

OMNI RESOURCES INC.

TRUMPETER YUKON GOLD INC.

ARKONA RESOURCES INC.

093685

GODDELL PROJECT

Wheaton River Area, Yukon Territory, Canada

N.T.S. 105D/3

Minfile # 105D-025

POP 67 CLAIM

WHITEHORSE MINING DISTRICT

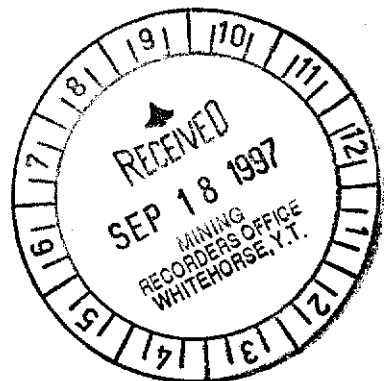
Assessment Report:

October 1996- April 1997 UNDERGROUND DIAMOND DRILLING PROJECT

Diamond Drill Holes G96-28 to G97-56

To be applied for renewal of POP, MOM, BERG, DG, KER, STEN, MIL, TECH and MB claims,
filed on 18 SEPTEMBER, 1997

Prepared by:
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Chief Geologist



William D. Mann

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Goddell Project
1996-1997 Underground Diamond Drilling Project
Assessment Report Summary

The Goddell project (Minfile 105D-025) is located on the northwest slope of Carbon Hill in the Wheaton River area of southwest Yukon. The property is accessible by all-weather road from Whitehorse, a distance of about 75 kilometres.

Project History

Quartz-stibnite veins were discovered in the area now covered by the Goddell Project in 1893. A short adit was driven on the vein by Charles Goddell in 1906. Minor exploration was conducted in the area by Prospectors Airways in 1958, Yukon Antimony Corp. in 1965, and ConAm Resources in 1976. From 1984 to 1990 exploration work consisted of staking, prospecting, geological mapping, geophysical and geochemical surveying, road building, trenching and helicopter-supported diamond drilling. A large, deep gold zone was discovered in 1988 after drilling below weaker gold mineralization near surface.

The property was dormant from 1990 to 1994. A road-accessed diamond drill program was conducted in 1995, and confirmed the presence of a significant resource. The long holes required to reach the zone (over 600 metres) were considered to be inappropriate for properly delineating the zone, due to hole deviation and low angles between the structures and the holes.

Current Work

A 630 metre ramp was driven into the mountain from August to December, 1996 to provide a suitable drill platform. The ramp is collared at 1015m elevation, and declines at -15% subparallel to the ore structure.

Underground diamond drilling commenced in October, 1996, and 6946m of NQ core was drilled in 29 holes (hole numbers 96-28 to 97-56). Drilling was suspended in April, 1997 to allow extension of the ramp 180m further to the east. All holes were angled down and to the south to intersect the Zone of interest, which is concentrated to elevations below about 850m. The core was logged on site, and mineralized samples split in half.

Analysis for gold and silver was conducted by Acme Analytical Laboratories of Vancouver. The drill core is stored in racks at the camp near the old Mt. Skukum Mill. The ramp extension was completed in June 1997, and further underground drilling totalling 2268m in 11 holes was completed by September.

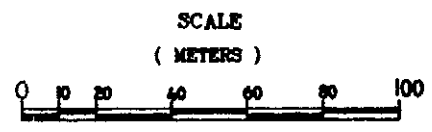
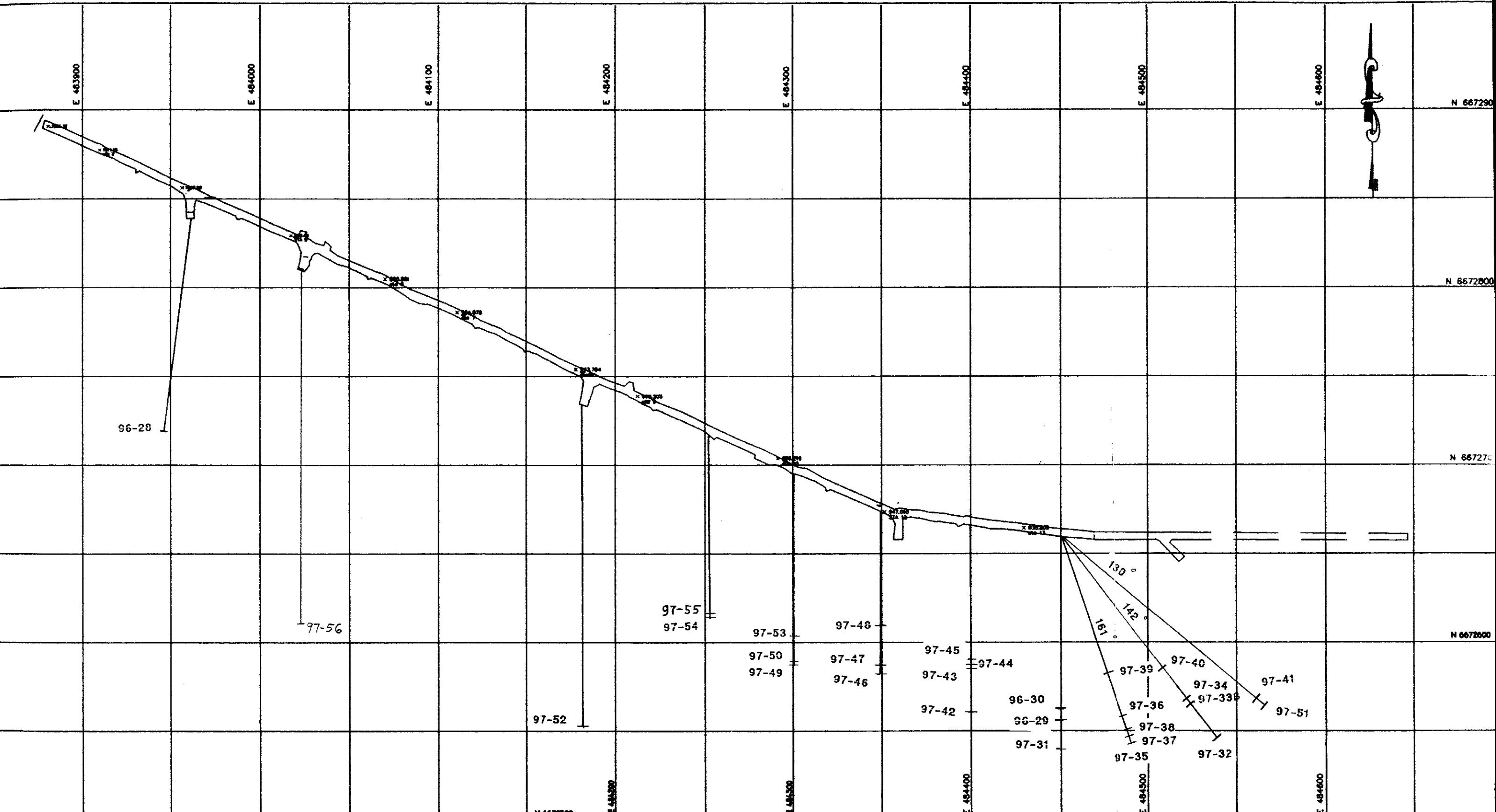
Geology

A strong ductile-brittle, vertical shear structure cuts east-west across Carbon Hill for several kilometres, and is a major control of mineralization. The sheared, altered zone averages about 60 metres wide. Cataclastic shearing is locally common, and is black in colour where significant concentrations of pyrite were present prior to shearing. The country rock near the deposit is the Carbon Hill Granite, although it is called a quartz monzonite in the field. This rock is generally altered in the exploration area, with strong phyllic alteration near the gold zone, grading to more propylitic alteration. The phyllic alteration is characterized by sericite with local quartz, carbonate and pyrite. The propylitic rock is characterized by minor chlorite, hematite, magnetite and carbonate.

The Goddell Shear is a dilatant structure, and is commonly occupied by felsic and intermediate dykes. There are at least three phases of felsic dyke present. Two dykes are very consistent near the gold zone, and are called the North and South Marker dykes because of their relative positions within the shear structure. The North dyke is a Quartz-Feldspar Porphyry with abundant quartz eyes, and a distinctive texture characterized by irregular green blobs of QFP in a pale QFP matrix. The South Marker dyke is a Feldspar Porphyry with rare quartz eyes. A third dyke is less continuous, and commonly found between the North and South dykes. It is a quartz-feldspar porphyry, commonly pyritic with local flow-banding.

Intermediate dykes are common on Carbon Hill, and are variably altered. Weakly altered dykes are dark grey-green and magnetic. Bleaching is common near the shear zone, with sericite-carbonate alteration and minor fuchsite(?). Within the gold zone these dykes are preferentially mineralized, possibly due to their high iron content relative to the host granite. Intermediate dykes are rarely greater than two metres wide and occur in irregular swarms.

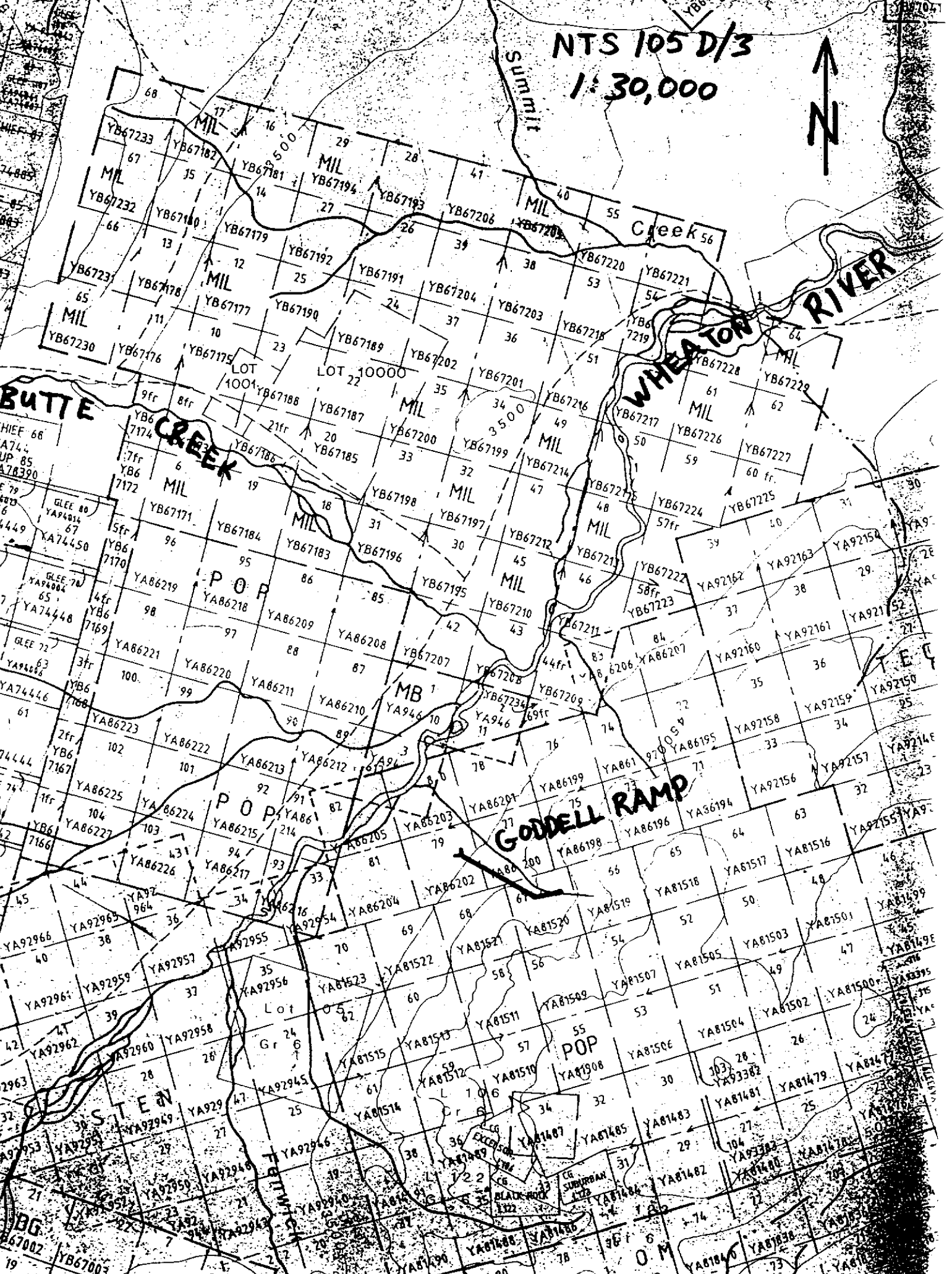
Mineralization consists mainly of fine-grained disseminated sulphides, with minor veining. Pyrite is dominant, with lesser arsenopyrite and minor sphalerite and stibnite. Rare white quartz-stibnite veins with accessory sphalerite and arsenopyrite haloes are high grade. These quartz veins tend to be less than 5cm wide, and approximately flat-lying within the granite. In the intermediate dykes the veins are irregular in orientation. The mineralized zone is steeply dipping, and trends east-west. The zone is very wide (up to 29m) at about 800m elevation, but terminates abruptly at about 850m. The zone thins at depth and to the west, but is open and very strong to the east. Gold is irregularly distributed within the mineralized lode, with barren intervals common between high grade zones. Gold grade is correlated with sulphide content, with ore grade intervals generally containing 3 to 6% sulphides (pyrite + arsenopyrite +/- stibnite, sphalerite). Silver content is usually less than gold content, and is not of economic importance.



NTS 105D-03	SCALE:	1:2000	Trumpeter Yukon Gold, Omni Resources, Arkona Resources
	DATE:	SEPT. 97	FILE
	DRAWN:	W.D.M.	GODDELL RAMP
	CHECKED:		
	APPROVED:		DRAWING NUMBER GOD-20-002

093685 DWG 1

NTS 105 D/3
1:30,000



STATEMENT OF COSTS

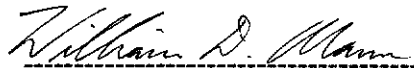
Appendix 3 contains invoices totalling **\$525,907.26**, which is more than enough to cover the assessment applied in this report. The expenditures were incurred between October 8, 1996 and April 23, 1997. The invoices are for the diamond drilling only, and exclude other costs such as fuel, camp, geology, assaying and supervision.

STATEMENT OF QUALIFICATIONS

WILLIAM D. MANN
19 HAYES CRESCENT, WHITEHORSE, YUKON

1. I am a Graduate of Queen's University, 1986, with a Master of Science Degree in Mineral Exploration Geology.
2. I am a Graduate of the University of British Columbia, 1983, with a Bachelor of Science Degree in Geology.
3. I have worked in mineral exploration and mining since 1979.
4. I supervised and participated in the drill program conducted on the Goddell Project from October, 1996 to April 1997 and have worked extensively in the Mt. Skukum area since 1995.
5. I own shares and/or options of Trumpeter Yukon Gold and associated companies.

September, 1997

A handwritten signature in cursive script, reading "William D. Mann", written over a horizontal dashed line.

William D. Mann, M.Sc.

APPENDIX 1

GODDELL PROJECT
Summary of Drillhole Collar Data, September 1997

HOLE-ID	UTM GRID		metres	degrees	degrees	metres	
	N	E	ELEV	Azimuth	DIP	LENGTH	
87-PG1	6672520.820	484499.670	1316.78	23.00	-58.00	195.70	This Report
87-PG2	6672520.820	484499.670	1316.78	23.00	-70.00	274.93	
87-PG3	6672520.820	484499.670	1316.78	11.00	-70.00	254.20	
87-PG4	6672520.820	484499.670	1316.78	11.00	-78.00	388.32	
87-PG5	6672520.820	484499.670	1316.78	331.00	-62.00	235.61	
87-PG6	6672478.020	484645.930	1413.52	10.00	-50.00	192.94	
87-PG7	6672478.020	484645.930	1413.52	10.00	-66.00	292.30	
87-PG8	6672478.020	484645.930	1413.52	333.00	-60.00	294.13	
87-PG9	6672478.020	484645.930	1413.52	43.00	-60.00	291.69	
87-PGE1	6672770.000	483950.000	1075.00	175.00	-45.00	226.47	
87-PGE2	6672626.000	484056.000	1186.00	15.00	-50.00	210.92	
88-PG1	6672700.500	484438.280	1282.00	147.00	-62.00	388.01	
88-PG2	6672701.110	484438.500	1282.00	147.00	-75.00	532.49	
88-PG3	6672701.110	484438.500	1282.00	174.50	-75.00	538.58	
88-PG4	6672701.110	484438.500	1282.00	200.50	-75.00	517.25	
90-GT1	6672520.820	484499.670	1316.78	148.00	-46.00	175.26	
90-GT2	6672520.820	484499.670	1316.78	148.00	-76.00	228.60	
90-GT3	6672584.670	484511.140	1276.52	155.00	-45.00	211.84	
90-GT4	6672584.670	484511.140	1276.52	178.00	-60.00	239.88	
90-GT5	6672584.670	484511.140	1276.52	178.00	-46.00	169.47	
90-GT6	6672593.920	484444.800	1242.24	160.00	-76.00	387.71	
90-GT7	6672593.920	484444.800	1242.24	177.00	-45.00	160.32	
95-23	6672733.560	484161.760	1178.61	121.83	-55.00	483.11	
95-24	6672733.850	484162.080	1178.85	117.35	-54.66	678.21	
95-25	6672736.000	484145.840	1172.64	126.61	-59.99	505.07	
95-26	6672623.000	484057.810	1188.00	98.50	-52.50	501.40	
95-27	6672735.000	484152.500	1172.00	119.00	-61.00	674.52	
96-28	6672838.906	483961.005	1002.91	187.00	-50.00	388.32	
96-29	6672660.000	484450.000	925.00	180.00	-50.00	156.67	
96-30	6672660.000	484450.000	925.00	180.00	-59.00	176.78	
97-31	6672660.000	484450.000	925.00	180.00	-31.00	136.86	
97-32	6672660.000	484452.000	925.00	142.00	-49.00	216.10	
97-33B	6672660.000	484452.000	925.00	142.00	-56.00	202.39	
97-34	6672660.000	484452.000	925.00	142.00	-61.00	223.72	
97-35	6672661.000	484451.000	925.00	161.00	-50.00	185.62	
97-36	6672661.000	484451.000	925.00	161.00	-66.00	249.63	
97-37	6672661.000	484451.000	925.00	161.00	-42.00	152.10	
97-38	6672661.000	484451.000	925.00	161.00	-57.00	209.09	
97-39	6672661.000	484451.000	925.00	161.00	-73.00	261.82	
97-40	6672661.000	484451.000	925.00	142.00	-70.00	243.54	
97-41	6672661.000	484451.000	925.00	130.00	-50.00	205.13	
97-42	6672665.000	484400.000	932.00	180.00	-50.50	151.79	
97-43	6672666.000	484400.000	932.00	180.00	-67.00	195.99	
97-44	6672666.000	484400.000	932.00	180.00	-73.00	252.37	
97-45	6672666.000	484400.000	932.00	180.00	-77.00	331.62	
97-46	6672673.000	484350.000	939.00	180.00	-58.00	162.46	
97-47	6672673.000	484350.000	939.00	180.00	-67.00	199.03	

