin.									
		55.70 - 56.30: SEDIMENTS - medium to dark green, fine to very fine grained, highly silicified and weakly foliated at 60-65° to the core axis. Carries 3-5% pyrite.									
		56.30 - 62.95: flow top breccia - medium to dark green, with aphanitic to very fine grained angular fragments up to 3cm in size in epidotized, often silicified matrix.									
		62.95 - 72.85: fine to very fine grained massive flow with minor flow breccia above 66.40 m. Becomes moderately well developed below this point. Fragments are somewhat more angular than usual, are reaction-rimmed and up to 6cm in size.									
		72.85 - 74.00: fine to very fine grained flow, weakly brecciated with some hematized fractures.									
		74.00: probable flow contact.									
		74.00 - 74.85: very fine grained vesicular zone.									
		74.85 - 77.80: angularly brecciated flow top variety - some extreme shatter-type brecciation - epidotized.									
		77.80 - 82.27: fine to very fine grained, occasionally brecciated - possible pink feldspar phenocrysts up to 1mm at 81.50 m - very weakly magnetic at this point.									
		82.27: very sharp flow contact.									
		82.27 - 83.50: epidotized, highly vesiuclar flow top. Vesicules up to 3mm are chloritized and get smaller with depth - TOPS UP.									
		83.50 - 84.05: fine to very fine grained massive flow.									
		84.05 - 92.45: fine grained massive flow.									
		92.45 - 94.23: fine grained to medium grained flow.									
		94.23 - 94.31: aphanitic, silicified, carbonated flow bottom with occasional xenoliths up to 1cm. Carries 2-3% pyrite.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 3 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		94.31 - 94.46: epidotized, silicified aphanitic chill zone. 94.46 -100.00: fine to medium grained massive flow. 100.00-100.10: aphanitic epidotized and silicified chill zone. 100.10: flow contact. 100.10-100.65: rock has appearance of highly contorted (ropey) flow. 100.65-103.00: fine grained, massive flow. Rare epidotized medium grained phases up to 15cm width. 103.00-108.40: fine to very fine grained massive flow; occasional epidotized, silicified patches of breccia up to 15cm width below 106.20 meters.									
108.40	120.40	SEDIMENTS Dark green, fine to very fine grained and becomes well laminated below 110.05 meters. The bedding is highlighted by strong carbonatization of individual laminations and sets of laminations. Carbonate alteration is evidenced by a grey colouration and feathers out along bedding. A moderate degree of chloritization is noted. A 10cm zone of intense carbonatization and silicification is observed at the upper contact. A number of weakly silicified breccia zones are noted, the largest being at 112.30-112.90 meters. These zones have a pink colouration - possibly the result of carbonatization. The rock carries very pale green 0.1-0.5mm shards of vitric tuff. These are observed best above 109.90 m and extend into the overlying flow. 108.40-112.30: weakly foliated/laminated (45-50° at 110.25 m; 55-60° at 111.80 meters). 112.30-112.90: weakly brecciated; weakly silicified; moderately carbonatized. 112.90-115.35: carbonatized seams are 10-15% of section. A vuggy section of ground core is noted at 114.50-114.95 m. Laminated at 55° at 115.10 meters. 115.35-116.08: increased carbonatization with lensitic replacements along laminations. Minor increased pyrite is noted - 2% locally. Laminations are at 45° to core at 115.85 meters.	5831	0-1	112.28	113.18	0.90			0.03	
			5832	0-1	113.18	114.13	0.95			0.01	
			5833	0-1	114.13	114.95	0.82			tr.	
			5834	1	114.95	115.87	0.92			tr.	
			5835	1	115.87	116.70	0.83			tr.	
			5836	0-1	116.70	117.70	1.00			tr.	
			5837	0-1	117.70	118.60	0.90			tr.	
			5838	0-1	118.60	119.60	1.00			tr.	
			5839	0-1	119.60	120.40	0.80			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 4 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		116.08-116.40: degree of carbonatization is lower and related to brecciation. Not as well foliated. 116.40-117.45: weakly foliated (50-55° at 117.40 m), and becomes relatively coarser grained with depth. 117.45-120.40: fine grained, weakly foliated locally. Carbonatization increases markedly below 119.60 m as carbonate replaces many laminations some of which are subsequently weakly silicified. Foliations: 45° at 118.25; 35-40° at 119.55 and 45-50° at 120.40 meters.									
120.40	143.18	MAIN MINERALIZED ZONE A well developed main silicified zone, perhaps somewhat narrow in width, is flanked by an excellent upper transition zone and a definitely narrow lower transition zone. Some high pyrite contents are noted in the upper transition zone (8-10%) and at the top of the main silicified zone (5-7%) but, in general, pyrite contents are low with respect to the observed lithologies.									
120.40	124.02	TRANSITIONAL SILICIFIED SEDIMENTS The rock is initially dark green, fine to very fine grained and well laminated. Alternating laminations are strongly carbonatized and are weakly silicified. Silicification is also noted as 1-3mm lenticular blebs concordant to the foliation. With depth, silicification penetrates narrow breccia seams to give them a purple hue, also with minor hematization. Also with depth, carbonatization increases but carbonatized rock has increasing silicification. An intensely silicified purple-grey to honey coloured zone is noted at 121.65-121.77 m. Pyrite averages 1-2% but up to 20% is noted in some intensely silicified seams. The foliation, probably bedding, is preserved throughout, (40-45° at 122.05; 45° at 123.75 m). In the lowermost half of the zone, silicified seams coalesce to form a semi-massive bed of 80% cream coloured silicification.	5840	1	120.40	121.20	0.80			tr.	
			5841	1	121.20	122.17	0.97			tr.	
			5842	8-10	122.17	122.62	0.45			0.16	
			5843	1-2	122.62	123.34	0.72			0.01	
			5844	1-2	123.34	124.02	0.68			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 5 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		NOTE: Compared to other transition zones, the degree of silicification is very high and few honey to cream coloured clasts are reactive to HCl despite carbonatization. Pyrite contents are often much higher. The clay fault seems to be absent (some brecciation at 123.45 meters).									
124.02	133.10	MAIN SILICIFIED ZONE									
		The rock is 50% purple-grey and 50% honey coloured to cream coloured intensely silicified breccia. The rock is aphanitic. Most sections of purple-grey rock have honey coloured halos surrounding fracture systems, and zones of extreme brecciation. Purple-grey rock locally appears as relics within honey coloured sections. Very little zoneation is noted within this unit and while honey coloured rock is more abundant than usual, few zones exceed 20cm in length. Pyrite content is higher in these sections. In a similar sense, no zones of only purple-grey rock are observed. No chloritized seams are observed. Minor relic bedding laminations are noted locally. Fracture surfaces are chlorite plated from 130.00 to 130.50 meters.	5845	5-7	124.02	124.60	0.58			0.02	
			5846	2-3	124.60	125.26	0.66			0.01	
			5847	2-3	125.26	125.85	0.59			0.01	
			5848	2-4	125.85	126.45	0.60			0.01	
			5849	2-3	126.45	127.08	0.63			0.01	
			5850	2-3	127.08	127.72	0.64			0.01	
			5851	2-3	127.72	128.36	0.64			0.01	
			5852	1-3	128.36	129.04	0.68			0.01	
			5853	1-3	129.04	129.70	0.66			0.01	
			5854	2-4	129.70	130.45	0.75			0.01	
			5855	2-3	130.45	131.08	0.63			0.05	0.05
		124.02-131.08: 50% or greater honey to cream coloured rock.	5856	2-3	131.08	131.75	0.67			0.05	1.30
		131.08-132.35: 25-50% honey coloured seams and halos surrounding fracture systems - up to 5% pyrite locally.	5857	3-4	131.75	132.40	0.65			0.03	(4.3*)
			5858	2-3	132.40	133.10	0.70			0.01	
		132.35-133.10: purple-grey due to hematization, strongly silicified - minor pink coloured quartz in fractures.	5859	1-2	133.10	133.68	0.58			0.01	
			5860	1-2	133.68	134.38	0.70			tr.	
133.10	143.18	TRANSTIONAL SILICIFIED SEDIMENTS	5861	1-2	134.38	135.06	0.68			tr.	
			5862	1-2	135.06	135.85	0.79			tr.	
		Dark green, fine grained and weakly to moderately chloritized with 40-45% purple-grey and honey coloured silicified breccia. Silicified rock is aphanitic and is found in beds up to 75cm thickness. Silicification is solely located in brecciated rock although some selective silicification of individual laminations is noted. Most silicified rock is at least weakly reactive to HCl due to carbonatization. A zone of moderate to strong carbonatization with weak silicification is located at 142.39-143.18 meters and has a purple-grey hue. Bedding laminations are well developed locally	5863	1-2	135.85	136.60	0.75			tr.	
			5864	1-2	136.60	137.50	0.90			tr.	
			5865	1-2	137.50	138.32	0.82			0.01	
			5866	1-3	138.32	139.23	0.91			0.01	
			5867	1-2	139.23	140.10	0.87			tr.	
			5868	1-2	140.10	140.95	0.85			tr.	
			5869	1-2	140.95	141.87	0.92			tr.	
			5870	1-2	141.87	142.56	0.69			tr.	
			5871	1	142.56	143.18	0.62			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 6 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		(50° to core at 139.55 m and 45-50° at 141.81 m). Green, chloritized rock averages 2-3%. All rock has experienced some degree of carbonate alteration. Major silicified breccia seams and beds are located at: 133.18-133.35; 133.75-134.09; 134.15-134.34; 135.55-135.65; 136.60-136.80; 136.97-137.21; 137.62-137.84; 137.99-138.75; 138.85-139.33 and 140.33-140.44 meters. The zone from 137.62-139.33 meters is 85% silicified breccia. This may be the equivalent of the lower mineralized zone.										
143.18	180.03	SEDIMENTS										
		Dark green, fine to very fine grained with irregularly developed bedding laminations throughout the zone. Very little silicification is noted - usually confined to breccia seams less than 1cm in width. Carbonatization is weakly developed on a wide scale but replacement of individual laminations by carbonate is well developed locally. This often highlights the bedding (eg. 55° at 143.61 m). Some deformed bedding due to soft sediment slumping is noted at 154.50 meters. Very weak silicification of carbonatized laminations is noted at 148.78-149.18 m. An 8cm (true thickness), graded bed is noted at 153.83 m. A fine grained base gives way upwards to a very fine grained top - TOPS UP.	5872	1	143.18	144.06	0.88			tr.		
			5873	1	144.06	144.97	0.91			tr.		
			5874	1	144.97	145.75	0.78			tr.		
			5875	1	145.75	146.65	0.90			tr.		
			5876	1	146.65	147.63	0.98			tr.		
			5877	1	147.63	148.43	0.80			tr.		
			5878	1	148.43	149.30	0.87			tr.		
			5879	1	149.30	150.20	0.90			tr.		
			5880	1	150.20	151.10	0.90			tr.		
			5881	0-1	151.10	151.98	0.88			tr.		
			5882	0-1	151.98	152.85	0.87			tr.		
		143.18-150.00: moderately developed bedding laminations highlighted by carbonatization.	5883	0-1	152.85	153.90	1.05			tr.		
			5884	0-1	153.90	154.90	1.00			tr.		
		55° at 143.61 m 55-60° at 146.70 m	5885	0-1	154.90	155.90	1.00			tr.		
		60-65° at 144.96 m 45° at 148.75 m	5886	0-1	155.90	156.87	0.97			tr.		
		150.00-151.50: massive, non-laminated/foliated.	5887	0-1	156.87	157.89	1.02			0.01		
		151.50-171.50: weakly to moderately laminated. A vuggy zone with carbonate filling is located at 164.50-165.50 m.	5888	0-1	157.89	158.89	1.00			0.01		
			5889	0-1	158.89	159.86	0.97			0.01		
		Bedding: (measured with respect to core axis)	5890	0-1	159.86	160.93	1.07			0.01		
		152.75 m: 50° 153.80 m: 40°	5891	0-1	160.93	162.00	1.07			0.01		
		155.50 m: 60-65° 161.85 m: 50°	5892	0-1	162.00	163.00	1.00			0.01		
		162.25 m: 50-55° 166.50 m: 35-40°	5893	0-1	163.00	163.98	0.98			0.01		
		168.20 m: 45°										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-64 SHEET NO. 7 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		171.50-172.80: slightly coarser grained, very weakly foliated becoming well foliated locally (50° to core at 171.75 m).	5894	0-1	163.98	165.00	1.02			0.01	
			5895	0-1	165.00	165.99	0.99			tr.	
			5896	0-1	165.99	166.97	0.98			tr.	
		172.80-174.99: very fine grained, weakly foliated.	5897	0-1	166.97	168.01	1.04			tr.	
		174.99-178.50: several sections of purple-grey moderately silicified breccia are noted - the most extensive from 175.45-176.78 m. This may be the lower mineralized zone. Silicified rock is moderately carbonatized whereas non-silicified, chloritized rock is weakly carbonatized. The section from 177.55-177.76 m was ground and lost. Higher pyrite is noted in silicified rock - especially narrower seams which may carry up to 5% very finely disseminated.	5898	0-1	168.01	169.04	1.03			tr.	
			5899	0-1	169.04	170.07	1.03			tr.	
			5900	0-1	170.07	171.01	0.94			tr.	
			5901	0-1	171.01	172.00	0.99			tr.	
			5902	0-1	172.00	172.96	0.96			tr.	
			5903	0-1	172.96	174.04	1.08			0.01	
			5904	0-1	174.04	174.99	0.95			0.01	
			5905	0-1	174.99	175.45	0.46			tr.	
			5906	1-2	175.45	176.07	0.62			0.04	0.051
			5907	1-2	176.07	176.78	0.71			0.05	2.09
		178.50-180.08: dark green, very fine grained with minor 1-2cm silicified seams. Zone is well foliated: 178.90 m: 65-70° to core axis. 179.45 m: 65-70° to core axis. Pyrite contents of 1-2% are noted locally.	5908	1-2	176.78	177.54	0.76			0.06	(6.9')
			5909	1-2	177.54	178.50	0.96			0.01	
			5910	1-2	178.50	179.18	0.68			0.01	
			5911	1-2	179.18	180.00	0.82			0.01	
180.03	185.32	BASALT Dark green, fine to very fine grained, weakly to moderately brecciated throughout. Angular fragments up to 3cm are noted - no reaction-rims and probably a shattered flow top. Upper contact is at 60° to core axis. Epidotized and weakly silicified zones are developed throughout - patchy rather than major horizons. Non-magnetic. Non-carbonatized.									
		185.32 meters END OF HOLE CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDERMOTT
HOLE NO. Mc-84-65 LENGTH 423.06 meters
LOCATION
LATITUDE 9+50 E DEPARTURE 2+95 S
ELEVATION AZIMUTH 344° DIP -70°
STARTED March 30, 1984 FINISHED April 12, 1984

TROPARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
121.92	-82°	349.5°			
243.84	-72°	348.5°			
389.53	-70°	011.5°			
420.01	-73°	054.5°			

HOLE NO. Mc-84-65 SHEET NO. 1 OF 15
REMARKS BQ Core
Split for assay
Tropari used
Casing left in ground
LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	43.28	OVERBURDEN									
43.28	167.33	BASALT									

ACID DIP TESTS

0	-70°
45.06	-67.5°
91.44	-71.5°
139.60	-66.5°
182.88	-67.5°
228.60	-67.0°
274.32	-66.5°
320.04	-66.8°
365.76	-65.8°
423.00	-66.5°

Pale green to medium grey-green, with occasional dark green phases, and generally fine to very fine grained. Vesicules up to 1.5mm are observed associated with flow tops. Rare pyroclastic (tuff) horizons up to 15cm thickness mark flow contacts. The majority of the flows in this section are pillowed. The margins of pillowed flows are massive as evidenced by a lack of selvages. Interspaced with pillowed flows are fine grained, occasionally medium grained massive flows. Little structuring is observed within these flows. Massive flows range from 6 to 13.3 m in thickness along the hole. Pillowed flows range from 5.8 to 41.7 m in thickness. The uppermost flows are weakly to very weakly magnetic. Lower flows tend to be non-magnetic. Flows are not carbonatized.

43.28 - 47.88: fine to very fine grained, massive flow.
47.88 - 48.10: aphanitic, silicified flow top.
48.10 - 60.20: pillowed flow - selvages are strongly chloritized, often pale yellow green and intensely silicified, and average 0.75-1.00 m apart. A vesicular zone at 52.25-52.45 m seems to be size graded from 1-8mm indicating tops up.
60.20 - 60.80: moderately brecciated phase of pillowed flow - fragments are epidotized and strongly silicified, matrix is relatively soft. Some free quartz in fractures surrounding fragments.
60.80 - 62.05: weakly brecciated, very fine grained flow.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 2 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		62.05 - 62.29: fragmental zone - clasts of varying lithologies indicate a dirty flow bottom. 62.29: FLOW CONTACT - sheared at 35° to core axis. 62.29 - 63.05: weakly vesicular, very fine grained, upper flow. 63.05 - 65.61: fine to very fine grained massive flow. 65.61: FLOW CONTACT - 30° to core axis. 65.61 - 66.40: weakly to moderately vesicular upper part of flow. 66.40 - 68.30: weakly vesicular, very fine grained flow. 68.30: FLOW CONTACT - 35-40° to core axis. 68.30 - 68.58: weakly brecciated flow top, silica dumping in voids; 5-7% pyrite as 1-3mm cubes. 68.58 - 69.30: fine to very fine grained massive flow, medium to dark green. 69.30 - 72.40: fine grained; mottled pale and dark green possibly as a result of micro-brecciation. 72.40 - 76.90: fine grained, medium to dark green massive flow, weakly brecciated tectonically below 75.80 m. 76.90 - 80.60: fine to very fine grained, strongly hematized fractures locally. Rock lightens to a pale green colour and fines through this section. 80.60 - 81.60: pale grey-green, very fine grained massive flow. The lowermost 1-2cm is aphanitic, silicified and very weakly brecciated. 81.60: FLOW CONTACT - 55° to core axis. 81.60 - 81.73: PYROCLASTIC - possible lapilli tuff with well foliated (55-60° to core), clasts up to 2cm in size. 81.73 - 82.03: flow top breccia - angular to sub-rounded fragments up to 5cm in size, exhibit reaction rims and are weakly to strongly silicified. 82.03 - 87.77: pale green, very fine grained massive flow, occasional breccia zones (85.03-85.63 m). 87.77: possible silicified flow contact. 87.77 -113.00: pillowed flow - very fine grained, selvages are 50-60cm apart becoming 0.75-1.00 m below 105.00 meters. Non-magnetic.											

*NOTE: Core length is 30cm short from marker at 84.12 m (276') to 89.03 m (287'). Cannot be rationalized.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 3 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		113.00-115.90: fine grained, non-pillowed. 115.90-119.87: fine grained, weakly pillowed flow. 119.87: FLOW CONTACT - 45° to core axis. 119.87-119.95: strongly silicified, epidotized aphanitic flow top. 119.95-120.05: vesicular flow top section - relic vesicules up to 2mm are vague and strongly altered. 120.05-120.95: very fine grained, moderately silicified with highly silicified halos surrounding fractures. 120.95-125.68: pale green, pillowed flow, selvages are 0.75-1.00 meters apart. Lowermost 5cm is epidotized and intensely silicified. Non-magnetic. 125.68: FLOW CONTACT - 20-25° to core axis. 125.68-125.85: black, very fine grained to aphanitic, chloritized and variably silicified - probably tuffaceous. 125.85-126.20: pale green, angularly brecciated, moderately to strongly silicified, aphanitic flow top. 126.20-128.85: fine to very fine grained massive flow. 128.85-144.04: pillowed flow - same as 120.95-125.68 m. Selvages are chloritized, black to very dark green, up to 1.10 m apart. Pillow centres are often variolitic. 144.04-148.50: weakly to moderately brecciated, non-pillowed section, weakly silicified locally. 148.50-167.33: continuation of pillowed flow above 144.04 meters. Pillow tops are moderately vesicular. Some intense silicification is noted locally near selvages, also minor carbonated breccia along selvages. Lowermost 1.00 meters is massive and sheared along flowage.										
167.33	170.67	SEDIMENTS Dark green, fine to very fine grained, and generally well laminated/foliated. A pale coloured 20cm section of moderate to strong silicification is noted at the upper volcanic-sedimentary contact (60° to core axis). Bedding is best displayed where alteration such as silicification or carbonatization has selectively altered only part of the rock, (eg. 60-75° at upper contact).	5912 5913 5914 5915	4-6 3-5 2-3 1-3	167.33 167.83 168.70 169.56	167.83 168.70 169.56 170.61	0.50 0.87 0.86 1.05			tr. tr. tr. tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 4 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		A pinkish-green, strongly hematized zone is located at 167.52-167.77 meters. The rock is moderately to strongly carbonatized throughout as lensitic and pod-like replacements oriented along bedding laminations. The lenses are most visible during HCl reaction. The zone averages 2-4% pyrite as a very fine dissemination and 1-2mm cubes. Up to 10% is observed locally near the upper contact. Silicified volcanic clasts up to 1.5cm are noted proximal to the lower contact. Bedding Laminations: 168.90 m: 50° to core axis. 169.90 m: (foliation) 60° to core axis. 170.60 m: 65-70° to core axis.									
170.67	216.33	BASALT Dark green, fine to very fine grained with pillowed and massive flow varieties exhibited. The uppermost parts of flows are vesicular. The rock is non-magnetic and non-carbonatized. It carries 0-1% pyrite as blebs up to 1mm. Occasional grains of chalcopyrite up to 3mm are associated with quartz veins. These veins, up to 3cm in thickness comprise up to 5% of the section locally. 170.67-173.40: vesicular massive zone. 173.40-180.00: pillowed flow. 180.00: possible flow contact. 180.00-189.40: weakly to moderately vesicular zone. 189.40-189.90: vaguely flow brecciated. 189.90-192.20: massive flow with localized 10cm seams of strong angular brecciation. 192.20-194.65: pillowed flow - selvages are not well developed. 194.65-215.73: massive, fine grained flow; abundant silicified and sheared seams at 45-50° to core resembling flow contacts - no textural change. 215.73-216.33: basal flow - clasts of underlying sediments throughout; greater than 50% in lowermost 10-20cm.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 5 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
216.33	??	SEDIMENTS									
		Pale grey to greyish-green, fine to very fine grained, although several sections of narrow laminations have a sandy appearance. Partings parallel to bedding are micaceous. Bedding is well developed in the upper 1.0-1.5 meters (65° at 216.45 and 55-60° at 216.88 m). The zone coarsens downhole with clasts in the 0.5-1.5cm range (lapilli tuff?), at 217.68-217.82 meters. The zone from 217.82 to218.85 is composed of angular chloritized and often silicified fragments of volcanic rock. Some fragments up to 3cm may be pyroclastic. Voids are strongly carbonated. The interval 218.85-224.48 is dark green with pale green siliceous highly fractured fragments up to 5mm. Rock has a clastic rather than volcanic appearance. Minor strong brecciation is noted at 219.05-219.32 meters. The section has a vague volcanic appearance below a zone of weak brecciation at 224.48 m. This zone has been thin sectioned for identification.	5980	7-9	216.33	217.17	0.84			tr.	
			5981	5-7	217.77	217.82	0.65			tr.	
			5982	3-5	217.82	218.85	1.03			tr.	
			5983	1-3	218.85	219.40	0.55			tr.	
			5984	1-3	220.35	221.00	0.65			tr.	
			5985	1-2	222.35	223.20	0.85			tr.	
??	335.57	BASALT									
		The upper half tends to be dark green, fine grained and massive, while the lower section tends to be medium green, fine to very fine grained and pillowed flows. The flows are silicified near flow contacts, are chloritized weakly and non-magnetic. Carbonatization is generally absent. 236.55-237.50: very round patches up to 2cm - resemble vesicules - filled with material resembling matrix. 238.40-244.80: localized patches of silicification in generally fine grained flow. 244.80-247.80: medium, occasionally coarse grained flow. 247.50-254.45: medium grained; mottled flow due to cumulative mafic minerals. 254.45-258.65: fine grained massive flow; carries 10-20% pinkish-grey highly silicified xenoliths below 258.50 m. Zone is cut off by a flowage shear at 30° to the core axis at base.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 6 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		258.65-259.20: fine to very fine grained, fining downwards. 259.20-260.00: very fine grained to aphanitic, abundant shear planes - probable flow contact in this interval. 260.00-262.15: very fine grained flow becoming weakly vesicular with depth. Minor epidotized and silicified angular flow-top breccia. 262.15-262.65: strongly vesicular flow-top with relic vesicules up to 1cm becoming smaller with depth - TOPS UP. Silicified flow contact at 262.10-262.15 meters. 262.65-274.76: fine grained massive flow - may have incorporated pyroclastic debris at 265.45-265.90 meters. 274.76: flow contact at 40-45° to core axis. 274.76-275.00: very fine grained flow top. 275.00-276.60: fine grained massive section. 276.60-280.01: pillowed - selvages are 0.90-1.00 m apart. 280.01: silicified, epidotized flow contact at 65° to core axis. 280.01-280.70: strongly vesicular flow top. 280.70-316.61: pillowed - selvages are 0.70-1.20 m apart; tops are vesicular; up to 4% pyrite found in selvages versus 0-1% in pillow interiors. Non-magnetic. Pillow size is estimated to vary from 50-100cm near the top to 25-50cm at 289.00-294.00 m becoming larger again down section. A shear developed at 318.70 m is at 20° to the core axis. A silicified and epidotized breccia zone at 316.61-316.69 may represent a flow contact between two pillowed flows - the section at 316.69-318.52 is non-pillowed. 318.52-333.00: pillowed - very fine grained with selvages as little as 20cm apart. Pillows averaging 50cm in size are likely above 325.00 m and averaging 75-80cm below. 333.00-334.80: fine grained, weakly fractured flow; white carbonate filling. 334.80-335.57: very fine grained to aphanitic carrying xenoliths up to 10cm of the underlying sediments.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 7 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
335.57	340.10	TUFFACEOUS SEDIMENTS									
		Greyish to pink, fine grained (0.5-2.0mm), may be slightly reworked but little evidence of bedding is apparent. Average clast size is 1mm - seem to be quite angular. The rock carries moderately to strongly chloritized mafic minerals, possibly altered to muscovite. Occasional reddish-pink siliceous clasts up to 1cm are noted locally. The rock is strongly carbonatized and is variably magnetic.	5986	0-1	335.57	336.42	0.85			tr.	
			5987	0-1	336.42	337.17	0.75			tr.	
			5988	0-1	337.17	337.95	0.78			tr.	
			5989	0-1	337.95	338.77	0.82			0.01	
			5990	0-1	338.77	339.67	0.90			0.01	
			5991	1-2	339.67	340.10	0.43			tr.	
		338.77-339.67: some coarsening noted with reddish siliceous clasts up to 1.5cm and quartz void filling.									
		339.67-340.10: mixture of tuff and rapidly eroded and deposited highly angular volcanic debris and quartz vein material - carries 1-2% pyrite. Fractures are strongly hematized. The rock is moderately magnetic.									
340.10	352.45	BASALT									
		Dark green, fine to very fine grained, highly tuffaceous flow. The lava carries abundant pyroclastic debris throughout and has a well developed flow foliation - probably the result of rapid movement. Foliation ranges from 25-50° to the core - flatter angles are favoured. Reaction-rimmed, sub-rounded blocks up to 10cm resemble flow breccia and are elongated parallel to flow foliation. These are best exhibited below 350.50 m. The lava is non-carbonatized although carbonatization is moderate in pyroclastic rich zones. The rock is weakly to moderately magnetic becoming strongly magnetic in pyroclastic bearing sections. Fractures are strongly hematized and probably carry magnetite. Narrow zones (10-20cm) of angular brecciation are weakly to moderately silicified, and lighter green in colour. Very little increased pyrite is noted - usually associated with the matrix around fragments in flow breccia or shears in flow foliation. The average content is 1-2% as blebs and cubes up to 2mm. Up to 4% is noted locally.	5992	1-2	340.10	341.01	0.91			tr.	
			5993	1-2	343.55	344.33	0.78			tr.	
			5994	1-2	345.02	345.82	0.80			tr.	
			5995	3-5	352.20	352.45	0.25			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 8 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Flow Foliation: 30-35° at 344.25 m 35° at 345.30 m; 347.00 m and 348.18 m 20-30° at 351.10 m The zone at 352.20-252.45 meters is weakly to moderately magnetic, strongly carbonatized and locally silicified. A moderate degree of brecciation is noted. May be sediments or altered sediment incorporated into basal flow.									
352.45	357.08	SEDIMENTS									
		Medium to dark green, fine to very fine grained, generally well foliated/laminated and well parted parallel to bedding. The upper part of the section resembles the overlying flow except for parting. The sediments are non-magnetic.	5996	0-1	352.45	353.21	0.76			tr.	
			5997	0-1	353.21	353.76	0.55			tr.	
			5998	0-1	353.76	354.64	0.88			tr.	
			5999	0-1	354.64	355.50	0.86			tr.	
			6000	0-1	355.50	356.39	0.89			tr.	
			6001	0-1	356.39	357.08	0.69			0.04	
		352.45-353.76: weakly to moderately foliated, non-laminated, non-magnetic, very weakly to non-carbonatized with 5% carbonated fractures. Bedding at 45° to core at 353.00 meters.									
		353.76-357.08: tuffaceous - well developed foliation has a definite clastic appearance. Occasional 1cm thick bands of intensely silicified breccia with up to 3-5% pyrite - generally as a very fine dissemination. These seams are generally oriented parallel to bedding. Carbonatization is moderate to strong replacing individual laminations thus highlighting the bedding. The section carries abundant (greater than 10%) pale grey highly carbonatized clasts aligned along the foliation. The number and size of these clasts increases with depth. Average size is 1-3mm. These fragments are silicified internally below 356.75 meters.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 9 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
357.08	382.66	MAIN MINERALIZED ZONE This section is composed of three members - a central highly silicified zone and two marginal transitional zones. The upper transition zone is wider than the same in overlying drill holes. It is composed of silicified clasts set in a chloritized matrix. The clasts were probably ripped up from underlying beds. The central silicified zone is quite narrow, comparatively, and is composed of intensely silicified purple-grey and honey coloured breccia. Pyrite contents up to 10% are noted. The lower transition zone is somewhat narrow and contains less silicified breccia sections than is normal. However, pyrite contents may be average to slightly better than average.										
357.08	365.23	TRANSITIONAL SILICIFIED SEDIMENTS Dark green, fine to very fine grained with 10-50% highly carbonatized and moderately to strongly silicified clasts up to 3cm in size (average 1-2cm). The clasts are grey in colour, are sub-rounded to sub-angular and are oriented along a well developed foliation. Purple-grey to pinkish, intensely silicified clasts up to 5mm are noted locally. Up to 10% of the section is grey silicified breccia seams up to 2cm in thickness. These seams are strongly carbonatized and moderately to strongly silicified. They carry up to 5% pyrite. The zone averages 1-2% overall as a very fine dissemination and as 1mm cubes. Some concentration of pyrite is noted in mafic chloritized bands - shears? Some white free quartz is noted as a void filling - a late addition post dating any brecciation. The zone is weakly magnetic throughout, becoming moderate to strong locally. Magnetism possibly increases down-section but is suddenly lost at 365.05 m. The upper contact is somewhat arbitrary.										
		357.08-358.40: 50% carbonatized and silicified clasts. Foliation: 35-40° at 357.80 meters.	6002 6003	1-2 1-2	357.08 357.68	357.68 358.40	0.60 0.72			0.01 0.01		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 10 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		358.40-359.28: 5% carbonatized clasts but 10% silicified clasts throughout along well developed foliation. The rock is generally weakly carbonatized. Carries up to 3% very finely disseminated pyrite.	6004	1-3	358.40	359.28	0.88			0.01	
			6005	2-3	359.28	360.11	0.83			0.01	
			6006	2-3	360.11	361.04	0.93			0.01	
			6007	2-3	361.04	361.95	0.91			tr.	
		359.28-363.90: highly localized strong brecciation is strongly to intensely silicified in sections up to 5cm. The surrounding rock is chloritized, well foliated and non-brecciated. It is moderately carbonatized and carries 10% white carbonatized pinkish-grey silicified fragments throughout. The fragments are sub-rounded to angular and up to 5cm in size. Bedding laminations wrap around clasts. Some fractures cutting chloritized rock have 1-3mm silicified halos; silicification is penetrative outwards. Average pyrite is 1-2% with 2-4% in silicified breccia.	6008	2-3	361.95	362.80	0.85			tr.	
			6009	2-3	362.80	363.70	0.90			tr.	
			6010	2-3	363.70	364.60	0.90			tr.	
			6011	2-3	364.60	365.23	0.63			tr.	
		Foliation: 30-35° at 360.20 m. 30° at 361.70 m. 35-45° at 362.80 m.									
		363.90-365.23: the zone carries 25% purple-grey silicified breccia which contains 5-7% pyrite as a fine dissemination and as clots up to 5mm. The groundmass is chloritized and carries 1-3% pyrite. Abundant pinkish-grey clasts are supported by the foliated groundmass. The amount of silicified breccia increases down-hole. No apparent clay filled fault plane is noted in this section.									
365.23	371.97	MAIN SILICIFIED ZONE Purple-grey to honey or cream coloured, aphanitic, intensely silicified breccia with 5% green, relic chloritized seams where silicification has not developed. These seams are generally non-brecciated. With silicification has come a moderate degree of hematization although hematite is also present in chloritized rock. A weak degree of carbonatization is noted in the uppermost 50-75cm. The rock is non-magnetic.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 11 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		365.23-366.23: honey coloured, intensely silicified breccia, weakly carbonatized, carrying up to 10% pyrite as a very fine dissemination, as 1mm cubes and as clots up to 5mm. Minor relic purple-grey silicified breccia at 365.83-366.06 meters with honey coloured halos surrounding fractures.	6012	6-8	365.23	365.72	0.49			0.66		
			6013	8-10	365.72	366.23	0.51			2.01		
		366.23-370.26: purple-grey, intensely silicified breccia with abundant honey coloured halos surrounding fractures. The zone carries 10-20% relic green chloritized, possibly sheared, non-brecciated rock. The zone averages 2-3% pyrite with 0-1% in chloritized rock and 8-10% in honey coloured sections. Quartz is noted as a filling around purple-grey angular breccia fragments. This quartz does not carry pyrite. Some 1-2mm clear quartz stringers develop cream to honey coloured halos when transversing from purple-grey silicified rock to chloritized green coloured rock (eg. 368.05 meters).	6014	3-4	366.23	366.96	0.73			0.11		
			6015	2-3	366.96	367.73	0.77			0.02		
			6016	2-3	367.73	368.62	0.89			0.02		
			6017	2-3	368.62	369.47	0.85			0.01		
			6018	3-5	369.47	370.26	0.79			0.01		
		370.26-371.05: honey coloured to pale brown with 10% green chloritized seams; section averages 2-3% pyrite. The rock carries occasional laminated red siliceous angular fragments up to 3cm in size - these may be cut and offset by later silica-filled fractures.	6019	2-3	370.26	371.05	0.79			0.04		
		371.05-371.97: grey to purple-grey, silicified breccia, with honey coloured halos around fractures and up to 5% pyrite locally. Pyrite content decreases with depth. Section carries 10% relic green chloritization.	6020	2-4	371.05	371.52	0.47			tr.		
			6021	1-3	371.52	371.97	0.45			tr.		
371.97	382.66	TRANSITIONAL SILICIFIED SEDIMENTS Medium to dark green and fine grained with aphanitic purple-grey silicified breccia zones up to 17cm in thickness. These zones are generally oriented parallel to bedding. Laminations are well developed and are highlighted by selective intense carbonatization of alternating lamination sets. Carbonate alteration is indicated by a pale grey to cream coloured colouration. Silicification is											