GODDELL PROJECT**Summary of Drillhole Collar Data, September 1997**

HOLE-ID	UTM GRID		metres	degrees	degrees	metres	
	N	E	ELEV	Azimuth	DIP	LENGTH	
97-48	6672673.000	484350.000	939.00	180.00	-78.00	275.54	This Report
97-49	6672696.000	484300.000	947.00	180.00	-60.00	211.53	
97-50	6672696.000	484300.000	947.00	180.00	-70.00	270.97	
97-51	6672661.000	484451.000	925.00	130.00	-57.00	252.37	
97-52	6672734.000	484183.000	964.00	180.00	-60.00	325.83	
97-53	6672696.000	484300.000	947.00	180.00	-74.00	287.73	
97-54	6672719.000	484253.000	958.00	180.00	-71.00	320.04	
97-55	6672719.000	484253.000	958.00	180.00	-74.00	370.03	
97-56	6672818.000	484026.000	993.00	180.00	-56.00	359.35	
97-57	6672658.000	484550.000	910.00	180.00	-41.00	176.78	
97-58	6672658.000	484550.000	910.00	180.00	-64.00	210.31	
97-59	6672658.000	484550.000	910.00	180.00	-55.00	191.41	
97-60	6672658.000	484600.000	902.00	180.00	-60.00	199.64	
97-61	6672658.000	484600.000	902.00	180.00	-52.00	192.02	
97-62	6672658.000	484600.000	902.00	180.00	-39.00	161.54	
97-63	6672658.000	484639.000	897.00	180.00	-42.00	174.65	
97-64	6672658.000	484639.000	897.00	180.00	-47.00	189.10	
97-65	6672658.000	484639.000	897.00	180.00	-60.00	246.90	
97-66	6672658.000	484639.000	897.00	150.00	-45.00	306.32	
97-67	6672658.000	484639.000	897.00	150.00	-60.00	219.46	

Logged By: T.M. L. / 11/2/96, W.D. Mann Field Coordinates: 2842N, 3960E, 1003 m e.l. Core Size: N/Q, reduced to BQ @ 310.57m
 Property: Goddell Underground Survey Coordinates: 2838.75N, 3961.05E, 1002.91m e.l. Hole Length: 1274' 388.32m
 Target: Deep mineralization at BQm Azimuth / Dip: 197° / -50° Drilled By: CARON Downhole Surveys: S.S.
 Started: Oct 11, 1996 Claim: POP Assays By: CARMACKS 610': dip - 52.5° 195° Az, 680': dip
 Completed: Oct 23, 1996 Casing: 3 feet LAB -53° 197° Az, 1274': dip - 52.5° 198° Az,

From	To (m)	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
0	0.9	CASING	0	0	0	3	4	1	0	98	36							
0.9	8.54	<u>SILICIFIED FELDSPAR PORPHYRY</u> - light to dark brown, 25% feldspar phenos in altered aphanitic groundmass. White clay altered subhedral 3 mm feldspar phenos. No apparent alteration. <u>Structure:</u> Crackle brecciation common; locally flow-banded; ductile shearing; clay on fractures; often "along" line. contact 40° to clinor. <u>Alteration:</u> Clay-altered phenocrysts; strongly silicified ± K-spar? matrix. <u>Mineralization:</u> minor Q veins (1mm) in local black sulphides or pyrites (nat. mgt. or hematite).																
8.54	19.00m	<u>CLAY ALT'D and SHEARED QTZ. MONIZ-ONITE</u> - medium grained, gray, mottled. <u>Structure:</u> BRECCIATION and shearing strong throughout; local fault gouge. <u>Alteration:</u> Strong CLAY alt'n. <u>Mineralization:</u> Q-Carb, Q and Carb veins commonly 1-3 mm oriented at angle 110-200.	3	3	2	4	0	2	1	79	65							

to core area

12.64 - 12.74 m = bulk Qtz. 0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From (m)	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		18.06-18.20m = Brown silic. FELSIC DYKELET cut by 4-7mm. vn. of chaledony at 90° to c. axis.															
		19.00m = Contact sharp and 45° to core axis															
		TO PROPYLITICALLY ALT'D															
19.00	52.26	REL. FRESH, QTZ, MONZONITE, -colour index ca. 5; med. grained; med gray; speckled	2	2	0	3	1 1/2	1	99.74								
		Structure: unfoliated; only minor c. axis bra-tion; little or no shearing.															
		Alteration: local white Q - see for such as at 20.9m (1cm thick and irregular in "steps" at 45° to c. axis); AFTER 35m = PROPYLITIC (Clay → Plag)															
		Mineralization: Minor PYRITE as described w. alt. above (f. grained)															
		23.25m = minor disse. PYRITE.															
		27.45m = 6mm Q in w. 1cm phyllic selvage on either side; (10) f.g. diss. PY ca. 60° to core axis.															
		28.59-28.64m = Carb. bra w. 20% white carb (minor calcite)															
		28.98-29.06m = 1cm Q vn. w. phyllic selv. in 11m for 4cm; ca. 30° to c. axis															
		30.68-31.64m = Shearing vn. max 1/4% disse. py; shearing 70° to core axis.										B 100151	30.7	31.7	1.0	.003	.047
		35.60m = minor py. diss. w. shear over 13cm										B 100152	38.16	38.96	0.80	.001	.034
		38.16-38.96m = 3 x 1cm Q - Carb. vn. in middle of shear zone at 30° to core axis															

to core axis 0.1 - 0.25% py + minor aspy? needles.

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Notes: contact of ... M ...

From (m)	To (m)	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
52.26	63.14m	REL FRESH QUARTZ-FELDSPAR PORPHYRY MARKER UNIT (DEP) Up to 5% each of 3mm Q and Plag. phen. set in a grayish buff granitic groundmass. Structure: Massive good looking except for 10cm zone around 57.62m Alteration: Feldspar phen. all to clay Mineralization: None; POST MINERAL Lower contact 40° to core axis (N. dip)	2	2	0	2	0	0	0	70	77							
63.14	68.66m	WK. PROPYLITICALLY ALT'D Q. MONO. as from 19.00-52.26m Structure: Sheared and brecciated in assigned interval; otherwise massive Alteration: WK. zone except for a total of 50cm in brecciation interval black speckled and phyllic (Q. see Pg) Mineralization: 2 x 3mm Q. zone 70% to core and 40% to core in brecciation Very fine py. mostly in low zone below 66.20m. Overall 0.1-0.25% py from 66.20 to 67.30m LWR. CONTACT 30° to c. axis.	1/2	3	0	2	0	2	2	97	56							
68.66	73.11m	LOCALLY SHEARED and FINE GRAINED QUARTZ-FELDSPAR PORPHYRY - new	2	2	0	2	0	0	0	77	59							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		Structure: Mass. 10-30 m. local															
		10-30 m. zone of breccia and															
75.4	77.4	chert. Large zone from 75.40m															
77.4	80.0	- 77.4 m. clay matrix FAULT															
		BRCCIA w. 30-40% material - frags															
		subang to ign. lit															
		Alteration: 20% phyllic															
		Mineralization: None															
		LOWER CONTACT ca. 45° to c.a.															
78.01	98.07	SHEARED QTZ. MONZONITE (BKA Loc. 10)	?	3	0	3	0	2	1	95.82							
		- m. gr. and matrix in place.															
		Structure: ductile and brittle shearing;															
		clay common															
		Alteration: weakly phyllic; chloromphic															
		clay-ser? - phyl.															
		Mineralization: only minor py.															
98.07	104.86	ALTERED QTZ. MONZONITE	2	4	0	3	0	3	2	98.73							
		- light greenish gray to mottled whitish															
		gray															
		Structure: mainly massive; sheared and clay															
		altered from 102.23 - 104.12 m															
		Alteration: mainly propylitic w. clay-phyl.															
		section as above; CARB. ALT. common last half of section															
		Mineralization: Trace f. gr. PYRITE; some															
		tiny Q-carb veins; 4 cm silic. breccia at															
		200 to c. axis at 103.62 m - frags															
		f. gr. Q. Porphyry															
		105.03 m = 4 mm Q. v. w. carb &															
		py. selvages ca. 45° to core axis.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
98.07 (continued)	164.86	114.27-114.52m = 3X one to 3 mm carb. vns at 45-60° to c. axis. 122.47-123.32m = SPECKLED ANDESITE PORPHYRY DYKE - upper contact 45° to c.a. and lower contact 25° to c.a.; speckled texture from 10-15% 1-3 mm chl. and 5-7% alt. spars; some hairline carb. vns ALTERATION - strong CARB. (BUFF) after andesite dyke for 10m then mixed propy. and carb. 134.85-135.30m = strongly fract. near end of carb. alt. at 135.92m. 142.93-143.55m = PHYLIC ALT'N W. 0.1% Py replacing former mafics(?) 8mm Q. vns at 45° to core axis. From 148.55m CARB? ALT'N STRONG NOW. 151.93m - 1-4 cm. composite Qtz. vns at 75° to core axis. Cut by later white carb. vns ⊥ Q vns. Minor PYRITE 152.83-153.72m = ANDESITE ^{PORPHYRY} DYKE Gray, bleached, carb. veined and speckled w. chl. mafics; 3-4% by volume = angular gashes filled w. carb. 154.32-.92 = 2X 1/2 to 1 cm. creme CARB gash veins at 20° to c. axis. some 1mm. py grains on margins of vein. 162.7m = MIN'Z'D BLACK BXA																

shear 3cm wide w. dark STIBNITE?

adjacent to pyritic shear - Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong
Shear 20-45° to c. axis.

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
164.96	181.10	MIXED DYKES and CARBED QTZ MONZ															
		164.86-166.22m = Gray SPECKLED ANDESITE	4	-	3	4	3	2	1	95.67							
		PORPHYRY DYKE, - 10% irreg. chl. phenos in f.gr. gdmass contacts ca 45° to core axis. Luv. contact 2-3cm. of f.gr. PYRITE (dissem) and several percent bright green mica; abund irreg. hairline cracks vns															
		166.22-168.23m = BUFF CARBED QTZ. MONZ as before															
		168.23-171.17m = GREEN MARKEN RHYOLITIC AEP DYKE, - crackle brecciated and locally banded; several percent 1-2 mm Q and SPAR phenos. Locally banded; upper contact 45° to core axis; lower banded by hairline silica veins															
		171.17-172.54m = BROWN, CARBED. QTZ. MONZ as before															
		172.54-173.48m = SPECKLED ANDESITE PORPHYRY DYKE as before - upper contact 45° to core axis															
		173.48-174.65m = BROWN CARBED. QTZ MONZ as before															
		174.65-175.52m = SPECKLED ANDESITE PORPHYRY DYKE as before; Bleached lower contact 45° to															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
		Alteration: 30 cm of buff bleaching at upper contact and 60 cm of bleached And at lwr. contact. Phenos: chl, after iseg, mafus and sericite after feldspar phenos. Mineralization: minor dissem. PYRITE in fresher sections. 205.44-48 m = 3-4 cm. GRANITE (m.gn.) Dyke post And. dyke; 25-300 to c.a.																
206.31	210.59	SHEARED (FAULT), BRECCIATED and ALTERED GREEN RHYOLITIC QFP DYKE - 50 cm block of Q12. MONZ. (Alt ^d) at upper contact and 30 cm of bleached buff ANDESITE DYKE at lower contact (3-4% ^{each} Q & Spar (2 mm. eyes) in QFP) Structure: Fault contact between lwr. And dyke and Rhyo. is ca 25° to c. ax. Same banding in Rhyo. is 55° to c. ax. Alteration: Strong green sericite; spar phenos alt ^d to clay? Local sections up to 60 cm w. pink (hem) silica alt ^m . Mineralization: Tr. py.; Tr. veining although bxa often cemented w. barite & volts.	0	3	4	2	3	1	1	93.43								
210.59	221.80	ALTERED QUARTZ MONZONITE - c.gn. (4 mm) subporphyritic w. <1 mm. Q-K-spar groundmass. Structure: Strongly MICROFRACTURED; local bxtation; minor black bxa. at 218.85 m; at 25° to c. ax.	?	2	3	2	0	1	1	98.60								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
210.59	221.80	Alteration: Larger grains of feldspar (30%) strongly <u>sericitized</u> ; any remnant mafics bleached.															
(continued)		Mineralization: Tr. PYRITE.															
		219.48m = 1 1/2 cm STIPANITE w.										B10154	219.16	220.68	1.52	*.063	.07
		1% SI vein at 30° to core axis.										B10155	220.68	221.85	1.17	<.001	
		219.64m - 219.90m = Fault gouges															
		219.64m - 221.85m = Strong ser. bleaching before contact															
221.80	247.00m	PRE-MINERAL PYRITIC QF Porphyry DYKE - locally cut by narrow to wide (1.1m) zones of black breccia (cataclasite). Phenocrysts mainly 2-4% each of ser. feldspar and euhedral Qtz. Colour light gray to light buff.	0	3	2	1	3	3	93			B100156	221.85	223.72	1.87	.002	.016
		Structure: Contacts: Upper 30° to core axis and lower 45° to core axis. Most breccia filled with black cataclasite which is well healed; i.e. only minor fault gouge.															
		Alteration: Ser of plagioclase but otherwise relatively fresh and hard; weak silica overalls, esp. healing black bxa(?)															
		Mineralization: Mainly 0.5% PYRITE as 1-1mm cubes and anhedral to subhedral specks; ALSO, minor black soft disseminated															
		225.88 - 227.43m Total of 25 cm bl. bxa in section; Diss. Py and SPHALERITE in fresh dyke rock										B100158	225.25	225.88	0.63	m<.001	<.001
												B100159	225.88	227.43	1.55	m<.001	<.001

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
		227.43 - 229.10m = 60cm of healed, compacted QFP. Bxa. ca. 40% Hggy medium.										B 100160	227.43	229.10	1.67	<.001	<.001
		229.10 - 230.64m = 2 short brecciated sections totalling 15cm; sections ca. 10-15° to c. axis.										B 100161	229.10	230.64	1.54	<.001	<.001
												B 100162	230.64	232.32	1.68	<.001	<.001
												B 100163	232.32	233.32	1.00	<.001	.041
		233.32 - 234.75m = 1/2% dissemin. PY.										B 100164	233.32	234.75	1.43	<.001	.033
		234.75 - 236.10m - Total of 60 cm bl. bxa mainly running down core axis. Section brecciated with 1/2% mixed Py and black sectile mineral.										B 100165	234.75	236.10	1.35	* 2.001	<.001
		236.10 - 237.65m = last 45cm ctyg. 1% diss PY with minor SPHALERITE. Fairly massive QFP.										B 100166	236.10	237.65	1.55	.002	.014
												B 100167	237.65	239.07	1.42	<.001	<.001
												B 100168	239.07	240.49	1.42	<.001	<.001
		237.65m - 247.0m = 0.5% - 1% PYRITE in matrix ARSENOPYRITE, SPHALERITE and STIBNITE? (ASSAYING WHOLE SECTION!)										B 100169	240.49	242.01	1.52	<.001	<.001
												B 100170	242.01	243.54	1.53	<.001	.045
												B 100171	243.54	245.06	1.52	<.001	.010
												B 100172	245.06	246.58	1.52	.010	.027
247.00	255.81	STRONGLY ALTERED QTZ MONZONITE with a local 30° to c. ax. shear fabric. Black Bxa to 248.81m from contact. Upper contact ca. 20° to c. ax. Structure: Sheared as noted above. (ductile) and brittle along joints. Strong brecciation for 30cm from contact. Alteration: Very STIPPLIG STIPPLIG. Mineralization: 2-10% PYRITE from 247.00m - 248.81m. Many other sections weak PY. Tr. - Wk Aspy? Needles?	0	0	4	0	2 1/3	2 1/4	95			B 100173	246.58	248.80	2.22	*.120	.00
												B 100174	248.80	249.63	0.83	<.001	<.001
												B 100175	249.63	251.16	1.53	<.001	<.001
												B 100176	251.16	252.68	1.52	<.001	<.001
												B 100177	252.68	254.20	1.52	<.001	<.001
												B 100178	254.20	255.83	1.63	<.001	<.001

- banded dyke; unmineralized w. Qtz. & Spar "EYES"

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz/t	Ag ~~g/t~~ oz/t	
		<u>Structure</u> : green (ser.) and white (fresh Q.F.P.) banding common at 550 to c. axis. <u>Alteration</u> : Generally weak w. some sericitic bands. <u>Mineralization</u> : NONE; wk. hauchel Q veins																
271.76	288.61	<u>ALTERED QUARTZ MONZONITE</u> -brecciated for first sample interval from contact (? alt. Andesite & Q. Monz.) <u>Structure</u> : Sericitic fractures common down to 280.45 - 280.60 m at 25-30° to c. or; at this point "hairline to 2 cm bl. br. stringers" or shears are present at an angle of 25° to c. <u>Alteration</u> : Strong sericite down to 280.60 m; thereafter K-spar is fresh and sericitization is moderate. <u>Mineralization</u> : Mainly trace except for black interval at beginning of section from 271.76 m to 272.76 m where there is 3% Py + minor SPHALERITE 275.34 - 275.54 m - <u>ANDESITE DYKE</u> cut by random 2 mm Q-Carb veins	1	2	4	0	0	2	1/3	95	72	100/86	271.76	272.76	1.00	.009	.041	
													800/87	272.76	274.02	1.26	<.001	.015
													800/88	274.02	275.54	1.52	<.001	<.001
288.61	296.33	<u>MAINLY SPECKLED (CHL.) ANDESITE</u> DYKE w. 2 BLOCKS of INCLUDED QUARTZ MONZONITE - dyke is gray with alt. chl phenos (7%) 1-3 mm across.	3	3	0	0	3	3	2	98								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
288.61 (continued)	296.33	<u>Structure:</u> Upper and Lower Contacts ca. 45° to core axis. Abundant 2-3 mm white Q-carbonates // c.a. to 80° to c.a. (45° as well) <u>Alteration:</u> Fuchsite(?) for 50 cm at lower contact; some areas darker green than others. <u>Mineralization:</u> 1-2% PYRITE ass ⁿ with BRECCIATION up to 30 cm. from upper contact. (NB) 2 blocks (40 cm and 1.3 m) of alt. Q.M. in strip of dyke → <u>STRONG SILIC. and SER. of Q. Monz</u> <u>blocks.</u>																
296.33	311.20	<u>ALTERED QUARTZ MONZONITE</u> - c.g. and mottled. <u>Structure:</u> only local shearing such as a 2 cm shear 65° to c.a. 300.15 m. <u>Alteration:</u> only occasional bleached (mm) fract. and Q vns. K-spars is fresh. Sericitization is moderate to strong. <u>Mineralization:</u> Tr. PY 304.72 m - 305.09 m = Dyke of light greenish (ser.) QFP ^{BP} at 20° to c.a. Upper sheared contact; Reduced to BQ. @ 310.59 m	2	2	4	1	0 1/2	1	2	8								

RQD
1.3
309 m
= 6.96
m

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
311.20	312.20	Heterolithic Breccia Dyke (?) - angular to subround lings to 3cm QZMZ, rhyolite dyke, AN/D. Matrix is green, mod. hard, 2% pyrite. Lower contact ~60° E.	1	1	3	1	0	1	2	99.9	9	100189	311.20	312.20	1.00	.007	.027
312.20	321.26	QZMZ - Sheared & Altered Quartz Monzonite - pale green, grey mottled Structure: Solid, mod. hard core. Sericitic shears common, 0°-70° E. Narrow clay-sericite shears - soft, esp. above 318m. Alteration: Mod. - strong sericite. Minor fresh Kspar. Sericite (- clay - py. - carb.). Mineralization: Pyrite 1-1½% in shear veins, dissem. above 319.2m, <1% below 319.2m. Minor Q veinlets.	1	0	4	1	1	2	3	99.8	100190	312.20	313.70	1.50	<.001	.031	
			1	0	4	2	1	2	3	99.7	100191	313.70	315.20	1.50	<.001	<.001	
			1	0	4	2	1	2	3	98.7	100192	315.20	316.70	1.50	<.001	.060	
			1	0	4	3	1	2	3	98.5	100193	316.70	318.20	1.50	<.001	.078	
			1	0	4	2	1	1	2	99.6	100194	318.20	319.20	1.00	<.001	.083	
			1	0	3	1	1	1	1	99.8	—	319.20	321.26				
321.26	323.26	RQFP - Rhyolitic Quartz-Feldspar Porphyry - pale green, pink. 2% 1-3mm Q eyes, locally euhedral. 3% 1-4mm white-pink fsp. phenos. Structure: Solid, hard core. Mod. flow-banding. Lower contact 60° E. Alteration: Very hard, Q-rich. Weak sericite (clay). Mineralization: Trace pyrite. Rare Q-carb. veinlets Trace hem. near upper contact.	1	0	2	1	1	1	1	99.9							
323.26	326.70	QZMZ - mod. shearing & alteration - Quartz Monzonite - mottled grey-green Structure: Solid core. Narrow sericite (clay) shears. Alteration: Mod. to strong sericite. Matrix bleached rare fresh Kspar. Mineralization: 1% dissem. py. Rare Q py. veinlets. - 20 cm AN/D, minor fuchsite @ 324.2m	1	1	4	1	1	1	2	99.9							

Acme

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Logged By: <u>C. Hunter / T. Elliott</u>	Field Coordinates: <u>4450E, 2660N, 925m ± l.</u>	Core Size: <u>1 1/2"</u>
Property: <u>GODVELL</u>	Survey Coordinates:	Hole Length: <u>156.67m (514 ft.)</u>
Target: <u>HALE 98-3 area</u>	Azimuth / Dip: <u>7-50°</u>	Downhole Surveys: <u>Acid Test</u>
Started: <u>DEC. 16, 1996</u>	Drilled By: <u>Cyan</u>	<u>at 514 ft (156.67m)</u>
Completed: <u>DEC. 19, 1996</u>	Claim:	
	Assays By: <u>ALMC</u>	
	Casino: <u>3 FELT</u>	

Completed: 22-11-2022																		
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02	
0	0.90	CASING (3 ft.)																
0.90	24.30	MAINLY VERY WEAKLY PROPYLITICALLY-ALTERED QUARTZ MONZONITE Lithology: massive and equigranular - quartz-carbonate veins averaging 5mm to 8mm; localized veining - no mineralization. - 4 phyllically-altered sub-units with mineralization. Average widths of 0.5m - 0.8m with 2-5% pyrite in the phyllically-altered 2-20cm centres. Contacts are gradational. Structure: veins of quartz-carb 50°-90° to c-axis; narrow shearing, not pervasive Alteration: fresh pink K-sphs ; weak sericitization of plagioclase ; weak chloritization of mafics. Mineralization: as described above phyllic core in QZMZ " " " " " " " " " " " "	1	1	1	0	0	2	1	97.7								
												B 100197	10.85	11.78	0.93	.002	.01	
												B 98	17.29	17.95	0.66	.007	.02	
												B 99	20.11	21.10	0.99	<.001	.01	
												B 100200	23.50	24.30	0.80	<.001	.02	
24.30	33.20	→ PINK, WEAK TO MODERATELY PROPYLITIZED QUARTZ MONZONITE Structure: Very massive; poorly jointed Alteration: Matrix 50% bleached; plag 50% sericitized; K-sphs fresh pink Mineralization: 2 x one to 4cm phyllic	0	3	2	0	0	2	1	99.8								

From m.	To m.	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz	Ag oz
		alt ^m selvages around 1-4 mm Qtz. vns. Contact with underlying alt ^m zone of QZM2 gradational.															
29.20	33.27	STRONGLY BLEACHED (w. SERIC.) AND LOCALLY SILICIFIED QTZ MONZONITE - healed shear Fabric begins at 30.18 m. 30.46-30.50 m = 4 cm. of bl. bxa at 45° to c. axis. Structure: Curved ductile shearing w. seric. bands spaced 0.5-1.5 cm apart. Alteration: Strong Q-SER. w. local strong silicification Mineralization: Tr. py except at 33.32 m in bl. bxa at 45° to c. ax. Here in bl. bxa py = 3-4% (very f.g.) Shear (brittle) is 3-4 cm. wide.	0	0	4	0	2/3	1	2	95.5							
												B 100201	31.76	33.31	1.55	.010	<.01
33.27	36.51	BLEACHED LT. GRAY SPECKLED ANDESITE DYKE - 15° to 1 mm. Chl to ser - fuchsite? phenos. in aph. to f.g. qd mass. Structure: massive, but cut by abund. hairline to 3 mm Q-carb. vnlts. Upper contact 45° to c. a. 60° to c. ax. Alteration: wk. to moderate silicification mainly chl. phenos. Mineralization: minor py (dissem.) Mod. irreg. Q-carb veining	2/3	3	2/3	0	2	3	1	99.8							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
36.51	37.95	MOD. TO STRONGLY ALT'D QTZ MONZONITE Structure: Massive; some ductile banding; healed shears LWR CONT 50° to core axis. Alteration: Bleached mafics; seric. plag; fresh to partly seric. white K-spar Mineralization: 1/4 - 1/2% dissem. py; tr. aspy needles.	0	0	4	0	1/2	1	2	95	.65							
37.95	46.38	NORTH MARKER QFP DYKE ctg. 7% subrounded green frag- ments of same wt. Only 1-3% Q eyes. Frags. 1/2 - 5cm long. 8% 2mm Qtz eyes and 5-7% pink feldspar phenos. (3-4mm long) Structure: massive; only locally well-fred Alteration: rel. fresh except for green fragments (? torn of walls? of dyke) which are soft. Mineralization: NONE Lower contact ca. 40° to core axis Broken for 15cm	1	0	2	2	0	1	0	77	.8							
46.38	47.43	ALTERED QTZ MONZONITE ctg. 15cm. bl. bxa. Structure: massive. Alteration: mod. to strong ser.; locally strong propyl. (remnant)	1	3	4	0	2	0	2	15	.5							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		Mineralization: 15 cm of bl. bxc ctg. 40% bl. bands w. 20% and minor sphal. from 46.94 - 47.09m.															
47.43	57.81	MIXED ZONE OF ALT'D QTZ MONZ w. 3 DYKES OF BLEACHED SPECKLED ANDESITE → AND. DYKES at beginning (1.0m), middle (0.85m) and end (1.7m) of zone. Structure: Dyke-Q.M. contacts 50% 90° to core axis. Zone ends in 1m. of shattered andesite. Alteration: mainly mod. to strong (bleached) sericite in QZMZ and mod. to strong bleaching in AND. w. "speckles" of 10% /mm fuchsite? Mineralization: locally 1-2% m. gr. (1-2mm) py. cubes in AND. NO minz'm in QZMZ.	2	2	4	0	0	0	3	2	70.5						
57.81	68.74	MIXED ZONE OF MAINLY QFP DYKES, AN ALASKITE DYKE, 2 SPECKLED ANDESITE DYKES and 65 cm. of ALT'D QZMZ INCLUDED in the AND. DYKES. In detail: 57.81 - 60.85m = Q.F.P. → lt. gy-green w. 3% each of indistinct Q and spar phases 60.85 - 61.75m = Cracked, speckled And dyke; gy bleached w. 4% 1-3mm chl. wispy phases.	1	0	3/4	1	0	1/2	1	77.7							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ^{g/t} oz	Ag ^{g/t} oz	
		61.75m - 62.68m = QZMZ strongly seric. alt ^d . Contact partly // core & dls. at lwr. end and 10° to c. axis at upper end. 62.68 - 62.92m = AND DYKE w. lwr. contact 45° to c. axis. 62.92m - 65.55m = lt. greenish gy alaskite (very fgr.) // upper contact banded 55°-70° to c. axis; lwr contact irregular & blocky. 65.55m - 68.73m buff to gray QFP as at beginning of interval.																
68.73	72.63	MAJOR HEALED FAULT and BRECCIA ZONE MAINLY IN QZMZ - local STRONG MINZ'N - mainly andesite for first 2 minz'd samples. Structure: Mainly brecciated and shear banded 35-45° to c. axis of ca. 1 cm. Except for 71.33m - 74.85m, black bxa common. Alteration: Strong SERICITE or CLAY IN BL. BXA. Mineralization: Weak to very strong (15% locally) PYRITIC SAMPLES: QZMZ and - Mainly gy andesite; minor QFP; bl. bxa. for 15-20cm at beginning; 2% Py; 75% - Mixed QZMZ-AND 7% very fgr. pyrite	0	0	4	4	3/4	0	1/4	95								
													B 100202	68.70	69.58	0.88	.003	.02
													B 100203	69.58	70.85	1.27	.014	.02

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
Brief Sample Notes:																	
		- St. Ser. QZMZ 1/2% diss. PYRITE										B 100211	88.09	88.61	1.52	.002	.01
		- SER. & BXATED QZMZ; 2 local black bxa bands 40° to c. ax; 1/2% diss. py										B 100212	89.61	91.14	1.53	.002	<.01
		- SER. & BX QZMZ; 1/2% diss. PY; minor ASPY										B 100213	91.14	92.66	1.52	<.001	.02
		- SER. QZMZ; 1/2% " PY; " ASPY										B 100214	92.66	94.39	1.73	.002	<.01
		- PHYLIC QZMZ; 2X 1cm Q vns 80° to c. ax; 1-2% ASPY; 1-2% PY										* B 100215	94.39	95.63	1.24	.398	.05
		- SER. QZMZ; Tr. PYRITE										B 100216	95.63	96.21	0.58	.005	<.01
		- PHYLIC QZMZ; 1-2% ASPY; 1-2% PY										* B 100217	96.21	96.98	0.77	.114	.11
		- SER. QZMZ; 1/4-1/2% PY										B 100218	96.98	98.76	1.78	.001	.02
		- SER. & BXA QZMZ; 1/4-1/2% PY; Tr. ASPY										B 100219	98.76	100.28	1.52	<.001	<.01
		- SER. QZMZ; 1/4-1/2% PY; Tr. ASPY										B 100220	100.28	101.53	1.25	.008	<.01
		- U. Contact of PHYLIC QZMZ ca. 70° to core axis; 1 X 1cm Qtz. vns at 20° to c. axis; 2% PY; 1% aspy needles; Sl Tr.										* B 100221	101.53	102.80	1.27	.665	.08
		- SER. QZMZ; 1/4-1/2% diss. PYRITE										B 100222	102.80	104.22	1.42	.005	.01
104.20	151.56	PARTLY MINERALIZED ZONE OF MIXED QTZ. MONZONITE CUT BY Q-CARB VINED ANDESITE DYKES. Structure: Massive; only locally strongly fractured. Q-Carb vns in ANDESITE dykes, streaks and gashes Alteration: Strong bleaching and silicification of QZMZ; strong Q-carb vns in bleached dykes. Mineralization: compared to 96.63-104.42 m; min in ANDESITE DYKES	4	0	3	0	1/3	3/4	2/3	17.75							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz	Ag ~~g/t~~ oz	
		contacts 65° & 90° to c. axis																
		- 22cm long AND. DYKE w. 0.2% ASPY in cfr. of SER QZMZ w minor ASPY and overall section = 1% PYRITE								*	B	100223	104.72	104.85	0.63	.003	.07	
		- SER QZMZ 1-2% PY; 1/10% ASPY										B	100224	104.85	105.91	1.06	.053	.01
		- BLACK AND DYKE - very fine Q-carb vns. Contacts 25° & 45° to c. axis. 7-10% PY w. 1-2% (?) ASPY								*	X	B	100225	105.91	107.28	1.37	.531	.09
		- BLEACHED & CARB-Q VINED AND. DYKE continuous w. prev. sample. Sample ends in 15cm of QZMZ; 0.1% PY										B	100226	107.28	108.77	1.49	.001	.01
		- MIXED AND BXA & QZMZ BXA Strong carb. vining; 2% PY Tr ASPY.								?	*	B	100227	108.77	110.20	1.43	.019	.01
		- 33cm AND DYKE in 75° contact w bleached QZMZ; one 1cm x 3cm patch w. ASPY (0.1%) needles; < 1/4% PY Lwr. contact 45° to c. axis.										B	100228	110.20	111.16	0.96	<.001	.01
		- Bleached, bxtated, and carb-vined AND. w. 20cm inclusion of QZMZ; 0.1% PY.										B	100229	111.16	112.47	1.29	.001	.01
		- QZMZ BXA - bleached and SER - Tr. PY										B	100230	112.47	113.64	1.17	<.001	<.01
		- Gray speckled AND DYKE - (lwr. cont. 20° to c. axis. Tr. PYRITE at contact.										B	100231	113.64	115.22	1.58	<.001	.02
		115.22m - 120.36m = NO SAMPLING - MAINLY BLEACHED, BARKEN QZMZ																
		- Carb vined Gray AND-SITE; upper contact 45° to c. axis. 1/2% PY, Tr. ASPY needles. Lwr. cont. 45° to c. axis.										B	100232	120.36	121.97	1.61	<.001	<.01
		121.97 - 125.79m = bleached SER. QZMZ - Tr. PY (NO SAMPLE)																
		- GRAY Q-CARB VINED ANDESITE - Some good 1-2cm patches of ASPY								*	B	100233	125.79	127.39	1.60	.083	.04	

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz	Ag ~~g/t~~ oz	
		Centers 15 cm. of 5% f.g. PYRITE Overall PY = 1/2 - 3/4 % TO END OF SECTION = Mixed speckled SER QZMZ cut by AND. DYKES.																
		- MAINLY BLACK MINZ ² to GR BLEND AND DYKE CONTACTS 60° (Upper) and 45° to core axis 3-5% Py + ASPY PY >> Aspy										B *101024	147.87	148.62	0.73	.114	.02	
151.5	156.6	MIXED ZONE OF PROPYLITIZED (E.O.H.) QUARTZ MONZONITE CUT BY ANDESITE DYKES - variable pink to green & brown speckled QZMZ, AND. DYKES DARK GREENISH GRAY. STRUCTURE: AND. Dyke contacts 45-60° to c. axis. Less Q-crack. veining in dykes than previous section. Alteration: Mod. Seric. Mineralization: Minor Py. E.O.H = 514' = 156.67m	1	4	3	0	0	3	1	77.8								

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
46.42	62.91	WEAKLY FRACTURED AND SHEARED QZ FELDSPAR PORPHYRY DYKE (N. MARKER) - 8-10% quartz eyes, 8% Feldspar phen's - 50.29m to 52.00m hematite staining - irregular shaped fractures often steep to core axis Structure: sharp contacts, fractures 0-80° to large clasts in mafics Alteration: Porphyritic, fresh Mineralization: no sulfides	1	0	1	0	0	1	0	97	0.9							
62.91	63.71	BLEACHED CARB VEINED SPECKLED ANDESITE Structure: broken contacts, & unknown Alteration: 1-3% bright green phenos. (fuchsite) Mineralization: none	2	2	2	0	3	3	0	98	0.9							
63.71	70.39	SPECKLED ALTERED QUARTZ MONZ. Structure: lower contact, 30° to c.a. Alteration: bleached mafics, mod. ser. plagioclase Mineralization: trace pyrite	1	0	3	0	0	1	1	95	0.7							

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		94.29 - 97.10 zone of strong black (96.40m = cluster) breccia with 60%-70% of ASPY Needles very dark grey matrices sample - black breccia - black breccia - grey QM breccia and fault gouge (97.30m = 1cm cluster 2mm needle visible on splitting)										B100247	94.29	95.77	1.48	.015	.01	
												B100248	95.77	97.10	1.33	.037	.03	
												B100249	97.10	98.30	1.20	.005	<.01	
98.30	111.16	GREY (MED. - DARK) FELDSPAR PORPHYRY SOUTH MARKER DYKE 25% WHITE FELDSPAR PHENOS. (5mm) Structure: lower contact sharp, 25-30° to upper contact at shear zone Alteration: fresh to weakly sericitized white feldspar phenos Mineralization: none - locally 1-3mm carb. veins at acute angles to core axis * first metre badly fractured, first 40cm very clay rich - fault contact	1/2	0	2	0	0	0	1	0	19	0.7						
111.16	158.53	LIGHT GREY TO DARK GREY BXA QUARTZ MONZONITE Structure: cracked brecciation, healed by sericite and fine stringers of black irregular clay ground sulfide - stringers Alteration: strong sericitic, mod-strong silicic Mineralization: trace pyrite - local mineralized sections	0	0	4	0	0	1/4	1/3	1/3	98	0.8						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		subunits - 115.09 to 119.19 - mineralized dark grey breccia															
		SAMPLES - ser. gls. monz. 0.1-0.2% Py ribes										100250	114.30	115.09	0.79	.001	.02
		* (0.2% 0.1% ASPY) Gray QZMZ BXA, ASPY but in patches extremely fine sulfides, needles										* 100251	115.09	116.48	1.39	.088	.04
		* - same as above note: the ASPY needles are conc'd in tiny lenses & stringers										* 100252	116.48	117.84	1.36	.178	.02
		*** - same as above note: many (0.3% 0.2%) needles present, good sample ASPY - light grey breccia with minor black BXA, less mineralized										* 100253	117.84	119.19	1.35	.079	.05
		- SER QZMZ w. 0.2-0.3% pyrite 41 cm long										B 100254	119.19	120.87	1.68	.026	.08
		- SER. QZMZ w. ANDESITE in cfr. (contacts 25-30° to c. axis) 0.3% pyrite; Tr. Aspy.										B 100255	120.87	122.13	1.26	.002	.03
		- SER QZMZ w. 0.1% Py Tr. Aspy in 1 cm Phyllic selvage at 80° to c. axis										B 100256	122.13	123.01	0.88	.010	.04
		- SER QZMZ BXA 0.2-0.3% Py Tr. Aspy										B 100257	123.01	124.97	1.96	.010	.02
		- SER QZMZ BXA 0.1% Py										B 100258	124.97	126.49	1.52	.023	.03
		- SER QZMZ BXA w. 0.1% 0.2% Py; Tr. ASPY.										B 100259	126.49	128.24	1.75	.004	.01
		- QZMZ BXA w. 5 cm chunk of mineralized Phyllic QZMZ 0.2% Py, Tr. ASPY Banding 20° to c. axis										B 100260	128.24	129.94	1.70	.018	.04
		- QZMZ BXA 0.2% Py Tr. Aspy										B 100261	129.94	131.50	1.56	.001	.02
												B 100262	131.50	132.59	1.09	.007	.06