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 12 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		well developed locally as a further alteration of carbonatized strata throughout the section although the degree and amount of silicification decreases with depth. Carbonatization remains relatively constant throughout. Pyrite content in chloritized rock averages 1-2%; and, in silicified breccia, averages 3-5%. The zone is non-magnetic. Some hematization is noted in chloritized rock - probable interstitial.									
		371.97-372.80: weakly laminated with 10-20% silicified laminations and breccia seams. None of these are greater than 2cm in thickness. The zone carries 10-20% siliceous clasts - possibly rip-up clasts, crudely foliated parallel to laminations at 35° to core axis. Little of rock is reactive to HCl.	6022	1-2	371.97	372.80	0.83			tr.	
		372.80-373.60: carries 40-45% silicified breccia seams. Major examples are located at: 372.96-373.07; 373.21-373.30; and 373.46-373.55 meters. Silicified breccia carries 3-5% finely disseminated pyrite; chloritized rock averages 1%. Very little carbonatization is noted which is presently reactive to HCl.	6023	2-3	372.80	373.60	0.80			0.01	
		373.60-375.61: chloritized with 5% silicified seams up to 1cm thickness. The rock is non-laminated and weakly carbonatized. A crude foliation is noted locally. Abundant pink carbonate stringers are noted and up to 3% finely disseminated pyrite is noted along the stringer margins.	6024	1-2	373.60	374.58	0.98			0.01	
			6025	1	374.58	375.61	1.03			0.01	
		375.61-376.50: carries 40-45% silicified breccia seams which contain 3-5% very finely disseminated pyrite. The rock is weakly reactive to HCl. Major silicified breccia seams are located at: 375.71-375.76; 375.95-376.00; 376.13-376.31 and 376.44-376.50 meters.	6026	2-4	375.61	376.50	0.89			0.02	
		376.50-377.18: rock is quite reactive to HCl as general degree of silicification is lower although some seams of silicification up to 10cm are noted. Silicified rock is weakly brecciated in zones parallel to a well developed foliation (40° to core axis at	6027	2-3	376.50	377.18	0.68			0.05	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 13 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS GZ TON	
		376.75 meters). These zones carry 3-5% very finely disseminated pyrite; largest at 376.74-376.85 m.										
		377.18-382.66: chloritized, generally well foliated with silicified and carbonatized sets of laminations. Few silicified breccia seams (377.98-378.02 m). Rock is approximately 20-30% silicified laminations - minor sections of 50% alteration are noted. Pale grey nodular growths up to 1mm are noted in highly carbonatized sections.	6028	1-2	377.18	378.10	0.92			0.01		
			6029	1-2	378.10	378.95	0.85			tr.		
			6030	1-2	378.95	379.84	0.89			tr.		
			6031	1-2	379.84	380.85	1.01			tr.		
			6032	1-2	380.85	381.77	0.92			tr.		
			6033	1-2	381.77	382.39	0.62			tr.		
			6034	1-2	382.39	382.66	0.27			tr.		
		Foliation: 50-55° at 378.20 m 45° at 381.10 m 30-40° at 382.30 m										
		Chaotic zones of non-laminated rock may represent periods of rapid deposition (eg. 382.39-382.66 m).										
382.66	416.20	SEDIMENTS (The upper contact is somewhat arbitrary.)										
		Dark green, fine to very fine grained and well laminated with 20-30% pale grey to cream coloured, highly carbonatized and weakly to moderately silicified laminations. Pyrite is found as a very fine dissemination and occasional blebs up to 1mm. Highest ocncentrations of 3-5% are found in silicified sets of laminations. Bedding is often rippled and is locally deformed due to soft sediment slumping. The rocks are non-magnetic.										
		382.66-385.05: deformed bedding often exhibit 90° changes in dip direction. An 11cm zone of moderately silicified, carbonatized laminations at 384.83-384.94 m carries 3-5% pyrite.	6035	0-1	382.66	383.51	0.85			tr.		
			6036	0-1	383.51	384.45	0.94			0.01		
			6037	1-2	384.45	385.39	0.94			0.01		
			6038	0-1	385.39	386.39	1.00			0.01		
			6039	0-1	386.39	387.35	0.96			0.01		
			6040	0-1	387.35	388.35	1.00			0.04		
			6041	0-1	388.35	389.35	1.00			0.01		
			6042	1	389.35	390.34	0.99			0.01		
			6043	1	390.34	391.34	1.00			0.02		
		Laminations: 40-50° at 383.70 m 20-40° at 384.50 m										
		385.05-391.34: chloritized, rippled laminations with 10-15% silicified and carbonatized laminations up to 3mm in thickness. Bedding is often offset up to 1cm across micro-faults at 10-30° to the core axis. Minor soft sediment slumping is noted at 388.23-388.80 m.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 14 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Laminations: 40° to core at 385.00 m 45° to core at 385.40 m 50° to core at 387.20 m 45° to core at 389.50 m 45-50° to core at 390.30 m									
		391.34-391.88: laminated - moderately to strongly carbonatized and strongly silicified - carries 2-4% finely disseminated pyrite. Zone is 25% brecciated with a purple-grey hue. Bedding at 45° to core axis at 391.83 meters.	6044	2-4	396.34	391.88	0.54			0.17	
		391.88-393.60: same as 385.05-391.34 m. Laminations are moderately to strongly carbonatized at 35-40° to core at 393.10 meters and 40-45° at 393.45 meters.	6045	1	391.88	392.70	0.82			0.02	
			6046	1	392.70	393.60	0.90			tr.	
		393.60-394.54: weakly brecciated zone is strongly carbonatized and carries pink siliceous clasts up to 3mm and pale green clasts up to 1.5cm. Average 2-3% pyrite.	6047	2-3	393.60	394.54	0.94			0.06	
		394.54-397.00: same as 391.88-393.60 meters. Laminations at 45-50° to core at 395.00 meters.	6048	1	394.54	395.36	0.82			0.01	
			6049	1	395.36	396.20	0.84			tr.	
		397.00-397.71: carries 20-25% silicified breccia seams up to 5cm thickness - developed on a highly localized basis - no intervening brecciation. Silicified angular clasts up to 1cm have a purple-grey hue.	6050	1	396.20	397.00	0.80			tr.	
			6051	1-2	397.00	397.71	0.71			tr.	
		397.71-400.50: same as 391.88-393.60 meters - very little silicification but strong carbonatization of laminations. Bedding is not well developed below 400 m but rock retains a strong foliation.	6052	1	397.71	398.68	0.97			tr.	
			6053	1	398.68	399.63	0.95			tr.	
			6054	1	399.63	400.54	0.91			tr.	
		Bedding: 45-50° at 397.95 m 40° at 398.55 m 35° at 399.10 m									
		Foliation: 40° at 400.00 m									
		400.50-401.40: weakly foliated to massive; slight increase in grain size is noted; moderately carbonatized.	6055	1	400.54	401.47	0.93			tr.	
		401.40-403.55: similar to 397.71-400.50 m. Weak to moderate localized brecciation is noted in 1-2cm seams which are weakly to moderately silicified with 1-2% pyrite. Weakly laminated to strongly foliated.	6056	1	401.47	402.37	0.90			0.01	
			6057	1	402.37	403.29	0.92			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc-84-65 SHEET NO. 15 OF 15

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		401.75 m: laminations at 35-40° to core axis. 402.70 m: laminations at 45-50° to core axis. 403.30 m: foliation at 40-45° to core axis.	6058	1	403.29	404.26	0.97			0.01	
		403.55-406.00: weakly foliated to non-foliated.	6059	1	404.26	405.17	0.91			0.01	
		406.00-407.66: moderately to strongly foliated, laminated locally (40-45° to core at 406.20 m). Weakly silicified breccia locally with 2-3% pyrite.	6060	1	405.17	406.00	0.83			tr.	
			6061	1	406.00	406.78	0.78			tr.	
			6062	2-3	406.78	407.20	0.42			0.22	
		407.66: a 1cm silicified and epidotized seam probably represents a volcanic fragment rather than a flow top.	6063	1	407.20	407.65	0.45			0.01	
			6064	0-1	408.20	409.04	0.84			tr.	
		407.66-411.20: massive, very weakly foliated to non-foliated. Very weak parting noted. Fractures are hematized below 409.70 meters.	6065	0-1	410.10	410.87	0.77			tr.	
		411.20-412.02: well foliated, laminated locally. 411.20 m: 50-55° to core axis.	6066	1	411.40	412.25	0.85			tr.	
		411.70 m: 35-40° to core axis.	6067	0-1	413.70	414.59	0.89			tr.	
		412.02-415.20: same as 407.66-411.20 meters.									
		415.20-416.20: well foliated, possible lapilli tuff with siliceous clasts locally. 415.25 m: foliation at 40-45° to core axis.									
416.20	423.06	BASALT Medium to dark green, fine to very fine grained and pillowed. Upper contact at 70° to core axis is along a pillow selvage. Pillow rims are epidotized and strongly silicified. The flow is more massive below 419.40 meters. A shear has developed at 420.15 m at 20-25° to the core axis. The rock is non-carbonatized, to very weakly carbonatized. It is non-magnetic and carries 0-1% pyrite. 423.06 meters END OF HOLE CASING LEFT IN GROUND									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott
HOLE NO. Mc.84-66 LENGTH 194.46 meters
LOCATION
LATITUDE 5+00 E DEPARTURE 1+13 S
ELEVATION AZIMUTH 344° DIP -60°
STARTED April 13, 1984 FINISHED April 19, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°		191.41	-56½°	
45.72	-59°				
91.44	-56½				
137.16	-57°				

HOLE NO. Mc.84-66 SHEET NO. 1 OF 9
REMARKS BQ Core - Split for assay
Casing pulled - broken off in ground
LOGGED BY A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	19.81	OVERBURDEN										
19.81	98.70	BASALT Medium to dark green fine to very fine grained massive and pillowed flows. The rocks are occasionally medium grained in the centres of thicker massive flows and are very fine grained to aphanitic at flow contacts. They are non-magnetic and weakly altered. 19.81 - 42.31: pillowed flow - selvages are 0.75-1.0 meters apart with minor associated pyrite. The lowermost 1.0 meters is non-pillowed. 42.31 - 43.90: very fine grained to aphanitic massive flow top. 43.90 - 48.40: fine to medium grained massive flow. 48.40 - 49.00: very fine grained to aphanitic flow bottom. 49.00 - 49.55: very fine grained to aphanitic sheared, possibly tuffaceous flow top - upper flow contact at 40° to core axis. 49.55 - 50.36: mixed flow top and flow breccia. 50.36 - 50.45: lapilli tuff - clasts up to 2cm are well foliated at 35° to the core axis. 50.45 - 51.82: flow top breccia - angular non-welded fragments up to 5cm in size. Matrix is epidotized. Occasional non-brecciated sections are vesicular. 51.82 - 54.90: flow breccia - sub-angular to sub-round, reaction rimmed, welded fragments up to 10cm in size. 54.90 - 57.30: fine grained massive flow. 57.30 - 58.20: sediment - very fine grained, weakly laminated locally, highly chloritized but silicified near upper contact.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		58.20 - 58.75: fine grained massive flow, moderately brecciated. 58.75 - 61.40: fine to medium grained massive flow. 61.40 - 71.15: medium grained, occasional very fine grained volcanic clasts up to 5cm in size (eg. 65.4 m). 71.15 - 71.30: fine to very fine grained flow, aphanitic at base. 71.30: flow contact 65° to the core axis. 71.30 - 71.39: fine to very fine grained. 71.39 - 71.65: fine to medium grained massive flow - continuation of zone at 61.40-71.15 meters; possibly part of the same flow. 71.65 - 74.30: medium grained massive flow. 74.30 - 75.90: fine to medium grained. 75.90 - 76.78: fine grained, weakly foliated massive flow. 76.78 - 78.64: sediments - dark green well foliated at 60° to the core axis and moderately carbonatized. Near the upper contact, rock is weakly to moderately silicified. 78.64 - 87.95: dark green fine to very fine grained massive flow with abundant white carbonate filled shrinkage fractures. Flow carries pinkish epidotized xenoliths below 79.85 meters. Weak flow brecciation and patchy silicification is noted locally. 87.95 - 96.10: weakly to moderately flow brecciated with reaction rimmed silicified fragments up to 10cm in size. 96.10 - 98.70: fine to very fine grained, weakly brecciated locally and weakly to moderately shrinkage fractured. Lower flow contact is at 28° to the core axis.										
98.70	111.17	SEDIMENTS Medium to dark green, fine to very fine grained, and well laminated/foliated on a mm scale. Carries abundant pale green volcanic (tuff?) fragments up to 1cm in size, particularly near the upper contact. Highly elongated and silicified fragments up to 3cm are noted at 102.10 meters oriented parallel to bedding - possibly rip-up clasts. Laminations are moderately to strongly carbonatized.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz/ton	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
		Carbonate alteration is indicated by a pale grey colouration. The uppermost 30cm of the zone has abundant white bull quartz which has been dumped in voids - probably due to heat of overlying basalt. Minor slumped and convoluted laminations are visible locally. Weak silicification of carbonatized laminations is noted below 109.50 m. Increased pyrite contents (5-10%) are noted with silicification. The zone averages 1% finely disseminated pyrite.	6068	1	98.76	99.55	0.79			0.01	
			6069	1-2	100.18	101.05	0.87			0.01	
			6070	1	101.80	102.55	0.75			tr.	
			6071	1	103.40	104.23	0.83			tr.	
		Bedding Laminations: (measured with respect to the core axis)									
		99.25 m: 30-35° 101.80 m: 40°	6072	1	105.00	105.86	0.86			tr.	
		103.00 m: 30-40° 106.45 m: 45°									
		109.15 m: 45° 111.00 m: 65°	6073	1	106.79	107.69	0.90			tr.	
		100.18-101.05: weak to moderate silicification of carbonatized zones, up to 2% pyrite locally.	6074	1	108.55	109.54	0.99			tr.	
			6075	1-2	109.54	110.42	0.88			tr.	
			6076	1-2	110.42	111.17	0.75			tr.	
111.17	157.36	MAIN MINERALIZED ZONE									
		The zone is composed of three members, the uppermost of which is a thin variably silicified zone which overlies a main silicified zone of normal thickness and a lower variably silicified zone also of normal thickness. The main silicified zone is in general highly silicified although some relic chloritized (non-silicified) rock is noted locally. Pyrite contents within the main silicified zone are locally up to 10%. Some localized increase in pyrite content is noted locally within silicified rock in the lower transition zone.									
111.17	112.41	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green, fine to very fine grained with abundant pink to purple-grey intensely silicified clasts and laminations. The fragments have probably been ripped up from underlying, more massively silicified sections. Most silicified rock is moderately to strongly reactive to HCl as a result of carbonatization. Bedding is highly chaotic below 111.85 m with many 60-90° reversals - at least partly a result of soft sediment deformation. The zone ends at a 3cm clay filled zone - the McKenna Fault. The zone from 111.89 to 112.04 m has been ground and lost.	6077	1	111.17	111.83	0.66			tr.	
			6078	1	111.83	112.41	0.58			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
112.41	137.09	MAIN SILICIFIED ZONE Purple-grey and honey coloured intensely silicified breccia. The paler coloured rock is dominant initially but gives way down-hole into a increasing amount of relic purple-grey silicified breccia. The purple hue is due to hematization, whereas the honey colour is probably due to the presence of sericite. Pyrite contents are higher in the honey coloured rock. The uppermost 50-75 cm is weakly reactive to HCl although silicification is probably masking original carbonatization. 112.41-113.80: dominantly honey coloured, intensely silicified breccia with up to 5% pyrite. 113.80-114.55: rock grades to purple-grey with 30-40% honey colouration as halos surrounding fractures and in very finely brecciated rock. Section carries up to 4% pyrite. 114.55-115.21: same as above with up to 10% pyrite locally (3-5% average). 115.21-115.84: dominantly purple-grey intensely silicified breccia with 1-2% very finely disseminated pyrite. 115.84-117.10: rock rapidly grades back to honey coloured silicified breccia below 116.10 meters. Pyrite content remains relatively constant at 1-3%. A major chloritized and pink carbonate filled fracture is noted sub-parallel to the core axis from 116.30-117.00 meters. 117.10-120.45: mottled purple-grey and honey coloured breccia - fragments tend to be dark whereas matrix is light coloured. Abundant chloritized fractures sub-parallel to core axis. 120.45-120.82: chloritized zone - fine grained strongly silicified clasts are set in a chloritized matrix or a fine matrix of chloritized fractures - weakly reactive to HCl. 120.82-121.92: purple-grey intensely silicified breccia.	6079	2-4	112.41	113.07	0.66			0.03		
			6080	1-3	113.07	113.80	0.73			0.01		
			6081	2-3	113.80	114.55	0.75			0.01		
			6082	3-5	114.55	115.21	0.66			0.03		
			6083	1-2	115.21	115.84	0.63			0.01		
			6084	1-3	115.84	116.53	0.69			0.02		
			6085	1-2	116.53	117.22	0.69			0.01		
			6086	2-3	117.22	118.14	0.92			0.03		
			6087	1-3	118.14	118.97	0.83			0.01		
			6088	1-3	118.97	119.73	0.76			0.01		
			6089	1-3	119.73	120.36	0.63			0.01		
			6090	1-2	120.36	120.82	0.46			tr.		
			6091	2-3	120.82	121.47	0.65			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS	ASSAYS	
										OZ TON	OZ TON	
		121.92-122.47: relic weakly chloritized patches locally - silicified rock is greenish in colour.	6092	1-3	121.47	122.47	1.00			tr.		
		122.47-123.37: chloritized with 50-75% silicified fragments.	6093	1-2	122.47	123.37	0.90			tr.		
		123.37-125.25: purple-grey intensely silicified breccia.	6094	1-3	123.37	124.07	0.70			0.01		
		125.25-126.30: similar to section at 122.47-123.37 meters - silicification is spatially controlled by brecciation.	6095	1-3	124.07	124.75	0.68			tr.		
			6096	1-3	124.75	125.25	0.50			tr.		
			6097	1-2	125.25	126.07	0.82			tr.		
		126.30-127.17: 75% purple-grey silicified breccia with 25% relic chloritized patches.	6098	1-2	126.07	126.55	0.48			tr.		
			6099	1-2	126.55	127.17	0.62			tr.		
		127.17-128.88: intrusive? - reddish brown, aphanitic, highly siliceous horizon with purplish mottling which seems to be invaded by red colouration along fractures. Purple colouration may be relic. Has been called syenite previously. The lower half is cut by 5% white bull quartz stringers up to 1cm in width which contain rare chalcopyrite blebs. The zone carries 0% pyrite. A sample was taken for thin sectioning at 127.43 meters.	6100	0	127.17	127.98	0.81			tr.		
			6101	0	127.98	128.88	0.90			tr.		
			6102	8-10	128.88	129.18	0.30			0.08		
			6103	1-2	129.18	130.00	0.82			0.01		
			6104	5	130.00	130.75	0.75			0.01		
			6105	2-3	130.75	131.26	0.51			0.01		
			6106	1-2	131.26	132.06	0.80			0.01		
			6107	2-4	132.06	132.90	0.84			0.01		
			6108	2-4	132.90	133.55	0.65			0.02		
		128.88-129.18: honey coloured intensely silicified breccia with abundant very tight chloritized fractures. Carries 8-10% very finely disseminated pyrite controlled by original bedding laminations.										
		129.18-131.26: purple-grey intensely silicified breccia. The uppermost 30cm is pinkish with abundant 1-3mm hematite stringers. This zone carries only 1-2% pyrite possibly a reflection of the abundance of hematite. The section as a whole carries 2-3% pyrite with up to 10% locally. The higher contents are due to 1cm clots of fine grains and pyrite concentrated along bedding laminations (eg. at 30-35° to core at 130.70 meters).										
		131.26-132.06: massively silicified breccia with 10-20% green chloritized patches.										
		132.06-133.55: purple-grey silicified breccia with up to 5% pyrite locally associated with honey coloured rock.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		133.55-134.38: same as 131.26-132.06 with 20% chloritized rock and abundant pink carbonate veining up to 1cm thickness.	6109	1-2	133.55	134.38	0.83			0.01	
		134.38-135.16: same as 132.06-133.55 with 1-3% pyrite.	6110	2-3	134.38	135.16	0.78			0.02	
		135.16-135.70: pale grey silicified breccia with 10-20% pyrite and carrying 50% green chloritized rock. Zone averages 7-9% pyrite.	6111	7-9	135.16	135.70	0.54			0.04	
			6112	1-2	135.70	136.29	0.59			0.01	
		135.70-135.87: intrusive - pale green, chloritized with hornblendes up to 2mm. Foliation is well developed at 35-55° to the core axis. Well developed alteration halos are developed at the contacts.	6113	1-2	136.29	137.09	0.80			0.02	
		135.87-137.09: purple-grey highly silicified breccia with 2-3% pyrite locally and honey coloured halos surrounding fractures.									
137.09	157.36	TRANSITIONAL SILICIFIED SEDIMENTS									
		Sediments are dark green and fine to very fine grained with varying amounts of purple-grey to honey coloured intensely silicified breccia in seams or beds up to 1.25 meters thickness. Chloritized, non-silicified rock is hematized and carries an average of 1% pyrite. Silicified breccia carries an average of 2-3% pyrite with up 10% locally. Most of the rocks in this unit are magnetic and the degree of magnetism is proportional to the degree of alteration. Fine magnetite bearing laminations are observed in the lowermost part of the zone.	6114	1-2	137.09	137.83	0.74			0.01	
			6115	2-3	137.83	138.48	0.65			0.01	
			6116	2-3	138.48	139.07	0.59			tr.	
			6117	1-2	139.07	139.63	0.56			tr.	
			6118	2-4	139.63	140.23	0.60			tr.	
			6119	3-4	140.23	141.15	0.92			tr.	
		137.09-137.83: greyish green, marginally silicified, with abundant 1-3cm silicified breccia seams. Total content of silicified rock is 20-30%.									
		137.83-139.07: purple-grey silicified breccia with 5% chloritized seams.									
		139.07-139.63: chloritized with 25-50% silicified breccia.									
		139.63-140.23: purple-grey silicified breccia.									
		140.23-141.15: silicified breccia with 20-30% green chloritized patches and up to 10% pyrite - often associated with chloritized seams.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		141.15-142.09: chloritized with 50% silicified breccia seams.									
		142.09-145.20: dark green with 20-30% grey to purple grey intensely silicified breccia. Breccia has developed radially at right angles from parallel fractures. The fractures are spaced 1-2cm apart. Silicification is penetrative outwards from the main parallel fractures (eg. 142.30-142.37 meters). Minor 10cm seams of intensely silicified breccia carry up to 10% pyrite. Fractures within breccia are quartz filled, whereas fractures in chloritized areas are white carbonate filled. Several pink quartz veins up to 8cm are noted. Relic bedding laminations become visible as the level of brecciation decreases (eg. 50° at 143.60 meters). A slight increase in silicified breccia with elevated pyrite (up to 4%) is noted from 144.66-145.20 meters.	6120	1-3	141.15	142.09	0.94			tr.	
			6121	1-2	142.09	142.88	0.79			tr.	
			6122	1-2	142.88	143.80	0.92			tr.	
			6123	1-2	143.80	144.66	0.86			tr.	
			6124	1-3	144.66	145.20	0.54			0.04	
			6125	1-2	145.20	145.74	0.54			0.01	
			6126	2-3	145.74	146.65	0.91			tr.	
			6127	2-3	146.65	147.60	0.95			tr.	
			6128	1-2	147.60	148.55	0.95			tr.	
			6129	1-2	148.55	149.20	0.65			tr.	
			6130	1-2	149.20	149.91	0.71			tr.	
		145.20-145.74: green chloritized rock with very rapidly decreasing amounts of brecciation, and consequently silicification. Some selective silicification of individual laminations is noted.									
		145.74-148.55: dark green, chloritized, laminated rock with 5-10% purple-grey silicified breccia seams up to 2cm in width. A degree of reactiveness to HCl is noted in weakly to moderately silicified seams and laminations. Non-silicified rock is not reactive. Occasional pink quartz veins up to 2cm are noted. Pyrite contents of 2-4% are concentrated along laminations locally. Bedding dips 45° to the core at 145.80 meters, and 50° at 147.30 meters.									
		148.55-149.91: dark green with 5% silicified breccia seams. Silicification of individual laminations is best developed where the laminations are kinked or rippled. Silicified laminations are moderately carbonatized. Bedding is noted at 45° to the core axis at 148.65 and 149.75 meters.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
149.91	157.36	MARGINALLY SILICIFIED SEDIMENTS Dark green, fine to very fine grained, with a general greyish hue due to a combination of moderate to strong carbonatization and weak silicification. However, silicification builds in strength due to increased carbonatization and culminates in a zone of strong localized silicification at 154.77-157.36 meters. Silicification has accompanied brecciation as well but is irregularly distributed rather than concentrated in wider intervals. The rock is generally well laminated although some massive green (tuffaceous?), sections are noted. Bedding laminations are masked by brecciation locally. The rock is weakly to moderately magnetic throughout and the degree of magnetism is roughly proportional to the degree of alteration (silicification and carbonatization). 149.91-154.77: well laminated, with some selective silicification of carbonatized laminations. Total silicified breccia is 3-5%, increasing in the lowermost 0.75 m. Bedding at 45° to the core axis at 150.50 meters, 45-50° at 152.10 and 45-50° at 153.50 meters. 154.77-157.36: increasingly silicified and brecciated, moderately to strongly magnetic, and moderately carbonatized (especially in silicified zones). Bedding at 40-45° at 154.50 meters, 35° at 155.60, 45° at 156.70 and 45-50° at 157.33 meters. 157.36: this should be considered as the base of the Transitionally Silicified Sediments.	6131	1-2	149.91	150.83	0.92			tr.	
			6132	1-2	150.83	151.79	0.96			tr.	
			6133	1-2	151.79	152.78	0.99			tr.	
			6134	1-2	152.78	153.68	0.90			tr.	
			6135	1-2	153.68	154.77	1.09			tr.	
			6136	1-2	154.77	155.73	0.96			0.01	
			6137	1-2	155.73	156.60	0.87			0.01	
			6138	1-2	156.60	157.36	0.76			0.01	
157.36	194.46	SEDIMENTS Medium to dark green, fine to very fine grained with traces of grey silicification in highly carbonatized rock near the upper contact. A green clastic zone (tuff?) which is weakly magnetic and was formerly called "intrusive" is located at 157.81-158.33 meters. In general the rock is chloritized with occasional 1cm pink silicified breccia seams carrying 1-2% pyrite over the average 0-1%. Rare 10cm seams of silicified breccia are noted. The rock is well foliated/laminated and is non-magnetic. The rock becomes less well										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-66 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz ton	ASSAYS oz ton
		laminated below 167.00 meters. A moderate foliation with parallel parting is noted below this point. A slight increase in silicification is noted below 172.35 meters. Some highly silicified rock with 2-4% pyrite is noted between 174.95 and 176.80 meters. Silicification in this zone is of transitional type rather than the more massive type of silicification. Silicified rock is strongly reactive to HCl. A clay and grit filled fault plane is noted at 55° to the core axis at 175.55 meters.	6139	1	157.36	157.81	0.45		0.01
		157.36-167.00: well laminated - bedding at 45-50° to core axis at 160.25 meters, 50° at 162.95, 60° at 164.90, 55° at 166.85.	6140	0-1	157.81	158.33	0.52		tr.
			6141	0-1	158.33	159.23	0.90		tr.
			6142	0-1	159.23	160.15	0.92		tr.
			6143	0-1	160.15	161.08	0.93		tr.
			6144	0-1	161.08	162.97	0.89		tr.
			6145	0-1	162.97	163.90	0.93		tr.
			6146	0-1	163.90	163.95	1.05		tr.
			6147	0-1	163.95	164.92	0.97		tr.
		167.00-177.34: moderately foliated - 50° at 171.40 meters.	6148	2-4	174.95	175.82	0.87		0.07
		177.34-179.07: intensely silicified breccia developed locally - purple-grey in colour and weakly carbonatized with 1-2% pyrite. The rock is very weakly magnetic locally.	6149	2-3	175.82	176.80	0.98		0.01
			6150	1-2	176.80	177.34	0.54		0.08
			6151	1-2	177.34	178.23	0.89		0.01
			6152	1-2	178.23	179.07	0.84		0.01
			6153	0-1	179.07	180.00	0.93		0.01
		179.07-191.00: well laminated locally with bedding at 45° to the core axis at 179.50 and 50° to the core axis at 186.50 meters.	6154	1	186.22	186.95	0.73		0.04
		191.00-192.45: moderately to strongly foliated. A localized shear at 45° to the core axis with minor clay development is noted at 191.20 meters - fault. Foliation at 45° to the core axis at 191.40 and 50-55° at 192.35 meters.	6155	1	188.80	189.85	1.05		0.01
			6156	0-1	191.20	192.22	1.02		0.01
		192.45-194.46: rock is slightly coarser grained and more highly carbonatized. Foliation is well developed locally - 55° at 193.30 meters and 45° at 194.45 meters.	6157	0-1	193.46	194.46	1.00		tr.
		194.46 meters END OF HOLE							
		CASING PULLED - BROKEN OFF IN GROUND							