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz	Ag ~~g/t~~ oz
		irregular vults, fract. & lenses of sulphides at acute (<25°) to c. ax.															
		- QZMZ BXA Minor PY.										B 100264	132.59	134.22	1.63	.001	.01
		134.22 - 141.46 = QZMZ BXA w. only Tr, Py (Not sampled).															
		- QZMZ BXA w. 2 sections of ANDESITE (carb - vird) ? BXA										* B 100265	141.46	143.26	1.80	.010	.02
		0.5% PYRITE; 0.1-0.2% ASPY AND? sections 25cm & 30cm long															
		- QZMZ BXA w. locally "sexy" 1mm needles in clusters 0.3% Py										* B 100266	143.26	144.78	1.52	.002	<.01
		1/20-1/10% ASPY															
		- QZMZ: 0.2% PY; Tr - 0.05% HSPV										B 100267	144.78	146.30	1.52	.005	.01
		- QZMZ: 0.7% Py 1/10% ASPY										* B 100268	146.30	147.83	1.53	.070	.02
		Last 15cm w. 5mm-1cm Qv. ^{PHYLL} ALTIN															
		- QZMZ: 2 Qtz vms 70° to caxis										* B 100269	147.83	149.35	1.52	.131	.01
		1 1/2% PYRITE; 1/10-1/5% ASPY															
		- QZMZ: + 7cm Prob-Q And DYKE at 45° to caxis. 0.3% Py Tr ASPY										B 100270	149.35	150.88	1.53	.002	.01
		- QZMZ: 1mm cl. shear zone axis at 10° to c. 0.5% PY Tr ASPY										B 100271	150.88	152.40	1.52	.060	.03
		- QZMZ: 0.5% PY Tr ASPY										B 100272	152.40	153.93	1.53	<.001	.02
		- QZMZ: + 30cm bleached Andesite Dyke 35° to c. ax.; 0.5% PY; Tr ASPY										B 100273	153.93	155.45	1.52	<.001	.06
		- QZMZ: 0.2-0.3% PY; Tr ASPY										B 100274	155.45	156.97	1.52	<.001	.05
		- QZMZ: 0.5% PYRITE; Tr HSPV. Low content at 30° to c. axis.										B 100275	156.97	158.53	1.56	.003	.01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
158.53	166.77	DARK GRAY SPECKLED ANDESITE DYKE w. 10% chl. and 20% ser. phyl. ? grains red for phen. 159.62-160.77 = Inclusion of SERIC. QZMZ Structure: minor contact 30° to c. axis; ? attitude of inclusion Local carbons mainly 20-45° to c. axis Alteration: Strong propylitic * Mineralization: Tr Py; mainly NONE	2	4	3	0	0	2	0	98.9								
166.77	176.28	MAINLY WEAKLY ALTERED QUARTZ MONZONITE CUT BY 5 SMALL (20-60 cm) ANDESITE DYKES Structure: Dyke contacts 25-30° to core axis. QZMZ is massive granular m. gr. (3mm grains) Alteration: Bleached matrix; wk. ser of plagi; K-spar = pink 173.67m - 174.67m = local strong ser. w. bleached K-spar Mineralization: Minor born. in ANDESITE (dissem. born.) E.O.H. = 176.78 m.	2	4	3	4	0	0	3	0	97.8							

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
45.68	53.50	Quartz-Feldspar Porphyry (central) - pale grey, local flow-banding, 3% Q eyes to 2mm. Indistinct feldspar phenos. Structure: Solid hard core. Minor sericitic shears. Alteration: Moderate sericite & clay. Mineralization: Trace pyrite. Irreg. py.-stib.-sphal. veinlet adjacent sericitic shear @ 47.3m. - Quartz Monzonite xenolith 48.9 - 49.6m - Dyke is pre-mineral	1	0	3	1	1	1	1	99	.8							
53.50	62.90m	INTERMITTENT BLACK BRECCIA ZONE IN QZMZ - black bands 1mm - 4cm thick w. QZMZ in between. Structure: Banding mainly 45-60° to core axis. Some banding 25° to c. ax. Banding at upper contact w. QEP ≈ 45° to c. ax. Alteration: Ground black pyrite-clay bands; Ser and Silic. QZMZ hosts Silic esp. strong Mineralization: Most PYRITE (figs. mainly in black bands). - QZMZ Bxa w. 25cm bl. bxa at beginning (contact). Bl. Bxa has 3% PY; remainder is barren - QZMZ Bxa TR. PY in black fract. - strong silic & mod. ser. - 10-15% Black Breccia with possible trace ASPY 3% PYRITE - 20-25% Black Breccia with possible trace	0	0	3	3	4	1	3	95	.8							
												B						
									1		.5	100752	53.54	54.41	0.87	.028	.02	
									1		.7	100753	54.41	55.87	1.46	<.001	.01	
									1		100.8	100754	55.87	57.40	1.53	.014	.03	
									1		77.8	100755	57.40	58.83	1.43	.024	.02	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		ASPY, banded. 5% PY.															
		- 20% Black Breccia; heavily faulted and sheared zone. Tr. ASPY 8% PY						1		96.7		100756	58.83	59.86	1.03	.022	.01
		- 42 cm. of bleached QZMZ with little to no mineralization. 5% Black Bxa; 0.5% PYRITE						1		100.9		100757	59.86	60.66	0.80	<.001	.01
		- 20% Black Bxa; sharp lower contact 80° to c. ax.; healed rx. 4% PY						1		95.8		100758	60.66	61.30	0.64	.007	.02
		- less than 1% Black Bxa; altered and partially bleached QZMZ. 0.3% PY						1		93.8		100759	61.30	62.88	1.58	<.001	<.01
62.89	69.33	SOUTH MARKER FELDSPAR PORPHYRY DYKE	0	0	0	2	0	1	0	98.7							
		- only 10-15% white, altered feldspar phenos.															
		- banding at lwr. contact ca. 60° to c. ax.															
		- matrix harder than steel.															
69.33	105.80	MAINLY SPECKLED ALTERED QUARTZ MONZONITE	0	0	3	2 1/3	1 1/2	2	5								
		Structure: Local 10-50 cm. sections of brecciation especially up to 77.20 m; then brecciation diminishes.															
		BLACK BXA 69.80 - 70.21 m.															
		Banding 30-60° to core axis															
		Alteration: Mod. Ser after plag.															
		Local bleaching and silicification up to 77.68 m.															
		Mineralization: 0.1 - 0.3% Py															
		Tr. Aspy.															
		- Sample at contact to 69.86 m =						0		95.8		100760	69.33	70.21	0.88	.046	.02

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		weakly Black, sulphide rich speckled QZMZ Remainder of sample = Black BxG. 10% PYRITE - 84.90m = 2cm. phyllic selvage w. <1% PY. @ 75° to c. axis. - 89.61m - 90.00m = 39cm. gray Q- carb. vined AND. DYKE. ~~Lower~~ contact 45° to core axis. Some fuchsite? - 91.08 - 91.51m = 43cm. of AND- ESITE DYKE running 10° up core axis. * - BEGINNING AT 95.26 m a zone of ⁵ ANDESITE DYKES BEGINS. DYKES contain < 0.1% pyrite; dykes well Q-carb. vined. 95.26 - 96.71m = AND DYKE 96.94 - 97.09m = 17cm of AND DYKE w. upper contact 10-15° to core axis. → At 96.05m = 56mm Q in at 75°? to c. axis w. 4cm phyllic selvage ctg. PY & Tr. ASPY * 97.61m - 97.95m = AND DYKE w. sharp upper contact at 10-15° to core axis * This means dykes *** are dipping at -15° or -45° South - 98.87m - 99.03 = AND DYKE - 100.15 - 100.60 = AND DYKE * SUMMARY of 89.61 - 100.60 = 7 small ANDESITE DYKES																

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		-100.60 m = brecciation begins but not yet into white silicification															
		* - irregular lower contact at $\sim 40^\circ$ to core axis															
105.80	119.36	HEALED SILICIFIED QUARTZ MONZONITE BRECCIA MARKER UNIT Structure: Healed breccia fragments commonly 1-5 cm as seen in other holes; frags "cemented" w. gr. sericite. Alteration: Strong silicification and bleaching of original QZM2. Mineralization: None. 112.55 m - 112.82 m = small AND DYKE Carb. veined w. some fuchsite? 113.96 - 114.11 m = small ANDESITE DYKE 115.0 - 115.35 m = 30% Black Bxa w. 1-2% PYRITE	0	0	3	0	4	1	1	95.65							
ASPY	*	118.75 m - 119.19 m. - <0.1% ASPY w. <1/2% PYRITE at end of zone ending in Black BXA shear 2-9 mm. at 35° to core axis at end of zone This would be the end of the Lower Zone MONZONITE FRONT 97-															
	*	29															
119.36	136.86	WEAKLY TO STRONGLY ALT'D QUARTZ MONZONITE CUT BY ANDESITE DYKES from 128.16 m to 134 m.	0	3/4	3	2	0	1/2	1/2	98.8							

[illegible]

$$\frac{97-31}{449'}$$

collar dip -31°

$$36\frac{1}{4} \rightarrow \underline{\underline{-29^\circ}}$$

$$35\frac{1}{2}$$

$$35\frac{1}{2}$$

$$35$$

$$37$$

$$37\frac{1}{2}$$

$$37$$

Logged By: T. Elliott (C. Kuntz → Sam)		Field Coordinates: 4452E, 2660N		725-01		Core Size: NQ												
Property: Goddell -		Survey Coordinates:		Drilled By: Caron DA		Hole Length: 216.10 m (709 ft)												
Target: East of 96-29		Azimuth / Dip: 142° / -49°		Assays By: L.S.		Downhole Surveys: Very poor												
Started: 07/01/1997		Claim: POP		Casing: H casing 4"		etch test w/ acid												
Completed: 10/01/1997		Carmacks Lab.		≈ 45 1/2														
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Hydric	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz/t	Ag g/t oz/t	
0.00	44.89	PRIMARILY PROPYLITICALLY ALTERED QUARTZ MONZONITE - coarse grained to medium grained - 3mm common size, equigranular - 7-10% chloritoid mafic - local zones of green sericitized plagioclase up to 60-70 cm in length, local - hornblende and biotite present, contact 20° to - bleached zones from 30-60 cm in length with remnant K-spar, irregular contacts ③ 37.34 - 43.79 - thermalized and cracked with pink quartz monzonite, Samples: ③ 43.79-44.89 - black breccia marker dyke w/ quartz monz. breccia host, 5% Q.M. in brecciated dyke, size 1mm-2cm, but some are larger, less than 10% Py	1	4 1/2	0	0	2	1	99	0.9								
												100278	43.79	44.89	1.10	0.010	.01	
44.89	58.26	NORTH MARKER Q.F.P. Structure: lower contact broken & unknown 10-15% angular fragments in mafic Alteration: Fragments altered 5cm in width to clay or sericite, mafic matrix Mineralization: None	0	0	2	3	0	0	0	75	0.7							
58.26	71.77	MIXED SERICITIZED Q.M. CUT BY BLEACHED ANFECTIVE DYKES Structure: lower contact banded 45°-1 ca	1/3	0	3	0	0	3	2	95	0.8							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		- well defined contact, 50% dyke, 50% host - veins are 25° to core axis Alteration: Strongly sericitized, fuchsite common in bleached andesite dykes, local brecciation at contact Mineralization: local black breccia pyritization of andesite dykes																
		Samples: (first 70cm sericitized Q.M. 4cm black breccia @ 25° t.c., lower 10cm of 100279 → } bleached andesite contains 50% degenerated pyrite in blebs up to 2mm across, overall 1-2% Py bleached andesite, healed black brx. fractures common, 100280 } clay on fractures, 25° t.c. plus running up & down core axis, crackle brx. strong, 3% Py same as above, however, 100281 } - 12cm of core contains 1% bright orange (cinnabar?) on fractures - soft orange streak - 50% bright green fuchsite (?) in 12cm section - filled in crackle brx. is white carbonate up to 2mm wide											100279	60.36	62.43	2.07	.002	.03
													100280	67.71	69.02	1.31	<.001	.02
													100281	69.02	70.40	1.38	<.001	.02
71.79	76.66	BUFF QUARTZ FELDSPAR PORPHYRY (POST MINERAL) 3-4 % 1-2mm quartz ehrs	0	0	0	3	1	0	1	97	0.8							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		Structure: lower contact 30° t.c.a. sharp with 4 cm black brx. Alteration: feldspar phenocrysts altered, matrix hard to lightly altered - very hard. Mineralization: trace of Py															
76.66	85.04	LOCALLY MINERALIZED Banded AND BRECCIATED RHYOLITE DYKE	0	0	3	0	1	1/2	3	97	0.8						
		Structure: lower contact 1/2 - broken shearing dyke contact with Q.M. approx 30° t.c.a. Alteration: moderate sericitic alteration, especially strong in Q.M. host Mineralization: weak veining, 2% disseminated sulfides overall															
		- crackle brecciated and flow banded dyolite, one black 15cm section w. 15% Py										B 100282	76.56	77.98	1.32	.010	.03
		- weakly mineralized flow overall 3% Py banded and crackle brx rhyolite										B 100283	77.98	78.94	0.96	.016	.01
		- S.O.S. rhyolite, 1% pyrite, overall sample trace ASPY needles; 80.30m = silicification										B 100284	78.94	80.47	1.53	.014	.03
		- 72 cm of strong py, sb, sl, plus some minor ASPY needles 3-4% sulfides w. fig. black sulphide										B 100285	80.47	81.99	1.52	.050	.17
		- 3/5 altered Q.M., 1/2 crackle brx dyolite										B 100286	81.99	83.52	1.53	.005	.04
		- 2-3% Py, trace ASPY needles										B 100287	83.52	85.04	1.52	.002	<.01
		- 3/5 rhyolite, 1/2 ser. Q.M., overall 0.5% pyrite, weaker zone															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
85.04	94.84	BLEACHED, SERICITIZED, BRECCIATED QUARTZ MONZONITE	0	0	4	0	3	2	2	95.7							
		Structure: lower contact with black brx 25-30° to c - sericitic fractures															
		Alteration: moderate to strong sericitic very bleached; local remnant pink K-spar															
		Mineralization: mostly weak i.e. less than 0.3% Py. except for one section 85.44m to 85.74m which has 3-4% Py ass'd w 10% black brx.															
		- 3% Py from 85.44 - 85.74m in Bl., Ser Q.M. Overall 1/2-3/4% Py										B 100288	85.04	86.56	1.52	.015	.02
		- Bleached, seric. Q.M.Z for all samples to underlying Black Brx										B 100289	86.56	88.09	1.53	<.001	.01
												B 100290	88.09	89.61	1.52	<.001	.02
												B 100291	89.61	91.14	1.53	<.001	<.01
												B 100292	91.14	92.66	1.52	<.001	<.01
												B 100293	92.66	94.18	1.52	.002	<.01
												B 100294	94.18	94.84	0.66	<.001	.01
94.84	99.53m	HEALED MYLONITIC BLACK BRECCIA - "lightly" mineralized.	0	0	3	3	3	0	3	95.6							
		Structure: 25% black myl. bands at 25-35° to c. axis. Lower contact sheared and green sericitic at 40° to core axis										B 100295	94.84	95.71	0.87	.003	.01
												B 100296	95.71	97.23	1.52	.023	.01
												B 100297	97.23	98.76	1.53	.035	.03
												B 100298	98.76	99.53	0.77	.030	.01
		Alteration: Healed black pyritic clay Mod. Ser & silic. in frgs															
		Mineralization: 2% (at?) pyrite overall To Aspy needles in last sample for 20cm, 25cm up from lwr. contact.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
99.53	111.96	SOUTH MARKER FELDSPAR PORPHYRY DYKE N.B - dyke is thinner? than expected. - post mineral w. 25% white feldspar phenos up to 5mm. long Structure: - lower contact broken. Alteration: Weak sericitization of centers of Spar phenos. Mineralization → NONE.	0	0	2	0	0	0	0	97.8								
111.96	121.82	UPPER MINZ'D ZONE of QUARTZ MONZONITE BRECCIA. Structure: Black bands up to 3cm. across Contacts 25-45° to c. axis. Commonly 30° Alteration: Strong SER. ; local strong silic'm Mineralization: Locally good; see descriptions below. - Healed black, silic. mylonite; 3% PY 1/4% Aspy needles in patches - Healed, mylonitic QZMZ BXA. - 1/2-1% PY; 7% to 0.1% ASPY needles in 2-3mm clusters. - QZMZ BXA. w. α 1-5cm VEIN of 20-30%? STIBNITE, 1% SL. plus PY and ASPY. 3% PY overall section w. some small (2mm) clusters of ASPY needles.	0	0	4	0	3	2	3/3	97.8								
													* B100299	111.96	113.16	1.20	.115	.04
													? * B100300	113.16	114.91	1.75	.008	.02
													* * 100301	114.91	115.85	0.74	.033	.23

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- QZMZ BXA w. 2-3% Py; Tr. - 0.05 % ASPY										B 100302	115.85	117.22	1.37	.005	.26
		$\frac{2}{3}$ AND $\frac{1}{3}$ QZMZ 2 x 2-5 mm Q vns @ 25° to core axis. ass ^d w. fuchsite-brq. AND DYKE. HIGH GRADE ZONE. 5-10% PY 1-3% ASPY.															
		- Barren Zone < 1/10% PY										B 100304	118.10	118.78	0.68	.004	<.01
		- } QZMZ. Low grade zone 1/10% PY.										B 100305	118.78	120.41	1.63	<.001	.02
		- } QZMZ. Low grade zone 1/10% PY.										B 100306	120.41	121.38	0.97	<.001	.02
		- QZMZ - dark gray 1/4% ASPY needles 2-3% PY.										* B 100307	121.38	121.82	0.54	<.001	.02
											RQD .6						
121.82	132.28	BARREN ZONE OF BLEACHED QUARTZ MONZONITE	0	0	4	0	3/4	0	2	95		B 100308	121.82	123.14	1.32	<.001	.02
		Structure: Local BXATION; 60 cm of dk gray phyllis alt'm beginning at 125.20 m.										B 100309	123.14	124.66	1.52	<.001	.01
		Alteration: Mainly Qtz-SER.										B 100310	124.66	126.19	1.53	<.001	.03
		Mineralization: No - 1/4% PYRITE										B 100311	126.19	127.71	1.52	<.001	.01
												B 100312	127.71	129.24	1.53	<.001	.01
												B 100313	129.24	130.76	1.52	<.001	.01
												B 100314	130.76	132.28	1.52	.005	.01
132.28	182.25	LOWER MINERALIZED ZONE	1/4	0	1/4	0	1/4	1/4	3	97.8							
*		LAST DYKE OF CRACKLED QTZ MONZONITE IN ZONE BY ALT'D ANDESITE DYKES.															
		Structure: Andesite dykes up to 3 m in length of intersection strongly veined. Contacts very IRREGULAR but 20-60 to core axis.															
		Alteration: Strong SER. - Q of QZMZ and strong carb. veining of ANDESITE dykes.															

Mineralization: see notes below!