DIAMOND DRILL RECORD

NAME OF PROPERTY: McDermott
HOLE NO.: Mc.84-67 LENGTH: 426.30 meters
LOCATION:
LATITUDE: 7 + 50 E DEPARTURE: 2 + 80 S
ELEVATION: AZIMUTH: 344° DIP: -71°
STARTED: April 19, 1984 FINISHED: May 1, 1984

TROPARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
242.32	-73°	001.5°			
394.72	-72½°	003.5°			
425.20	-73°	003.5°			

HOLE NO. Mc.84-67 SHEET NO. 1 OF 9
REMARKS: BQ Core - Split for assay
Casing left in ground.

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	2.44	OVERBURDEN									
2.44	349.40	BASALT									

Medium green, fine to very fine grained flows alternate with darker green and relatively coarser grained flows. The lavas are of massive and pillowed varieties, the latter being much finer grained. Flow rocks are generally non-magnetic and weakly altered. Flow margins are highly silicified, often highly epidotized and carry variable pyrite contents. Pillow selvages are highly silicified, are variably epidotized and may carry up to 20% pyrite associated with inter-pillow sediment. Pillow interiors, which may have vesicular tops, are often brecciated with accompanying epidotization and silicification. Flow top breccia consisting of angular fragments of similar composition, is frequently associated with flow tops. Flow breccia, composed of more rounded and often silicified fragments of varying composition, exhibits welding of fragment rims. Flow breccia fragments well in excess of 7cm. have been observed. Pyrite is present as blebs up to 2mm. but seldom exceeds 1%. Minor zones of interflow (tuffaceous) sediments are observed throughout the volcanic section. These zones are usually well laminated and carry more variable and higher pyrite contents.

2.44 - 58.60: massive flow - weakly silicified, with a 45° shear shear located at 30.70m. Carries occasional blebs of chalcopyrite up to 1cm. associated with white bull quartz veins. A hematized breccia zone is located at 35.20-35.53m. An aphanitic, silicified flow contact is located at 40.89m. at 70° to the core axis. Abundant quartz and pyrite filled shears are noted below 48.20 meters - these are not pillow rims.

ACID DIP TESTS

45.72	-70½°
91.44	-70°
136.55	-70½°
182.88	-70½°
228.60	-72½°
274.32	-72½°
320.04	-72°
365.76	-71°
411.48	-72°

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		58.60 - 58.87: flow bottom - aphanitic to very fine grained with abundant white bull quartz in voids.										
		58.87 - 60.40: pale green to pinkish green, aphanitic, highly silicified and vesicular flow top - minor flow top breccia locally near upper contact. Carries 2-3% pyrite with up to 10% locally concentrated in voids within relic vesicules.										
		60.40 - 83.10: medium grey-green, massive, fine to medium grained flow. Weakly brecciated locally and very weakly fractured. Fractures are carbonate filled. A silicified flow contact is noted within a section of ground core at 76.90 meters. Approximately 70cm of core is lost in this area.										
		83.10 - 88.40: fine to very fine grained flow with a silicified shear at 30° to the core axis at 83.10 meters. The underlying flow is fine grained.										
		88.40 - 89.25: very fine grained to aphanitic flow contact zone. Carries abundant white bull quartz in rock that is moderately brecciated, weakly epidotized and locally silicified.										
		89.25 - 93.40: pale grey-green, fine to very fine grained, weakly to moderately vesicular locally within this flow top.										
		93.40 - 98.90: fine to very fine grained massive flow.										
		98.90 -104.75: aphanitic to very fine grained and moderately silicified locally with abundant free quartz in voids and abundant silicified and epidotized seams.										
		104.75-104.95: aphanitic, epidotized and silicified flow contact.										
		104.95-108.75: aphanitic to very fine grained massive flow.										
		108.75-124.45: fine grained massive flow becomes very fine grained near the lower contact.										
		124.45-130.82: flow contact is noted in the uppermost 10cm. The zone below is fine to very fine grained and non-pillowed.										
		130.82-142.00: pillowed flow - pale grey-green, very fine grained, pillow centres are occasionally variolitic.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		142.00-154.75: extension of overlying flow but is non-pillowed. A fault zone is noted at 148.15-148.65 meters with slickensided and brecciated core.										
		154.75-155.80: sheared or flow foliated(?). Fine to very fine grained.										
		155.80-157.55: thin flow - dark greenish tone, fine grained core with very fine grained to aphanitic contacts.										
		157.55-186.00: pillowed flow - medium to light green, very fine grained with incorporated tuff at 159.16-159.72 m. This zone is essentially the same as 130.82-142.00 meters. The pillows are 1.0-1.5 meters in size. The lowermost 15-20cm of the flow is highly epidotized and silicified.										
		186.00-186.36: SEDIMENTS - purple-grey, fine grained, and highly silicified at the upper contact. The rock is weakly to moderately magnetic. Minor bedding is visible at the upper contact at 60° to the core axis.										
		186.36-222.78: pillowed flow - medium to dark green, very fine grained to aphanitic, becoming increasingly brecciated locally below 190.00 meters.										
		222.78-274.10: massive flow - dark green with very fine grained margins becoming coarser internally. The zone from 226.20-228.78 meters is strongly vesicular with abundant hematized fractures. Several clay filled fault zones at 40° to the core axis are noted between 228.75 and 229.20 meters. A shear at 226.43 meters is at 40° to the core axis. Medium to coarse grained phases of the flow are noted at 240.50-245.65 and 254.90-256.11 meters and the flow is otherwise fine to medium grained from 235.00-273.87 meters.										
		274.10: aphanitic flow contact.										
		274.10-284.50: fine grained pillowed flow with very fine grained contact zones and pillows well developed from 277.50 to 284.50 meters.										
		284.50-288.78: very fine grained vesicular massive flow.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		288.78-306.46: massive, flow brecciated flow, reaction rimmed fragments up to 10cm in size. Flow breccia is weakly magnetic locally and best developed above 301.50 meters. Below 301.50 meters, brecciation is more angular - reaction rims and welding are not in evidence. A flow contact may be present between 301.50 and 302.50 meters.										
		306.46-309.90: SEDIMENTS - dark green fine to very fine grained and well laminated locally with moderate carbonatization and moderate to strong chloritization. The sediments are weakly magnetic locally. Bedding is noted at 45° to the core at 307.05 meters and at 40° to the core at 309.55 meters.										
		309.90-318.21: massive flow, fine to very fine grained with abundant red hematized fractures becoming fine grained and less fractured below 314.30 meters.										
		318.21-318.97: SEDIMENTS - same as 306.46-309.90 meters with bedding at 70-75° to core at 318.85m.										
		318.97-346.50: massive flow - dark green, fine grained, and weakly brecciated locally. In the upper part of the flow, weak magnetism is locally developed. The zone from 327.70 to 331.00 meters carries abundant epidotized shears at varying angles to the core axis; from sub-parrallel to 45°. The rock has a tuffaceous appearance locally (eg. 331.95-332.15m.). Parting is usually absent but becomes better developed with depth.										
346.50	349.40	??????????????????????????										
		The rock is more highly brecciated and more strongly magnetic locally than the overlying zone. Although some evidence of a foliation is noted this zone is of unknown lithology. Thin sections have been taken.										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
349.40	357.21	SEDIMENTS Dark to very dark green, fine to very fine grained and weakly foliated initially, becoming strongly foliated below 351.15 meters. The section carries abundant silicified and carbonatized clasts up to 2cm in size, averaging less than 1cm. These clasts seem to be angular rip-up clasts from the main silicified zone. They are generally oriented along the foliation and are highly reactive to HCl. Small purple tinted breccia seams up to 1cm are also strongly reactive. The zone below 354.35 meters is greater than 50% clasts, with up to 80% below 352.40 m. Individual laminations are partially replaced by carbonate - thus becoming reactive to HCl. Silicified clasts decrease near the base of the unit possibly due to local silicification increasing the resistance to erosion. Sediments are moderately magnetic becoming strongly magnetic locally.	6158	1	350.00	350.98	0.98			tr.		
			6159	1	350.98	351.95	0.97			tr.		
			6160	1	351.95	352.96	1.01			tr.		
			6161	1	352.96	353.92	0.96			tr.		
			6162	1	353.92	354.80	0.88			tr.		
			6163	1	354.80	355.68	0.88			tr.		
			6164	1	355.68	356.52	0.84			tr.		
			6165	1	356.52	357.21	0.69			tr.		
357.21	379.83	MAIN MINERALIZED ZONE The zone is composed of three members - an upper variably silicified transition zone of normal thickness, a central main zone of silicification which is much narrower than normal and a lower variably silicified member of somewhat narrow width. The overall degree of silicification is not as high as would be considered normal within the main silicified zone. Nor are pyrite contents up to average levels within this section. However, sulphide contents in the lower transitional zone are much higher than is usual for this member and levels of silicification are similarly elevated.										
357.21	358.98	TRANSITIONAL SILICIFIED SEDIMENTS Dark green with approximately 50% purple-grey hued breccia seams which are moderately to strongly silicified, and a few rare cream to grey coloured rip-up clasts up to 1.5cm in size. Some cream to pale pink quartz is dumped in voids locally. Pyrite is very fine grained and variable in content from 1-3%, averaging 2%. The rocks in this section are non-magnetic. The magnetism observed in the overlying sediments is lost within 30cm of the upper contact. A clay filled	6166	1-2	357.21	357.71	0.50			tr.		
			6167	1-3	357.71	358.31	0.60			0.13		
			6168	1-3	358.31	358.98	0.67			0.10		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS oz ton	ASSAYS oz ton
		fault is observed at 358.08 meters at 38° to the core axis. Seam is 1cm in width. Silicified rock is moderately to strongly carbonatized along relic laminations/foliations. Silicification is selective to brecciation and increasing carbonatized laminations. Foliation at 357.75 meters at 50° to the core axis.							
358.98	363.73	MAIN SILICIFIED ZONE							
		Cream to purple-grey in colour with abundant dark green chloritized seams up to several cm in width. Zone is generally strongly silicified and weakly to moderately reactive to HCl due to carbonatization. Due to incomplete silicification carbonatization is most intense near upper contact.	6169	2-4	358.98	359.40	0.42	0.08	
			6170	2-3	359.40	359.85	0.45	0.07	
			6171	2-3	359.85	360.29	0.44	0.08	
			6172	3-5	360.29	360.80	0.51	0.08	
			6173	1-3	360.80	361.29	0.49	0.05	
			6174	1-3	361.29	361.96	0.67	0.06	
			6175	2-4	361.96	362.41	0.45	0.05	
			6176	2-3	362.41	363.17	0.76	0.07	
			6177	1-2	363.17	363.73	0.56	0.01	
		358.98-363.17: 10-20% relic chloritized rock with up to 5% pyrite in intensely silicified breccia. Very fine grained with seams in brecciated matrix.							
		363.17-363.73: 20-25% relic green chloritized rock. Up to 2% pyrite locally.							
363.73	379.83	TRANSITIONAL SILICIFIED SEDIMENTS							
		Dark green, fine to very fine grained and moderately chloritized with highly silicified seams (lamination sets, breccia zones and rip-up clasts(?)). Total content of silicified rock averages 60%. Silicified rock is pale grey, purple-grey and cream coloured, and, is non-reactive to moderately reactive to HCl; reflecting varying degrees of silicification of carbonate - assuming all silicified rock was strongly carbonatized initially. Relic bedding laminations are highly developed locally but brecciation often masks structure. Silicified zones are comparatively increasingly silicified and well laminated.							
		363.73-364.50: well laminated, 50-60% silicified. Lamination at 45-50° to core axis at 364.30 meters.	6178	2-3	363.73	364.50	0.77	0.11	
			6179	1-2	364.50	365.23	0.73	0.05	
		364.50-364.78: well laminated, 20-25% silicified.							
		364.78-365.23: 80% silicified breccia - purple-grey to honey coloured but carries a greenish tint throughout.							

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	% SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	ASSAYS OZ TON	ASSAYS OZ TON
		365.23-366.23: green chloritized rock with 20-30% silicified breccia - the largest seam is purple-grey in colour at 365.65-365.75 meters.	6180	1	365.23	366.23	1.00			0.01	
			6181	1	366.23	367.20	0.97			0.01	
			6182	1	367.20	367.96	0.76			0.01	
		366.23-367.20: green chloritized zone with 10-20% silicified breccia and silicified halos surrounding fractures.	6183	1	367.96	368.58	0.62			0.09	
			6184	20-30	368.58	368.96	0.38			0.34	
		367.20-368.58: same as 364.78-365.23 meters with 65-75% purple-grey silicified breccia in seams up to 20cm width. The degree of silicification increases down-hole. The lowermost 30cm is well laminated at 30-35° to the core axis with 90% silicified laminations.	6185	3-5	368.96	369.47	0.51			0.15	
			6186	3-5	369.47	370.12	0.65			0.09	
			6187	3-4	370.12	370.96	0.84			0.18	
			6188	1	370.96	371.50	0.54			0.04	
			6189	1	371.50	372.10	0.60			0.02	
		368.58-368.96: purple-grey, intensely silicified breccia with pyrite in 1-3cm massive seams infilling the breccia matrix. Pyrite may be replacing carbonate - weakly reactive to HCl. Pyrite seams have gradational boundaries as pyrite is finely disseminated in rock, radiating outwards from massive pyrite. Pyrite is also weakly magnetic.	6190	2-3	372.10	372.48	0.38			0.02	
			6191	5	372.48	373.16	0.68			0.07	
			6192	4-5	373.16	373.73	0.57			0.07	
			6193	3-5	373.73	374.27	0.54			0.10	
			6194	3-5	374.27	374.81	0.54			0.01	
			6195	2-4	374.81	375.41	0.60			0.06	
			6196	2-4	375.41	376.04	0.63			0.01	
		368.96-370.12: same as 368.58-368.96 meters but no massive seams in this section. Up to 10% pyrite locally in matrix, averaging 3-5% where brecciation is weak. Rock has a tuffaceous texture (eg. 369.80 meters).	6197	2-3	376.04	376.57	0.53			0.01	
			6198	1-3	376.57	377.19	0.62			0.01	
			6199	1-2	377.19	378.00	0.81			0.01	
			6200	1	378.00	378.86	0.86			0.01	
		370.12-370.96: same as 364.78-365.23 meters with 50-60% silicified breccia. Pyrite is concentrated in silicified rock with an average content of 3-4% - mostly finely disseminated - and up to 10% locally over 10cm sections. Silicified rock is not reactive to HCl.	6201	1	378.86	379.83	0.97			0.01	
		370.96-372.10: green chloritized rock - seems to be sheared(?) with isolated intensely silicified seams (2-3% finely disseminated pyrite) and broader zones of moderate silicification in breccia.									
		372.10-372.48: purple-grey to honey coloured silicified breccia with 10-20% chloritized seams.									
		372.48-372.16: extension of overlying zone with no chloritized rock and increasing pyrite contents up to 5-7% - mostly very finely disseminated.									
		372.16-373.73: as above - 25-30% chloritized seams.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		373.73-374.81: as above - less than 5% chloritized rock.										
		374.81-376.04: as above - 5-15% chloritized rock with abundant chloritized fractures sub-parallel to core axis from 374.81-375.90 meters.										
		376.04-377.19: green chloritized rock with 5-10% purple-grey intensely silicified breccia. Amount of silicified breccia decreases rapidly down-hole from 75% above 376.59 meters to 20-30% below this level. With decreasing brecciation, the amount of silicified decreases and is then controlled by selected laminations. Bedding is well developed below 376.59 as brecciation decreases. Bedding at 377.00 meters is at 35-40° to core axis.										
		377.19-379.83: green chloritized, non-carbonated rock with greater than 50% grey to purple-grey silicified seams and lamination sets - moderately to strongly carbonatized. Bedding at 378.00 meters is at 45° to the core axis and at 379.60 meters is at 55-60° to the core axis.										
379.83	405.21	SEDIMENTS										
		Dark green, fine to very fine grained, moderately chloritized and well foliated/laminated. Bedding is highlighted by pale greenish-grey to pale pink coloured lamination sets. Colouration is due to strong carbonatization. The green intercalated rock is non-carbonatized to very weakly carbonatized. Strongly carbonatized seams are often vuggy. Trace amounts of pyrite are noted in green rock; up to 1% noted as very finely disseminated and 1mm cubes in carbonate seams. Rarely a 0.5mm scale carbonate lamination is 50% replaced by pyrite.	6202	0-1	379.83	380.70	0.87			0.01		
			6203	0-1	380.70	381.70	1.00			0.01		
			6204	0-1	381.70	382.64	0.94			0.01		
			6205	0-1	382.64	383.56	0.92			0.01		
			6206	0-1	383.56	384.46	0.90			0.01		
			6207	0-1	384.46	385.28	0.82			tr.		
			6208	0-1	385.28	386.19	0.91			tr.		
			6209	0-1	386.19	387.01	0.82			tr.		
			6210	0-1	387.01	387.87	0.86			tr.		
		Bedding Laminations: (measured with respect to core axis)										
		380.30 m: 55° 381.85 m: 45° 382.65 m: 45-50°										
		383.30 m: soft sediment deformation at 20°										
		384.80 m: 50-55° 385.75 m: 40° 386.85 m: 45°										
		387.95 m: 50-55° 389.90 m: 55-60°										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc.84-67 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Amount of increasing carbonatization decreases slightly below 385.40 and 394.00 meters. It is often contained in gritty quartz (breccia?) seams or beds. Zones up to 30cm exhibit soft sediment deformation with bedding angles deflected by up to 50° - often sub-parallel to the core axis. Non-magnetic. Rock is less well laminated and possibly relatively coarser grained below 391.30 m. Clasts up to 1mm are noted in 10-20cm beds - usually strongly carbonatized. Rock is non-laminated below 395.50 meters but retains a moderate foliation.	6211	0-1	387.87	388.74	0.87			tr.	
			6212	0-1	338.74	389.57	0.83			tr.	
			6213	0-1	389.57	390.40	0.83			0.01	
			6214	0-1	390.40	391.21	0.81			0.01	
			6215	0-1	391.21	392.15	0.94			0.01	
			6216	0-1	392.15	393.10	0.95			0.01	
			6217	0-1	393.10	394.01	0.91			tr.	
			6218	0-1	394.01	394.91	0.90			tr.	
			6219	0-1	394.91	395.79	0.88			tr.	
			6220	0-1	395.79	396.63	0.84			tr.	
			6221	0-1	396.63	397.54	0.91			tr.	
			6222	0-1	397.54	398.46	0.92			tr.	
			6223	0-1	398.46	399.33	0.87			tr.	
			6224	0-1	399.33	400.22	0.89			tr.	
			6225	0-1	400.22	401.00	0.78			tr.	
			6226	0-1	401.00	401.95	0.95			tr.	
			6227	0-1	401.95	402.84	0.89			tr.	
			6228	0-1	402.84	403.75	0.91			tr.	
			6229	0-1	403.75	404.77	1.02			tr.	

Laminations/Foliations: (measured with respect to the core axis)

391.90 m: 65° 393.45 m: 40-45°
395.30 m: 40° 396.50 m: 45-50°
440.30 m: 45° (strongly carbonatized)
401.70 m: 50° 403.15 m: 25-30°

396.70-400.20: massive, non-laminated, very weakly foliated locally.

405.10-405.21: highly brecciated and sheared at 25° to the core axis.

405.21 426.30 BASALT

Dark green, fine to very fine grained, aphanitic near upper contact. The abundance of aphanitic, epidotized and silicified seams and the general brecciated appearance indicates flow is likely pillowed(?) A zone of tuffaceous sediments is located at 415.28-415.52 meters. These sediments are fine to very fine grained and well laminated localy at 30-35° to the core axis. The uppermost part is pyritized and silicified. The underlying flow is aphanitic at top becoming fine to medium grained. Non-magnetic and very weakly carbonatized.

426.30 meters END OF HOLE

CASING LEFT IN GROUND

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 LENGTH 432.21 meters

LOCATION

LATITUDE 12+00 E DEPARTURE 3+00 S

ELEVATION AZIMUTH 344° DIP -70°

STARTED FINISHED

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-70°		228.60	-60°	
45.72	-66°		274.32	-60½	
91.44	-66°		320.04	-60°	
137.16	-65½		365.76	-58.8	
182.88	-64°		432.21	-54½°	

HOLE NO. Mc.84-68 SHEET NO. 1 OF 14

REMARKS

LOGGED BY A. W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	30.48	OVERBURDEN									
30.48	326.08	BASALT									

The upper flows are medium grey-green becoming darker green in the lower flows. Both massive and pillowed flows are represented in this section. Pillowed flows are very fine grained to aphanitic and often silicified. Massive flows are generally fine grained with aphanitic flow contacts and medium to coarse grained phases. The rocks in this section are non-carbonatized and non-magnetic with the exception of thin interflow sediment (tuff) horizons. Flow rocks, especially when very fine grained, are weakly silicified and moderately epidotized. Interflow sediments are chloritized and carbonatized along selective laminations. These rocks are variably magnetic.

30.48 - 65.10: massive, very fine grained, with aphanitic flow contacts at 35.50 and 48.05 meters at 30-35° to the core axis. Minor interflow sediments is associated with these contacts. The rocks carry 1-3% white quartz stringers up to 2cm in width locally at 60-90° to the core axis. The zone from 44.90-45.90 meters carries 20% silicified seams up to 10cm in width which vaguely resemble pillow rims. A variolitic zone is noted at 51.78-51.89 meters. A lower flow contact at 75-80° to the core axis is noted at 54.65 meters. Increased shrinkage-type fracturing is noted below 61.50 meters.

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 2 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		65.10 - 70.15: moderately sheared, massive flow with a 3mm green clay filled fault plane at 43° to the core axis at 66.09 m. The rock in this section seems to be relatively coarser grained than the overlying zone.									
		70.15 - 77.93: fine to medium grained massive flow becoming silicified at the lower contact.									
		77.93 - 82.36: fine grained massive flow becoming fine to medium below 79.15 meters with several silicified and epidotized seams at 82.20-82.25 meters and 82.31-82.36 (marking a flow contact at 65-70° to the core axis).									
		82.36 - 89.65: a 30-40cm very fine grained flow top grades to a fine to medium grained massive zone then to a fine grained base. A narrow mafic intrusive with feldspar phenocrysts up to 5mm in size is noted at 87.05-87.11 meters.									
		89.65: silicified and epidotized flow contact.									
		89.65 - 96.98: fine to medium grained massive flow, moderately brecciated with a mafic fine grained intrusive (same as 87.05-87.11 meters) at 93.35-93.89 m.									
		96.98: flow contact - epidotized and chloritized with minor strong silicification.									
		96.98 -114.10: same type of flow as 89.65-96.98 meters with alternating dark green and pale grey-green sections and generally fining below 108.86 meters. The lowermost flow contact is at 52° to the core axis.									
		114.10-172.17: pillowed flow - abundant epidotized seams and flow breccia above 121.70 meters with minor angular flow top breccia locally - usually mixed with flow breccia. Pillow rims are well exhibited in the underlying section to a depth of 165.00m. and more sporadically to a depth of 170.60m. The largest pillows are probably in the 0.70 to 1.00 meter range. Pillow centres are often vesicular and are strongly epidotized.									
		172.17: flow contact at 40° to the core axis.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 3 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS OZ TON	ASSAYS OZ TON	
		172.17-178.44: massive flow - dark green, fine to medium grained with abundant reddish silicified clasts of sediment noted below 177.70 meters.										
		178.44-179.22: sediments - dark green and fine to very fine grained, well laminated (60° at 178.50 meters), and probably of tuffaceous origin. Rock is moderately to strongly magnetic locally near the upper contact. Weak to strong carbonatization is noted near the upper contact. The lower contact may be lost in ground core at 179.22 meters.										
		179.22-205.48: pillow flow - same as the zone from 123.90-170.60 meters. Pillows are weakly silicified. A flow contact between two pillowed flows is noted at 195.40 meters with minor associated angular flow top breccia. NOTE: A 23cm discrepancy is noted in the location of the 658' (200.56 meter) depth marker in the core box. The position was changed to solit the difference in excess core and several lower markers were also moved.										
		205.48-205.64: highly silicified and epidotized flow contact zone.										
		205.64-209.29: flow top breccia with minor flow breccia.										
		209.29-209.98: sediments - reddish green, fine grained, non-laminated and moderately magnetic near the upper contact. The basal contact is well laminated at 25-30° to the core axis. The zone is moderately to strongly carbonatized and epidotized throughout.										
		209.98-210.74: a thin angularly brecciated massive flow.										
		210.74-210.90: sediments - dark green fine to very fine grained, strongly carbonatized and well bedded at 65° to the core axis.										
		210.90-227.82: a zone of angular flow-top breccia with fragments up to 5cm in size gives way below 215.60 meters to a zone of sub-angular to sub-round reaction rimmed flow breccia fragments up to 5cm in size. Reaction rims become more common with depth and the matrix to fragments also becomes more strongly										

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 4 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		hematized, and carries blebs of chalcopyrite up to 3cm in size. This matrix is generally a mixture of siliceous and epidotized crap which has a fine granular appearance. The zone is non-magnetic. A poorly developed flow contact may exist at the lower margin of this section.									
		227.82-234.70: dark green, fine grained massive flow, weakly fractured locally - shrinkage-type with white carbonate filling. A 1.5cm fracture at 233.25-233.80 meters is sub-parallel to core axis and filled with reddish hematite and very weakly magnetic locally.									
		234.70-238.30: highly chloritized and epidotized seams resemble pillow selvages with associated silicification. Moderately brecciated throughout on a mm scale.									
		238.30-246.05: dark green, fine to medium grained massive section with abundant siliceous cream coloured void fillings. Rock overall is weakly to moderately silicified with moderate pervasive epidotization. Abundant hematite filled fractures up to 1cm in width, sub-parallel to the core axis.									
		246.05-251.35: dark green to black, fine grained massive section. 5% intensely silicified and epidotized 1cm seams - resemble pillow selvages, probably flowage features. Pale yellow shardy specks up to 1mm noted, same or similar to those in basal sediments of underlying Sedimentary Formation.									
		251.35-256.51: INTRUSIVE - pinkish green, fine grained with a fine to medium grained core carrying deformed chloritized biotites (foliated at 50-55° to core axis) up to 3mm in size. Weakly to moderately carbonatized. Non-magnetic. Chills at contact at 45° to core axis.									
		256.51-311.65: pillowed flow - dark green becoming medium green with depth, very fine grained to aphanitic. No selvages above 259.20 meters but rock has a reddish hue due to hematite in this zone. Non-magnetic. Trace noted locally in pyritized									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 5 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		(10%) pillow selvages. Pillow interiors are epidotized and brecciated, often silicified. Pillow tops are vesicular. The zone from 300.80 to 301.33 meters is angularly brecciated with quartz filling. This zone probably represents a flow contact between two similarly pillowed flows.									
		311.65-313.43: sediments - dark green, very fine grained and well laminated locally - generally well foliated throughout (45° at 312.35 and 55-60° at 313.20 meters). A 3cm bull quartz vein is located at 313.25 meters. Up to 1% chalcopyrite is found in the wallrock near the vein.									
		313.43-316.80: massive flow, dark green fine to very fine grained.									
		316.80-317.33: sediments - green to grey, very fine grained and strongly carbonatized. A crudely developed set of laminations reflects bedding at 70° to the core axis. Minor strong magnetism is noted in 1-2cm sections of purple-grey intensely silicified breccia.									
		317.33-326.08: pillowed flow - same as the overlying zone at 256.51-311.65 meters.									
326.08	330.71	SEDIMENTS									
		Dark green, fine to very fine grained, well laminated and strongly carbonatized at the upper contact - probably due to heat from the overlying basalt. Bedding is noted at 38° to the core axis at 326.15 meters. Soft sediment deformation is noted at 329.40 to 330.10 meters. Bedding in this section is irregular and often sub-parallel to the core axis. In general, the rock is moderately to strongly chloritized, weakly carbonatized and non-magnetic.	6230	1	326.25	327.23	0.98			0.01	
			6231	1	327.23	328.23	1.00			0.01	
			6232	1	328.23	329.08	0.85			0.01	
			6233	1	329.08	329.88	0.83			0.02	
			6234	1	329.88	330.71	0.83			0.01	
		Bedding Laminations: (measured with respect to core axis) 45° at 327.25 meters 50° at 330.65 meters									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 6 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
330.71	331.36	VARIABLY SILICIFIED SEDIMENTS Dark green, fine grained and chloritized with irregularly dispersed purple-grey aphanitic, intensely silicified breccia sections. The degree and amount of silicification increases down-hole. The lowermost 10cm carries silicified clasts up to 5cm in size supported in a chloritized matrix. Silicification is spacially controlled in a general sense by brecciation, and is proportional in degree to the degree of brecciation. All silicified rock is weakly rective to HCl reflecting prior carbonatization. A narrow chloritized shear may be present at the lower contact.	6235		330.71	331.36	0.65			0.01	
331.36	341.58	UPPER SILICIFIED ZONE Dark purple-grey, often with a greenish hue locally, very fine grained to aphanitic. The purple colouration accompanies moderate to strong hematization in silicified breccia zones. Silicification is controlled by brecciation and the degree of silicification is generally very strong to intense. The greenish colouration is due to relic chloritization which has not been subjected to complete silicification. This rock may be moderately hematized locally. The degree of silicification increases down-hole as does the overall pyrite content. Pyrite is found as a very fine dissemination, as a fracture filling, and as coarse aggregates of finer grains up to 1.5cm in size. The rock is moderately magnetic throughout becoming weakly magnetic near the lower contact. 331.36-333.02: 80-90% silicified with indistinct patches of relic chloritization in the matrix to silicified breccia clasts. 333.02-336.99: greater than 95% silicified breccia - purple-grey matrix to fragments is often honey coloured on a mm scale - chloritized fractures have honey coloured halos. The rock is weakly reactive to HCl. Pyrite content increases (averaging 3-5%), in all previously noted forms.	6236	2-3	331.36	332.15	0.79			tr.	
			6237	2-3	332.15	333.02	0.87			tr.	
			6238	3-4	333.02	333.62	0.60			tr.	
			6239	3-5	333.62	334.26	0.64			0.02	
			6240	3-5	334.26	334.92	0.66			0.01	
			6241	3-5	334.92	335.70	0.78			tr.	
			6242	3-5	335.70	336.39	0.69			tr.	
			6243	3-4	336.39	336.99	0.60			tr.	
			6244	1-2	336.99	337.46	0.47			tr.	
			6245	1-3	337.46	338.14	0.68			tr.	
			6246	1-3	338.14	338.82	0.68			0.01	
			6247	1	338.82	339.23	0.41			0.01	
			6248	3-5	339.23	340.67	0.60			tr.	
			6249	4-6	340.07	340.67	0.60			0.05	
			6250	3-5	340.67	341.58	0.91			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 7 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		336.99-337.46: highly fractured with a lower pyrite content. Fractures are chloritized.									
		337.46-338.82: same as 331.36-333.02 meters.									
		338.82-339.23: weakly to moderately silicified with a distinct greenish hue.									
		339.23-340.67: purple-grey with abundant chloritized seams and fractures - carries up to 10% pyrite as a matrix to silicified fragments and as a fracture filling - zone averages 3-5%.									
		340.67-341.58: abundant cream coloured siliceous filling to purple-grey breccia fragments. Zone is non-magnetic to very weakly magnetic.									
341.58	361.88	UPPER TRANSITIONALLY SILICIFIED SEDIMENTS									
		Dark green, fine grained and moderately chloritized with 50-60% purple-grey, aphanitic silicified breccia zones. Silicification is dependent upon prior brecciation and the degree of silicification is very high with moderate to strong (prior) carbonatization. Chloritized rock is hematized but is not appreciably carbonatized. All rock is weakly to moderately magnetic becoming strongly magnetic locally. Major zones of silicified breccia are located at 342.46-342.62; 342.77-343.31; 344.02-344.71 and 346.82-348.09 meters. The zone from 341.58 to 346.82 averages 65% silicified breccia. Intervening sections of rock are up to 50% silicified but the green chloritized rock is the dominant alteration style. Up to 10% pyrite is noted locally - associated with silicified breccia.	6251	1-2	341.58	342.36	0.78			tr.	
			6252	2-3	342.36	343.31	0.95			tr.	
			6253	1-2	343.31	344.01	0.70			tr.	
			6254	2-3	344.01	344.71	0.70			tr.	
			6255	2-3	344.71	345.65	0.94			tr.	
			6256	1-3	345.65	346.31	0.66			tr.	
			6257	1-3	346.31	346.82	0.51			tr.	
			6258	2-3	346.82	347.42	0.60			tr.	
			6259	2-3	347.42	348.07	0.65			tr.	
			6260	2-3	348.07	348.95	0.88			tr.	
			6261	1	348.95	349.68	0.73			tr.	
			6262	2-3	349.68	350.25	0.57			tr.	
			6263	3-4	350.25	350.85	0.60			tr.	
			6264	3-4	350.85	351.33	0.48			tr.	
			6265	1	351.33	352.17	0.74			tr.	
			6266	1	352.17	352.96	0.79			tr.	
			6267	1	352.96	353.92	0.96			tr.	
			6268	1	353.92	354.76	0.84			tr.	
			6269	1	354.76	355.62	0.86			tr.	
			6270	1	355.62	356.56	0.94			0.01	
			6271	1	356.56	357.45	0.89			0.01	
		348.95-349.68: 5-10% silicified breccia with 1% pyrite. Weakly to moderately magnetic.									
		349.68-351.33: 80-90% purple-grey silicified breccia with increasing pyrite in the form of clots up to 3cm in size.									
		351.33-352.96: dominantly chloritized with 5-10% silicified breccia with 1% pyrite as clots up to 5mm in size. Moderately magnetic.									
		352.96-357.00: very well laminated on an irregular basis with alternating very fine medium green and black very									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 8 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		fine grained to aphanitic laminations. Black laminations carry magnetite - best noted at 352.98, 354.65, and 355.35 meters. Magnetite laminations up to 1cm in width rest on a strongly carbonatized and weakly silicified bed which becomes less altered with depth. No apparent relationship between alteration and brecciation is noted. Above the magnetite laminations, the green chloritized rock has abundant angular yellow-green shards which decrease in number upwards. Bedding: 65° at 354.65 and 355.35 meters. 60° at 356.80 meters.									
		357.00-358.11: essentially the same as the overlying zone with less than 5% silicified breccia and no magnetite bearing laminations. The zone is well laminated locally in 10cm sections. The zone from 356.95 to 357.05 is 50% ground core. The rock is non-magnetic to very weakly magnetic. Bedding is noted at 50° to the core axis at 357.75 meters.	6272	1	357.45	358.11	0.66			0.01	
			6273	1-2	358.11	359.01	0.90			0.01	
			6274	1	359.01	359.98	0.97			tr.	
			6275	1	359.98	361.05	1.07			tr.	
			6276	1	361.05	362.00	0.95			0.01	
		358.11-359.01: the rock is strongly silicified without evidence of brecciation and carries minor increased pyrite contents (1-2%).									
		359.01-361.88: chloritized with 50% spotty silicification similar to the overlying section. The rock is strongly reactive to HCl, especially where brecciated.									
361.88	363.72	SEDIMENTS									
		Dark green, fine grained and chloritized rock with less than 5% silicified breccia seams up to 3cm in width. Green rock is very weakly carbonatized and does not exhibit bedding laminations. It is very similar in alteration style and texture to the zone at 326.08-330.71 meters.	6277	1	362.00	362.82	0.82			0.01	
			6278	1	362.82	363.72	0.90			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 9 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
363.72	375.84	MAIN MINERALIZED ZONE The zone is composed of three members of which the lower two are much thinner than normal. The upper member is a zone of increasing silicification which overlies the main silicified zone. The former zone is a section characterized by rip-up clasts derived from the underlying member. The main silicified zone, which is much thinner than normal, is characterized by intensely silicified breccia and much higher pyrite contents - up to 12% locally. The lowermost member, which is also thinner than normal, is characterized by gradually decreasing contents of silicified breccia. However, this zone retains some relatively high pyrite contents (3-5%) locally.									
363.72	364.73	TRANSITIONAL SILICIFIED SEDIMENTS Green chloritized fine grained rock with pale grey to purple-grey highly carbonatized clasts and fragments up to 5cm in size. These clasts were derived through rip-up action through brittle brecciation of partially silicified sets of bedding laminations. Minor silicified breccia seams up to 1cm in width carry up to 5% pyrite locally. The percentage of silicified clasts increases down-hole to merge with a massive silicified breccia bed at 364.48-364.64 meters. This bed carries up to 10% finely disseminated pyrite. Angular, mm scale brecciation increases markedly below this level. A clay coated fault plane (the McKenna Fault), is noted at 60° to the core axis at 364.64 meters. A 9cm zone of silicified grit underlies this fault. The grit is contained within a chloritized matrix which is foliated at 50-55° to the core axis. Some well developed foliation (bedding) is noted at 364.15 meters at 40° to the core axis.	6279	1-2	363.72	364.48	0.76			0.03	
364.73	367.30	MAIN SILICIFIED ZONE Purple-grey to honey coloured intensely silicified breccia - very fine grained to aphanitic, with localized dark green fine grained zones of relic non-silicified, chloritized rock. Initially, silicified rock is strongly reactive to HCl due to prior	6280	8-10	364.48	365.00	0.52			0.11	
			6281	8-10	365.00	365.58	0.58			0.08	
			6282	3-5	365.58	366.25	0.67			0.09	
			6283	8-10	366.25	366.90	0.65			0.07	
			6284	8-10	366.90	367.30	0.40			0.08	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO Mc. 84-68 SHEET NO. 10 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		carbonatization. The reactiveness diminishes with depth due to masking by silicification. The zone averages approximately 6-8% pyrite as a fine dissemination and as cubes up to 1mm in size. 364.73-365.58: intensely silicified breccia, minor carbonate reaction, with 10-12% pyrite locally averaging 8-10% as a fine dissemination and as 1mm cubes. 365.58-366.25: same as above but with 1-5% gritty chloritized seams up to several cm in width. This section carries lower pyrite contents, averaging 3-5% with up to 10% locally. 366.25-367.30: silicified breccia clasts and silicified fragments up to 1.5cm in size have a pinkish hue and are set in a dark grey intensely silicified and finely brecciated matrix. The zone carries up to 10% pyrite in the matrix. Breccia has a crude fabric which probably reflects original bedding (eg. 45° at 366.65 meters).									
367.30	375.84	TRANSITIONALLY SILICIFIED SEDIMENTS Dark green, fine grained and chloritized with gradually decreasing amounts of purple-grey intensely silicified breccia. Top of zone is approximately 80% silicified with high pyrite contents (up to 10% locally) related to silicified breccia seams. Average pyrite content decreases with depth in response to decreasing silicification. Breccia seams are often foliated along what is probably original bedding (eg. 45° at 368.80 meters). 367.30-368.20:)80% silicified breccia with average of 5% pyrite. 368.20-369.83: 50% silicified breccia, often with cream to honey coloured matrix and up to 5% pyrite. Laminations at base at 65° to core axis. 369.83-371.29: dark purple-grey intensely silicified clasts and lensitic laminations with graphitic intercalated laminations, also some silicified clasts (rip-up) in graphitic matrix. Graphitic fault plane at 65° to core axis (bedding fault) at 369.85 meters. Silicified laminations are partially or completely replaced by pyrite, overall pyrite content is 5-7%.	6285	3-5	367.30	367.76	0.46			0.01	
			6286	5-7	367.76	368.20	0.44			0.01	
			6287	2-4	368.20	369.09	0.89			0.01	
			6288	2-4	369.09	369.83	0.74			0.01	
			6289	2-4	369.83	370.58	0.75			0.01	
			6290	5-7	370.58	371.29	0.71			0.01	
			6291	3-5	371.29	371.59	0.30			0.16	
			6292	1-3	371.59	372.51	0.92			0.01	
			6293	1-2	372.51	373.38	0.87			0.01	
			6294	1-2	373.38	374.29	0.91			0.01	
			6295	1-2	374.29	375.19	0.90			0.01	
			6296	1	375.19	375.84	0.65			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 11 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Bedding: 369.98 m: 60° to core axis. 370.15 m: 55° to core axis. A massively silicified bed with 8-10% pyrite is located at 371.05-371.15 meters. 371.29-371.59: purple-grey silicified breccia with pink clasts up to 1cm and 3-5% very finely disseminated pyrite. 371.59-373.38: same as 368.20-369.83 meters - 25-50% silicified breccia. Minor vague silicified laminations locally. 373.38-375.84: dark green, chloritized with <5% silicified breccia seams up to 1cm. Bedding laminations are better developed than above sections. Rippled laminations may be original rather than soft sediment deformation. Highly convoluted from 374.00 to 375.00 meters. Bedding laminations highlighted by carbonate which is subsequently weakly to moderately silicified. Non-magnetic. Bedding: 375.20 m: 60° to core axis. 375.70 m: 55-60° to core axis.									
375.84	430.23	SEDIMENTS									
		Dark green, very fine grained becoming fine grained locally in tuffaceous-looking zones. Bedding laminations are moderately well developed throughout but best observed when highlighted by selective carbonatization. Minor selective silicification of 1-2mm. Siliceous laminations are noted locally (also carbonatized). A zone of 40-50% silicified breccia with up to 5% pyrite is noted at 378.32 meters. A few white quartz veins up to 6cm in width are noted locally (eg. 379.73 meters). Zones of transitional-type silicified breccia are noted at 381.24-382.67 and at 387.45-388.62 meters. The latter has massive silicified breccia beds up to 32cm in thickness. A zone starting at 383.65 meters is well laminated/foliated and moderately to strongly carbonatized. Bedding: (measured with respect to the core axis) 381.70 m: 60° 383.40 m: 55° 384.45 m: 45° 387.25 m: 55° 388.70 m: 45-50°	6297	1	375.84	376.74	0.90			0.01	
			6298	1	376.74	377.64	0.90			0.01	
			6299	2-3	377.64	378.32	0.68			0.01	
			6300	1	378.32	379.31	0.99			0.01	
			6301	1	379.31	380.26	0.95			0.01	
			6302	1	380.26	381.24	0.98			0.01	
			6303	1	381.24	381.93	0.69			0.01	
			NOTE: 17cm of lost core at 381.93 meters								
			6304	2-3	381.93	382.67	0.74			tr.	
			6305	1	382.67	383.55	0.88			tr.	
			6306	1	383.55	384.50	0.95			tr.	
			6307	1	384.50	385.50	1.00			tr.	
			6308	1	385.50	386.49	0.99			tr.	
			6309	1	386.49	387.45	0.96			tr.	
			6310	3-5	387.45	387.99	0.54			0.04	
			6411	3-5	387.99	388.62	0.63			0.05	

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 12 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		381.24-382.67: transitional-type silicified breccia - total content is 25-35%. Up to 3% pyrite as a finely dissemination. Silicified rock is strongly carbonatized. Non-magnetic.									
		387.45-388.62: as above with purple-grey silicified breccia beds up to 32cm in thickness. Up to 10% pyrite locally as very fine dissemination and as clots in fracture voids up to 2cm. Average 3-5% (Lower Mineralized Zone). Minor bedding locally at 55° to core axis at 387.95 meters.									
		388.62-407.58: dark green with 5L% grey strongly carbonatized laminations. Trace of silicification locally. Carbonate alteration often crosscuts laminations in feathering out.	6412	1	388.62	389.53	0.91			tr.	
			6413	1	389.53	390.54	1.01			tr.	
			6414	1	390.54	391.51	0.97			0.03	
			6415	1	391.51	392.49	0.98			0.01	
		Bedding Foliations: (with respect to core axis) 390.30 m: 55° 392.60 m: 55-60°	6416	0-1	392.49	393.49	1.00			0.01	
			6417	0-1	393.49	394.44	0.95			tr.	
		Parting is very well devleoped along moderate to strong foliations. Bedding is generally not well developed but is quite good locally. Carries 1% pyrite as blebs up to 1mm in size. Rock carries 10-20% pale grey-yellow angular 'shardy' specks up to 1mm throughout. Local variations noted across bedding. Specks are not reactive to HCl. These are highly visible in vicinity of 393.50 meters. Specks are generally absent or greatly reduced from 399.10-400.20 and from 402.05-404.95 meters.	6318	0-1	394.44	395.43	0.99			tr.	
			6419	0-1	395.43	396.39	0.96			tr.	
			6420	0-1	396.39	397.37	0.98			tr.	
			6421	0-1	397.37	398.40	1.03			tr.	
			6422	0-1	398.40	399.35	0.95			0.06	
			6423	2-3	399.35	399.80	0.45			0.01	
			6424	0-1	399.80	400.80	1.00			0.01	
			6425	0-1	400.80	401.81	1.01			0.01	
			6426	1-2	401.81	402.51	0.70			0.01	
			6427	1	402.51	403.55	1.04			0.01	
			6428	1	403.55	404.50	0.95			0.01	
		Foliations: (measured with respect to core axis) 395.33 m: 50° 400.20 m: 55° 406.85 m: 55° 407.75 m: 55°	6429	0-1	404.50	405.50	1.00			0.01	
			6430	0-1	405.50	406.53	1.03			tr.	
			6431	2-4	406.53	407.18	0.65			tr.	
			6432	5-7	407.18	407.88	0.70			tr.	
		Laminations: 396.31 m: 55°									
		Minor localized silicified breccia with up to 7% pyrite (average 2-3%) between 399.35 and 399.80 meters. Minor increasing pyrite in narrow breccia seams noted at 401.81-402.51 meters, averaging 1-2%.									

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 13 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		407.58-407.88: dark green with abundant black intensely chloritized seams and laminations. Bedding is generally well developed. Silicified rock was strongly carbonatized evidenced by strong HCl reactions locally. Well laminated sections are separated by more massive but well foliated/parted sections. Pyrite occurs as very fine disseminations and cubes up to 3mm. Averages 3-5% but up to 20% is noted in well laminated sections. Replacement of silica. Trace of magnetism noted locally in laminated rock.										
		407.88-410.66: dark green, very fine grained with abundant (10%) yellowish specks as described in 388.62-407.58 meters. Rock is very well parted along a weak foliation at 65° to core axis at 408.45 meters. Zone carries 5-10% white angular clasts up to 4mm - mostly silica or siliceous. Rock has a general amygdaloid appearance except for angularity of clasts - TUFF? Weakly reactive to HCl - also being replaced by pyrite as cubes and grains up to 4mm. Pyrite also has a fine dissemination in narrow (1-2mm) carbonated and silicified seams. Overall averages 1-2%. A fine grained, obviously clastic zone, (relatively coarser grained) which has sharp contacts with very fine grained rock noted below 410.25 meters.	6334	1-2	408.88	409.84	0.96			tr.		
			6335	1-2	409.84	410.66	0.82			tr.		
		410.66-411.31: dark green to black, very fine grained, very finely developed laminations with abundant pyrite as crystals up to 2mm and as disseminations along bedding - replacement of earlier phase - possibly carbonate. An angular unconformity is noted at 411.05 meters between two lamination beds - possible cross-bedding (one set at 55-60°, lower set at 45-50°). Upper set is black, lower is pale greenish-grey. Pale unit quickly loses sense of laminations down-hole. Bedding laminations at 50-55° to core axis at 410.76 meters.	6336	3-5	410.66	411.31	0.65			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY McDermott

HOLE NO. Mc. 84-68 SHEET NO. 14 OF 14

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		411.31-430.23: generally same as zone at 407.88-410.66 meters with white clasts (concentrated) at upper contact to a depth of 411.70 meters. A well laminated zone at 413.77-414.05 meters (at about 30° to core axis) carries 5% pyrite very finely disseminated along laminations. Zone below 414.05 meters often carries 1-2% (locally) very finely disseminated pyite and 1mm cubes. Strongly fractured subparallel to core axis at 416.10-417.00 meters. Rock texture is highly ambiguous below 416.00 meters but HCl etching reveals weak foliations locally - parting weakly to moderately developed below this point and rock carries abundant pale coloured 'specks'. Weakly foliated zone at 423.20-423.35 meters at 45-60° to core axis. Narrow silicified breccia seams at 425.78-425.82 meters and 426.00-426.02 meters have a 'bedded' appearance at 50-60° to core axis. Very weak but illegible foliation locally below 420.00 meters. Speckled texture persists to basal contact. Lower unit (5-10mm) carries abundant grey siliceous clasts and 3-4% pyrite.	6337	1	411.31	412.33	1.02			tr.		
			6338	1	412.33	413.31	0.98			tr.		
			6339	2-3	413.31	414.28	0.97			tr.		
			6340	1	414.28	415.19	0.91			tr.		
			6341	1	415.19	416.14	0.95			tr.		
			6342	1	416.14	416.97	0.83			tr.		
			6343	1	416.97	417.94	0.97			tr.		
			6344	1	417.94	418.96	1.02			tr.		
			6345	1	418.96	420.01	1.05			tr.		
			6346	1	420.01	420.97	0.96			tr.		
			6347	1	420.97	421.94	0.97			tr.		
			6348	1	421.94	422.98	1.04			tr.		
			6349	1	422.98	423.96	0.98			tr.		
			6350	1	423.96	424.93	0.97			tr.		
			6351	1	424.93	425.95	1.02			tr.		
			6352	1	427.03	427.99	0.96			tr.		
			6353	1	428.91	429.41	0.50			tr.		
430.23	432.21	BASALT Medium to pale green, very fine grained to aphanitic, non-speckled, non-silicified, moderately chloritized, non-magnetic, massive flow with weak angular brecciation at upper contact marked by 1cm quartz stringers. Trace pyrite on average but up to 10% locally in silicified breccia seams up to 10cm.										
		432.21 meters END OF HOLE										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Hennessy
HOLE NO.: Mc 84-69 LENGTH: 551.08 meters
LOCATION:
LATITUDE: 8+50 E DEPARTURE: 4+80 S
ELEVATION: AZIMUTH: 335° DIP: -70°
STARTED: May 14, 1984 FINISHED: May 31, 1984

TROPARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
281.33	-54°	358.5°			
433.73	-49½°	002.5°			
551.08	-46°	002.5°			

HOLE NO. Mc.84-69 SHEET NO. 1 OF 10
REMARKS: BQ Core
Casing left in ground.

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	20.12	OVERBURDEN									
20.12	203.61	BASALT									

ACID DIP TESTS

0	-70°
45.72	-61.5°
91.44	-59.5°
137.16	-59.5°
182.88	-58°
228.60	-53°
274.32	-50°
320.04	-50.5°
365.76	-50°
410.87	-49°
459.64	-46.5°
502.92	-45.5°
548.64	-44°

The unit is composed of medium to dark green, fine grained massive flow. Medium grained phases are noted locally as flow centres. Flows are often flow brecciated with vesicular tops. Little interflow sediment is noted. Rocks are weakly to moderately chloritized but do not exhibit carbonatization. Silcification is limited to glassy flow margins and some flow brecia fragments. The unit is weakly to moderately magnetic, generally decreasing with depth. Averages 0-1% pyrite.

20.12 - 36.50: fine to very fine grained, angularly (tectonically) brecciated as a result of late stage flow movement. Non-magnetic.
36.50 - 37.05: abundant carbonate veining may indicate flow margin.
37.05 - 57.85: vesicular, often welded fragments (flow breccia) associated with this flow top. Fragments are often pale yellow-green as a result of intense silicification.
57.85 - 58.90: weakly brecciated massive flow.
58.90 - 59.05: strongly epidotized and silicified basal flow.
59.05 - 59.60: weakly vesicular flow top - angularly brecciated.
59.60 - 61.70: fine to very fine grained massive flow, moderately vesicular locally.

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 2 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		61.70 - 84.62: fine grained massive flow becomes weakly to moderately magnetic below 72.24 meters and moderately to strongly magnetic below 79.00 meters. Zone is cut by 1-2cm shears sub-parallel to core axis. Carries 1-2% pyrite.
		84.62: 1-2cm clay-filled shear at 15-20° to core axis. Rock above is strongly magnetic and below is non-magnetic.
		84.62 - 87.55: DIORITE - fine to medium grained with a pinkish, feldspathic medium grained core at 85.00-85.30 m.
		87.55 - 94.45: same as 61.70-84.62 meters. A purple-grey colouration is noted at 92.00-92.90 meters due to hematite and magnetite - may be a flow contact. Magnetism in lowermost 25cm decreases with increasing grain size.
		94.45 -100.75: fine to medium grained, becoming medium grained at 96.65-100.10 meters. Non-magnetic to locally weak magnetism.
		100.75-108.95: fine grained massive flow, very weakly magnetic locally.
		108.95-111.90: fine to very fine grained massive flow - weakly magnetic beoming moderate locally.
		111.90-112.37: very fine grained flow margin - minor brecciation in lower 10cm - underlying zone lacks flow top features.
		112.37-113.15: fine to very fine grained flow with grain size increasing down-hole.
		113.15-114.27: medium grained massive flow.
		114.27: faulted or displaced flow contact across a fracture at 55° to the core axis.
		114.27-121.00: flow-top breccia - angular fragments up to 4cm are surrounded by very dark green, moderately magnetic flow. Grades down-hole to mixed flow-top and flow breccia.
		121.00-121.31: mixed zone of basal flow and debris incorporated from underlying rock.

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 3 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ TON	
		121.31: sheared flow contact. 121.31-127.58: fine grained, angularly brecciated and fractured; vesicular above 124.10 meters. 127.58: flow contact at 20° to the core axis. 127.58-128.11: intensely silicified and strongly brecciated upper flow - resembles a quartz vein. 128.11-132.05: strongly brecciated; locally weakly silicified flow. Breccia is foliated at 20-25° to the core axis. Fractures are filled with a mix of hematite and magnetite. Moderately magnetic below 130.30 m. 132.05: flow contact at 45° to the core axis. 132.05-146.05: fine grained, irregularly flow banded locally near upper contact at 40-60° to core. Becomes fine to medium grained at 143.80-145.00 meters. Abundant epidotized seams and breccia above 136.00 meters. Very weakly magnetic - moderate locally. 146.05: flow contact - epidotized, locally silicified and brecciated. 146.05-146.22: very fine grained to aphanitic, brecciated flow. 146.22-148.60: fine to very fine grained, vesicular massive flow - weakly brecciated. 148.60-164.95: fine to very fine grained, weakly to very weakly magnetic. Rock is fine grained in a core at 157.55-160.35 meters. Lowest 3 m of flow is characterized by an increasing number of 1-5cm epidotized breccia seams and several 1-8cm white quartz veins. 164.95-165.30: contact(?) - highly brecciated with abundant free quartz dumped in voids. 165.30-203.61: brecciated and epidotized flow-top - minor weakly developed flow breccia grades down-hole to a fine to very fine grained, weakly to very weakly magnetic massive flow. Abundant magnetite-bearing shears and breccia seams up to 1.5cm thickness (eg. 180.45 and 181.80 m). Below 191.00 m, texture is variable with narrow 1-3cm medium grained seams. Some flow foliation is noted locally at 40-45° (eg.194.10).									