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		- QZMZ - 1/4% ASPY NEEDLES								*	.5	100315	132.28	133.39	1.11	.113	.04
		- QZMZ BXA - Tr ASPY, PY									.7	100316	133.39	134.81	1.50	.006	.03
		- QZMZ " w. 50 cm. AND DYKE									.8	100317	134.89	136.48	1.59	.003	.02
		irreg. contacts; Fuchsite in AND. w.															
		tr. ASPY; 4cm black selvage in															
		QZMZ 5-7cm from luv. dyke															
		contact w. 3mm x 1-2% ASPY															
		- QZMZ w. 0.1% diss. PY; Tr. ASPY									.7	100318	136.48	138.03	1.55	.002	.02
		- Sparkled QZMZ; one 4cm And. dykelet						1			.4	100319	138.03	139.40	1.37	.003	.11
		in 50cm badly frad. rx; dyke 25° to															
		c. axis; one 2-4mm irreg. Q - Sb, Sz															
		vult running at 25° to c. ax.; 1/10% Py															
		Tr. Aspy.															
		- QZMZ - Black PY - Clay seams						0			.7	100320	139.40	140.70	1.30	.001	.10
		irreg running up core axis for 60															
		cm (1-3mm. wide) 0.1% Py; Tr. Aspy															
		- AND DYKE - MINERALIZED. w. 7-12						3	*	*	.9	100321	140.70	142.06	1.36	.069	.18
		cm. QZMZ on either end of section;															
		1-3mm Q - Carb vms (irreg) common at															
		all angles to c. axis; 1/41.04m = Q															
		vn (3mm) at 45° to c. ax. ORE GRADE															
		SECTION 3% Py 1-1 1/2% ASPY															
		- QZMZ - One 4cm selvage w. ASPY						1			.0	100322	142.06	142.95	1.39	.042	.01
		(<1%) around 3mm Q vn at 60° to															
		c. ax. Overall < 1/4% Py; Tr Aspy															
		- QZMZ BXA - ser 4 silic; 1 x 1mm						1			.0	100323	142.95	144.47	1.52	.002	<.01
		Q vn at 15° to c. ax. Tr 0.1% PY															
		- ANDESITE DYKE; broken upper cont.						4	*	*	.95	100324	144.47	146.00	1.53	.015	<.01
		STRONG Q - Carb vning and flooding															
		3% PY 1/2 - 3/4% ASPY OVERALL															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		(continuation)															
		- ANDESITE DYKE - same as B 100324 5% PY 1% ASPY "ORE"						4	X	X	.6	100325	146.00	147.38	1.38	.005	.04
		- QZMZ - AND BXA w. 4 chunks of AND MINZ'D totaling 30cm overall. 2 X 5mm Q - Sh ₂ S ₂ ± Sl veins at 55° to c. axis. ORE SECTION 3-5% PY 1-2% ASPY						*3	*	*	.8	100326	147.38	149.05	1.67	.254	.11
		- HEALED QZMZ BXA - Not ORE 0.1-0.2% Py Tr ⁺ ASPY.						1			.9	100327	149.05	150.57	1.52	.006	.06
		- QZMZ BXA cut by 2 veins of Q & QTZ - Sb - Sl 5mm across separated by 5cm; ass'd 25cm wk. phyllic selvage zone Overall 1.53m. 1/2% Py - 1% Py; <0.1% ASPY ? ORE - MARGINAL?						2	*	*	1.0	100328	150.57	152.10	1.53	.024	.03
		- MAINLY AND. DYKE (1.10m) w. QZMZ or either contact. Dyke is Qtz. and Q - Carb. veined; vns. brecciated (minor) and 25-80° to c. ax. 5-7% Py 1-3% ASPY + minor Sb ₂ S ₃ and Sl - ORE GRADE						*3	*	*	.7	100329	152.10	153.62	1.52	.469	.15
		- NEXT 3 SAMPLES = QZMZ BXA w. local phyllic alt ^m . NO VEINS OR DYKES (EXCEPT ONE! ^{ON CLOSER EXAMINATION})															
		- 1/2-1% PY; Tr. ASPY and Sh.						0			.9	100330	153.62	155.14	1.52	.006	.09
		- 1-2% Py; Tr - 0.05% ASPY; 3mm Q at 60° to c. ax.						1			.9	100331	155.14	156.67	1.53	.130	.08
		- 1% PY; Tr ASPY						0			.8	100332	156.67	157.96	1.29	.020	.05
		- AND. DYKE - irreg. contacts; 3 vns. 60 - 70° to c. axis; No 25° to c. axis; others irreg. pinch and swell. 3-7% PY; 1% ASPY PROBABLY ORE GRADE!						*4	*	*	.8	100333	157.96	159.64	1.68	.240	.07

From	To	Description - Lithology, Structure, Alteration, Mineralization 60°-90°	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		- 42cm AND DYKE WITH FLAT VEINS OF QTZ-SX (ABUND Sb ₂ S ₃ & SI) on either side and in dyke; 6 veins; 4 of which are 1cm (2 vns) or 1/2 cm (2 vns) 2-10% Py; 1/2% Aspy 1/2% Sb ₂ S ₃ ; 1/4% SI. ORE!					*	4	*	*	.8	100334	159.64	161.02	1.38	.681	.17
		- QZMZ BXA - Silicified; 1X 3mm Q - Carb. un at 60° to c. axis. 1/10% PY WASTE RX!						1			.9	100335	161.02	162.76	1.74	.023	.13
		- QZMZ BXA as above - 3 irreg. 60° to c. ax. vnts; 1/4-1/2% Py; Tr - 0.05% ASPY; Tr. Sb. 0.0X Au??						2			.9	100336	162.76	164.29	1.53	.129	.12
		- QZMZ BXA - Silicified Tr to 0.1% PY						0			.9	100337	164.29	165.24	0.95	.002	.02
		- ANDESITE DYKE plus 25cm QZMZ BXA Abund Carb vns. 1-2% Py 1/4-1/2% SI Some Fuchsite in bleached And.						4	*		1.0	100338	165.24	166.80	1.56	.004	.02
		- AND. Dyke w. 25-35cm QZMZ; And. black at ends and bleached in middle 3-5% PY 1/2-1% ASPY						3	*	*	.9	100339	166.80	168.25	1.45	.471	.08
		- QZMZ BXA Tr. PY Tr ASPY						0			.6	100340	168.25	169.41	1.16	.048	.02
		- QZMZ BXA - Weakly veined and mineralized; broken w. minor fault gashes (3cm); near beginning section = 1 1/2cm Q vns. w. SI - Aspy - Py at 45° to core axis. Also a 70° to c. axis (irreg) Q - Sb - SI vns. Overall 1/4-1/2% Py 0.1% Aspy (max.) Some Sb and SI						2	?	*	.4	100341	169.41	170.38	0.98	.140	.03
		- QZMZ BXA w. a 1cm. semi massive (25-50 sulphides) Sb ₂ S ₃ - SI vns at 55-70° to c. axis. 1/2% Py Tr Aspy plus Sb & SI.						2	?	*	.8	100342	170.38	171.41	1.03	.186	.17

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- MAINLY ANDESITE dyke w. 10 cm contact QZMZ. Upper contact 20° to core axis; 2-4% PY 1% ASPY → 2 x 3 mm vns 70° to c. axis. PROBABLY ORE!						* 4 *	*	*	.2	100343	171.41	172.82	1.41	.115	.02
		- Same AND Dyke bleached for 50 cm. and small 30 cm. dyke (AND.) nr. end of section; remainder = QZMZ 1/2-1% PY 0.1-0.2% ASPY Low grade?						2			*.5	100344	172.82	174.07	1.25	.056	.02
		- QZMZ becoming LESS BRECCIATED. Local (3) phyll. selvages to 4 cm across. One MASSIVE (50% Sp ₂ S ₂) - (Qtz) vns. at 65° to core axis. 1/4% PY; Tr. ASPY						2			.8	100345	174.07	175.13	1.06	.087	.03
		- QZMZ BXA cut by 5 cm. AND. dyke at 20-25 to core axis. AND. ± veined QZMZ NOT veined. AND. has most of the PY-ASPY in this sample. Overall 1/4% PY < 0.05% ASPY.						1/2			.8	100346	175.13	176.48	1.35	.002	.02
		- QZMZ BXA TR. PYRITE.						0			.9	100347	176.48	177.16	0.68	.009	.01
		- AND DYKE and phyllically - alt. QZMZ (40 cm section) AND dyke continues to next section (sample) for 179.43 m. Badly fract. zone for 25 cm? before 178 m. 2 Qtz vns (1 with sl.) at 45° to core axis. One vein is /cm across; 2-3% PY 1/2-1% ASPY * ± SL.						3	*	*	.5	100348	177.16	178.27	1.11	.296	.03

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		<u>Brecciated</u>																
		- ANDESITE DYKE - last major one in minz'd zone cont'd from last sample 2% PY 1/4% ASPY ? ORE ??? End of major minz'd						4	?	*	.8	100349	178.27	179.41	1.14	.170	.03	
		- QZMZ BXA w. 30cm black bxa at 30° to core axis. 1/4% Py Ti. 1% PY Tr. Sl; some fuchsite?; bl. bra has majority of Py & ASPY						0				.8	100350	179.41	180.87	1.46	.098	.01
NOTE FAULT GOUGE		* - QZMZ - well fractured; 2 vns of Q (30° to c. axis) Fault gouge 181.68 - 182.25 m (10cm). at 60° to core axis Qal - 2% PY						2				.3	100351	180.87	182.25	1.38	.005	.01
		- QZMZ - only minor brecciation. K-spar locally pink; plag → ser (green) Patchy dissemin. PY = 1/2%						2				.9	100352	182.25	183.80	1.55	<.001	.01
182.25	216.10	QUARTZ MONZONITE CUT BY OCCAS ANDESITE DYKE of 10-30cm except for 1 large dyke from 199.26 - 202.47 m. (fuchsite? abund. = 10-15% of rx) or ser (green) Structure: - Massive; cut by occas AND DYKES. Contacts all 25-35° to core axis. Alteration: Mod. Ser. of plag. K-spar salmon coloured! Mineralization: Fe PYRITE	1/2	0	3	1/2	0	1/2	1	100353								
		ENT: 216.10m (709 feet)																

2660N

Logged By: C. KUNTZ & T. ELLIOTT	Field Coordinates: 4452E, (approx) 925 m (el.)	Core Size: N/A
Property: GORDELL	Survey Coordinates:	Hole Length: 202.39 m (664')
Target: TEST BELOW 97-32 OR	Azimuth / Dip: 142° / -56°	Downhole Surveys: Etched acid test
Started: JAN. 12, 1997	Claim: POP	Assays By: Acme
Completed: JAN 14, 1997	Casing: H	- 52° at 664' (202.39)

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Siliceous	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	1.22m	CASING															
1.22m	52.90m	PROPYLITIZED MASSIVE QUARTZ MONZONITE Structure: Occasional Qtz. vns up to 1 cm across (max) at 90° to core axis. Bl. Bxa banding 30° to core present. Alteration: Mafics chloritized and 10-15% content; plagioclase weakly sericitized. 35.53m From 35.53m, mafics are bleached to contact w/ remnants of mafic-rich ex. occasionally. Mineralization: Weak disseminated py; usually < 0.1%. 51.96-52.90m = Contact brecciation w/ some bl. bxa. (15% by area or vol.).	0	4	1	0	0	2	2	79	85						
52.90	72.45	MARKER DYKE = NORTH QUARTZ FELDSPAR PORPHYRY. - "typical unit" - fresh - banding at lower contact 20-30° to core axis.	0	0	0	0	0	0	0	0	79	8					
72.45	80.66	MIXED SERICITIZED QUARTZ MONZONITE CUT BY BLEACHED ANDESITE DYKES - see 97-32, 58.26-71.79m. Structure: Black bxa bands at contact (upper); 4 cm pl. bxa in 50 cm core. First veined and bleached AND	?	0	3	0	0	0	0	1	75	85					

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		DYKE from 72.90m - 74.37m. Contains 5% fuchsite (?) overall. Second dyke has upper contact at ca. 30° to c. axis. And. dyke only 20cm long beginning at 76.98m. Alteration: JQZMZ speckled Plagi. sericitized; K-spar pink to more commonly white; mafics bleached. Fuchsite (?) in both AND. DYKES as previously des- cribed. Mineralization: Overall Tr. PY.															
80.66	85.35	BLUFF QUARTZ FELDSPAR PORPHYRY - as described in hole 97-32 - upper contact ca. 40° to c. axis and sharp. - lower contact bl. bxa at 30° to core axis.	0	0	0	2	0	1	0	95.9							
85.35	89.19	BLUFF, BRECCIATED RHYOLITE DYKE as described in DDH 97-32. - lwr. contact brecciated and 15° to core axis. - crackle brecciation. - Tr ASPY, PYRITE * Note that this may be the same pre-mineral / mineralized dyke as found in DDH 96-28 (Just an idea!) - local black bxa in dyke.	0	0	2	0	1	1/2	2	95							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- Cracked Rhye w. 10% bl. bxa. Minor Pyrite										100353	87.89	89.25	1.36	.003	.02
89.19	111.07	BLEACHED, SERICITIZED and/or SILICIFIED QUARTZ-MONZONITE BRECCIA as from 85.04-94.84m in hole 97-32. For structure, alt'n and min'n see details below. All sections QMZ BXA except / small And. Dyke noted.	0	0	4	0	4	1	2	93.7							
		- Speckled & bleached; mod ser & silic Tr. PY (dissem). → some Q. v. frags *										100354	89.25	90.67	1.42	<.001	.02
		- 3cm bl. bxa @ 10° to core axis and look like it is 15cm thick; ctg. 3%? dissem. frgs. PY; 2/3 of speckled QMZ BXA ctg. pyrite in black 3mm specks and irregular stringers & patches. 2% PY overall										100355	90.67	92.09	1.42	.071	.08
		- ser. runs up core axis along irreg. fract.; strong bleaching; 3% PY in first 20 cm. then 1/4% PY. OVERALL 1/2% PY.										100356	92.09	93.37	1.28	.008	.02
		- Q - pink k-sper - Ser QMZ BXA; 0% PY										100357	93.37	94.98	1.61	<.001	<.01
(Str)		- 4% Bl. Bxa at 30° to c. axis; 1/4% PY										100358	94.98	96.57	1.59	<.001	.01
		- Section includes 64cm of AND- ESITE DYKE BXA Contact ≈ 35° to c. axis. CTGS (Dyke) / mm.										100359	96.57	97.52	0.95	<.001	.01
		* irreg. bright ORANGE stringers minor fractured in dyke. 1/4% PYRITE															
		- 15% Bl. Bxa changing 10° up core axis. GOOD PYRITE = 2-3%.										100360	97.52	98.76	1.24	.029	.05

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- only 1 cm. Bl. Bxa at 10-15° to c.a.										100361	98.76	100.28	1.52	.003	.02
		* (ca) Dipping SOUTH 1/2° PYRITE; locally "some" Fuchsite(?); Tr. Sl.															
		- abundant black fractures; 0.1% Py Tr. Fuchsite(?) in irreg. short fractures										100362	100.28	101.80	1.52	<.001	.01
		- Some py stringers; 1/4% PY.										100363	101.80	103.33	1.53	<.001	<.01
		- Strong Bxation; str. up core axis at 10°; strong Ser. Tr. - 0.2% PY.										100364	103.33	104.85	1.52	<.001	.04
		- ONLY 80-83% RECOVERY in Strong Bxation; 1 tiny 1mm Q vn at 30° to c-axis; Tr. PYRITE										100365	104.85	106.38	1.53	<.001	.01
		* - narrow ZONE OF FAULT GOUGE (CLAY) in bottom HALF OF SECTION Tr. PYRITE; Fract. ca 30° to c-axis										100366	106.38	107.90	1.52	<.001	<.01
		- 20% of SECTION IS FRACTURE ZONE w. minor gouge (FAULT). Rx = mixture of Q - Ser - K-spar (pink) TR. PYRITE										100367	107.90	109.42	1.52	<.001	<.01
		- as for section above, except Q-Ser rich zones mingle with Q-Ser-K-spar zones TR. PY.										100368	109.42	111.07	1.65	<.001	<.01
111.07	122.39	HEALED MYLONITIC BLACK BRECCIA - see log of hole 97-32 for details of str. pat'n & minz ^m Minz ^m described in samples below. Bandings is 10°, 20° and 30° to core axis (healed shear = mylonite)	0	0	3	4	2	0	3	75.7							
		- Strong Bl. Bxa. Minor lenses of Sb ₂ S ₃ (?) - scitile; 1-2% PY.										100369	111.07	112.47	1.40	.009	<.01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- Mixed Bl Bxa and SER. QZMZ BXA. Tr. Cpy? 2-3% PYRITE										100370	112.47	114.00	1.53	.026	<.01
		* Slickensides on at 10° to core axis shear but are perp. to axis of core; (6) near horizon on 10° to c.g. shear.															
		- BXA medium gray mylonite. <1/2% PY										100371	114.00	115.52	1.52	.004	<.01
		- more " " than Bl. Bxa; Shear banding 15° to c. axis; Tr. SP < 1/2% PYRITE										100372	115.52	117.05	1.53	.028	.30
		At end of sample = vuggy, 1 cm shear at 55° to c. axis.															
		- 50% Bl. Bxa. - 50% SER. QZMZ.										100373	117.05	118.57	1.52	.021	.02
		* BXA Tr. ASPY in kpm. - 2% PYRITE															
		- 60 cm Bl. Bxa. 1-2% PYRITE										100374	118.57	119.13	0.66	.020	<.01
		- Mainly Q-Ser QZMZ BXA; 2-3 cm. Bl. Bxa at 15° to c. axis.										100375	119.13	120.09	0.96	.011	.03
		- Strong Bl. Bxa w. 60% QZMZ frags.										100376	120.09	121.62	1.53	.017	.01
		* 2 1/2 cm x 1 cm lens of STIBNITE															
		1-2% PYRITE															
		- Bl. Bxa. w. one 3 cm x 3 cm angular siliceous frag. 1-2% PYRITE										100377	121.62	122.34	0.72	.036	.06
122.34	135.05	SOUTH MARKER FELDSPAR PORPHYRY DYKE	0	0	2	0	0	0	0	0	78.8						
		- cf. Hole 97-32 99.53 m - 111.96 m															
		- description same as DDH 97-32.															
		* - LOWER CONTACT 50-55° to core axis.															
135.05	143.32	BARREN ZONE OF BLEACHED QUARTZ MONZONITE	0	0	4	0	4	0	1	7.7							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		Structure: STRONG BXTATION AND FRAGS. HEALED W. SERICITE Alteration: Q-Ser. (K-spar) frags cemented w. sericite of H ₄ SB? Mineralization: Tr. Hem(?) - bright orangeish red on it reg. frach.																
143.42	175.96	(LOWER) MINERALIZED ZONE OF CRACKLED QUARTZ MONZONITE CUT BY ALT'D ANDESITE DYKES Structure: 2 major ANDESITE DYKES AND many small ones < 30cm Larg. cutting QZMZ *N.B. ZONES of Bl. Bxa. Alteration: As in DDH 97-32, strong Ser and Silic'm of QZMZ and strong carb veining of ANDESITE dykes. Mineralization: see notes on samples below.	1/4	0	4	0	3	3	3	99.7								
		- Bl. Bxa starting at 15° to core axis. 1/2% PY						0				B .8/100378	143.42	144.48	1.06	.008	<.01	
		- Bl. Bxa - 15% Bl. bands 1% PY						0				.9/100379	144.48	145.46	0.98	.010	.03	
		- 70% SOLID BL. BXA 2% PY - occasional alt ^d QZMZ frag. mineralized.						0				.9/100380	145.46	146.00	0.54	.037	.05	
		- 8cm Bl. Bxa at contact with (25% c. ax) ANDESITE DYKE (abund. /mm Q- * carb. veins) 1 X 3mm Sb? - SIL vein at 60° to core axis 1% PY 1/4% ASPY						4		*	.8/100381	146.00	146.96	0.96	.010	.02		
		* Aspy - mmz ^d frag. in Bl. Bxa. * 2 Bl. Bxa post mineral (ASPI). AND ctgs. 5% (?) fuchsite (?)																