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 4 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
203.61	217.61	SEDIMENTS Upper contact is designated at a silicified seam (uncertain). Dark green, fine to very fine grained, well foliated at top becoming very finely laminated below 209.40 meters. Highly siliceous clasts up to 4cm in size are rafted into lamination sets. Fragments are essentially quartz and may have originated from magmatic flow-tops. Greyish, highly silicified laminations are noted locally - similar to those in upper transition of main mineralized zone. These may have been carbonatized although no acid reaction is apparent now. The zone from 213.08 to 214.20 meters is strongly brecciated along the bedding laminations with white carbonate filling. The zone 214.20-216.85 m is well foliated, non-laminated. The sediments in the unit are generally non-magnetic. Minor soft sediment deformation is noted locally over 5-10cm thicknesses. Bedding: (measured with respect to the core axis) 209.50: 38° 209.70: 55° 210.25: 42° 211.00: 55° 212.00: 45-50° 213.10: 50° 214.20: 40-45° 216.95: 50° 217.55: 45-50°	6354	1-2	210.00	210.58	0.58					
			6355	1	212.75	213.75	1.00					
217.61	500.56	BASALT Pale grey-green to dark green, fine grained flows - mostly pillowed but with massive tops up to 27 meters thickness. Flow thickness ranges from 4 to 45 meters. The massive flow tops are often irregularly zoned with vesicular phases. Pillowed sections are well developed and are usually silicified. Interflow sediments are common in beds up to 50cm thickness. The lowermost flow is typical in that it is massive and strongly flow brecciated. The rocks in this section are non-magnetic as is usual in the hanging wall. 217.61-219.75: weakly angularly brecciated with minor silicification. 219.75-220.30: strongly vesicular zone. 220.30-221.28: same as 217.61-219.75 meters. 221.28-221.90: vesicular, massive flow.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 5 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON
		221.90-224.55: pale green, massive, locally brecciated, weakly developed pervasive silicification.									
		224.55-238.40: strongly silicified pillowed flow - selvages are irregularly developed and brecciated.									
		238.40-247.05: same appearance as above but no selvages - abundant narrow silicified breccia seams.									
		247.05: silicified flow contact at 50° to the core axis.									
		247.05-247.73: silicified and angularly brecciated flow-top.									
		247.73-265.05: pale grey-green, silicified, very fine grained pillowed flow. Pillow centres are strongly epidotized. Selvages are chloritized and inter-pillow sediment is noted.									
		265.05-265.57: SEDIMENTS - purple hued, fine grained, non-laminated.									
		265.57-280.85: same as 247.73-265.05 meters - lowermost 15cm is debris clogged. A grit and clay filled fault plane is noted at 271.80 meters.									
		280.85: flow contact at 30° to the core axis.									
		280.85-284.71: medium to light green, very fine grained, pillowed flow with abundant debris in lower 3-5cm.									
		284.71: flow contact at 30° to the core axis.									
		284.71-299.90: olive green, very fine grained, with abundant epidotized and silicified breccia seams. Angular fragments up to 3cm gradually decrease in number and size with depth. Overall degree of brecciation also decreases with depth. The section below 294.20 m is weakly pillowed.									
		299.90-300.14: SEDIMENTS - weakly to moderately laminated, and foliated at 55-60° to core. Moderately carbonatized along selected laminations with selective epidotization and silicification. Probably tuffaceous.									
		300.14-305.70: medium to dark green, moderately to strongly silicified and brecciated massive flow.									
		305.70: flow contact.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 6 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		305.70-326.50: pale grey-green, very fine grained to aphanitic, strongly silicified pillowed flow. Pillows are poorly developed near basal contact. 326.50: flow contact at about 50° to the core axis. 326.50-353.25: medium to dark green, fine grained massive flow - weakly silicified and brecciated above 327.90 m. Vesicular to a depth of 328.45 m grading from 5-10mm to 0.5-1.0mm down-hole - TOPS UP. Grain size is variable due to internal mixing. The section from 333.50-353.25 meters is fine to medium grained with several medium grained phases. A very fine grained, purple hued intrusive is noted at 347.98-348.27 m (non-magnetic). 353.25-353.46: diminishing grain size grading into underlying pillowed section. 353.46-370.13: pillowed - gradational into above. Pillows are well developed above 365.21 but few selvages noted below this point. Lower section has a more massive appearance and is relatively coarser grained. It is also moderately to strongly magnetic locally. Grain size diminishes in lowermost 1.0 meter and basal 55cm is strongly brecciated. 370.13: flow contact at 60-70° to the core axis. 370.13-186.62: medium to dark green, pillowed flow, abundant angular brecciation of interiors. Generally non-magnetic - trace locally. 386.62: flow contact at 60-65° to the core axis. 386.62-390.40: strongly brecciated, epidotized and silicified flow-top. 390.40-394.90: medium grey-green, weakly brecciated locally, abundant narrow epidotized and silicified seams. Generally fine grained with minor medium grained phases up to 10cm in thickness. Grades into the underlying pillowed zone.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 7 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		394.90-465.27: medium green to pale grey-green, fine to very fine grained pillowed flow. Selvages are strongly epidotized and silicified. Interiors are moderately silicified. A zone of interflow sediment (lapilli tuff), is noted at 413.80-413.97 meters. Angular to sub-rounded clasts up to 1cm are noted - varying lithologies. Probably separates two pulses of same magma. A possible silicified flow contact is noted at 457.30-457.40 meters although no variation in lithologies. Non-magnetic.										
		465.27-465.80: SEDIMENTS - medium green, very fine grained to aphanitic, thinly laminated on a 0.1mm scale at 45° to the core (465.60 m). Lower contact is at 43° to core axis.										
		465.80-500.56: dark green, aphanitic to very fine grained, angularly brecciated with mixed flow breccia locally. Angular breccia is flow-top variety - non-welded, homogeneous lithology, often interlocking. Flow breccia fragments are sub-rounded and up to 5cm in size, welded, and contains varying volcanic compositions. Flow breccia is not well developed as a zone unto itself. Flow is essentially non-brecciated below 477.00 m. Narrow mafic intrusives are noted at 479.08-479.18 and 486.12-491.25 meters. They are pinkish-green in colour (dioritic), are fine grained, non-magnetic and carry biotite. Well developed chills mark the contacts at 40-60° to the core axis. Volcanic rocks within 1-2m of the intrusives are weakly magnetic. The zone below 493.25 meters carries epidotized and silicified xenoliths of sediment. The basal flow below 499.50 meters is flow foliated. The lower contact is uncertain.										

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc - 84-69 SHEET NO. 8 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
500.56	508.81	SEDIMENTS Dark green, very fine grained and moderately chloritized. Bedding is not well developed near the top - possibly obscured by tight breccia development. Some selective carbonatization replaces selected laminations or sets of laminations locally. This highlights a moderate to well developed foliation due to the grey hue of carbonate. Carbonatization also expands into feathery patches which cross-cut the bedding foliation. Yellow-green, leucoxenitic specks are noted near the upper contact. Minor silicification of carbonatized laminations is observed near the lower contact as the amount of carbonatization increases. The zone carries some purplish hematite in association with grey carbonatized laminations and bands. Some parting surfaces are strongly hematized. The zone averages 1% finely disseminated pyrite and carries up to 2% locally. It is weakly magnetic throughout. Bedding Foliation: (measured with respect to the core axis) 502.00 m: 40-45° 502.72 m: 60° 504.10 m: 60-65° 506.50 m: 65°	6356	1	502.31	503.12	0.81			tr.	
			6357	1-2	503.12	503.97	0.85			tr.	
			6358	1	503.97	504.82	0.85			tr.	
			6359	1	504.82	505.63	0.81			tr.	
			6360	1	505.63	506.45	0.82			tr.	
			6361	1	506.45	507.26	0.81			tr.	
			6362	1	507.26	508.07	0.81			tr.	
			6363	1	508.07	508.81	0.74			tr.	
508.81	526.35	MAIN MINERALIZED ZONE This zone is not well developed as reflected by its lack of thickness, lack of a main silicified zone and lack of pyrite mineralization. A zone of strong silicification at 509.41-509.75 represents the main silicified zone. The main mineralized zone is composed of essentially transitional-type alteration.									
508.81	526.35	TRANSITIONAL SILICIFIED SEDIMENTS Dark green, very fine grained to aphanitic with abundant pale grey, strongly carbonatized and variably silicified lamination sets and breccia seams. Near the upper contact, a few massively silicified breccia beds up to 15cm thickness are noted. The degree and amount of silicification increases down-hole, especially below 509.41 m. Silicification is generally breccia controlled and silicified rock									

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-69 SHEET NO. 9 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		becomes purple-grey in colour below 510.65 meters - probably the result of hematization. The McKenna Fault is represented by a 0.5cm grit and clay filled plane at 65° to the core axis at 509.58 m. No distinct "Main Silicified Zone" is present although a zone of intense silicification is observed at 509.41-509.75 m. This zone carries 2-3% pyrite - the highest amount observed. Other zones of silicification are noted at 511.78-512.28 and 512.58-513.15 meters although they carry up to 20% relic chloritized rock. Brecciation is on a very fine scale - often 0.1-0.5mm. Previous carbonatization of breccia has been masked by later silicification. Barren 1-2mm quartz stringers often cut silicified breccia - dumping of excess silica. The amount of brecciation, and consequently silicification decreases with depth - markedly below 515.85 m. Between 513.15 and 515.85 meters, the widest silicified breccia seams are 3-5cm. Below this zone, the widest examples are 1cm in thickness although silicification is often quite strong. All silicified rock below 513.15 m is reactive to HCl whereas green, non-silicified rock is not. The zone below 515.85 meters is relatively well laminated. Rarely, fracture surfaces and very narrow halos are honey coloured - similar to highly pyritiferous zones in other holes. A minor increase in silicified breccia is noted at 518.90-519.10 and 519.35-519.65 meters. The zone is initially weakly to moderately magnetic above the McKenna Fault but is non-magnetic below this point.	6364	1	508.81	509.41	0.60			0.03		
			6365	2-3	509.41	509.75	0.34			0.14		
			6366	1-2	509.75	510.58	0.83			0.01		
			6367	1-2	510.58	511.19	0.61			0.03		
			6368	1-2	511.19	511.78	0.59			0.01		
			6369	2	511.78	512.28	0.50			tr.		
			6370	1-2	512.28	513.15	0.87			tr.		
			6371	1	513.15	514.00	0.85			tr.		
			6372	1	514.00	514.82	0.82			tr.		
			6373	1	514.82	515.64	0.82			tr.		
			6374	1	515.64	516.55	0.91			0.01		
			6375	1	516.44	517.30	0.75			0.01		
			6376	1	517.30	518.11	0.81			0.01		
			6377	1	518.11	518.81	0.70			tr.		
			6378	1	518.81	519.68	0.87			tr.		
			6379	1	519.68	520.50	0.82			tr.		
			6380	1	520.50	521.40	0.90			tr.		
			6381	1	521.40	522.20	0.80			tr.		
			6382	1	522.20	523.00	0.80			tr.		
			6383	1	523.00	523.82	0.82			tr.		
			6384	1	523.82	524.63	0.81			tr.		
			6385	1	524.63	525.50	0.87			tr.		
			6386	1	525.50	526.35	0.85			tr.		

Bedding/Foliation: (measured against core axis)

Foliation at 508.85 m: 55°
" 511.55 m: 50-55°
" 515.20 m: 55°

Laminations at 516.10 m: 60-65°
" 517.25 m: 65°
" 520.90 m: 65°
" 523.35 m: 50-55°
" 526.30 m: 60°

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc . 84-69 SHEET NO. 10 OF 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
526.35	539.32	SEDIMENTS									
		Medium to dark green, very fine grained with selective grey carbonatization highlighting variably developed bedding laminations. The degree and amount of carbonatization decreases down-hole, particularly below 532.50 meters. Rare cream coloured sections of strongly silicified breccia are noted at 528.50-528.70 and 529.18-529.36 meters. These zones average 3-4% pyrite. A shear zone is located at 530.19-530.30 m with slippage at 35-40° to the core axis. The rock is well laminated above 531.25 meters and locally below this point. Abundant yellow-green leucoxenitic specks are noted below 531.80 m. Fractures in the lowermost 1-2 meters are moderately hematized.	6387	1	526.35	527.10	0.75			tr.	
			6388	1	527.10	527.86	0.76			0.06	
			6389	1	527.86	528.50	0.64			0.01	
			6390	2-3	528.50	529.36	0.86			0.09	
			6391	1	529.36	530.19	0.83			tr.	
			6392	1	530.19	531.12	0.93			tr.	
			6393	0-1	531.12	532.00	0.88			tr.	
			6394	0-1	532.00	532.86	0.86			0.04	
			6395	0-1	532.86	533.75	0.89			0.01	
			6396	0-1	533.75	534.67	0.92			0.01	
			6397	0-1	534.67	535.55	0.88			tr.	
			6398	0-1	535.55	536.42	0.87			tr.	
			6399	0-1	536.42	537.20	0.78			tr.	
			6400	0-1	537.20	538.05	0.85			tr.	
			6401	0-1	538.05	538.89	0.84			tr.	
		Bedding Laminations: (measured with respect to the core axis) 530.00 m: 50° 532.00 m: 45° 538.10 m: 55°									
539.32	551.08	BASALT									
		Dark green, fine grained and weakly brecciated throughout. Interflow sediment is noted at 542.10-545.15 meters. The sediments are poorly bedded and carry abundant leucoxenitic specks - possibly derived from lava. The underlying flow is a lighter green colour. Minor weak carbonatization of lava is observed and weak silicification is noted near the base of the hole. The rocks are non-magnetic. Fracture surfaces in sediments and lavas are strongly hematized. No pillows are observed but the lower flow might be a massive top to a pillowed unit.										
		551.08 meters END OF HOLE									
		CASING LEFT IN GROUND									

DIAMOND DRILL RECORD

NAME OF PROPERTY: CAMFLO WEST BLOCK
HOLE NO.: Mc-84-70 LENGTH: 240.60 meters
LOCATION:
LATITUDE: 7+06 W DEPARTURE: 3+72 N
ELEVATION: AZIMUTH: 360° DIP: -50°
STARTED: June 1, 1984 FINISHED: June 8, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°		182.88	-33½	
45.72	-44°		240.60	-29½	
91.44	-40°				
137.16	-36½				

HOLE NO. Mc-84-70 SHEET NO. 1 OF 5
REMARKS: BQ Core
Split for assay
Casing pulled
LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	18.90	OVERBURDEN									
18.90	107.07	BASALT									
		Dark green, fine grained massive flow with rare pillow development. Although no flow breccia is noted, minor angular brecciation is often associated with flow tops. These zones are often vesicular. The flows are moderately magnetic becoming strongly magnetic locally. The general degree of magnetism decreases slightly down-hole. Silicification of moderate strength is noted locally over meter-scale intervals. Flows carry 1% pyrite as blebs up to 1mm. No appreciable degree of chloritization or carbonatization is noted.	6402	1	54.37	55.26	0.89			0.01	
			6403	1	57.30	58.25	0.95			0.01	
			6404	1	58.99	59.89	0.90			0.03	
			6405	1	61.00	61.97	0.97			tr.	
			6406	1	62.79	63.66	0.87			tr.	
			6407	1-2	64.49	65.19	0.70			tr.	
		18.90 - 36.50: fine grained flow.									
		36.50 - 52.50: fine to medium grained flow becoming nearly medium grained at 49.90-52.05 meters. A narrow seam of angular brecciation at 39.85-40.08 meters is a shear zone of minimal displacement.									
		52.50 - 54.24: fine grained flow - probably basal flow.									
		54.24 - 65.19: FELDSPAR PORPHYRY: green to pinkish-green, very fine grained to aphanitic matrix surrounds 10% white to pale green euhedral feldspar phenocrysts up to 1cm in size. Feldspars are fractured and occasionally zoned. Rock carries 1% pyrite as cubes up to 1mm and as a fine dissemination. Weak to moderate magnetism is noted. Narrow pinkish breccia seams carry elevated pyrite - up to 2% locally. From 5 to 10% pyrite is notd in seams parallel to the lower									

DIAMOND DRILL RECORD

NAME OF PROPERTY Camflo West Block

HOLE NO. Mc.84-70 SHEET NO. 2 OF 5

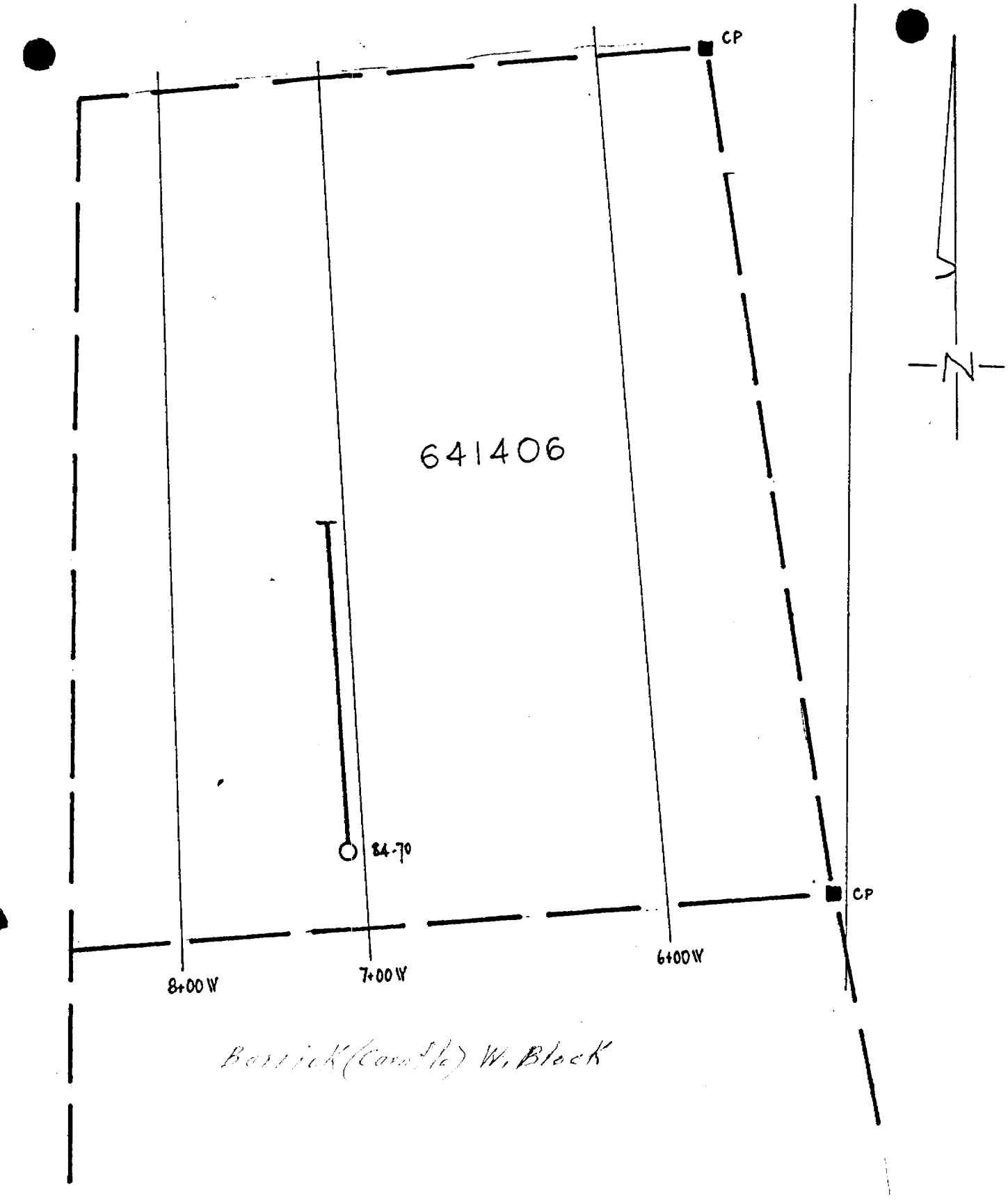
FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		contact below 65.10 meters. The lowermost 30cm is very fine grained, non-porphyritic and the contact is at 55° to the core axis.	6408	1-3	107.28	108.21	0.93			tr.	
			6409	1-3	108.21	109.00	0.79			tr.	
			6410	1-2	109.00	109.30	0.30			tr.	
		65.19 - 65.90: fine to very fine grained massive flow.	6411	1-2	109.30	110.20	0.90			tr.	
		65.90: flow contact.									
		65.90 - 66.35: vesicular, very fine grained flow top.	6412	1-2	111.50	112.50	1.00			tr.	
		66.35 - 67.35: weakly to moderately developed angular flow top breccia.	6413	1-2	113.74	114.70	0.96			tr.	
		67.35 - 78.66: fine to very fine grained massive flow; moderately magnetic becomes less magnetic with depth. Carries 1% pyrite as blebs up to 2mm.	6414	1-2	115.70	116.70	1.00			tr.	
		78.66 - 78.70: quartz filled and epidotized flow contact.	6415	1-2	117.80	118.82	1.02			tr.	
		78.70 - 89.32: very fine grained to aphanitic, very weakly brecciated, very weakly magnetic. 1% pyrite.	6416	1-2	120.25	121.25	1.00			tr.	
		89.32 - 89.75: silicified and brecciated flow contact; 3-5% pyrite locally.	6417	1-2	122.40	123.40	1.00			tr.	
		89.75 - 93.40: fine to very fine grained, moderately magnetic, weakly to moderately brecciated.	6418	1-2	124.55	125.51	0.96			0.01	
		93.40 - 95.25: pillowed flow - abundant epidotized and silicified selvages, very weakly magnetic locally, carries up to 10% pyrite in selvages.	6419	1-2	126.61	127.62	1.01			0.01	
		95.25 -106.25: fine grained, strongly epidotized breccia seams up to 10cm. The lowermost 50cm is brecciated on a 1mm scale; weakly magnetic locally.	6420	1-2	128.76	129.73	0.97			0.01	
			6421	1-2	131.00	132.00	1.00			0.01	
		106.25: flow contact at 50° to the core axis.									
		106.25-107.06: medium to dark green, aphanitic and very finely brecciated with angular fragments up to 3mm - shatter-type brecciation - no pull apart or rotation - rare matrix. A 1-2mm seam of hyaloclastite is noted at the upper contact.	6422	1-2	133.50	134.47	0.97			tr.	
			6423	1-2	135.60	136.55	0.95			tr.	
			6424	1	137.95	139.01	1.06			tr.	
			6425	1	140.35	141.34	0.99			tr.	
			6426	1	142.65	143.65	1.00			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Camflo West Block

HOLE NO. Mc.84-70 SHEET NO. 3 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
107.07	240.60	SEDIMENTS	6427	1	144.74	145.73	0.99			tr.	
			6428	1-2	147.22	148.20	0.98			tr.	
		Dark charcoal grey, very fine grained to aphanitic, well laminated sections alternate with pale grey, fine grained and non-laminated massive beds. Dark coloured sections and bands tend to be argillitic and are well parted. Pyrite is often found as narrow seams along the bedding laminations, and as clasts growing radially away from fractures (diagenetic pyrite). Laminations frequently include paler coloured and slightly coarser grained lensitic bands of 1-3mm thickness and several cm in length. These lenses are non-carbonate. Similar lenses of dark grey, very fine grained sediment are found in the pale grey massive beds. These beds have no bedding laminations and consequently no preferred parting. Pyrite is found as a fine dissemination. Overall pyrite content is 1-2%. Narrow (1-3mm) cross-cutting quartz stringers carry a trace of chalcopyrite and up to 2% pyrrhotite. Rare platelets of pyrrhotite are observed on parting surfaces. The rock is not silicified but coarser grained sections are probably silica cemented. No carbonatization was observed. With depth, it becomes apparent that the change from dark grey, very fine grained rock to pale grey fine grained rock represents graded bedding. Bedding laminations are less well developed below 122 meters. Rocks are non-magnetic. Some angularity of clasts in relatively coarser sections suggests a possibly tuffaceous origin.	6429	1-2	148.95	149.75	0.80			tr.	
			6430	1	150.48	151.25	0.77			tr.	
			6431	1-2	152.06	153.11	1.05			tr.	
			6432	1	154.10	155.10	1.00			tr.	
			6433	1	156.90	157.89	0.99			tr.	
			6434	1-2	158.69	159.70	1.01			tr.	
			6435	1-2	160.84	161.85	1.01			tr.	
			6436	1-2	163.14	164.18	1.04			tr.	
			6437	1-2	165.99	166.92	0.93			tr.	
			6438	1-2	168.33	168.79	0.46			tr.	
			6439	1-2	168.79	169.52	0.73			tr.	
		107.07-122.00: dominantly dark charcoal grey, very fine grained to aphanitic, well laminated, well parted parallel to bedding: 50° at 107.90 and 112.55 meters 45-50° at 115.40 and 121.30 meters.	6440	1-2	170.40	171.38	0.98			tr.	
			6441	1-3	172.45	173.49	1.04			tr.	
		122.00-146.15: dominantly pale to medium grey, fine grained, poorly laminated except in dark grey, very fine grained intercalations. Bedding: 45-50° at 125.75 meters 40-45° at 130.15 meters 60-65° at 142.10 meters 65° at 146.00 meters	6442	1-3	174.50	175.50	1.00			tr.	
			6443	1-3	176.59	177.61	1.02			tr.	



Barrick (Cons'ltd) W. Block

DRILL LOCATION SKETCH.
Scale 1:2500

DIAMOND DRILL RECORD

NAME OF PROPERTY Camflo West Block

HOLE NO. Mc.84-70 SHEET NO. 4 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		146.15-152.80: same as 107.07-122.00 meters. Clay and grit filled shear planes are noted at 70° to core axis at 150.10-150.15 and at 151.40-151.45 meters. Bedding: 50-55° at 151.95 meters	6444	1-3	178.70	179.73	1.03			tr.	
			6445	1-2	180.85	181.85	1.00			tr.	
		152.80-155.96: medium to pale grey to greenish-grey, massive, generally non-laminated section. A minor increase in grain size down-section is noted. TOPS UP.	6446	1-2	182.89	183.95	1.06			tr.	
			6447	1-2	185.05	186.04	0.99			tr.	
		155.96-158.45: dark to medium grey, very fine grained to aphanitic, well laminated and parted locally. A narrow slickensided fault plane is noted at approximately 158.00 meters in a section of ground core.	6448	1	187.20	188.21	1.01			tr.	
			6449	2-3	189.35	190.48	1.13			tr.	
		158.45-187.90: similar to 152.80-155.96 meters. Dark green, very fine grained tops grade down-section to fine grained bases with clasts up to 1.5mm.	6450	1-2	190.48	191.41	0.93			0.01	
			6451	1-2	193.24	194.05	0.81			0.01	
		Eg. 168.33-168.79: well parted fine grained top. 168.79-169.52: relatively coarser grained, conchoidal fracture.	6452	2-3	194.05	194.95	0.90			0.01	
			6453	2-3	196.22	197.22	1.00			tr.	
		Below 173.00 meters, graded beds are approximately 30cm in thickness. A slight reddish-green hue is noted at 173.95-175.05 meters. White bull quartz veins up to 1cm make up 1% of section - randomly oriented - diagenetic.	6454	2-3	198.28	199.28	1.00			tr.	
			6455	2-3	200.47	201.42	0.95			tr.	
		Bedding: 25-30° at 165.00 meters 60° at 172.45 meters	6456	1-3	202.56	203.61	1.05			tr.	
		Below 170.00-175.00 meters, finer grained tops are not well laminated - probably due to lack of argillitic debris.	6457	1-2	204.70	205.70	1.00			tr.	
			6458	1-2	206.70	207.77	1.07			tr.	
		187.90-190.48: dark green and fine grained with abundant epidotized halos surrounding fractures.	6459	1-2	208.92	209.90	0.98			tr.	
		190.48-194.05: INTRUSIVE(?) - dark green, fine grained with 1mm biotites throughout. Non-magnetic with trace locally. The lower contact is highly sheared over 5cm.	6460	1-2	210.90	211.92	1.02			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Camflo West Block

HOLE NO. Mc.84-70 SHEET NO. 5 OF 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		194.05-201.80: medium to dark greenish-grey, fine to very fine grained, very weakly laminated locally (eg. 55° at 198.20 meters). The rock is moderately brecciated and silicified locally in 10-15cm sections (eg. 201.10-201.25 meters) - associated with very fine grained tops of beds - probably diagenetic in origin.	6461	1-2	213.00	214.05	1.05			tr.		
			6462	1-2	215.15	216.15	1.00			tr.		
			6463	1-2	217.15	218.15	1.00			tr.		
			6464	1-2	219.40	220.40	1.00			tr.		
		201.80-210.10: dark greyish-green, aphanitic to very fine grained tops grade downwards to fine grained greyish bases. The beds are well defined along sharp depositional boundaries. Below 205.00 meters, beds are slightly thicker and a slight increase in maximum grain size is noted (0.5mm). Bedding at 203.50 meters is at 45-50° to the core axis.	6465	1-2	221.45	222.47	1.02			tr.		
			6466	1-2	223.55	224.56	1.01			tr.		
			6467	1-2	225.61	226.61	1.00			tr.		
		210.10-228.00: average bed thickness continues to increase ranging from 45cm to 1.5 meters. Clasts up to 1.5mm are noted at the bases of beds. They are a mixture of very angular and sub-rounded crystal and lithic material. Occasional biotites are noted up to 1mm in size - very immature. Rock has a purple hue locally - associated with relatively coarser grained fractions.	6468	1-2	227.70	228.80	1.10			tr.		
			6469	1-2	229.90	231.00	1.10			tr.		
			6470	1-2	232.10	233.10	1.00			tr.		
			6471	1-2	234.20	235.21	1.01			tr.		
		Bedding: 40° at 211.50 meters 35° at 216.15 meters	6472	1-2	236.31	237.30	0.99			tr.		
		228.00-240.60: similar to overlying section. Beds are thicker, ranging up to 2.0-3.5 meters. Maximum grain size is 1.5mm. Tops are very fine grained, and beds are not overturned. Bedding is often off-set by microfaults - up to 2cm displacement noted. Some bedding laminations are noted in the lowermost 20cm of the hole - 60-65° at 231.61; 50-55° at 236.71; 50° at 240.07 meters.	6473	1-2	238.43	239.40	0.97			tr.		
			6474	1-2	239.40	240.44	1.04			tr.		
		240.60 meters END OF HOLE										
		CASING PULLED										

DIAMOND DRILL RECORD

NAME OF PROPERTY: Hennessy
HOLE NO.: Mc. 84-71 LENGTH: 115.21 meters
LOCATION:
LATITUDE: 3+00 E DEPARTURE: 0+34.5 S
ELEVATION: AZIMUTH: 344° DIP: -45°
STARTED: June 11, 1984 FINISHED: June 15, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-45°				
46.00	-43°				
106.10	-40°				

HOLE NO. Mc.84-71 SHEET NO. 1 OF 4
REMARKS: Casing pulled
LOGGED BY: Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	21.95	CASING									
21.95	58.06	MAIN MINERALIZED ZONE									
		The hole reached bedrock in the Main Silicified Zone, and from that point the usual sequence is found, ie. Main Silicified Zone at 21.95-29.93; followed by the Lower Transition Zone at 29.93-58.06; and by unsilicified sediments and volcanics.									
21.95	29.93	MAIN SILICIFIED ZONE									
		Dark grey to greenish-grey, massive, well silicified, brecciated; some honey and reddish coloured zones; 2-5% pyrite - fairly evenly distributed.									
		21.95 - 22.49: light grey to honey coloured, up to 10% pyrite, with almost massive area. Fractured.	6475	10	21.95	22.49	0.54			0.11	
		22.49 - 23.10: fractured parallel to the core axis; darker grey with 15% honey coloured spots; 3% pyrite.	6476	3	22.49	23.10	0.61			0.01	
		23.10 - 23.77: dark grey with some honey to purplish zones; 5% pyrite. Poorly laminated at 50° to core axis.	6477	5	23.10	23.77	0.67			0.01	
		23.77 - 26.33: dark grey, brecciated with a few paler zones, 2-3% pyrite; well laminated at 45° to core axis; massive.	6478	2	23.77	24.63	0.86			0.01	
			6479	2	24.63	25.54	0.91			tr.	
			6480	3	25.54	26.33	0.79			tr.	
			6481	5	26.33	26.91	0.58			0.05	
			6482	3	26.91	27.55	0.64			0.01	
			6483	2	27.55	28.47	0.92			0.01	
		26.33 - 26.91: lighter grey, with some honey coloured zones; contains over 5% pyrite - very fine, disseminated and in veinlets. Weakly laminated.	6484	3	28.47	29.41	0.94			0.01	
			6485	2	29.41	29.93	0.52			tr.	
		26.91 - 27.55: fairly massive, dark grey, 3% very finely disseminated pyrite.									
		27.31: white, cherty fragment?									

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc 84-71 SHEET NO. 2 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		27.55 - 28.47: more or less laminated; 2% fine disseminated pyrite. Pinkish and cherty material from 27.55-27.74 m.									
		28.47 - 29.41: dark grey, fairly well laminated at 50° to the core axis; 3% pyrite.									
		29.41 - 29.93: greenish-grey with a purplish tint, and 4cm of honey coloured material at 29.90 meters; 2% pyrite.									
29.93	58.06	LOWER TRANSITION ZONE									
		The silicification is gradually decreasing; the rock is a series of alternating silicified and unsilicified zones of varying widths; the siicified zones being from dark grey to purplish and the unsilicified zones are dark green. More than 80% of the rock is silicified at the beginning of the zone to less than 20% at the end of the zone.									
		29.93 - 36.73: 70-80% silicified, dark grey; 20% well laminated, unsilicified dark green sediments, carbonated. Laminated at 50-60° to the core axis.	6486	2	29.93	30.78	0.85			tr.	
			6487	2	30.78	31.40	0.62			tr.	
			6488	1-2	31.40	31.91	0.51			tr.	
		29.93 - 30.78: 90% silicified, medium grey, with purplish to creamy tint; 1-2% very finely disseminated pyrite.	6489	1-2	31.91	32.77	0.86			tr.	
			6490	3	32.77	33.53	0.76			tr.	
		30.78 - 31.40: fractured, 50% silicified dark to greyish-green, with few light grey to creamy coloured areas (due to sericite alteration) and purplish tint; 2% pyrite.	6491		33.53	34.44	0.91			tr.	
			6492		34.44	35.33	0.89			tr.	
			6493		35.33	36.27	0.94			0.01	
		31.40 - 31.91: 50% silicified, well laminated, dark green to purplish-grey; 1-2% pyrite.	6494		36.27	36.73	0.46			0.01	
			6495	1	36.73	37.64	0.91			tr.	
		31.91 - 32.77: 80% silicified, light to greenish-grey, with white, cherty beds at 32.16 meters; 1-2% pyrite.	6496	1	37.64	38.40	0.76			tr.	
			6497	1	38.40	39.32	0.92			tr.	
		32.77 - 33.53: 70% silicified, purplish zones. 30% dark green, unsilicified zones; 3% pyrite.	6498	1	39.32	40.23	0.91			tr.	
			6499	1	40.23	41.15	0.92			tr.	
		33.53 - 36.27: 60-65% silicified, dark grey to purplish; 1-2% pyrite.	6500	1	41.15	42.06	0.91			tr.	
			6501	1	42.06	42.98	0.92			tr.	
		36.27 - 36.73: 40% silicified zones, composed mostly of light "vein-like" beds in dark green sediments.	6502	1	42.98	43.89	0.91			tr.	
			6503	1	43.89	44.81	0.92			tr.	
		36.73 - 44.81: 10% silicified and carbonated, as thin, white beds and quartz-carbonate veinlets; massive, well laminated at 50-60° to core axis; tr-1% pyrite.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-71 SHEET NO. 3 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		44.81 - 47.79: 40% silicified, looks more like the typical transition zone than previous section. Alternating dark grey, silicified sediments and dark green unsilicified sediments. 2-3% pyrite. It is possibly the beginning of another silicified zone. 46.63-47.46: 5% pyrite - coarse, disseminated. 70% silicified.	6504	2-3	44.81	45.72	0.91			0.03	
			6505	2-3	45.72	46.63	0.91			0.01	
			6506	5	46.63	47.46	0.83			0.01	
			6507	1-2	47.46	47.79	0.33			tr.	
		47.79 - 58.06: light to dark green, 10-20% quartz-carbonate veining, slightly silicified with purplish to pinkish thin beds?; about 50° to the core axis, well laminated; local pyrite concentration up to 5% but 1-2% average. Very uniform. 56.88-57.30: 5% pyrite.	6508	1-2	47.79	48.77	0.98			tr.	
			6509	1-2	48.77	49.77	1.00			tr.	
			6510	1-2	49.77	50.78	1.01			tr.	
			6511		50.78	51.82	1.04			tr.	
			6512	1-2	51.82	52.82	1.00			tr.	
			6513	1-2	52.82	53.83	1.01			tr.	
			6514	1	53.83	54.86	1.03			0.02	
			6515	1	54.86	55.87	1.01			tr.	
			6516	1	55.87	56.88	1.01			tr.	
		58.06: arbitrary contact.	6517	5	56.88	57.30	1.02			tr.	
			6518		57.30	58.06	0.76			tr.	
58.06	61.72	SEDIMENTS									
			6519		58.06	59.01	0.95			tr.	
		10-15% quartz-carbonate veinlets in medium green, poorly laminated sediments.	6520		59.01	60.05	1.04			tr.	
			6521		60.05	60.96	0.91			tr.	
			6522		60.96	61.92	0.96			tr.	
61.72	63.67	SYENITE DYKES									
			6523		61.92	62.36	0.44			tr.	
		Dark red, massive, brecciated, very few phenocrysts and some carbonate veinlets, but less than adjoining sediments. Trace pyrite. 62.36 - 62.82: dark green sediments.	6524		62.36	62.82	0.46			0.02	
			6525		62.82	63.67	0.85			0.01	
63.67	91.00	SEDIMENTS	6526	1	63.67	64.68	1.01			0.06	
			6527	1	64.68	65.71	1.03			0.01	
		Medium green to dark green, medium to fine grained, tuffaceous, more or less well laminated. 15% carbonate veinlets at 60° to the core axis down to 74.85 meters; and 10% down to 87.78 meters. Trace to 1% pyrite. 67.97 - 68.28: quartz vein, 4% pyrite. 74.52 - 87.78: slightly lighter green, poorly laminated at 60° to core axis; 5-10% carbonate veining; trace pyrite.	6528	1	65.71	66.75	1.04			0.01	
			6529	1	66.75	67.36	0.61			0.01	
			6530	1	67.36	67.97	0.61			tr.	
			6531	4	67.97	68.28	0.31			tr.	
			6532	tr	68.28	69.28	1.00			tr.	
			6533	tr	69.28	70.29	1.01			tr.	
			6534	1	70.29	71.32	1.03			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Hennessy

HOLE NO. Mc. 84-71 SHEET NO. 4 OF 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
91.00	106.07	VOLCANICS Intercalated pillows, flows and tuffs, sheared and laminated; trace pyrite. Contacts are not well defined.
106.07	115.21	BASALTS Medium to dark green, fine to medium grained, at center of flow, massive, weakly carbonated.
		115.21 meters END OF HOLE CASING PULLED

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
6535	1	71.32	72.33	1.01			tr.	
6536	tr	72.33	73.33	1.00			tr.	
6537	1	73.33	74.52	1.19			tr.	
6538		76.20	77.21	1.01			0.03	
6539		79.25	80.25	1.00			0.01	
6540		82.30	83.30	1.00			0.01	
6541		85.34	86.35	1.01			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY: Lost Treasure
HOLE NO.: Mc. 84-72 LENGTH: 154.84 meters
LOCATION:
LATITUDE: 1+00 E DEPARTURE: 0+75 S
ELEVATION: AZIMUTH: 344° DIP: -50°
STARTED: June 15, 1984 FINISHED: June 21, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°				
45.00	-44°				
91.00	-40½°				
127.00	-37°				

HOLE NO. Mc .84-72 SHEET NO. 1 OF 6
REMARKS: Casing pulled
LOGGED BY: Gilles Tousignant

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	31.70	CASING									
31.70	53.04	INTRUSIVE(?) Coarse grained, phenocrysts up to 3mm in diameter, dark green, 10-15% epidote - possibly diorite or center of flow(?) Very heavily fractured and broken core - ground and lost core less than 10% and 30% of the core is gravel. Diabase texture noted in places. 35.97 - 37.34: rusted; 0.8 meters ground core. 39.01 - 40.84: rusted, very heavily fractured. 45.11 - 47.85: 1 meter ground core. 49.38 - 50.60: rusted, very heavily fractured. 51.20 - 53.04: very heavily broken core.									
53.04	58.22	VOLCANICS Probably andesite; dark green, heavily brecciated, possibly fault zone. Aphanitic, hard, some hematite staining in fractures.									
58.22	67.64	FLOW BRECCIA Medium to dark green, very fine grained fragments, 2-3% carbonate stringers. The fragments are up to 2cm in diameter - possibly from pillows. Andesite(?) 60.98: more carbonated, 5% carbonate veinlets.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc . 84-72 SHEET NO. 2 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
67.64	72.48	BASALT Medium green, 10% quartz-carbonate veinlets, massive, few breccia zones, carbonated.									
72.48	74.16	SEDIMENTS Dark green, poorly laminated at 60-65° to the core axis, fine grained, trace to 1% pyrite.	6542 6543	1 1	72.48 73.40	73.40 74.16	0.92 0.76			0.01 0.01	
74.16	75.29	UPPER TRANSITION ZONE Medium to purplish green, fairly well laminated, 50-60% silicified, 20% quartz veining with pale brown to reddish material, 2-3% very fine pyrite. 74.16 - 74.71: 40% silicified, dark, brownish to purplish-green, 2-3% pyrite, 5% honey coloured material associated with quartz veins (20° to core axis). 74.71 - 75.29: 70% silicified, dark green to honey coloured with some purplish tint, weakly brecciated. 75.29: Clay Fault	6544 6545	3 3	74.16 74.71	74.71 75.29	0.55 0.58			0.02 tr.	
75.29	84.98	MAIN SILICIFIED ZONE Dark to purplish-grey, fairly well laminated at 60-65° to the core axis. Silicified, massive, highly carbonated, brecciated - not typical of this zone. Contact at 84.98 meters is more or less arbitrary - not well defined. 75.29 - 75.90: dark grey to greenish, 5% pyrite. 75.90 - 76.75: lighter grey, honey tint, up to 10% very finely disseminated pyrite. 76.75 - 77.57: dark grey, weakly laminated at 60-65° to core axis, some honey tinted sections. 77.57 - 78.33: lighter grey, well laminated, weakly brecciated, 3 quartz-carbonate veinlets at 45° to core axis, sub-parallel to laminations.	6546 6547 6548 6549 6550 6551 6552 6553 6554 6555 6556 6557 6558 6559	5 10 3 2 4 10 5 5 3 3 3 7 3 3	75.29 75.90 76.75 77.57 78.33 78.82 79.25 80.07 80.71 81.31 82.08 82.72 83.52 84.22	75.90 76.75 77.57 78.33 78.82 79.25 80.07 80.71 81.31 82.08 82.72 83.52 84.22 84.98	0.61 0.85 0.82 0.76 0.49 0.43 0.82 0.64 0.60 0.77 0.64 0.80 0.70 0.76			tr. 0.03 0.01 0.01 0.01 0.01 0.02 0.02 0.01 0.02 0.01 tr. tr. tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-72 SHEET NO. 3 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		78.33 - 78.82: dark, greenish-grey, 3-4% fine pyrite.									
		78.82 - 79.25: dark grey, honey to white tint, up to 10% finely disseminated pyrite.									
		79.25 - 80.07: lighter grey, fairly well laminated, greenish beds, 5% pyrite.									
		80.07 - 80.71: greyish-green with pinkish to honey tints, 5% pyrite.									
		80.71 - 82.08: lighter greenish-grey, 95% silicified, 3-4% pyrite.									
		82.08 - 82.72: lighter grey, massive, 3% pyrite.									
		82.72 - 83.52: medium to dark grey, some honey coloured zones, up to 7% pyrite.									
		83.52 - 84.22: medium grey to greenish-grey, 3% pyrite.									
		84.22 - 84.98: dark to medium greenish-grey, 35 pyrite.									
84.98	146.82	LOWER TRANSITION ZONE									
		No sharp contact with silicified zone; the degree of silicification decreases from 95% at 84.98 meters to less than 10% in places. The pyrite content varies accordingly. The zone is made of silicified, sometimes cherty, rock horizons alternating with unsilicified beds. In some areas, quartz-carbonate veinlets also add to the silica content.									
		84.98 - 85.59: 90% silicified, dark greenish-grey, weak honey tint, 5% fine pyrite.	6560	5	84.88	85.59	0.61			tr.	
		85.59 - 86.47: light, honey to pinkish-grey, 95% silicified, some white cherty beds, 5% pyrite; fairly well laminated at 60-65° to the core axis.	6561	5	85.59	86.47	0.88			0.10	
			6562	2	86.47	87.23	0.76			0.03	
		86.47 - 87.23: poorly laminated, 90% silicified, brecciated, light grey to pinkish, 2% pyrite.	6563	2	87.23	87.97	0.74			0.01	
			6564	2	87.97	88.82	0.85			0.01	
		87.23 - 87.97: 85% silicified, greenish-grey, poorly laminated, 2% disseminated pyrite.	6565	2	88.82	89.49	0.67			0.01	
			6566	1	89.49	90.43	0.94			0.02	
		87.97 - 90.43: dark, greyish-green, 70% silicified, some lighter, pinkish to honey coloured sections, 1-2% pyrite.	6567	2	90.43	91.14	0.71			0.01	
			6568	1	91.14	92.08	0.94			0.01	
		90.43 - 92.08: 50% silicified, medium to pinkish-green, well laminated at 55° to the core axis, 1% pyrite. The silicified sections are pinkish to purplish.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc . 84-72 SHEET NO. 4 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		92.08 - 92.96: medium to dark green, 40% silicified, pinkish tint.	6569	1	92.08	92.96	0.88			0.01		
		92.96 - 94.88: 60% silicified, dark to pinkish-green, poorly laminated, 2-3% pyrite.	6570	3	92.96	93.88	0.92			0.02		
			6571	3	93.88	94.88	1.00			tr.		
		94.88 - 98.82: 30% silicified, medium to dark green, with pinkish quartz-carbonate veinlets and silicified beds, poorly laminated, trace to 1% pyrite.	6572	1	94.88	95.74	0.86			tr.		
			6573	1	95.74	96.93	1.19			tr.		
			6574	tr	96.93	97.90	0.97			tr.		
		98.82 - 99.12: dark pink, fine grained syenitic dyke, massive, not mineralized, almost parallel to bedding.	6575	1	97.90	98.82	0.92			tr.		
			6576	tr	98.82	99.12	0.30			tr.		
		99.12 -100.86: 30% silicified, poorly laminated, medium to dark green, pinkish quartz-carbonate veinlets.	6577	1	99.12	99.70	0.58			tr.		
			6578	tr	99.70	100.86	1.16			tr.		
		100.86-101.74: 40% silicified, dark medium green, pinkish horizons, 1% pyrite.	6579	1	100.86	101.74	0.88			0.03		
			6580	1	101.74	102.78	1.04			tr.		
		101.74-102.78: 25% silicified, poorly laminated, pinkish quartz-carbonate veinlets, trace pyrite.	6581	tr	102.78	103.63	0.85			0.01		
			6582	2	103.63	104.58	0.95			0.01		
		102.78-103.63: pinkish-green, 60% silicified, brecciated, 1-2% pyrite.	6583	1	104.58	105.37	0.79			0.01		
			6584	1	105.37	106.22	0.85			0.01		
		103.63-107.17: pinkish-green, 40% silicified, brecciated, poorly laminated, 1% pyrite, 10% pinkish quartz-carbonate veinlets.	6585	1	106.22	107.17	0.95			0.01		
			6586	1	107.17	108.11	0.94			tr.		
			6587	1	108.11	108.81	0.70			tr.		
		107.17-109.73: 20% silicified, medium pinkish-green, poorly laminated, 10% pink quartz-carbonate veinlets.	6588	1	108.81	109.73	0.92			tr.		
			6589	2	109.73	110.28	0.55			tr.		
		109.73-110.28: 60% silicified, pinkish to greenish, poorly laminated.	6590	1	110.28	110.86	0.58			tr.		
			6591	3	110.86	111.85	0.97			tr.		
		110.28-110.88: 30% silicified, dark to pinkish-green.	6592	tr	111.85	112.59	0.76			tr.		
		110.88-111.83: 70% silicified, pinkish, fairly well laminated at 60° to the core axis, possibly some cherty beds.	6593	1	112.59	113.32	0.73			tr.		
			6594	1	113.32	114.30	0.98			tr.		
		111.83-112.59: 40% silicified, poorly laminated, pinkish-green, trace pyrite.	6595	3	114.30	115.21	0.91			tr.		
			6596	3	115.21	115.88	0.67			tr.		
		112.59-115.88: 60% silicified, poorly laminated, dark pinkish-green, few quartz-carbonate veinlets and cherty beds.	6597	2	115.88	116.83	0.95			tr.		
			6598	2	116.83	117.74	0.91			0.01		
			6599	2	117.74	118.66	0.92			0.01		
		114.30-115.88: some honey coloured zones, 3% pyrite.										
		115.88-116.83: 40% silicified, pinkish-green, trace pyrite.										
		116.83-118.66: 50% silicified, pinkish medium green, some honey coloured spots, 2% pyrite.										

DIAMOND DRILL RECORD

NAME OF PROPERTY

HOLE NO. Mc. 84-72 SHEET NO. 5 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		118.66-120.45: 75% silicified, lighter grey, purplish to honey coloured, brecciated - lower zone? 3% very finely disseminated pyrite.
		120.15-121.07: 40% silicified, dark pinkish-green, purplish tint.
		121.07-122.10: pinkish to purplish-green, some honey zones, 70% silicified, 2% pyrite.
		122.10-124.54: dark to greyish-green, fairly well laminated, some brecciation, cherty beds, 30% silicified.
		124.54-127.04: medium green, 10-15% silicified, only the quartz-carbonate veinlets are reacting to HCl, the matrix being less carbonated. It is not like the typical transition zone.
		127.04-127.50: brown to honey coloured, 90% silicified, 2% finely disseminated pyrite, brecciated.
		127.50-128.44: 40% silicified, medium green with brownish to pinkish zones, poorly laminated.
		128.44-130.45: medium green, 10% slicified, over 15% quartz-carbonate veinlets - not typical of transition zone.
		130.45-135.21: medium to light green, 20% silicified, not typical of transiton zone but included because of the few silicified horizons present in the unit.
		135.21-138.20: typical zone - pinkish to medium green, 30-35% silicified, better laminated than the previous.
		138.20-140.15: 70% silicified, grey to pinkish zone with 30% dark green, unsilicified horizons. 2% pyrite, fairly well laminated at 65° to the core axis.
		140.15-146.82: silicification decreasing from 30% at 140.15 meters to about 10% at 146.82 meters. Dark green sediments with pinkish-grey, silicified zones, trace to 1% pyrite. Contact arbitrary - not well defined.

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON	
6600	3	118.66	119.54	0.88			0.01		
6601	1	119.54	120.45	0.91			0.01		
6602	1	120.15	121.07	0.92			0.01		
6603	2	121.07	122.10	1.03			tr.		
6604	1	122.10	123.08	0.98			tr.		
6605	1	123.08	123.78	0.70			tr.		
6606	1	123.78	124.54	0.76			tr.		
6607	tr	124.54	125.30	0.76			tr.		
6608	tr	125.30	126.16	0.86			tr.		
6609	tr	126.16	127.04	0.88			tr.		
6610	tr	127.04	127.50	0.46			0.02		
6611	tr	127.50	128.44	0.94			0.01		
6612	tr	128.44	129.42	0.98			0.02		
6613	tr	129.42	130.45	1.03			0.02		
6614	tr	130.45	131.40	0.95			0.01		
6615	tr	131.40	132.28	0.88			0.01		
6616	tr	132.28	133.35	1.07			0.01		
6617	tr	133.35	134.17	0.82			0.13		
6618	tr	134.17	135.21	1.04			tr.		
6619	tr	135.21	136.03	0.84			tr.		
6620	1	136.03	136.70	0.67			tr.		
6621	1	136.70	137.68	0.98			0.01		
6622	1	137.68	138.20	0.52			0.01		
6623	2	138.20	139.20	1.00			0.01		
6624	2	139.20	140.15	0.95			tr.		
6625	1	140.15	141.18	1.03			tr.		
6626	1	141.18	142.22	1.04			tr.		
6627	1	142.22	143.01	0.79			tr.		
6628	tr	143.01	144.08	1.07			tr.		
6629	tr	144.08	145.08	1.00			tr.		
6630	1	145.08	146.03	0.95			tr.		
6631	tr	146.03	146.82	0.79			tr.		
6632	tr	146.82	147.98	1.16			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-72 SHEET NO. 6 OF 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
146.82	150.94	SEDIMENTS Dark green, fine grained, massive, 10% quartz-carbonate veinlets, poorly laminated at 60° to the core axis. contacts are not well defined.	6633	tr	147.98	148.74	0.76			tr.	
			6634	tr	148.74	149.50	0.76			tr.	
			6635	tr	149.50	150.27	0.77			tr.	
			6636	tr	150.27	150.94	0.67			tr.	
150.94	154.84	SEDIMENTS Dark green to medium green, fine grained, with some black chlorite seams and some tuffaceous interbeds.	6637	tr	150.94	151.88	0.94			tr.	
			6638	tr	151.88	152.80	0.92			tr.	
			6639	tr	152.80	153.77	0.97			tr.	
			6640	tr	153.77	154.84	1.07			tr.	
		154.84 meters END OF HOLE CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY: Lost Treasure
HOLE NO.: Mc. 84-73 LENGTH: 219.43 meters
LOCATION:
LATITUDE: 0+00 E DEPARTURE: 0+72 S
ELEVATION: AZIMUTH: 344° DIP: -60°
STARTED: June 22, 1984 FINISHED: June 28, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°		182.88	-45½	
45.71	-49°				
91.44	-48½				
137.16	-48°				

HOLE NO. Mc.84-73 SHEET NO. 1 OF 9
REMARKS: BQ Core
Split for analysis

LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	32.31	OVERBURDEN										
32.31	83.45	BASALT Medium grey to greenish-grey, fine to medium grained massive flows with minor very fine grained to aphanitic phases. A minor amount of fine grained inter-flow sediment is noted associated with flow contacts. The rock tends to become greener and relatively coarser grained with depth. The zone above 70.45 m has been subjected to two stages of fracturing - initial syngenetic shrinkage-type which is welded, silicified and epidotized; and a much later and stronger set of hematized fractures associated with tectonism. Many shear zones and planes of fault gouge are noted - a major fault may be close to the hole. All rocks in this section are non-magnetic. 32.31 - 47.50: very fine grained to aphanitic, highly fractured with minor hematite filling. 47.50 - 49.40: possible DIABASE - fine grained but locally approaching medium grained, ophitic to sub-ophitic textured. No appreciable hematite in fractures - most are well silicified and epidotized. 49.40 - 52.60: very fine grained to aphanitic, pale green, abundant medium grained phases as narrow intrusives up to 50cm sub-parallel to core axis. Abundant hematized fractures in fine grained rock. 52.60 - 55.10: possible flow - medium grained phases are non-ophitic becoming sub-ophitic textured locally. 55.10 - 66.30: medium grained, intensely fractured with abundant hematite on fracture surfaces. Abundant fault gouge on localized slippage planes (eg. 57.90, 58.90, 59.70, 61.35, 64.90 and 66.00 meters).										