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		- Minz'd (phyllitic) QZMZ; selvages ~ 2cm; and 1/2cm clots w. ASPY 1% PY 1/4% ASPY						3	*	.7		100382	146.96	148.35	1.39	.006	<.01
		- Minz'd QZMZ w. 2" major Qtz. vns. 0.7cm and 10cm. ca 90° to core axis and 0.4cm. 3% PY 1/4-1/2% ASPY * GOOD SECTION! Looks much like minz'm in "96-30."						3	*	.8		100383	148.35	149.87	1.52	.096	.06
		- Speckled Minz'd QZMZ. 1-2% PY 0.1-0.2% ASPY						2	*	.5		100384	149.87	151.24	1.37	.054	.01
		- Small 15cm. AND. DYKE at beginning of sample; then speckled QZMZ; locally good phyllitic alt ^d & minz'm. 3% PY 1/2% ASPY						3/3	*	.7		100385	151.24	152.53	1.29	.171	.01
		* - HIGH GRADE ANDESITE DYKE Both contacts 15° to core axis. HEAVY w. sulphides 10% Py 3% Aspy? Definitely ORE GRADE (no fuchsite)						3	*	.85		100386	152.53	153.86	1.34	1.120	.28
		- Speckled QZMZ 1/2% Py Tr. ASPY						1/2		.9		100387	153.86	154.46	0.60	.007	<.01
		- MINZ'D ANDESITE DYKE at 15° to c. axis. 1% PY 0.1% ASPY						2	*	1.0		100388	154.46	154.95	0.39	.004	<.01
		- ALT ^d QZMZ w. minor bl. bxs in first						1		.9		100389	154.85	155.71	0.86	.008	<.01
		13cm / slip plane 35° to c. axis; WK PYRITE						1		.85		100390	155.71	157.32	1.61	.142	.02
		- 15% = Speckled QZMZ; very ASPY 85% well brated alt ^d QZMZ; minor fault gouge. Overall Tr Aspy MOD PYRITE (blebby)						3/4	*	.8		100391	157.32	159.40	1.08	.002	.01
		- AND DYKE w. irreg. upper contact and well defined lwr. contact 45° to c. axis. First 47cm. Strong ASPY VERY STRONG PYRITE															

Logged by
Chris Kuntz
Secc. T. Elliott

FOR PYRITE → WK = up to 0.2% Py; Moderate = 0.2-0.5% Py and Strong = .5%-1% Py
Very Strong = +1% Py Page 7 of 11

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		10cm w. ASPY at bottom of sample.															
		- Alt'd QZMZ w. 10cm. phyllic selvage surrounding 1cm Qtz. vein 80-85° to c. axis. w. Tr. Sl. vuggy OVERALL: Very strong (9%) PY. ASPY. Gradational lwr. contact. 10-20% Stib. 23.						3				.9100392	158.40	159.60	1.20	.156	.03
		- 12cm wide Qtz - Stibnite - Aspy - Sl vein at 80° to c. axis. Phyllic flooding above and sharp lwr. contact STRONG PYRITE						4 *				.7100393	159.60	159.92	0.32	.314	.88
		- Alt'd QZMZ; lwr. contact curved at 30° to c. ax. Tr. ASPY needles in small patches (AND) STR. PYRITE Minor bxation.						0				.9100394	159.92	160.66	0.74	.013	.04
		- Mainly ANDESITE DYKE (50%). First 30cm = healed fault at contact between QZMZ & AND w. bl. bxa infilling; gradational lwr. contact w. vein; minor phyllic alt ~ 10% PY. overall. Tr Aspy in bxted zone.						1/1				.85100395	160.66	162.48	1.82	.009	.04
		- 1 very str. phyllic alt section ca. 15cm long and 1 wk phyll. sec in 5cm in width. Tr Aspy. STR. PY (10%).						4 *				.95100396	162.48	163.21	0.73	.374	.27
		- QZMZ w. mod. phyllic alt ~ (gray). Tr sphalerite (dissem.); ser-filled veins. 1-2% PY; lwr. contact well defined at 45° to c. ax (w. AND dyke). NO ASPY. Tr. Stib (?)						3				.9100397	163.21	164.67	1.46	.139	.25
END of																	

C. KINTZ
Logging

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
T. Elliott																	
Logging		60% QZMZ + 40% Veined ANDESITE DYKE which is Bxated. 25cm phyllic selvages total in QZMZ. One 5mm Qtz. vein at 70° to c. axis. 5-10% speckled fuchsite(?) grains in ANDESITE 2% PY (GOOD ASPY) 1/2-3/4% ASPY (in patches)						3	*	*	.5	100388	164.67	166.23	1.56	.178	.35
		Mainly QZMZ w. 1 X 2cm phyllic selv. Up to 25cm of frags. of ANDESITE DYKE 1% PY 1/4% ASPY						7/8	*	*	.7	100389	166.23	167.01	0.78	.060	.01
		QZMZ w 6cm "chunk" of AND. DYKE - minor phyllic selvages; 1cm brated Q-carb vein 1/2% PY 0.1% ASPY especially in the AND "CHUNK" w. fuchsite(?) specks						2	*	*	.8	100400	167.01	167.94	0.93	.065	.01
		QZMZ - crackle brated by AND dyke below 1/2% Py Tr - 0.05% ASPY						1			.9	100401	167.94	169.38	1.44	.001	.01
		ANDESITE DYKE c/a 7% diss. fuchsite(?) 1% PY 1% ASPY. 1mm Q-vein at 70° to c. axis w. 1cm. min z'd selvage						3	*	*	.8	100402	169.38	169.90	0.52	.219	.01
		CRACKLED QZMZ 1/4% PY Tr. ASPY.						0			.8	100403	169.90	171.60	1.70	.004	<.01
		QZMZ w. 0.1-0.2% Py Tr. ASPY. At 177.93 a shear fracture at 30° to core axis						2			.8	100404	171.60	173.12	1.52	.022	<.01
		CRACKLED QZMZ w 15% Black Bxa 1/2% PY 1/4% ASPY esp in Bl. Bxa.						2			.7	100405	173.12	174.52	1.40	.282	.01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- QZMZ - speckled, sericitized; abundant black fract; 1 X 2cm bl. box shear at 40° to c. axis. 1cm barren boxed Q. v. at 175.10m. 1/4% PYRITE						2			.5	100406	174.52	175.99	1.47	.018	<.01
175.96	202.37	ALTERED QUARTZ MONZONITE CUT BY UNMINERALIZED ANDESITE DYKES.	3/4	0	0	0	0	1/2			1	98.8					
(FAULT ZONE)		Structure: Fracture and shear zone (narrow < 5cm) zones of gouge from 176.49m - 177.05m. and fracture zone with minor gouge from 178.52 - 179.53m. strong propy. Alteration: Mixed Bleached (w. white clay alt ³ plag) to weak propy. w. zones of mod. seric alt ² . Mineralization → Tr. Py															
		- QZMZ incl. shear and fract. zone; bleached; 1/4% PYRITE						2			(.2)	100407	175.99	177.78	1.79	.008	<.01
		- QZMZ - massive between fract & shear zone; except for first 20 cm of bleached QZMZ; remainder is sericitized w. Tr - 1/4% PY; contact between alt'h zones ca. 15° to c. axis.						0			1.0	100408	177.78	178.52	0.74	.003	.01
		- QZMZ incl. fract. zone. Mod. seric. alt ² ; 1 frag. of 6 mm. Q. v. running down core w. Tr. PYRITE						2			.3	100409	178.52	179.75	1.23	.009	<.01
		- QZMZ - bleached, strong propy. alt ² except 25cm mod. ser. 13 X 1mm - 7mm Q. v. at 20-40° to c. ax. Tr PYRITE						2			.8	100410	179.75	181.05	1.30	.004	<.01

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Logged By: <u>W.D. Mann / T.M. Elliott</u>		Field Coordinates: <u>4452E, 2660N</u>		725m el.		Core Size: <u>NQ</u>											
Property: <u>Goddell</u>		Survey Coordinates:		Drilled By: <u>Caron D.D.</u>		Hole Length: <u>734' = 223.72m.</u>											
Target: <u>Below 97-33B at depth</u>		Azimuth / Dip: <u>142° / -61°</u>		Assays By: <u>Acme</u>		Downhole Surveys: <u>Acid Test</u>											
Started: <u>Jan. 14, 1997</u>		Claim: <u>POP</u>		Casing: <u>4'</u>		AT <u>213.05 m (699') = -57°</u>											
Completed: <u>Jan. 18, 1997</u>		Analytical															
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
0	1.22	Casing															
1.22	36.70	Quartz Monzonite - typical, weak alteration Speckled pink, green, grey. Black mafics common. Structure: Solid, hard core. Narrow sericitic shear/veins 65°-85° ±. Alteration: Weak sericite (-carbonate-clay), stronger near shears. Mineralization: Abundant hematite, magnetite common. Q-carb.-(py.)-ser. shear veins common.	2	2	2	1	0	2	1	99	.9						
36.70	59.80	Quartz Monzonite - mod. sericitic alteration - pale pink, green - bleached Structure: Solid, hard core. Sericitic shears common at low ±, ~ // to c.a. 510-530m Alteration: Moderate sericite, strong near shears. Ser. (clay-carbonate). Mineralization: Hematite abundant. Rare pyrite. Rare veins except Q-py.-carb.-ser. vein 35° ±, 59.4-59.8m. Trace sl.(?) grey sulphides, trace fuchsite.	2	0	3	1	1	2	1	99	.8						
			2	0	3	1	3	4	2	99	1.0	100761	59.40	59.80	0.40	.035	.03
59.80	61.80	Rhyolitic Quartz-Feldspar Porphyry - flow banded - pale grey, green - premineral Structure: Solid, hard core. Contacts & flow-banding ~ 30° ±. Alteration: Mod. sericite-Q-py.-(clay) Mineralization: Weak Q-py. veinlets	1	0	3	1	3	1	2	99	.7						

Page 2 of 9

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		For STR, ALT'N & MINZ'N see highlights of each section itemized.															
		85.48 - 88.75m = Fresh Central QFP									.9						
		Lower contact 40° to c. axis. Banding for 1 m from upper contact at 40° to core axis. In banded section, some hair-line Q vns running 10° to core axis.															
		88.75m - 94.45m = Locally well fract. Speckled Andesite Dyke containing Xenoliths of Sericitized QZMZ									.4						
		From 88.75 - 89.15m, 91.88 - 92.35m, and 93.57 - 94.09m.															
		AND. strongly randomly-oriented gash-veined; Locally 3-4% green fuchsite (?). Tr. dissem py up to 0.1%; carb and carb-Q vnts.															
		94.45 - 97.30m = Central QFP.									.6						
		Upper contact clay-sheared at 60° to c. axis and lower contact healed shear at 35-40° to core axis.															
		97.30m - 98.99m = Str. propyl. to mod. seric. QZMZ. - no clay (usually white). Lower contact 45° to core axis w. banded Central QFP.									1.0						
98.99	131.00	CENTRAL QUARTZ-FELOSPEAR PORPHYRY	0	0	1	3/3	0	1/2	0	98.0							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
		<u>Structure:</u> Massive QFP but locally flow banded at 10-15° to c. axis; lower contact irregular but sharp along a black shear (healed) at 10-15° to the core axis.															
		<u>Alteration:</u> Fresh Qtz eyes (4%) and clay altered white feldspar phenos up to 5mm, but more commonly 2-3mm. across. Some ser. on frst.															
		<u>Mineralization:</u> None.															
131.10	139.36	<u>ALTERED and BRECCIATED QUARTZ MONZONITE.</u>	0	0	4%	9%	1	2	93.5	B							
		* NOTE: This hole has a very short zone of black breccia here!															
		BLACK BXA - 10% of rock from 130.76m to 133.81m.															
		<u>Structure:</u> Bl. Bxa banding commonly 15° and 40° to core axis.															
		136.69m = 6cm fault gouge at 20-25° to core axis.															
		Lower contact w. S. QFP broken!															
		<u>Alteration:</u> Strong sericitization throughout. Mod. to Str. silicification after bl. bxa zone from 133.81m to 137.22m.															
		Non magnetic patterned black mineral (2-4%) gives rock a speckled medium gray/pink in last sample before lower contact.															
		<u>Mineralization:</u> Overall Tr - 1/2% PY.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
139.36	154.51	<u>SOUTH (QUARTZ) FELDSPAR PORPHYRY</u> <u>MARKER DYKE</u> - 20-25% mainly altered feldspar phenos up to 5mm long (includes pink K-spar << plagi) and 1-3% 2mm Qtz eyes; also - 3% alt ^d mafics (completely bleached but length [3mm] = 3X width: ? hbd??) <u>Structure</u> : not a distinct attitude on either upper or lower contact. Colour (alt ^m) banding at lower contact = 25° to core axis. <u>Alteration</u> : Local (up to 50cm) zones of strong sericitization or silicification (with phenocryst texture destruction); other-wise, weak clay-ser. alt ^m of plagi. and mafic bleaching. At the upper contact is strong green (soft) alt ^m of matrix for 20cm and at lower contact for 80 cm. <u>Mineralization</u> - NONE noted.		2%	4%	1/3%	4%	3%	0		79.85							
154.51	161.75m	<u>MARKER QUARTZ-SERICITE</u> <u>-K-FELDSPAR - WHITE FELDSPAR</u> <u>BRECCIA ("Bleached" Zone or Barren Zone)</u> <u>Structure</u> : Strong brecciation; milled sub-angular to subrounded frags healed w. sericite. Healed shearing at lower contact 45° to core axis. <u>Alteration</u> : Strong Sericite plus Q-spar granular frags bleached looking	0	0	4	0	3/4	3	0	95.7								

↓
SERICITE
"VEINS"
or shears.

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ	
166.75	196.29	<u>MINERALIZED ZONE OF ALTERED QUARTZ MONZONITE WITH SPARSE ANDESITE DYKES</u> <u>Structure:</u> Bl. Bxa for 1m. at upper contact. Andesite dykes begin at 165.27m and continue to 191.3m. Very shallow angles of dykes to core axis are typical (avg 5-15°) sometimes core runs down a dyke - QZMZ contact. <u>Alteration:</u> Mainly moderate to strongly sericitized QZMZ. Mixed brecciation and massive QZMZ. Local 15cm - 60cm zone of strong SILICIFICATION ("Bleached" QZMZ). Fract. with ser or black clay common. to moderate. <u>Mineralization:</u> Generally weak pyritic - See notes below for variations.	0	0	4	0	0	0	0	95.8								
		- QZMZ cut by 5% Bl. Bxa; 20cm from top of section = 6cm thick brecciated Q un. m. PY. at 45° to c. ax. Patches of phyllic alt'n. Sample ends in 4-5 cm ANDESITE DYKE at 30° to core axis. Overall 3% PY Tr. ASPY.						1/3	4			B 9100770	166.75	163.49	1.84	.113	.03.	
		- QZMZ BXA. → STR. SER. ALT'N. 1% PYRITE Tr - 0.05% ASPY 1cm patches (sparse) of ASPY needles						1/2				10100771	163.49	165.16	1.67	.002	.02	
		- QZMZ - AND. DYKE & BLACK BRECCIA in equal amounts - irregular lower contact approx. 30° to c. ax. ending at andesitic dyke 2-3% PY. 6% ASPY						2	*	*		9100772	165.16	166.57	1.39	.119	.07	

A Good section! Tr sphalerite (Sl.).

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/g oz	Ag g/g oz
		- QZMZ BXA w. 5% Black Bands parallel to or up to 15° to c. axis.						1/2			.7	100773	166.57	167.41	0.84	.098	.12
1 us	2 more	fibrite vng. wide															
2 mm.		- Phyllic alt. zones in QZMZ plus 35 cm. ANDESITE DYKE @ 45° to c. axis.						4			*1.0	100774	167.41	168.36	0.95	.234	.11
cutting		QZMZ = 7 cm Q-S ₂ S ₃ vng @ 75° to c. a. 2% PY 0.1% ASPY.						2			.8	100775	168.36	169.92	1.56	.025	.09
		- QZMZ BXA and wk to mod. phyll. alt. for section; some patches of ASPY needles common. 0.3% PY 0.1% ASPY						0			.7	100776	169.92	171.47	1.55	.002	.05
		- QZMZ crackle bxa; STR. SERICITE. Rare small patches of ASPY needles or fibr. PY; 1/4-1/2% PY Tr. ASPY.						2			.9	100777	171.47	173.17	1.70	.089	.12
		- QZMZ crackle bxa; one 4 cm. Q vng. @ 70° to c. ax. w. 6 cm phyllic selvage. w. S ₂ S ₃ & Si. 1/2% PY 0.03% ASPY						3			.6	100778	173.17	174.66	1.49	.002	.03
		- QZMZ: locally crackled; Dissem. PY &/or ASPY 1/2% PY 0.07% ASPY						1			.6	100779	174.66	176.48	1.82	.003	.03
		- QZMZ w. tr. ASPY needles throughout. 1/2% PYRITE						2			.5	100780	176.48	178.00	1.52	.002	.05
		- Speckled QZMZ; for first 30 cm = 1-2 mm clusters of ASPY needles; Tr in remainder of sample. 1% PY 0.02% ASPY						1			.9	100781	178.00	179.53	1.53	.030	<.01
		- QZMZ - Locally Bxated. 2x 30 cm sections. 1/2% PYRITE Tr. ASPY Minz ^{ss} disseminated.						2			.8	100782	179.53	180.44	0.91	<.001	.02
		- QZMZ - BLEACHED AND STRONGLY SILICIFIED; several 4-5 cm long frags. of andesite 0.2% dissi PY Tr. ASPY															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- QZMZ BXA w. 50% Str. Phyllic Alt'm. 1cm solid stibnite vn? ca. 1 to core ax? 1-2% Py 0.1% ASPY						2	*	.7	100783	180.44	181.11	0.67	.200	.26	
		- ALT QZMZ BXA. Disseminated mineralization 1/2-3/4% Py 0.1% ASPY						0		.8	100784	181.11	182.69	1.58	.029	<.01	
		- QZMZ BXA ending in 40cm silic. banded BXA 1/2% diss. PY; 0.05% ASPY						2		.9	100785	182.69	184.10	1.41	.001	<.01	
		- ANDESITE DYKE (90%) w. contacts 10°-15° to c. axis. 2-3% PY 2+3% fuchsite? 0.05-0.1% ASPY						4	*	.7	100786	184.10	185.62	1.52	<.001	<.01	
		- First 40% of sec'm = QZMZ BXA. Then 60% of sec'm = all ANDESITE BXA w. 3% fuchsite(?) 1% PY Disseminated 0.05% ASPY						3		.8	100787	185.62	187.15	1.53	.002	.07	
		- QZMZ BXA. 1/4% Diss. PYRITE						1		.9	100788	187.15	188.51	1.36	.003	.33	
		- QZMZ - AND (5%) → running down dyke contact. - All BXA! 1.5% Py 1/4% ASPY esp. concentrated in ANDESITE						2		.9	100789	188.51	190.20	1.69	<.001	.02	
		- ALT QZMZ BXA. 1/4% PYRITE						2		.8	100790	190.20	190.95	0.75	<.001	.04	
FAULT *		- QZMZ BXA in FAULT ZONE Strong MINZ'N IN PHYLIC ALT'N FOR FIRST 60 CM. ZONE ENDS IN BANDED BLACK BXA. FOR LAST 40 CM; 8% to c. axis. OVERALL 3-5% PY? 1% ASPY GOOD ZONE!						3	*	.4	100791	190.95	192.66	1.71	.301	.11	
		1 x 5 mm Q vn w large phyllic selvage at 65° to c. axis.															
		* - QZMZ w. phyllic alt'm.						3	*	.5	100792	192.66	194.16	1.50	.245	.04	

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Logged By: <u>C. Kuntz, W.D. Mann</u>	Field Coordinates: <u>4451E, 2661N, 925m el.</u>	Core Size: <u>NO.</u>
Property: <u>Goddell</u>	Survey Coordinates:	Hole Length: <u>609' 185.62m</u>
Target:	Azimuth / Dip: <u>161° / -50°</u>	Downhole Surveys: <u>acid @ 609' - 44.5'</u>
Started: <u>18/01/97</u>	Drilled By: <u>Caron D.D</u>	
Completed: <u>20/01/97</u>	Claim: <u>POP</u>	Assays By: <u>Acmetab</u>
	Casing: <u>11-Casing, 4 ft</u>	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phylite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
0.00	1.22	CASING															
1.22	40.02	PROPYLITICALLY ALTERED Q.M.	1	4	2	0	0	2	1	99	0.9						
		Structure: coarse grained to medium equigranular 3mm wide phenos															
		Alteration: 30-80 cm bleached zones with remnant K-spar															
		Mineralization: trace pyrite throughout entire unit															
		Comments: lower contact is 45° tea, with 7cm quartz vein and black brx from 39.49 to 40.02, trace Sb and 1. brown sphalerite - tr py.															
										.580	0.6	100411	39.49	40.02	0.51	.024	.03
40.02	53.03	NORTH MARKER Q.F.P DYKE	1	0	2	2	0	1	0	95	0.9						
		Structure: sharp but irregular lower contact 50° tea, 10-15% angular fragments in mafics minor crackling, homogeneous															
		Alteration: clay altered to sericite in mafic coloured matrix															
		Mineralization: none															
53.03	68.10	MIXED SERICITIZED Q.M. CUT BY BLEACHED ANDESITE DYKES	3	0	3	0	0	3	2	95	0.8						
		Structure: irregular lower contact 50° tea at pititized fault zone 5cm wide															
		Alteration: sericitized with tr. fuchsite (40% andesite, 60% altered QMZ)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ	
		Mineralization: 5% Py in andesite very mafic zones, tr. sphalerite, no ASPY needles							2	90	0.9							
		Comments: @ 58.95 - calcite vein 1cm wide with black brx																
		@ 59.75 - 85.26 strong black brx.																
		@ 53.92 - 85.26 possible anomaly 5-10% Py total							7	90	.9	100412	53.92	85.26	1.32	.003	.04	
68.10	74.44	MIXED Flow BANDED FELDSPAR PORPHYRY DYKE ANDEBITIC DYKE (PARTLY HEALED FAULT?) Structure: gradational lower contact 30-40° to core axis, 1cm - 10cm flow space Alteration: sericitized with clay rubble Mineralization: ASPY needled andesite zones, rest of rock barren	1	0	3/4	3	1	2	2	85	.8							
									*	8	85	0.7	100413	70.80	71.58	0.78	<.001	.06
74.44	78.20	FLOW BANDED POST MINERALIZED QFP DYKE (BRECCIATED)? Structure: sharp lower contact 30° tea. with flow banding spaced .1mm - 1cm 20° tea Alteration: fresh rock with minor crackling Mineralization: 20-30 cm of black brx with tr. Py. very strong, ASPY? Comments: - very strong flow banding - sample most of unit to check for possible gold values in black breccia	0	0	2	1	3	1	tr	95	.9							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
		Sample Descriptions: - @ 76.10 1cm solid black brx vein, contact 15-20° t.c.a.							5	85	7	100414	75.36	76.64	1.28	.003	.01
		overall 100% black brx, Tr ASPY							>1	100	.95	100415	76.64	78.20	1.56	.002	.01
		- strong banding, large Qz veins 2cm wide, v. hard rock, H=4 to 5, silicious							tr	90	.9	100416	78.20	78.70	0.50	<.001	<.01
		- altered QZMTZ, partially healed with very little black brx							tr	9							
		- altered QZMTZ, 30-40% black breccia containing 2-4cm wide quartz eyes, ASPY?							8	90	.85	100417	78.70	80.00	1.30	.047	.02
		- altered QZMTZ, with sericite - crackled 10-15% black brx							3	80	.8	100418	80.00	80.80	0.80	.027	.02
78.20	94.18	BLEACHED QZMTZ AND MYLONITIC BLACK BRECCIA (below 85.04m)	2	0	4	2	2	2	2	90	.85						
		Structure: Sharp lower contact 45° t.c.a. (cinnabar?) non-homogenous material, 40% black brx															
		Alteration: brecciated and crackled, some shear zones are not healed well															
		Mineralization: 2-3% Py overall with trace ASPY and sphalerite	2	0	4	2	1	2	3	79	.8	100419	85.04	86.56	1.52	.012	.01
			2	0	4	2	1	2	3	99	.9	100420	86.56	88.09	1.53	.049	.03
		- Cataclastic structures 40°-50°	3	0	4	2	1	2	3	95	.9	100421	88.09	89.75	1.66	.101	.05
		- 78.2-85.0m sheared, sericitic low in py.	2	0	4	2	2	2	2	99	.7	100422	89.75	91.14	1.39	.002	<.01
		- irreg. 15cm Q (aspy .5-1%, sphal. 1.5%, 4% py) @ 91.3m	2	0	4	1	3	4	3	99	.9	100423	91.14	91.40	0.26	.061	<.01
			2	0	4	1	2	3	2	99	.8	100424	91.40	92.66	1.22	.018	.01
			2	0	4	1	2	3	2	99	.8	100425	92.66	94.25	1.59	.016	.01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ	
94.18	102.00	South QFP Marker Dyke - typical - pale grey-green, 10-15% irreg. whitish plag. phenos. - rare Q phenos. Structure: Solid, hard core. Weak, local flow-banding. Alteration: Mod. sericite, weak clay, carbonate. Mineralization: Barren - post-ore.	2	0	3	1	0	1	1	99.9								
102.00	112.70	"Barren Zone" - Strong Alteration, Ductile Shearing, weak mineralization. Bleached, sheared Quartz Monzonite. Texture destruction strong. - local stylolites (?) Structure: Solid, hard core. Healed ductile shear zone. Structure orientation variable. Alteration: Strong sericite, local strong silicification (esp. 102.0 - 105.5m) weak carbonate. Mineralization: Pyrite 0.5 - 1.5% in shear veinlets & dissem. No other sulphides noted.	2	0	4	1	3	1	2	99.9								
112.70	124.90	Mineralized Zone - Sheared QZMZ w/ Andesite Dykes common. Similar to above, but with ~25% Andesite Dykes, esp: 112.8 - 114.3m, 115.5 - 115.8m, 116.8 - 118.3m, 124.1 - 124.5m. Structure: Solid, hard core, Sericite +/- clay shears common, variable orientations, Dyke contacts 20° - 60° &. Strong ductile (minor brittle) shearing. Alteration: Strong sericite - quartz +/- clay, carbonate, fuchsite Mineralization: 1-2% dissem. pyrite. Local aspx, esp. in andesite dykes - not abundant.	3	0	3	2	2	2	3	99.6	100426	112.70	114.00	1.30	<.001	<.01		
			3	0	3	2	2	2	2	99.8	100427	114.00	115.40	1.40	.012	.07		
			3	0	3	2	2	2	3	99.9	100428	115.40	116.75	1.35	<.001	.03		
			3	0	3	2	2	2	3	99.8	100429	116.75	118.25	1.50	* <.001	.03		
			3	0	3	1	3	2	2	99.8	100430	118.25	119.75	1.50	.002	.03		
			3	0	3	1	3	2	2	99.9	100431	119.75	120.80	1.05	<.001	.03		
			3	0	4	2	3	2	2	99.8	100432	120.80	121.90	1.10	<.001	.03		
			3	0	4	2	3	2	2	99.1	100433	121.90	123.40	1.50	<.001	.01		
			3	0	4	2	3	2	3	99.8	100434	123.40	124.90	1.50	<.001	.07		

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
124.90	149.90	Mineralized Andesite Dyke Zone - 20% Quartz	3	0	3	1	0	2	2	99.8		100435	124.90	125.90	1.00	.003	.22
		Monzonite, 80% Dyke	3	0	3	1	0	2	2	99.9		100436	125.90	126.90	1.00	<.001	.04
		Quartz Monzonite: 131.7-132.8m, 135.7-136.6m,	3	0	3	1	0	2	2	99.9		100437	126.90	127.90	1.00	<.001	.02
		139.2-141.9m, plus narrower intervals	3	0	3	1	0	2	2	99.9		100438	127.90	128.90	1.00	.024	<.01
			3	0	3	1	0	2	2	99.10		100439	128.90	129.90	1.00	.022	.01
		Structure: Solid hard core. Local post-ore cataclastic	3	0	3	1	0	2	2	99.6		100440	129.90	130.90	1.00	.162	.04
		shearing.	3	0	3	1	2	3	2	99.6		100441	130.90	131.90	1.00	.053	.07
			2	0	4	1	3	2	2	99.9		100442	131.90	132.90	1.00	.001	.01
		Alteration: Mod. to strong sericite (local fuchsite)-	3	0	3	1	1	2	3	99.8		100443	132.90	133.90	1.00	<.001	.28
		carbonate (Q-py.-clay) alteration.	3	0	4	1	2	2	2	99.7		100444	133.90	134.90	1.00	<.001	.16
		Mineralization: Dissem. pyrite 1-4%, aspy. tr. -2%.	3	0	3	1	2	2	2	99.8		100445	134.90	135.90	1.00	<.001	.01
		Local Q-silbite-sphalerite veins 70°-90° &, esp. 131.8m, 142.8m, 148.1m, 149.7m (7cm!).	2	0	3	1	2	3	3	99.7		100446	135.90	136.90	1.00	.007	1.11
			3	0	3	0	1	2	3	99.9		100447	136.90	137.90	1.00	<.001	.64
		Molybdenite in shear @ 139.0m	3	0	3	0	1	2	3	99.9		100448	137.90	138.90	1.00	.043	.13
			2	0	4	1	3	2	2	99.6		100449	138.90	139.90	1.00	.002	.07
			2	0	4	1	3	2	2	99.8		100450	139.90	140.90	1.00	.014	.20
			3	0	4	1	3	2	3	99.9		100851	140.90	141.90	1.00	.117	.53
			3	0	3	1	1	3	3	99.8		852	141.90	142.90	1.00	1.786	.17
			3	0	3	1	1	2	3	99.8		853	142.90	143.90	1.00	.816	.26
			3	0	3	1	1	2	3	99.7		854	143.90	144.90	1.00	.535	.06
			2	0	3	1	1	2	2	99.8		855	144.90	145.90	1.00	.242	.25
			3	0	3	1	1	2	2	99.8		856	145.90	146.90	1.00	.155	.01
			3	0	3	1	1	2	3	99.5		857	146.90	147.90	1.00	.211	.05
			2	0	4	1	2	3	3	99.8		858	147.90	148.90	1.00	.098	.07
			2	0	4	2	3	3	3	99.7		100859	148.90	149.90	1.00	.425	.61
															9.00	.487	.22

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
		Alterations: QZM7 - strong sericite AND - 2-5% biotite, cracked to ASPY Q.P. Dyke - 50% sericite, 50% quartz flood ↓ ↓ ↓ and quartz veins, minor silicification, * (flow banded) also minor carbonate flooding Mineralization: QZM7 - minor black brx - tr Py AND - ASPY needles + black biotite Q.P. Dyke - (3-6% Py) tr ASPY with minor sphalerite, unknown dark phenos (magnetite?) 1-2mm in diameter - possible black brx fragments NB - sampled entire core (detailed alteration with samples)																
67.70	88.29	NORTH MARKER DYKE	1	0	3	0	3	0	0	100	0.95							
		Structure: gradational lower contact (5cm) 40° tea. very homogeneous unit Alteration: large sericitized clasts 1cm - 15cm in width with quartz eyes 1mm to 2cm in width Mineralization: none - extremely barren																
88.29	107.40	MIXED ANDESITIC DYKE AND ALTERED API WITH BLOT BLACK BRX	2	0	2	0	1	2	2	99	.9							
		Structure: sharp lower contact, slick w. minor gouge @ 40° tea. 1% banded black brx - 29% AND Alteration: moderately sericitized - 70% QZM7 and cracked throughout with quartz calc veins Mineralization: possible trace ASPY at upper contact - overall 2% Py								2	99	.9	100	806	88.29	89.65	?	5.001 .01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 07	Ag g/t 02
107.40	134.61	ALT. Central MAPPED DYKE - (RHYOLITIC)	1	0	1	0	1	1	1	1	100	0.95					
		Structure: 90% homogeneous, typical N. Dyke, sharp lower contact & unknown															
		Alteration: flow banding and silicification at first five feet & last five feet															
		Mineralization: trace Py between (no needles)															
		127.86 m to 129.00? 1*															
		130.55 m to 131.42 m - black brx															
		Comments: No Samples - only weak Py															
		* Very interesting structure from 127.86 to 130.55. Extremely hard quartz flooded, banded and cracked segment of dyke - very heavily altered with irregular shaped contacts approx. 450' - no apparent mineralization (possibly 30% quartz veinlets, cut several times from many angles) - MIDDLE DYKE?	0	0	2	0	1	3	2	99	0.9						
134.61	151.30	AN/D, ALTERED QZMY AND FAULT ZONES WITH BLACK BRECCIA - MYLONITIC AND PART HEALED	2	1	2	1	2	3	3	90	7						
		Structure: - heavily faulted lower contact form											100807	134.61	135.33	.006	<.01
		- heavily faulted upper contact 2.00m											100808	135.33	136.86	.004	<.01
		- lower contacts & unknown (irregular)											100809	136.86	137.88	<.001	<.01
		- upper contacts (mylonitic black brx) 20' tea											100810	137.88	138.52	.008	<.01
		Alteration: QZMY mod. sericitized, silicic											100811	150.00	150.37	.030	<.01
		Mineralization: weak Py, with possible ASPY needles flooded locally - trace.											100812	150.37	151.30	.003	<.01
		- to 2mm wide hematite veinlets															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
151.30	154.12	S. MARKER DYKE	0	0	2	0	0	0	0	75	.9						
		Structure: gradational lower contact 45° tea with minor gouge-slick? mottled															
		Alteration: bleached with remnant q. eyes, → 1mm tr. fuchsite with possible (Eblanite-sericite)															
		Mineralization: none - zero															
		Comments: extremely short S. Marker Dyke															
154.12	163.50	UPPER WEAKLY MINERALIZED ZONE OF Q.M. (BARREN TO BLEACHED)	1	0	4	1	2	0	1	77	.8						
		Structure: no veins cut through, small cracks, gtz clasts cracked and sericitized near lower contact approx 70° tea															
		Alteration: primarily sericitized but also heavily bleached in sections															
		Mineralization: trace sulfides throughout unit															
		Comments: from 157.10m to 163.50 rock becomes increasingly harder w/ gtz flooding, tr. sphalerite															
		* @ 156.38 to 156.57 fault 45° tea very soft clay material, partially healed, fuchsite? - has a very porphyritic texture - possible transition zone from bleached and barren zone to beginning of gtz flooded AN/D zone															

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Logged By: C. Kuntz			Field Coordinates: 445/E, 266/N, 925m.e.								Core Size: NQ						
Property: Goddell - Pop Claims			Survey Coordinates:								Hole Length: 152.10 m, 499'						
Target: Upper Zone Ore			Azimuth / Dip: 161° / -42° Drilled By: Caron DD.								Downhole Surveys: one at E.O.H						
Started: 25/01/97			Claim: Pop - OMNI Assays By: Acme Labs								-38° @ 152.10m						
Completed: 27/01/97			Casing: 4'														
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
1.00	32.30	Q.Z. MZ. - FRESH, UNMINERALIZED	1	2	0	0	2	1	1	99	95						
		Structure: lower contact 30° tea, very sharp and well defined, slightly undulating	1														
		Alteration: propylitically altered, essentially very fresh K-Spar alteration with bleached zones															
		Mineralization: small specks of pyrite, 13.0m total no ASPY, small quartz carb. veins every 50cm - average width 2-5cm															
32.30	36.73	MIXED ANDESITIC DYKE / QZMZ WITH STRONG SHEARTING	2	2	1	1	2	2	2	99	9						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
36.73	42.68	NORTH MARKER DYKE (Q.F.P.)	2	0	2	1	2	1	0	99	95						
		Structure: lower contact undulated, 50° tea. gradational and approx. 3m in length															
		Alteration: weak sericite at contact, minor crackling, minor clay															
		Mineralization: barren - (massive unit with no Py)															
42.68	55.86	MIXED ALTERED QZMZ / ANDESITE DYKE - TR. BLACK BRX	2/3	0	2	0	3/3	3	2	99	85						
									2	98	80	100865	51.88	53.50	1.62	.001	.02
		Structure: mixed unit, weak slicks in upper zone, contacts 45-50° tea, lower contact 65° tea.															
		Alteration: mixed, predominantly sericitized - weak to mod.															
		Mineralization: tr. black brx near 5-15 cm andesitic dykes - grey with lim. fuchsite phen. is															
		Comments: @ 50.22 - large 5cm quartz-carb vein with hematite stringers															
		@ 45.85 - 53.50 m - crackled with many gtz. carb veins - moderate															
		@ 53.60 - 55.86 - sericitized QZMZ															
55.86	66.00	MIDDLE RHYOLITIC DYKE															
		Structure: near low contact strongly undulated - 30° tea at contact - rubble & gouge	1	0	0	0	3	1	0	97	0.9						
		@ 64.83 - 66.00 sheared & faulted 50-45° to core axis - major fault 30° tea.							3	90	0.5	100866	64.51	66.20	1.69	<.001	<.01
		Alteration: 0.5 to 3mm quartz eyes gradually become smaller near fault zone. → gtz flooding intense alteration. 0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
		Mineralization: near end of unit Py, ASPY and possible Sh, Sphalerite															
66.00	77.60	MIXED ALTERED RHYOLITE/ANDESITE DYKE - WITH STRONG MYLONITIC BLACK BRX	3/4	0	3	1	3	3	3	15.8							
									2	98.8		100867	70.62	71.80	1.18	<.001	<.01
								#	4	95.8		100868	71.80	73.71	1.91	.006	.01
		Structure: lower contact 20° to 45° dip, very sharp contact/fault - potentially slide							2	95.9		100869	73.71	74.37	0.66	<.001	<.01
		Alteration: primarily sericitized however there are signs of flow banding throughout							3	95.8		100870	74.37	75.90	1.53	<.001	<.01
		Mineralization: 3-5% Py, trace ASPY							3	90.7		100871	75.90	77.67	1.74	.001	<.01
		Comments: 66.00 - 70.91 - weak banded rhyolite crackled with Qtz veins and mod. Py															
		70.91 - 77.60 - ANDESITE 20% - 30% - MYLONITIC BRX - 80-70% - Sericitized strongly between 75.90 and 77.60 m															
77.60	85.75	SOUTH MARKER QFP															
		Structure: massive equigranular - sharp lower contacts 45° to 60° dip. (18m of healed sericitized soft brecciated QFP, heavily altered material, gradational divide between next unit)															
		Alteration: mod. bleached at lower contact - other- wise fresh material															

Mineralization: none, barren

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Logged By: C. Kuntz		Field Coordinates: 445/E, 266/N 925 m.e.		Core Size: NO													
Property: Goddell Ramp		Survey Coordinates:		Hole Length: 686' ft / 209.09 m													
Target: Goddell Shear Zone N-25		Azimuth / Dip: 161° / -57°		Downhole Surveys: ① 426' -57°													
Started: 27/01/97 - 28/01/97		Claim: POP - DMNI		Assays By: Acme Labs													
Completed: mine closed temporarily		Casing: 4' feet		② 686' -57°													
Completed: 62/62/97																	
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Pyritic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0.00	1.22	CASING															
1.22	50.70	PROPYLITIC QZ M7	2	2	1	0	0	2	1	99	.95						
		Structure: lower contact planar and very rough, 20% to contact - massive unit															
		Alteration: 36.35 to 50.70 m - bleached and weakly cracked - very light pink K-spar pervasive															
		Mineralization: 1-2 cm grt carb veins in 5-7 m spaces, trace Py - slightly higher percentage Py near lower contact															
50.70	58.78	MIXED SERPENTINITE Q.M. CUT BY ANDESITE DYKES	2	0	4	1	2	3	2	95	.85						
		Structure: lower contact 25-30° tea - flow banded for about 30 cm - strong alteration at contact - large rounded grey needle bracing andesite fragments disseminated in contact zone (.5-2.8m)															
		Alteration: clay and sericite, mod. quartz-carb. vein crackling - zone of major faulting															
		Mineralization: overall - 2.2% Py, 1% sphalerite, tr ASPY, tr stibnite															
		Comments: 10 cm of strong mineralization at lower contact - not grade material															
		① 52.31 - 53.10 - 5-10% sulfides tr. ASPY (faulted at start and finish of zone, 50° tea)	3	0	2	2	1	3	4	90	.5	100838	52.31	53.10	0.78	1,009	.01
		poor RQD - good recovery (6.71 cm of material)															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02	
90.70	104.85	Central M. MARKER DYKE WITH WEAK FLOW BANDING	1	0	2	0	0	1	0	99	.95							
		Structure: lower contact 20° tea, essentially a homogeneous unit																
		Alteration: 100.00 - 100.69 m s. flow banding first and last metre of unit mod. flow banding																
		Mineralization: 3-5% py at contacts (20cm) minor black breccia at lower contact																
		Comments: @ 100.69 fault with weak gouge to clay - otherwise weak dark Mn at lower contact - barren unit < - trace K-spar - wide for a Smith Marker Dyke																
104.85	129.04	INTENSELY SERICITIZED Q.M. WITH 0.5m TO 1.5m SECTIONS OF BLACK BRECCIA	2	0	4	1	2	3	3	95	.8							
		Structure: undulated fractures 30-45° tea, often very gouged, potentially slick clay filled fractures - partially healed lower contact ~45° tea, not sharp																
		Alteration: strong sericite, 2-5% clay overall very friable material = 100%																
		Mineralization: 2-3% maximum py, Tr ASPY @ 111.00 m - 1.0m of hematite staining disseminated																
		2-5cm of gouge on minor faults																
		Comments: 121.70 - 122.50 strong fault, relic																

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

@ 128.14m - drill shut down due to underground cave in.