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		66.30 - 70.45: essentially same as above, fewer hematized fractures.									
		70.45 - 77.35: fine to medium grained massive flow, carrying 5-10% pale yellow-green silicified xenoliths of sediment. The zone becomes aphanitic below 72.20 meters and is often moderately to strongly silicified particularly where angularly brecciated - shatter-type due to shrinkage.									
		77.35 - 77.45: SEDIMENTS - dark green, fine to very fine grained, generally non-laminated.									
		77.45 - 78.42: flow-top breccia - angular fragments up to 2cm in size, no welding or matrix.									
		78.42 - 79.25: very fine grained, weakly brecciated flow.									
		79.25 - 83.45: flow breccia - rounded to sub-angular fragments up to 5cm in size exhibit reaction rims, welding, and variation in composition.									
83.45	87.78	SEDIMENTS									
		The upper contact is somewhat uncertain - appears to be along a plane of slippage at 20° to the core axis. The rock below has a defineable fabric despite moderate brecciation. The rock in this section is dark green to grey-green, fine to very fine grained. The uppermost zone above 86.80 meters, does not carry sedimentary laminations although brecciation has occurred along a preferred parting. Selected laminations or sets of laminations comprising up to 80% of the rock volume are intensely carbonatized. Below 87.20 m 10% of the carbonatized laminations exhibit moderate to strong silicification. The surrounding rock is non-carbonatized and consequently non-silicified. Minor elevated pyrite is noted in association with this localized silicification - up to 2% very finely disseminated above the 0-1% average. Silicification is denoted by a slightly purple hue to the greyish carbonatization. The section is weakly magnetic locally. Bedding laminations are noted locally: 85° to core axis at 87.15 and 65° at 87.45 m.	6641	0-1	84.10	84.84	0.74			0.01	
			6642	0-1	84.84	85.50	0.66			0.01	
			6643	0-1	85.50	86.29	0.79			0.03	
			6644	0-1	86.29	87.05	0.76			0.01	
			6645	0-1	87.05	87.78	0.73			0.02	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
87.78	144.78	MAIN MINERALIZED ZONE The sediments in this zone are divided into three sub-zones based upon alteration. A central Main Silicified Zone is flanked by Transitionally Silicified Sediments. All members are slightly thicker than average. The central zone averages 2-3% pyrite except for a lower section which averages 10% pyrite. This differs from the usual in that the sericitized pyrite-rich zone is not cyclic or repetitive down the zone but rather is clumped in one basal section. The lower transitional member does not carry as much silicified breccia or pyrite as is usual.									
87.78	89.72	TRANSITIONAL SILICIFIED SEDIMENTS Dark green and very fine grained with abundant (greater than 50%) purple-grey silicified laminations and narrow silicified breccia seams. The degree of silicification is moderate to strong increasing in strength down-hole. Silicification has replaced formerly carbonatized sections as evidenced by some remaining reactiveness to HCl. Dark green, non-silicified rock is non-reactive. Bedding laminations are well preserved above 88.25 m (eg. 50° at 88.15 m), but are obscured below due to rising levels of brecciation. The zone is non-magnetic. The McKenna Fault is indicated by grit and clay filled slippage (fault) planes between 89.52 and 89.72 meters. Pyrite content averages 0-1% as a very fine grained dissemination.	6646 6647 6648	0-1 0-1 0-1	87.78 88.42 89.15	88.42 89.15 89.72	0.64 0.73 0.57			0.01 0.01 tr.	
89.72	112.75	MAIN SILICIFIED ZONE Dark purple-grey, aphanitic becoming very fine grained locally, intensely silicified and moderately to strongly brecciated. Purple hue due to hematization - most noticeable on chloritized partings which streak red. A trace of relic, non-silicified rock is found locally. Pyrite, most abundant in silicified breccia, is present as a fine dissemination, as clots of fine grains up to 1cm and as lensitic bands along relic bedding. Some 1-2mm cubes are also									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		noted. Honey coloured, sericitized rock is confined to a 7.05 meter section at the base of the zone. Some halos of similar colouration flank fractures in purple-grey rock. Some initial reactiveness to HCl is noted but diminishes with depth as the silicification increases.									
		89.72 - 90.90: purple-grey, strongly silicified, moderately to strongly reactive to HCl; 1% pyrite with up to 2% locally in 1cm honey coloured pods. Breccia fragments have a greyish tone due to carbonatization. Matrix is non-reactive. Silicification becomes much stronger at 90.70 meters. Weakly magnetic locally.	6649	1	89.72	90.45	0.73			tr.	
			6650	1	90.45	91.22	0.77			tr.	
			6651	1-2	91.22	91.97	0.75			tr.	
			6652	1-2	91.97	92.65	0.68			tr.	
			6653	1-3	92.65	93.23	0.58			tr.	
			6654	1-2	93.23	93.78	0.55			0.01	
			6655	1-3	93.78	94.54	0.76			0.01	
		90.90 - 93.23: as above - degree of silicification becomes intense, non-reactive to HCl; several 1cm honey coloured silicified breccia seams carry 10-15% pyrite. This alteration also noted within 10cm of underlying zone (heat due to intrusive).	6656	2-4	94.54	95.30	0.76			0.01	
			6657	2-3	95.30	96.03	0.73			0.01	
			6658	2-3	96.03	96.86	0.83			0.01	
			6659	2-3	96.86	97.55	0.69			0.01	
			6660	2-3	97.55	98.29	0.74			0.01	
		93.23 - 93.78: deep reddish-brown to purplish-red, aphanitic, indistinct clasts (feldspars?) up to 1mm. This zone is similar to syenitic rock logged in other holes, except that this zone carries 1-2% finely disseminated pyrite.									
		93.78 - 94.54: purple-grey, intensely silicified breccia - same as 90.90-93.23 meters with many honey coloured seams carrying 10-20% pyrite. A 5cm zone at the upper contact is enriched in pyrite. The rock is weakly to moderately magnetic locally.									
		94.54 - 98.29: essentially same as overlying zone - honey coloured sericite alteration is locally penetrative away from fractures. The rock grades down-hole into a weakly HCl reactive zone composed of 80-90% elongated purple-grey patches up to 5cm set in a very dark grey-green silicified rock. Reactiveness is confined to the purple hued patches which are oriented along original bedding and are probably a diagenetic feature. Pyrite averages 2-4% as a very fine dissemination and as clots up to 1.5cm. Some									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		platelets are found in hematized fractures. The zone is moderately magnetic locally.									
		98.29 -101.50: the amount of free quartz due to silica-dumping increases between breccia fragments. These fragments acquire a pinkish colouration.	6661	2-3	98.29	99.01	0.72			0.02	
			6662	1-3	99.01	99.79	0.78			0.02	
			6663	1-3	99.79	100.58	0.79			0.01	
		101.50-102.17: zone carries several 10-20cm sections where relic bedding is visible through brecciation. Zones of elevated pyrite are locally associated with honey coloured sections. Pyrite increases to 10-15% within 10cm of the basal contact.	6664	1-3	100.58	101.36	0.78			0.01	
			6665	3-4	101.36	102.17	0.81			tr.	
			6666	0-1	102.17	102.79	0.62			tr.	
			6667	4-6	102.79	103.28	0.49			tr.	
			6668	1-2	103.28	104.12	0.84			0.01	
		Bedding: 45-50° to core axis at 101.55 meters	6669	1-2	104.12	104.85	0.73			0.03	
		50-55° to core axis at 102.00 meters	6670	3-4	104.85	105.70	0.85			0.01	
		102.17-102.79: deep burgundy-red to reddish-purple, aphanitic, highly siliceous 'syenitic' zone with an upper contact at 45° to core axis. Contact is blocky and irregular. Stringers emanating from this zone into the surrounding sediments are orange to pink in colour. Brecciation is moderate.									
		102.79-103.02: honey coloured, intensely silicified and probably sericitized with a strong sense of original bedding at 40-50° to the core axis. Brecciation is moderate. Carries up to 15% pyrite locally, averaging 8-10% as a fine dissemination.									
		103.02-103.10: same as 102.17-102.79 meters.									
		103.10-104.12: purple-grey, intensely silicified breccia with diminishing pyrite - 3-4% beocming 1-2% below 103.30 meters.									
		104.12-105.70: alternating 70-80% purple-grey, intensely silicified breccia with 20-30% greenish, weakly to moderately silicified and strongly hematized sections. Pyrite content increases from 1-2% to 3-4% below 104.85 m. The degree of brecciation increases below 105.10 and the rock becomes pinkish hued, then honey coloured locally. Relic bedding is observed locally in the upper part due to lower brecciation - eg. 55° at 104.50 and 45° at 105.05 meters. The rock is weakly to moderately magnetic.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
		105.70-112.75: honey coloured, aphanitic, intensely silicified breccia carrying up to 20% pyrite especially as clots and lenses filling voids along relic laminations. The zone carries 10-15% darker grey rock, also intensely silicified with 8-10% pyrite. Minor white free quartz is noted in voids - silica dumping. Rare chloritized, non-silicified rock is noted between 109.21 and 109.37 meters. Several slickensided fault planes (minor displacement), are noted near this section. In the zone from 110.60 to 111.95 meters, pyrite is often in the form of 2-3mm thick seams parallel to a well developed foliation (original bedding) - 55-60° at 111.10 and 45-50° at 111.85 meters. Lower contact with the underlying unit is unexpectedly abrupt (usually gradational).	6671	10-12	105.70	106.40	0.70			0.02	
			6672	10-12	106.40	107.24	0.84			0.07	
			6673	10	107.24	108.05	0.81			0.06	
			6674	10-12	108.05	108.89	0.84			0.03	
			6675	6-8	108.89	109.54	0.65			0.08	
			6676	10-12	109.54	110.34	0.80			0.04	
			6677	8-10	110.34	110.96	0.62			0.04	
			6678	10	110.96	111.69	0.73			0.04	
			6679	7-9	111.69	112.21	0.52			0.01	
			6680	6-8	112.21	112.75	0.54			0.03	
112.75	144.78	TRANSITIONAL SILICIFIED SEDIMENTS	6681	0-1	112.75	113.54	0.79			0.01	
			6682	0-1	113.54	114.32	0.78			tr.	
		Dark green, fine to very fine grained, chloritized and generally non-silicified and non-brecciated. The unit carries a variable amount of grey to purple-grey silicified breccia. Silicification is largely breccia controlled, noted in seams and beds up to 65cm in thickness. Major examples are found at 115.35-115.56, 116.90-117.30, 118.45-118.60, 119.61-119.73, 121.34-121.79, 122.70-122.77, 123.28-123.33, 127.89-128.49, 131.01-131.65, 132.06-132.22, 133.75-133.93, 134.20-134.47 and 141.34-141.80 meters. Weak to moderate silicification is noted at 116.50 to 116.90 meters. Some silicification has occurred as a replacement to carbonate. Grey to pink carbonatization has altered selected laminations and breccia zones. Most silicified rock is weakly to moderately reactive to HCl. Up to 10% pyrite is noted locally in silicified breccia. Relic bedding laminations are visible locally - highlighted by carbonatization. Carbonate is also in the form of lensitic growths up to 3mm by 1cm oriented parallel to bedding - probably diagenetic (eg. 122.00 m). Narrow biotitic sediment beds are noted at 123.49-123.59, 125.48-125.58 and 126.53-127.03 meters. These beds	6683	0-1	114.32	115.21	0.89			tr.	
			6684	1	115.21	116.05	0.84			tr.	
			6685	1	116.05	116.81	0.76			tr.	
			6686	1	116.81	117.64	0.83			tr.	
			6687	0-1	117.64	118.44	0.80			tr.	
			6688	1	118.44	119.34	0.90			0.06	
			6689	0-1	119.34	120.16	0.82			0.01	
			6690	0-1	120.16	120.97	0.81			0.01	
			6691	1	120.97	121.79	0.82			0.01	
			6692	0-1	121.79	122.63	0.84			tr.	
			6693	0-1	122.63	123.49	0.86			tr.	
			6694	0-1	123.49	124.34	0.85			tr.	
			6695	0-1	124.34	125.24	0.90			tr.	
			6696	0-1	125.24	126.15	0.91			tr.	
			6697	0-1	126.15	126.95	0.80			tr.	
			6698	0-1	126.95	127.89	0.94			tr.	
			6699	1	127.89	128.49	0.60			tr.	
			6700	0-1	128.49	129.41	0.92			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		are weakly to moderately magnetic, are probably tuffaceous and have often been called intrusive. Fining upwards cycles are noted locally - TOPS UP.	6701	0-1	129.41	130.35	0.94			tr.	
			6702	0-1	130.35	131.01	0.66			0.01	
			6703	1-2	131.01	131.65	0.64			0.01	
		Bedding: 55-60° to core axis at 131.80 meters	6704	1	131.65	132.51	0.86			tr.	
		50-55° to core axis at 134.65 meters	6705	0-1	132.51	133.39	0.88			tr.	
		45° to core axis at 136.10 meters	6706	0-1	133.39	134.20	0.81			tr.	
		40-45° to core axis at 139.15 meters	6707	1	134.20	135.10	0.90			tr.	
		112.75-123.33: 15-20% silicified rock.	6708	1	135.10	135.91	0.81			tr.	
		123.33-127.89: 5-10% silicified rock.	6709	0-1	135.91	136.89	0.98			tr.	
		127.89-134.47: 30-35% silicified rock.	6710	0-1	136.89	137.90	1.01			tr.	
		134.47-144.78: 5-10% silicified rock.	6711	0-1	137.90	138.91	1.01			tr.	
			6712	0-1	138.91	139.91	1.00			tr.	
144.78	194.99	SEDIMENTS	6713	0-1	139.91	140.86	0.95			tr.	
			6714	1-2	140.86	141.80	0.94			0.01	
		Dark green and very fine grained with 10-50% white, pale grey, and pink carbonatized laminations, sets of laminations and 1-2cm breccia seams. Carbonate alteration tends to highlight the original bedding. Breccia development is mostly along laminations rather than across. Fracture systems often radiate across the bedding - probably the result of folding or slumping rather than fault movement. Very little silicificaiton of breccia or carbonatized laminations is noted, although a zone of localized silicification is found at 162.90-163.98 meters. It is evidenced by purple-grey colouration, hematization and moderate reactiveness to HCl. The degree of silicification is moderate to strong. A broad zone of silicified breccia is noted at 167.20-171.00 meters. Major beds are noted at 167.20-167.25, 168.10-168.37 and 168.87-169.76 meters (75% silicified). A zone of silicified breccia carrying 2% pyrite is found at 174.38-174.66 meters. Minor sericitization of fragments is noted locally.	6715	0-1	141.80	142.81	1.01			0.01	
			6716	0-1	142.81	143.80	0.99			0.01	
			6717	0-1	143.80	144.78	0.98			0.01	
			6718	0-1	144.78	145.81	1.03			0.01	
			6719	0-1	145.81	146.83	1.02			0.01	
			6720	0-1	146.83	147.85	1.02			tr.	
			6721	0-1	147.85	148.84	0.99			tr.	
			6722	0-1	148.84	149.89	1.05			tr.	
			6723	0-1	149.89	150.90	1.01			tr.	
			6724	0-1	150.90	151.90	1.00			tr.	
			6725	0-1	151.90	152.90	1.00			0.01	
			6726	0-1	152.90	153.90	1.00			tr.	
			6727	0-1	153.90	154.90	1.00			tr.	
			6728	0-1	154.90	155.95	1.05			tr.	
			6729	0-1	155.95	156.90	0.95			tr.	
		193.00-193.65: Tuff - dark greyish-green, and fine grained with 10% pink siliceous clasts up to 2mm - generally well rounded. The upper contact is strongly altered; epidotized and silicified. The lower contact is conformable to the sediments at 45-50° to the core axis. Non-magnetic.	6730	0-1	156.90	157.89	0.99			tr.	
			6731	0-1	157.89	158.90	1.01			tr.	
			6732	0-1	158.90	159.90	1.00			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 8 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		Bedding: (measured with respect to core axis) 50-55° at 150.50 meters 50-55° at 153.20 meters 50-55° at 157.80 meters 45-50° at 160.65 meters 60° at 167.70 meters 45° at 187.05 meters 55-60° at 195.80 meters
194.99	198.87	BASALT Medium to dark green, very fine grained to aphanitic, and weakly sheared near the upper contact giving an appearance of foliated sediment. A number of strongly chloritized seams and associated epidotization are used in diagnosis. The rock reflects massive flow and carries little textural variation. It is non-magnetic and non-silicified. It is weakly to moderately brecciated due to shrinkage.
198.87	205.17	SEDIMENT Dark green, very fine grained, becoming fine grained down-hole - probably indicating TOPS UP. A 1cm zone at the upper contact is intensely silicified resembling a quartz vein. The rock is well foliated - probably reflecting original bedding - 55-60° at 199.12; 40-45° at 200.05 and 55-60° at 205.01 meters.
205.17	219.43	BASALT Dark green, fine grained massive flows with medium grained central phases. Generally non-brecciated even at flow tops. Up to 20cm of sediment associated with flow contacts at 206.90 and 213.25 meters. 205.17-206.90: massive, weakly brecciated flow. 206.90-206.95: interflow sediment - foliated at 55-60° to the core axis, moderately to strongly silicified - 1-3% pyrite.

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
6733	0-1	161.90	162.90	1.00			tr.	
6734	1	162.90	163.98	1.08			tr.	
6735	0-1	163.98	164.90	0.92			tr.	
6736	0-1	167.20	168.10	0.90			tr.	
6737	1	168.10	168.87	0.77			tr.	
6738	1	168.87	169.76	0.89			tr.	
6739	0-1	169.76	170.75	0.99			tr.	
6740	0-1	171.98	172.94	0.96			tr.	
6741	1	174.25	174.81	0.56			tr.	
6742	0-1	176.93	177.97	1.04			tr.	
6743	0-1	179.75	180.80	1.05			tr.	
6744	0-1	184.60	185.69	1.09			tr.	
6745	0-1	188.20	189.19	0.99			tr.	
6746	0-1	191.17	192.40	1.23			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-73 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		206.95-213.20: fine grained, massive flow, becoming medium grained at 211.45-212.55 meters. Non-magnetic.									
		213.20-213.34: Interflow Sediment - highly silicified, well laminated at 50° to the core axis.									
		213.34-219.43: intermixed phases of fine and medium grained massive flow - no apparent single phase of gradational coarsening into centre of flow. A zone from 216.90 to 219.35 meters is dominantly medium grained. Base of hole is slightly finer grained.									
		219.43 meters END OF HOLE									
		CASING PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY: Lost Treasure
HOLE NO.: Mc. 84-74 LENGTH: 154.84 meters
LOCATION:
LATITUDE: 0+00 E DEPARTURE: 0+47 S
ELEVATION: AZIMUTH: 344° DIP: -50°
STARTED: June 29, 1984 FINISHED: July 6, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-50°		137.16	-38°	
27.43	-48°				
56.69	-50°				
91.44	-40½				

HOLE NO. Mc.84-74 SHEET NO. 1 OF 7
REMARKS: BQ Core
Casing could not be pulled.
LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	56.20	OVERBURDEN									
56.20	135.66	MAIN MINERALIZED ZONE Due to unusally deep overburden, the upper zone of 'Transitionally Silicified Sediments' was not intersected. Nor was the upper part of the 'Main Silicified Zone' represented in this hole and it is believed that 5-7 m of the zone are missing. An anomalous amount of red to reddish-brown, siliceous rock is present within the 'Main Silicified Zone'. This rock is often intrusive in appearance in other drill holes. In this hole, it is intensely brecciated and (consequently) carries elevated pyrite contents. Purple-grey intensely silicified sediment breccia carries higher pyrite contents proximal to this rock hence supporting an intrusive interpretation. However, fragments of this reddish rock are also found within brecciated sediment sections making an intrusive origin somewhat suspect. Thin sectioning has been ordered. The Lower 'Transitionally Silicified Sediments' are much thicker than usual, although no single zones of high level silicification exceed 30cm and most are less than 20cm in thickness. Pyrite content throughout the Main Silicified Zone is normal for the lithologies present and the maximum observed is 8-10% as a fine dissemination, as clots up to 1.5cm filling voids in breccia, and as 1-2mm cubes.									
56.20	70.52	MAIN SILICIFIED ZONE Purple-grey, aphanitic and intensely silicified breccia with abundant reddish to reddish-brown highly siliceous intrusives(?) which are aphanitic and similarly brecciated. A few pale green sericitic phases are noted locally which exhibit well									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO Mc. 84-74 SHEET NO. 2 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS .	ASSAYS OZ TON	ASSAYS OZ TON
		developed relic bedding. Pyrite content averages 3% as a fine dissemination. However, proximal to reddish (syenitic?) zones, pyrite content reaches 10% - largely in the form of 1-2cm clots and seams filling voids in the breccia. Some reactiveness to HCl due to carbonatization is noted in purple-grey breccia zones. The overall content of reddish aphanitic rock is much higher than usual even allowing for 5-7 meters of missing upper zone. However, as noted in other holes, this rock does carry significant pyrite when brecciated and up to 8% is noted locally. A mixture of this rock as breccia fragments and 'normal' purple-grey brecciated sediments is often observed. Perhaps intrusion(?) pre-dated brecciation and silicification.									
		56.20 - 57.60: purple-grey, highly silicified breccia, relic laminations locally at 55° to core axis, minor relic carbonate indicated by moderate reactiveness to HCl. Non-magnetic.	6747	1-2	56.20	56.95	0.75			0.07	
			6748	1-3	56.95	58.00	1.05			0.01	
			6749	1-2	58.00	58.72	0.72			0.01	
			6750	2-3	58.72	59.27	0.55			0.01	
		57.60 - 58.00: slight greenish hue to purple-grey rock - degree of silicification is moderate to strong. Abundant ground core with 20cm core lost. Moderately reactive to HCl. Non-magnetic.	6751	1-3	59.27	60.10	0.83			0.01	
			6752	4-6	60.10	60.42	0.32			tr.	
			6753	4-6	60.42	61.31	0.89			tr.	
			6754	2-4	61.31	62.03	0.72			0.04	
		58.00 - 59.27: same as 56.20-57.60 meters.	6755	2-4	62.03	62.80	0.77			0.05	
		59.27 - 60.10: reddish hued, highly siliceous, aphanitic, moderate to strong brecciation.	6756	2-4	62.80	63.56	0.76			0.02	
			6757	4-6	63.56	64.27	0.71			0.01	
		60.10 - 60.42: pale greenish-grey to purple-grey, abundant free quartz in matrix to well developed breccia. Probably moderate to strong sericitization.	6758	8-10	64.27	65.14	0.87			tr.	
			6759	7-9	65.14	65.76	0.62			tr.	
		60.42 - 61.31: similar to 59.27-60.10 - more strongly red coloured, strongly brecciated with 4-6% pyrite.									
		61.31 - 61.91: greenish-grey intensely silicified breccia with minor sedimentary laminations locally. Carries 2-4% pyrite as dissemination and fracture filling.									
		61.91 - 62.03: reddish zone - same as 60.42-61.31 m. Carries up to 50% pyrite as highly localized void filling.									
		62.03 - 65.76: similar to 61.31-61.91 - carries 10-20% reddish fragments throughout. Abundant reddish laminations and angular clasts up to 1cm are supported in a									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-74 SHEET NO. 3 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		greenish silicified matrix. Clasts appear to be same composition as 'syenitic' zone at 60.42-61.31. The matrix is moderately reactive to HCl - carbonatized. Pyrite content increases down-hole - generally confined to matrix surrounding fragments. Some concentrations are noted as 1-2mm seams oriented along relic bedding laminations. Local pyrite concentrations of 10-15% are noted, especially where the percentage of reddish breccia fragments approaches 75% of the rock volume. The lower boundary of this zone is uncertain within 5cm. The section from 63.40-63.58 meters is ground and lost core.									
		65.76 - 66.80: pale greenish-grey, initially brecciated, becoming laminated below 65.95 meters with up to 10% pyrite concentrated along bedding at 65° to core axis. Rock has a 'typical' sericite-green colouration. Some reddish, 1-2mm laminations begin in the lowest 10cm.	6760	3-5	65.76	66.30	0.54			tr.	
			6761	3-5	66.30	66.80	0.50			tr.	
		66.80 - 68.10: same as 60.42-61.31 meters but carries less pyrite. Some 1-2cm clots of massive pyrite fill voids near the lower contact. Reddish breccia has a foliation at 45-50° to core axis.	6762	2-4	66.80	67.65	0.85			tr.	
			6763	5-7	67.65	68.10	0.45			tr.	
		68.10 - 70.52: dark purple-grey, strongly to intensely, silicified breccia. The degree of brecciation is variable - in weaker areas, some relic, vaguely green hued rock is visible (eg. 69.13-69.55 meters).	6764	1-3	68.10	68.95	0.85			tr.	
			6765	1-3	68.95	69.65	0.70			tr.	
			6766	1-3	69.65	70.52	0.87			tr.	
70.52	135.66	TRANSITONAL SILICIFIED SEDIMENTS Dark green to medium grey-green, very fine grained and chloritized. The unit carries abundant purple-grey to pale grey, intensely silicified breccia seams and silicified laminations. Breccia seams in part are controlled by bedding but some cross-cutting relationships are noted. Carbonatization indicated by variable HCl reactiveness, was a precursor to silicification. The purple									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-74 SHEET NO. 4 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	% SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
		colouration is due to hematization. Green rock, although non-silicified, is also moderately to strongly hematized. In general, the degree of silicification is proportional to the degree of brecciation. Breccia fragments are angular and up to 2cm in size. Most silicified breccia seams are 1-3cm in width. No massive beds of intensely silicified breccia are noted. Major zones are found at: 70.70-70.84; 71.50-71.65; 72.21-72.35; 72.97-73.17; 75.62-75.73; 76.70-76.95; 78.93-79.65; 83.48-83.70; 91.88-92.10; 96.75-96.89; 98.05-98.15; 110.91-111.03; 114.30-114.49; 117.17-117.32; 119.72-119.90; 122.75-122.97 (silicified laminations); 124.43-124.58; 128.10-128.24; 130.33-130.43 meters. A trace of weak to moderate magnetism is noted locally in association with hematized fractures and pyrite-rich seams in well silicified breccia.									
		70.52 - 72.76: 80% silicified breccia.	6767	1-3	70.52	71.42	0.90			tr.	
		72.76 - 73.72: 50% silicified breccia.	6768	1-3	71.42	72.25	0.83			tr.	
		73.72 - 74.59: 10-20% silicified breccia - well laminated locally (eg. 35-40° at 74.45 meters).	6769	1-3	72.25	73.17	0.92			tr.	
			6770	1-2	73.17	73.72	0.55			tr.	
		74.59 - 78.03: 40-60% silicified breccia - well laminated locally (50° at 75.70 m). Two narrow biotite-bearing sedimentary beds are found between 75.81 and 75.99 m at 45-50° to the core axis.	6771	1	73.72	74.59	0.87			tr.	
			6772	1-2	74.59	75.39	0.80			tr.	
			6773	1-2	75.39	76.10	0.71			tr.	
			6774	1-2	76.10	76.95	0.85			tr.	
		78.03 - 78.93: 10-15% silicified breccia in beds up to 5cm thick.	6775	1-2	76.95	78.03	1.08			tr.	
		78.93 - 79.65: 90% silicified breccia with abundant reddish debris - up to 10% pyrite locally.	6776	1-2	78.03	78.93	0.90			tr.	
			6777	3-5	78.93	79.65	0.72			tr.	
		79.65 - 80.32: 80-90% dark purple-grey silicified breccia seams up to 10cm thickness.	6778	2-3	79.65	80.32	0.67			tr.	
			6779	1-2	80.32	81.42	1.10			tr.	
		80.32 - 82.50: 50% silicified breccia in seams up to 5cm.	6780	1-2	81.42	82.50	1.08			tr.	
		82.50 - 83.70: 20-30% silicified breccia - one seam of 22cm is 90% silicified.	6781	1-2	82.50	83.10	0.60			tr.	
			6782	1-2	83.10	83.70	0.60			tr.	
		83.70 - 86.23: 10% silicified breccia in seams averaging 2-3cm. Silicification radiates outwards from central fractures. Laminated locally (60-65° to core at 84.08 meters).	6783	1	83.70	84.56	0.86			tr.	
			6784	1	84.56	85.55	0.99			tr.	
			6785	1	85.55	86.23	0.68			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-74 SHEET NO. 5 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		86.23 - 91.19: less than 5% silicified breccia in seams up to 5cm. Many fractures have silicified halos up to 5mm wide. Poorly laminated/foliated locally: 55-60° at 87.63 and 35-40° at 88.15 meters. Several 5-10cm seams of elevated carbonatization are moderately to strongly silicified (eg. 88.15m).
		91.19 - 91.50: medium grey-green, biotitic sediment with 10% pink to red rounded siliceous clasts up to 1mm. Well foliated micas at 50-60° to core axis.
		91.50 - 91.88: same as 86.23-91.19 meters.
		91.88 - 93.21: 50% silicified breccia in seams up to 25cm thickness.
		93.21 - 93.50: same as 91.19-91.50 - strongly foliated at 55-60° to core axis; moderately carbonatized, non-magnetic.
		93.50 - 96.20: very well laminated at 50° to core axis on a very fine (less than 1mm) scale. Up to 5% brecciation as lensitic fissures along bedding planes - result of slippage. Silicified breccia seams up to 1cm have 3-5mm altered halos in non-brecciated rock. Up to 5% pyrite is noted with silicification. Bedding: 45-50° at 96.15 meters.
		96.20 -100.43: 30-50% silicified breccia in seams up to 10cm, rarely larger. It is also difficult to find greater than 10cm of section without silicification. Bedding laminations at 55-60° at 100.30 meters.
		100.43-101.18: 5% silicified rock as halos along fracture systems.
		101.18-103.02: same as 96.20-100.43 meters.
		103.02-106.40: same as 100.43-101.18 meters - several silicified breccia seams up to 2cm - mostly fracture related.
		106.40-110.52: 10-20% silicified breccia associated with carbonatized seams parallel to laminations/ foliations. Bedding: 60-65° at 107.59 meters 60° at 110.50 meters.

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
6786	0-1	86.23	87.18	0.95			tr.	
6787	0-1	87.18	88.28	1.10			tr.	
6788	0-1	88.28	89.25	0.97			tr.	
6789	0-1	89.25	90.26	1.01			tr.	
6790	0-1	90.26	91.19	0.93			tr.	
6791	0-1	91.19	91.88	0.69			tr.	
6792	1	91.88	92.57	0.69			tr.	
6793	1	92.57	93.21	0.64			tr.	
6794	0-1	93.21	93.50	0.29			tr.	
6795	1	93.50	94.47	0.97			tr.	
6796	1	94.47	95.41	0.94			0.01	
6797	1	95.41	96.40	0.99			0.01	
6798	1	96.40	97.39	0.99			0.01	
6799	1	97.39	98.40	1.01			0.01	
6800	1	98.40	99.38	0.98			0.01	
6801	1	99.38	100.43	1.05			0.01	
6802	0-1	100.43	101.18	0.75			0.01	
6803	1-2	101.18	102.13	0.95			0.25	
6804	1	102.13	103.15	1.02			0.03	
6805	1	103.15	104.15	1.00			0.01	
6806	1	104.15	105.15	1.00			0.01	
6807	1	105.15	106.07	0.92			0.01	
6808	1	106.07	106.40	0.33			tr.	
6809	1	106.40	107.39	0.99			tr.	
6810	1	107.39	108.40	1.01			tr.	
6811	1	108.40	109.35	0.95			tr.	
6812	1	109.35	109.94	0.59			tr.	
6813	1	109.94	110.52	0.58			0.09	

* NOTE: 32 cm of core is missing between 103.02 meters and 106.07 meters - unknown where exactly

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-74 SHEET NO. 6 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ. TON	
		110.52-124.58: 20-40% silicified breccia in seams up to 20cm. A shear at 119.65-119.72 meters is noted at 25-30° to core axis.	6814	1	110.52	111.55	1.03			tr.		
		Bedding: 45-50° at 112.20 meters	6815	1	111.55	112.55	1.00			tr.		
		60° at 115.45 meters	6816	1	112.55	113.55	1.00			tr.		
		50-55° at 120.45 meters	6817	1	113.55	114.55	1.00			tr.		
		53° at 122.90 meters	6818	1	114.55	115.55	1.00			tr.		
		124.58-135.66: 5-10% silicified breccia, most as 1-2mm seams along bedding laminations. Several silty, possibly tuffaceous beds are noted locally (eg. 125.84-125.95 meters).	6819	1	115.55	116.60	1.05			tr.		
			6820	1	116.60	117.58	0.98			0.04		
			6821	1	117.58	118.60	1.02			0.01		
			6822	1	118.60	119.65	1.05			0.01		
			6823	1	119.65	120.60	0.95			0.01		
			6824	1	120.60	121.60	1.00			0.01		
		Bedding: 40-45° at 125.95 meters	6825	1	121.60	122.60	1.00			0.01		
		60-65° at 129.90 meters	6826	1	122.60	123.60	1.00			0.01		
		65-70° at 132.85 meters	6827	1	123.60	124.58	0.98			0.01		
			6828	1	124.58	125.56	0.98			0.01		
135.66	140.55	SEDIMENTS	6829	1	125.56	126.60	1.04			0.01		
			6830	1	126.60	127.60	1.00			tr.		
		Dark green, very fine grained with 5% 1-2cm greyish to cream coloured strongly carbonatized breccia seams. Very little bedding laminations - minor preferred parting locally at 60° to core axis. Some slight increase in grain size is possible compared to overlying unit. An average 0-1% pyrite as blebs up to 1mm is noted. The rock is altered by ubiquitous carbonatization of weak to moderate strength. The lower contact is along a contorted altered seam.	6831	1	127.60	128.60	1.00			tr.		
			6832	1	128.60	129.58	0.98			tr.		
			6833	1	129.58	130.57	0.99			0.03		
			6834	1	130.57	131.61	1.04			0.01		
			6835	1	131.61	132.60	0.99			0.01		
			6836	1	132.60	133.59	0.99			0.01		
			6837	1	133.59	134.59	1.00			tr.		
			6838	0-1	134.59	135.66	1.07			tr.		
140.55	142.59	BASALT	6839	0-1	135.66	136.55	0.89			tr.		
			6840	0-1	136.55	137.60	1.05			tr.		
		Dark green, fine grained, massive and generally featureless flow. The upper contact is poorly defined. Lower contact is against a strongly chloritized and laminated zone.	6841	0-1	137.60	138.59	0.99			tr.		
			6842	0-1	138.59	139.60	1.01			tr.		
			6843	0-1	139.60	140.65	1.05			tr.		
			6844	0-1	140.65	141.64	0.99			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY: Lost Treasure

HOLE NO. Mc. 84-74 SHEET NO. 7 OF 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
142.59	152.09	SEDIMENTS									
		Dark green, fine to very fine grained interflow sediments - probably tuffaceous. The upper contact is well altered over 5-7cm with moderate to strong carbonatization and silicification. Alteration is selective along bedding laminations. Bedding is well developed above 143.65 meters at 50-55° to core axis. Minor amounts of brecciation along individual sets of laminations - slippage? A number of gritty fault planes with minor displacement are noted between 145.10 and 145.20 meters at 50-55° to core axis - parallel to bedding.	6845	1	142.59	143.65	1.06			tr.	
			6846	0-1	143.65	144.64	0.99			tr.	
			6847	0-1	144.64	145.69	1.05			tr.	
			6848	0-1	145.69	146.69	1.00			tr.	
			6849	0-1	146.69	147.66	0.97			tr.	
			6850	0-1	147.66	148.65	0.99			tr.	
			6851	0-1	148.65	149.09	0.44			tr.	
			6852	0-1	149.09	149.74	0.65			tr.	
			6853	0-1	149.74	150.74	1.00			tr.	
		149.09-150.77: dark green, fine grained with distinct clasts visible. Weakly to strongly foliated at 50-55° to core axis. Carries 5-10% reddish-pink, rounded and occasionally elongated clasts up to 2cm (average 2-4mm). Some darker green, 1-2mm possibly micaceous clasts are also noted.									
152.09	154.84	BASALT									
		Dark green, fine to very fine grained with silicified flow top breccia at 152.35 meters in narrow seams. A narrow seam resembling hyaloclastite is noted at 152.43 meters. The rock below 154.42 m is probably brecciated, carbonatized and weakly silicified interflow sediments.									
		154.84 meters END OF HOLE									
		CASING COULD NOT BE PULLED									

DIAMOND DRILL RECORD

NAME OF PROPERTY: Lost Treasure
HOLE NO.: Mc. 84-75 LENGTH: 209.70 meters
LOCATION:
LATITUDE: 1+00 W DEPARTURE: 0+65 S
ELEVATION: AZIMUTH: 344° DIP: -60°
STARTED: July 6, 1984 FINISHED: July 12, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-60°		182.27	-51½	
45.72	-55½				
91.44	-54½				
137.16	-53°				

HOLE NO. Mc.84-75 SHEET NO. 1 OF 9
REMARKS: BQ Core
LOGGED BY: A.W. Workman

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	33.77	OVERBURDEN									
33.77	82.63	BASALT Medium to dark grey-green, fine to medium grained massive flow. Flow contacts are frequently marked by narrow beds of interflow sediments. The lowest flow(s) is flow brecciated. The lavas are non-magnetic, weakly chloritized and non-carbonatized. Margins of flows may be silicified and epidotized locally. 33.77 - 50.20: fine to medium grained flow, becoming medium grained at 34.48-41.45 and 45.05-46.50 meters. 50.20 - 50.43: very fine grained to aphanitic. 50.43: flow contact at 40-45° to core axis. 50.43 - 50.65: highly angular flow-top breccia with very tight fragments up to 1cm. 50.65 - 50.80: fine to very fine grained. 50.80 - 51.50: fine grained, weakly fractured. 51.50 - 58.20: fine to medium grained. 58.20 - 59.00: fine to very fine grained. 59.00 - 59.15: aphanitic. 59.15 - 59.22: sediments - well laminated at 55° to core axis. 59.22 - 64.90: fine grained flow - little structuring or zonation. Zone below 63.35 meters carries 5-10% epidotized pink xenoliths up to 1.5cm in size. Base of flow below 64.40 is very fine grained to aphanitic. 64.90: flow contact at 60-65° to core axis. 64.90 - 67.70: angular flow top breccia.									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 2 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		67.70 - 74.00: very fine grained with moderate shrinkage-type fracturing. Tuffaceous beds at 71.06-71.17 and 71.53-71.57 meters cut core axis at 60-65°. The section below 71.17 meters carries xenoliths similar to the section below 63.35 meters. 74.00 - 74.50: highly silicified and epidotized flow margin with moderately developed brecciation. 74.50 - 76.10: variably silicified flow-top breccia with fragments up to 3cm - no welding observed - some reaction rims with depth. 76.10 - 80.60: flow breccia, reaction rimmed fragments up to 10cm. 80.60: irregular flow contact at 55°. 80.60 - 81.30: variably brecciated and silicified - aphanitic flow top zone. 81.30 - 81.34: strongly vesicular (or variolitic?) zone. 81.34 - 82.63: mixed angular breccia and flow breccia with reaction rims.									
82.63	83.10	SEDIMENTS Dark green, fine to very fine grained with rapidly increasing levels of carbonatization indicated by grey to pinkish-grey tone. Alteration is as a selective replacement of certain laminations, often swelling into sections up to 1cm thickness. Bedding laminations are not well demonstrated. Pyrite content averages 0-1%. Some sulphide is concentrated in altered rock.	6854	0-1	82.70	83.10	0.40			tr.	
83.10	172.63	MAIN MINERALIZED ZONE This zone begins much higher in the stratigraphic section than normal. This is in part a result of the upper transition zone being much thicker than normal. The main silicified zone is much narrower than normal but does carry some significant pyrite contents in possibly sericitized rock. The main zone of silicification is not diminished to the benefit of the overlying transition zone - evidenced by the normal position of the McKenna Fault. The lower									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 3 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		transition zone is much wider than normal although it does not carry sub-sections of well developed silicified and brecciated beds (ie. greater than 50cm).									
83.10	91.28	TRANSITONAL SILICIFIED SEDIMENTS									
		Dark green, fine to very fine grained with abundant pale grey to purple-grey zones of alteration. Carbonatization initially affects only selected laminations and sets of laminations. Subsequent silicification has penetrated these seams. The high level of alteration serves to highlight the bedding laminations. the degree and percentage of silicification increases markedly in response to increasing carbonatization - particularly below 86.92 meters. A minor amount of honey coloured alteration (sericite) is noted in brecciated seams - carrying 3-5% pyrite. Overall sulphide content averages 1% as a very fine dissemination and as 1mm blebs. The McKenna Fault is located at 91.14 meters and is represented by a 1cm clay and grit filled seam at 55° to core axis. The underlying section from 91.14 to 91.28 meters carries 50-60% silicified clasts and breccia fragments set in a green chloritized clastic matrix. The lower contact of the zone is along a planar fracture or cleavage at 57° to the core axis - very sharp, no slickensides.	6855	1	83.10	84.09	0.99			0.06	
			6856	1	84.09	85.10	1.01			0.01	
			6857	1	85.10	85.92	0.82			0.09	
			6858	1	85.92	86.81	0.89			0.05	
			6859	1	86.81	87.73	0.92			0.03	
			6860	1	87.73	88.76	1.03			0.01	
			6861	1	88.76	89.58	0.82			0.01	
			6862	1	89.58	90.50	0.92			tr.	
			6863	1	90.50	91.28	0.78			tr.	
		86.81 - 87.15: very well laminated - alternating dark green chloritized and grey to purple-grey altered laminations at 60° to core axis (eg. 86.95 m).									
91.28	96.76	MAIN SILICIFIED ZONE									
		Grey to purple-grey, aphanitic, strongly to intensely silicified breccia with relatively minor (less than 5%) dark green, chloritized rock. Minor honey to pink coloured alteration is noted locally. some quartz is found in voids locally as result of silica dumping. Silicification has been largely confined to strongly brecciated rock. In places, the origin rock may have been a silicfiied tuff prior to brecciation and subsequent silicification. Pyrite content averages 3-4% with the largest percentage as a very fine									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 4 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		dissemination. In areas of 5-10% pyrite, clots are found (in voids), up to 2cm in size. Silicified rock is magnetic locally and weak reactiveness to HCl is noted throughout - often moderate in strength as a result of carbonatization.									
		91.28 - 91.48: purple-grey, intensely silicified breccia with fragments up to 1mm in size. Some fragments which appear to be tuffaceous clasts can be reassembled into larger clasts up to several mm in size. Several cm scale patches of honey coloured alteration with up to 5% pyrite are noted.	6864	1-2	91.28	91.67	0.39			tr.	
		91.48 - 91.67: seams of purple-grey silicified breccia are separated by 1cm bands of green chloritized rock - possibly later shears(?). These are parallel to bedding in overlying zone of transitional silicified rocks.									
		91.67 - 92.25: purple-grey - a mixture of previously micro-brecciated (less than 0.5mm), silicified breccia clasts up to 8mm in size. Most are angular and honey coloured or pinkish with few purple-grey varieties. These are supported in a purple-grey, very fine grained silicified groundmass. Matrix but not fragments is reactive to HCl and is hematized. Clasts often carry up to 5% pyrite. This is a re-deposited silicified sediment. Fragments demonstrate a weak foliation locally where the matrix is chloritic. The amount of relic chloritized rock increases with depth as also does the number of pinkish fragments or clasts.	6865	2-3	91.67	92.25	0.58			tr.	
		92.25 - 92.88: greyish-pink, highly silicified and moderately to strongly brecciated. Abundant quartz dumped in voids. Rock carries 5-7% pyrite as a very fine dissemination and as a void filling (up to 3mmx1cm). Pyrite content is highest below 92.60 meters at 10-15%.	6866	10	92.25	92.88	0.63			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 5 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		92.88 - 93.09: dark purple-grey silicified breccia with 3-5% pyrite.	6867	5-7	92.88	93.36	0.48			tr.	
			6868	3-5	93.36	94.05	0.69			tr.	
		93.09 - 93.36: same as 92.25-92.88 meters with 7-9% pyrite.	6869	3-5	94.05	94.86	0.81			tr.	
		93.36 - 95.38: dark purple-grey silicified breccia with minor vague honey colouration below 95.06 meters. Carries 3-5% pyrite as a very fine dissemination, as 1mm cubes and as 0.5-1.5cm seams in breccia matrix. Up to 10% pyrite is noted locally. Carries many cross-cutting 1mm quartz stringers.	6870	3-5	94.86	95.38	0.52			tr.	
			6871	4-6	95.38	96.20	0.82			0.05	
			6872	2-4	96.20	96.76	0.56			tr.	
		95.38 - 96.20: honey coloured to pale purple-grey, silicified breccia clasts cut by a network of later chloritized fractures.									
		96.20 - 96.76: 80% pale purple-grey, occasionally honey or pale pink hued, silicified breccia with 20% dark green, chloritized and moderately hematized rock. Carries up to 5% pyrite in silicified rock; 0-1% in chloritized rock.									
		96.76: lower contact is against a chloritized tuffaceous bed - no slickensides although change is very sharp.									
96.76	172.63	TRANSITIONAL SILICIFIED SEDIMENTS									
		Dark green, fine to very fine grained, chloritized sediments with abundant (10-20%), silicified breccia seams up to 40cm thickness but averaging 10-20cm thickness. The degree of silicification is not of maximum strength and broader zones tend to be broken by chloritized seams. Few sections on a meter scale are greater than 50% silicified. Silicification is mostly controlled by carbonatized breccia seams and beds although some selective alteration of individual laminations is noted. Silicified breccia is similar in purple-grey colouration to the main silicified zone. Likewise, an increase in pyrite content is noted in silicified rock, most of which is reactive to HCl. Bedding laminations are variably developed and are best observed when silicified or carbonatized. Major beds of silicified breccia are found at: 100.30-100.37;									

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 6 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		107.99-108.14; 110.10-110.28; 111.47-111.64; 111.71-111.80; 116.12-116.35; 120.40-120.73; 143.20-143.38; 114.40-114.50 and 145.79-146.20 meters.										
		96.76 -101.09: 5-10% silicified breccia and silicified laminations. Relic bedding laminations at 45° to core axis at 98.50 meters. A narrow grit and clay filled fault plane is noted at 75° to core axis at 101.09 m. 98.91-99.06: reddish-brown, aphanitic (syenite?) zone with fragments of this found in overlying sediments up to 98.76 meters. May be an intensely hematized and silicified zone. Lower contact is best developed at 50-55° to core axis. Upper contact is irregular (erosion?). A similar but intensely brecciated zone is at 99.88-99.96 m.	6873	1-3	96.76	97.50	0.74			tr.		
			6874	1	97.50	98.34	0.84			tr.		
			6875	0-1	98.34	99.30	0.96			tr.		
			6876	0-1	99.30	100.22	0.92			tr.		
			6877	1	100.22	101.09	0.87			tr.		
			6878	1	101.09	101.98	0.89			tr.		
			6879	0-1	101.98	102.83	0.85			tr.		
			6880	0-1	102.83	104.00	1.17			tr.		
			6881	1	104.00	105.00	1.00			0.01		
			6882	0-1	105.00	106.00	1.00			0.01		
			6883	0-1	106.00	106.52	0.52			0.01		
		101.09-102.83: 50-60% silicified breccia.	6884	0-1	106.52	107.04	0.52			0.01		
		102.83-106.52: 20-30% silicified breccia - reddish 'syenitic?' zone at 103.62-103.77 meters. Fragments of this reddish rock are found in overlying and underlying sediments. A second zone is noted at 106.35 to 106.43 meters.	6885	0-1	107.04	107.99	0.95			0.01		
			6886	0-1	107.99	108.95	0.96			0.01		
			6887	0-1	108.95	109.97	1.02			0.01		
			6888	0-1	109.97	110.95	0.98			0.01		
			6889	1	110.95	111.95	1.00			0.01		
		106.52-107.04: DIORITE - dark green, fine grained, well developed chills. Sediments are brecciated near the contacts.	6890	0-1	111.95	112.94	0.99			0.01		
			6891	0-1	112.94	113.77	0.83			tr.		
			6892	0-1	113.77	114.45	0.68			tr.		
		107.04-110.10: same as 102.83-106.52 meters. A narrow very pale green intrusive is noted at 108.20-108.27 meters - carries 30% hornblendes up to 1mm as phenocrysts in an aphanitic, siliceous matrix.	6893	0-1	114.45	115.48	1.03			tr.		
			6894	1	1154.8	116.55	1.07			tr.		
			6895	0-1	116.55	117.53	0.98			tr.		
			6896	0-1	117.53	118.57	1.04			tr.		
		110.10-113.77: 40-50% silicified breccia.	6897	0-1	118.57	119.51	0.94			tr.		
		113.77-114.30: dark green, fine grained sediments carrying 1-3% reddish-brown siliceous clasts.	6898	0-1	119.51	120.41	0.90			tr.		
			6899	2-3	120.41	120.73	0.32			tr.		
		114.30-114.32: very fine grained, green chloritized seam.	6900	0-1	120.73	121.11	0.38			tr.		
		114.32-114.45: same as 98.91-99.06 meters - syenite??	6901	0-1	121.11	121.70	0.59			tr.		
		114.45-115.48: dark green with 10-20% purple-grey to pink silicified breccia seams.	6902	0-1	121.70	122.67	0.97			tr.		
			6903	0-1	122.67	123.69	1.02			tr.		
		115.48-116.94: 40-50% silicified breccia.	6904	0-1	123.69	124.67	0.98			tr.		

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 7 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		116.94-121.11: 10-20% silicified breccia. Bedding laminations visible locally as a relic structure - eg. 118.52 to 118.66 meters (40-45° to core); and, at 121.08 m (60-65° to core axis).	6905	0-1	124.67	125.65	0.98			tr.	
			6906	0-1	125.65	126.85	1.20			tr.	
			6907	0-1	126.85	127.85	1.00			tr.	
			6908	0-1	127.85	128.85	1.00			tr.	
		121.11-121.63: pale green colour - no silicified breccia or carbonatized laminations.	6909	0-1	128.85	129.85	1.00			tr.	
			6910	0-1	129.85	130.85	1.00			tr.	
		121.63-121.70: pale grey-green micaceous (biotitic?) sedimentary bed at 40° to core axis.	6911	0-1	130.85	131.88	1.03			0.01	
			6912	0-1	131.88	132.88	1.00			0.01	
		121.70-130.27: 5-10% silicified breccia.	6913	0-1	132.88	133.86	0.98			0.01	
		130.27-130.55: increasing degree of carbonatization with nearly massive pink 10cm carbonate beds locally. Bedding laminations at 30-35° to core axis.	6914	0-1	133.86	134.86	1.00			0.01	
			6915	0-1	134.86	135.86	1.00			0.01	
			6916	0-1	135.86	136.60	0.74			0.01	
		130.55-136.63: 20-40% purple-grey silicified breccia.	6917	0-1	136.60	137.60	1.00			tr.	
		136.63-137.05: 40-50% silicified breccia and halos of silicification surrounding fractures in seams up to 1cm thickness.	6918	0-1	137.60	138.60	1.00			tr.	
			6919	2-3	138.60	139.26	0.66			tr.	
			6920	0-1	139.26	140.26	1.00			tr.	
		137.05-143.20: 10-20% silicified breccia in seams up to 5cm thickness.	6921	0-1	140.26	141.25	0.99			tr.	
			6922	0-1	141.25	142.25	1.00			tr.	
		143.20-143.81: 50-60% silicified breccia with some laminations completely carbonatized prior to silicification. Carries up to 3% pyrite. Bedding at 40-45° to core axis.	6923	0-1	142.25	143.20	0.95			tr.	
			6924	2-3	143.20	143.81	0.61			tr.	
			6925	0-1	143.81	144.80	0.99			tr.	
			6926	0-1	144.80	145.79	0.99			tr.	
		143.81-145.79: 5-10% silicified breccia.	6927	1-2	145.79	146.20	0.41			0.04	
		145.79-146.20: 80-90% silicified breccia with 1-2% very finely disseminated pyrite.	6928	0-1	146.20	147.00	0.80			0.01	
			6929	1	147.00	147.98	0.98			0.01	
		146.20-149.35: 10% silicified breccia in seams up to 5cm.	6930	0-1	147.98	148.74	0.76			0.01	
		149.35-150.02: 70-80% pinkish hued silicified breccia with up to 3% pyrite locally.	6931	0-1	148.74	149.35	0.61			0.01	
			6932	1-3	149.35	150.02	0.67			0.01	
		150.02-172.63: same as 146.20-149.35 meters - a small increase in brecciation at 161.55-161.80 meters.	6933	0-1	150.02	151.90	0.88			0.01	
			6934	0-1	150.90	151.90	1.00			0.01	
		Relic Bedding: 45-50° at 155.20 meters	6935	0-1	151.90	152.90	1.00			0.01	
		40° at 168.70 meters	6936	0-1	152.90	153.95	1.05			tr.	
		70° at 172.55 meters	6937	0-1	153.95	154.95	1.00			tr.	
		A reference sample was taken at 168.66-168.77 meters	6938	0-1	154.95	156.01	1.06			tr.	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 8 OF 9

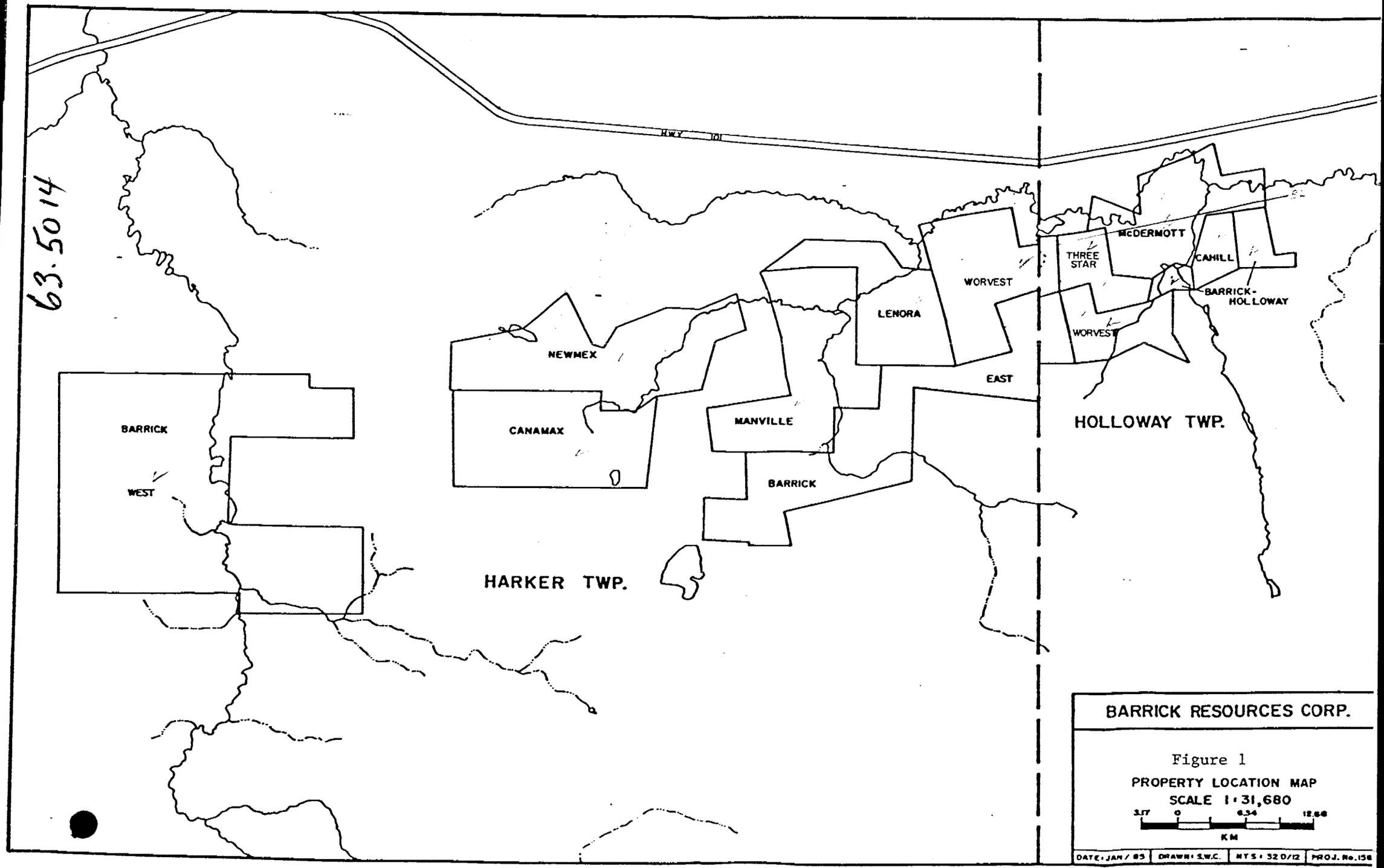
FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON
172.63	199.17	SEDIMENTS Dark green, fine to very fine grained with very little intense carbonatization and subsequent silicification of breccia or lamination sets. The degree of general carbonatization is moderate. Bedding laminations are not well exhibited. 172.63-174.48: minor ground core at upper contact - possibly 5-10cm lost. Carries 5% pinkish-red siliceous clasts (tuff?) up to 1mm. 174.48-175.33: very dark charcoal grey - slight purplish hue - very fine grained. 175.33-175.60: similar to above, slight greenish hue - strongly silicified. 175.60-179.22: very dark green, fine grained, occasional (5-10%) greyish silicified breccia seams up to 5cm. 179.22-179.71: ground core - 75% recovery - vuggy, variably silicified zone containing up to 5% pyrite - averaging 2-3% as a fine dissemination. 179.71-199.17: generally massive but very weakly developed bedding laminations are observed locally - parting is moderately well developed - probably reflecting original bedding. Laminations at 50° to core axis at 194.40 meters. A 10cm zone at the base of the section is well laminated at 60-70° to the axis.	6939	0-1	156.01	157.00	0.99			tr.	
			6940	1	157.00	157.75	0.75			tr.	
			6941	0-1	157.75	158.68	0.93			tr.	
			6942	0-1	158.68	159.75	1.07			tr.	
			6943	0-1	159.75	160.75	1.00			tr.	
			6944	1	160.75	161.80	1.05			tr.	
			6945	0-1	161.80	162.72	0.92			0.02	
			6946	0-1	162.72	163.80	1.08			0.01	
			6947	0-1	163.80	164.80	1.00			0.02	
			6948	0-1	164.80	165.82	1.02			0.01	
			6949	0-1	165.82	166.86	1.04			0.01	
			6950	0-1	166.86	167.85	0.99			0.01	
			6951	0-1	167.85	168.66	0.81			0.02	
			6952	0-1	168.77	169.75	0.98			0.02	
			6953	0-1	169.75	170.70	0.95			tr.	
			6954	0-1	170.70	171.79	1.09			tr.	
			6955	0-1	171.79	172.63	0.84			tr.	
			6956	0-1	172.63	173.51	0.88			tr.	
			6957	0-1	173.51	174.48	0.97			tr.	
			6958	0-1	174.48	175.33	0.85			0.05	
			6959	0-1	175.33	175.60	0.27			0.01	
			6960	0-1	175.60	176.68	1.08			0.01	
			6961	0-1	176.68	177.55	0.87			0.01	
			6962	0-1	177.55	178.37	0.82			0.01	
			6963	0-1	178.37	179.22	0.85			tr.	
			6964	2-3	179.22	179.71	0.49			0.03	
			6965	0-1	179.71	180.75	1.04			tr.	
			6966	0-1	180.75	181.75	1.00			tr.	
			6967	0-1	181.75	182.75	1.00			tr.	
			6968	0-1	182.75	183.78	1.03			0.01	
			6969	0-1	183.78	184.78	1.00			0.01	
			6970	0-1	184.78	185.84	1.06			0.02	
			6971	0-1	185.84	186.85	1.01			0.03	
			6972	0-1	186.85	187.84	0.99			0.02	
			6973	0-1	187.84	188.90	1.03			0.01	
			6974	0-1	188.90	189.85	0.95			0.01	

DIAMOND DRILL RECORD

NAME OF PROPERTY Lost Treasure

HOLE NO. Mc. 84-75 SHEET NO. 9 OF 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Sediments Continued:	6975	0-1	189.85	190.91	1.06			0.01	
			6976	0-1	190.91	191.90	0.99			tr.	
			6977	0-1	191.90	192.90	1.00			tr.	
			6978	0-1	192.90	193.88	0.98			tr.	
			6979	0-1	193.88	194.88	1.00			tr.	
			6980	0-1	194.88	195.90	1.02			0.01	
			6981	0-1	195.90	196.95	1.05			0.08	
			6982	0-1	196.95	198.00	1.05			0.01	
			6983	0-1	198.00	199.17	1.17			0.01	
199.17	209.70	BASALT									
		Dark green, fine grained massive flow. Weakly fractured with red hematite coatings locally. Lava below a small section of interflow sediments may be pillowed. Non-magnetic rocks throughout.									
		199.17-204.00: fine grained massive flow.									
		204.00-205.00: very fine grained to aphanitic.									
		205.00-206.97: sediments - interflow tuffs(?) - well laminated at 60° to core axis.									
		206.97-209.70: very fine grained possibly pillowed flow top - selvages at 207.30-207.40 meters; massive below.									
		209.70 meters END OF HOLE									
		CASING PULLED									


63.5014
HWY 101
McDERMOTT
THREE STAR
CAHILL
BARRICK-HOLLOWAY
WORVEST
LENORA
WORVEST
NEWMEX
EAST
BARRICK
CANAMAX
MANVILLE
HOLLOWAY TWP.
BARRICK
WEST
HARKER TWP.
BARRICK RESOURCES CORP.
Figure 1
PROPERTY LOCATION MAP
SCALE 1:31,680
3.17 0 6.34 12.68
KM
DATE: JAN/85 | DRAWN: S.W.C. | NTS: 32D/12 | PROJ. No. 158

HARKER TOWNSHIP
HOLLOWAY TOWNSHIP

L. 11614
L. 11548
L. 12314
L. 11312
L. 11244
L. 11009
L. 11010
L. 11012
L. 11011
L. 11417
L. 11418
L. 11479
L. 11535
L. 13137
L. 802768
L. 616488
L. 11087
L. 801063

11383
11382
11381

McDERMOTT
HENNESSY
BARRICK
CAHILL
LOST TREASURE
LENORA

12+50E
15+00E
17+50E
20+00E
5+00E
7+50E
10+00E
2+50N
5+00N
7+50N
10+00N

LEGEND

SILICIFIED	SHEAR	V7	BASALT
BRECCIATED	BEDDING	V6	ANDESITE
FLOW BRECCIA	JOINT	S	SEDIMENTS
PILLOWED	SLICKENSIDES	Jd	DIABASE
cb CARBONATIZED	DISPLACEMENT	ℒ	LAMPROPHYRE
Hem. HEMATIZED	STRIRE	IP	PYROXENITE
Mag. MAGNETIC		IS	SYENITE
var. VARIOLITIC			

- D.D.H. LOCATION - 1983
- DRAINAGE
- SWAMP
- SHAFT
- TRENCH
- ROAD-TRAIL

Contacts: assumed, approx., defined

Faults

OM83-6-C-307 63.5014

CAMFLO MINES LTD.

McDERMOTT PROJECT
HARKER & HOLLOWAY TWPS. ONT.
SURFACE GEOLOGY
Scale 1:2500
50 0 50 100 150
Metres

DATE: SEPT '83 | DRAWN BY: MORYMAW | GTS. NO. 32 D/12 | PROJ NO. P-135

[redacted]

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