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
129.04	141.98	S. MARKER QFP DYKE	0	0	2	0	0	0	0	99	95						
		Structure: lower contact = 40° t.c.a., 20cm gradational. massive and essentially equigranular															
		Alteration: weak crackling near contacts greyw															
		@ 134.10 - 135.53 - unmineralized and propylitic?															
		Mineralization: none of economical significance, tr. of Fe ⁺⁺ staining															
		Comments: @ 129.04 - 130.15 rubble made from drill problems															
		@ 129.04 - 131.94 heavy K-spar alteration with tr. of moly. on lower contact - bleached as well															
141.98	149.20	UPPER MINERALIZED ZONE	1	0	4	1	2	2	2	98	85						
		WEAK ALT. QZ. MONZONITE BRX								2	99	9	100881	141.96	143.23	1.27	<.001
		Structure: lower contact (w. fault?) 45° t.c.a. and irregularly shaped, partly brecciated															
		Alteration: strong sericitization with tr. flow banding - heavily cracked															
		Mineralization: 1% Hematite, 2% Py, tr of sphalerite															
		Comments: - @ 142.20 - 2cm wide solid black brx mixed with hematite vein - 30° t.c.a.															
149.20	154.84	QUARTZ MONZONITE BRX-INTENSELY ALTERED WITH 50% BLACK BRX	3	0	3	1	3	1	4	99	9						
		Structure: lower contact 30° t.c.a. Irregular															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		and undulated, all other sub-contacts are parallel - 30° t.c.a.							2	99	.95	100882	149.18	149.76	0.58	.010	.01
		Alteration: Strongly brecciated with .5cm to 3cm round quartz fragments, mod. sericite						*	3	99	.9	100883	149.76	150.91	1.15	.091	.02
		Mineralization: 10% Py, 1% ASPY, (ASPY needles even found in sericite)						*	4	99	.9	884	150.91	151.80	0.89	1.327	.13
		Comments: very hard unit - good recovery - weakly mylonitic - samples marked out at contacts within unit						*	4	99	.9	885	151.80	152.52	0.52	.726	.04
								*	4	99	.9	886	152.32	154.16	1.84	.080	.12
									2	99	.9	887	154.16	154.86	0.70	.026	.04
154.84	157.90	LOWER MINERALIZED ZONE WEAK ALT. Q.M. BRX	2	0	3	1	1 1/2	3	98	.85							
		Structure: lower contact @ 60° t.c.a. with one centimetre band of clay H-O, sharp contact						*	2 2/3	99	.9	100888	154.86	156.00	1.14	.002	<.01
		Alteration: Moderate sericitization @ 156.90 - 157.90, 20% black breccia - banded (mylonitic?)						*	4	75	.8	889	156.00	157.00	1.00	.001	<.01
		Mineralization: 3% Py, 0.5 - 1% ASPY, 1% sphalerite - strange bronze looking metal in black breccia?										890	157.00	157.90	0.90	.011	.01
		Comments: most ASPY needles where black brx is meeting AN/D - overall good recovery															
157.90	172.30	PRIMARILY STRONG MINERALIZED AN/D DYKE	3	1	0	0	3 3/4	3 3/4	98	.09							
		Structure: somewhat massive, lower contact is not well defined, possibly physically altered and then bleached to Q.M. w. sericite						*	4	80	0.4	100891	157.90	158.90	1.00	.286	.04
		Alteration: no flow banding, strong crackling grey to dark grey unit with undec. 3% fuchsite phenols						*	4	90	0.7	892	158.90	160.00	1.10	.002	<.01
		Mineralization: very strong, overall 5% Py						*	3	95	0.6	893	160.00	161.06	1.06	.003	.01
								*	4	98	0.8	894	161.06	162.15	1.09	.012	.02
								*	4	99	0.9	895	162.15	163.52	1.37	.920	.17
								*	4	99	0.9	896	163.52	164.53	1.01	.033	<.01
									3	99	0.9	897	164.53	165.82	1.29	.064	<.01
									3	99	0.9	100898	165.82	166.34	0.52	1.314	.02

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
		and 2% ASPY. Needles appear to be intensified near shear zone with gte. calc veins							2	99	0.9	100899	166.54	167.80	1.46	.034	.02
		Comments: undulated slicks at 20° tea / @ 158.60m fault							2 1/2	99	0.9	100900	167.80	168.50	0.70	.686	.03
		MIXED AN/D WEAKLY MIN'D							2	99	0.9	01	168.50	170.38	1.88	.002	<.01
172-30	209.09	WITH SELECTIFIED / BLEACHED ALTERED Q.M.							2	99	0.9	02	170.38	172.31	1.93	.003	<.01
									2	99	0.9	03	172.31	174.01	1.70	.008	<.01
									2 1/2	99	0.8	04	174.01	175.02	1.01	.361	.02
									2 1/2	99	0.8	05	175.02	176.50	1.48	.135	<.01
		Structure: between 174.10 and 176.32 10% banded black brx 45° tea / gte-calc veins 45-20° tea							2	99	0.8	100906	176.50	177.03	0.53	.114	.01
		Alteration: weak phyllic alteration in altered Q.M. - trace to weak sericite															
		Mineralization: at contacts of Q.M. and AN/D, ± ASPY needles, otherwise <2% Py															
		Comments: in previous holes there tended to be fresh Q.M. and andesitic dykes with hematite stained fractures to indicate no mineralization - not so with this hole							1 1/2	99	.95	100907	185.75	188.21	2.46	.002	<.01
		@ 198.50 minor f. gouge, @ 181.90 w. fault He ⁺ stains on fractures - 20° tea							1 1/2	99	.85	100908	197.55	198.44	0.89	<.001	.05
		NB: from 141.98 to F.O.H. many specific gravities were preformed - refer to specific gravities and assay info to compare Au/Ag values. @ 208.48 - minor fault gouge - 207.26 to 208.48m bleached altered Q.M. with sericite & 20° tea F.O.H.															

Logged By: C. Kuntz, T. Elliott	Field Coordinates: 4451 E, 2661 N 925 elev	Core Size: NQ
Property: Goddell	Survey Coordinates: -	Hole Length: 859 feet = 261.82 m.
Target: lower mineralized zone	Azimuth / Dip: 161° / -73°	Downhole Surveys: ① 101.80 m = -72°
Started: 03/02/97	Drilled By: Caron P.N.	② 189.86 m = -71 1/2° ③ 229.2 m = -72°
Completed: 07/02/97	Claim: Goddell Claims	④ 261.82 m = -71 1/2°
	Casing: 3 feet	Assays By: Acme Labs Vancouver, B.C.

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Ag g/t oz	Ag g/t oz
0.91	83.18	QZM7 - FRESH, UNALTERED	1	4	2	0	0	1/2	1	94	.95						
		Structure: massive equigranular small Qtz carb veins 30-45° + ca. larger .5cm to 1cm veins 80-90° + ca					*	*	34	99	.8	100912	81.85	83.18	1.33	.066	.05
		Alteration: fresh, unaltered cut periodically by Qtz carb veins 1mm - 5mm in width															
		Mineralization: 1-7% Py, @ 4.07 - 4.15 m, solid 50% vein of specular hematite?															
		Comments: ① 3.54 - 4.35 AN/D - hematite 10-20% fuchsite 20%, elongated blebs of fuchsite at 0° - 10° Contact (near vertical) barren dyke - very fresh															
		② 25.30 - 26.52 - carbonate flooded, bleached															
		③ 39.32 - 40.84 - " " "															
		- from 40.84 to contact with N. DYKE increasingly carbonate altered, with decreased amount of K-spar															
		* * ④ 81.85 - 83.18 = 8cm of strong ser. shear zone, followed by															
		⑤ 91.14 - 95.71 40cm of heavily brecciated cracked - 2% Py quartz sericite mineralized possible sample. Py rich rock 50cm = 10-20% Py															
		⑥ 83.18 - 83.52 - gradational crackling associated with mineralized zone becomes N. Marker Dyke															
		Note: from 77.42 m to 83.18 m QZM7 is weak to moderately bleached. This is a very short amount of bleached rock in comparison to other holes; in addition to this there is an intensely mineralized zone at the contact. why?															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz	
83.18	105.88	(? Z.E.) N. MARKER DYKE (Q.F.P.) Structure: lower contact = 20° f.c.a., heavily faulted @ 83.52, very slick fault 30° t.c.a., km H=0 Alteration: flow banding from 83.18 to 84.80m crackling, tr. Qtz-carb veining in unit Mineralization: weak to moderate Py in the first 34 cm of the unit gradual contact? - no buff QFP present. Comments: ASPY needles in upper contact sample. moderately mineralized with Py, no Qtz eyes but has the same colour as the feldspar dyke, intensely cracked	2	0	0	+	0	0	0	.75			83.18	83.52	0.34	.097	<.01	
105.88	108.78	(? Z.E.) MIXED BRECCIATED NORTH AND SOUTH DYKE, (FAULT ZONE) Structure: undulated and brecciated lower contact approximately 10° f.c.a., upper contact sharp. Alteration: sericitised, physically altered in some zones faulted, some cracking - very strong overall Mineralization: 105.31-105.50 andesite dykes with tr ASPY needles. Overall z-zoned Py - large rings of Py around fragmented or round to angular shaped quartzeyes - no mylonitic black breccia noticeably as mineralized as other sections in holes at higher elevations Comments: difficult zone to log, no flow banding or fibrolitic dikes on either side of unit.	2	2	1	1	2	3/4	3	.90	.8							
												# 2/4	104.97	105.88	0.91	.003	.03	
												1	105.88	106.38	0.50	<.001	<.01	
												2	106.38	108.00	1.62	.002	.01	
												2	108.00	108.76	0.76	.007	.03	

(@ 105.88 FAULT! Very friable material. $H=0$

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
141.22	149.57	<u>BUFF CENTRAL MARKER</u> <u>QEP DYKE</u> 3-9% 1-2 mm Q eyes; 0-4% feldspar phenos. locally. <u>Structure:</u> Banding near lower contact at 25° to c. axis; Sheared contact 40° to core axis. 145.47m - 146.30' = Block of fract sericitized QZMZ. <u>FAULT GOUGE</u> (fresh) - 20cm zone at 80° to c. axis from 146.95-147.15 meters. <u>Alteration:</u> Fresh w. local ser. <u>Mineralization:</u> Locally 1/10% dissemin PYRITE	0	0	2	0	0	1	2	95.6								
149.57	176.61	<u>ALTERED QUARTZ MONZONITE</u> <u>Structure:</u> Lower contact varies from 5-20° to core axis. Healed sericitic shears up to 1cm across common; other- wise very massive. <u>Alteration:</u> & Mod. to STRONG SER. <u>Mineralization:</u> Tr Py. pink K-spar common. - 3 Andesite dykes 5, 20 and 55 cm across. Larger dyke ca 15-20° to c. axis.																
176.61	189.72	<u>MIXED ALT'D QUARTZ MONZ-</u> <u>ONITE BZA and BLACK BRECCIA</u> esp. from 184.02 - 189.72m.	0	0	4	3	3	2	1	3	97.6							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		<u>Structure:</u> Bl Bxa at both contacts Upper contact bxa run nearly parallel to core axis. Other sections common.							4	99.25	100	921	171.71	173.57	1.86	.110	.06
		<u>Alteration:</u> Strong Sericitization; locally strong ^{presence of} Qtz frags (silicification)							99.8	100	922	184.02	184.82	0.80	.025	.03	
		<u>Mineralization:</u> 171.71m - 173.57m = phyllic alt'n and bl. bxa with 7-40% PYRITE some Qtz. fragments in bxa.							99.7	100	923	184.82	186.15	1.33	.108	.08	
		BLACK BXA SECTION AT END OF ZONE locally rich (5%) in PYRITE w. TRACES OF ASPY (184.02 - 187.72 m)							99.5	100	924	186.15	186.95	0.80	.005	.01	
									95.4	100	925	186.95	187.85	0.90	.010	.01	
									99.3	100	926	187.95	188.27	0.42	.004	<.01	
									98.2	100	927	188.27	189.72	1.45	.008	<.01	
		NB - local brittle shearing at acute angles to core axis															
189.72	211.60	<u>SOUTH MARKER (Q) FELDSPAR PORPHYRY DYKE</u>	1	0	4	3	0	1/2	0	99.9							
		<u>Structure:</u> Massive; broken upper contact Banding 30-40 to c. axis at lower contact.															
		<u>Alteration:</u> Sericitized matrix at both contacts; Clay (white)? alt'd phenos.															
		<u>Mineralization:</u> None, even at contacts. POST MINERAL															
211.60	217.38	<u>MODERATELY ALTERED QUARTZ MONZONITE CRACKLE BRECCIA.</u>	0	0	3	0	0	0	1	99.35							
		<u>Structure:</u> Bxa healed w. ser. on fract.; bl. bxa at contact															
		<u>Alteration:</u> Some pink K-spar; plagi sericitized															

Mineralization: None to Tr. PYRITE

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
217.38	223.32	<u>BXA</u> <u>BLEACHED QZMTZ MARKER ZONE</u> Structure - ductile (healed w. sericite) and brittle shearing; <u>STRONG BXATION</u> . Alteration: <u>Strong Qtz-SER</u> . Mineralization: <u>Fe Pyrite</u> . - lower contact w. black bxa broken.	0	0	4	0	4	0	1	95	65							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ^{g/t} oz	Ag ^{g/t} oz
		<u>Alteration: Strong sericitization</u> <u>of QZMz BXA.</u>						0%				B100					
		<u>Mineralization: 3 main zones of</u> <u>mineralization:</u>						0 1/3				7 "928	223.32	224.17	0.85	.022	.02
								0 1/3				3 "929	224.17	225.37	1.20	.042	.12
					***			3 4				5 "930	225.37	226.25	0.88	.541	.15
		*** 225.37m - 226.25m = Strong						0%				9 "931	226.25	227.32	1.07	.015	.01
		PYRME (10-15%) in black Andesite		WKA	ASPY			3 3/4				16 "932	227.32	228.38	1.06	<.001	.01
		dyke w. 15% QZMz BXA. One		AND	DYKE			4 2				10 "933	228.38	229.24	0.86	<.001	.01
		5 mm. Q. vein at beginning of interval	QZMz	BXA				0 2				8 "934	229.24	230.31	1.07	<.001	<.01
		ctgs. 5% sphalerite. Dissem sl. common	"	"				0 2				8 "935	230.31	231.34	1.03	.001	<.01
		in dissem. PY-ASPY impregnation	"	"				0 2				8 "936	231.34	232.87	1.53	.002	<.01
		? 1-2% ASPY? (VERY FINE GRAINED)	"	"				0 1				9 "937	232.87	233.62	0.75	.010	<.01
		* SL is darker in colour than other holes	"	"				0 2				8 "938	233.62	234.63	1.01	.001	<.01
		Logged so far at Goddell	***	***	***			4 4				7 "939	234.63	235.58	0.95	.814	.81
		226.25 - 227.32 = Weak (10% QZMz	QZMz					0 1/2				8 "940	235.58	235.92	0.37	.005	.01
		PY + ASPY) halo around strongly	BXA					0 2				5 "941	235.92	237.44	1.52	.003	.02
		mineral zone. Halo = QZMz BXA	"	"				0 2 1/3				9 "942	237.44	238.14	0.70	.060	.02
		*** 234.63m - 235.58m = 3 main veins	***	***	***			4 4				8 "943	238.14	238.53	0.39	.193	1.62
		in ANDESITE 4cm, 5cm and 9cm	BLACK	BXA				0 2				9 "944	238.53	240.01	1.48	.025	.15
		w. Qtz-Sl; Qtz, and Qtz-Sb															
		- Sl (9cm vein) Halos of 5-10% Py															
		+ 1-2% ASPY around veins in															
		ANDESITE															
		*** 238.14m - 238.53m = BXATED QTZ															
		- STIBNITE VNS w. F.G. RHODITE															
		in hanging-wall parallel to veins															
		and also in footwall (buff to light															
		green rhyo. w. tiny Q eyes (< 1/2 mm).															
240.01	245.96	SERICITIZED QUARTZ MONZ	1	0	3	1/2	3	2	1/2	7	9						
		UNIT - MASSIVE															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong — > 2% Py

3 1/2 - 2% Py

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		Structure: Massive; sharp upper contact										B100					
		Alteration: Part to whole sericitization										"945	240.01	241.45	1.44	.003	.01
		of plag; Pink K-spar.										"946	241.45	242.70	1.25	.005	.01
		Mineralization: Tr. Py															
		- 242.24 - 242.51 = 3 bands of															
		black ^{weak} phyllitic alt ⁿ w. Q-Ser-Py															
		at 25° to core axis; only wk.															
		Py esp in largest selvage of 4cm															
245.96	261.82	PROPYLITIZED QUARTZ MONZ- ONITE CUT BY SMALL ANDESITE DYKES.	0	4 1/2	0	0	1/3	1/4	99	.85							
		- Andesite Dykes 252.66m to										B100					
		253.18m - contacts 45° to c. axis;	7%					0 2/3	100	1.0		"947	255.73	256.06	0.33	.192	.03
		254.58 - 255.92m - contacts	Pyrite?					2 4	100	.6		"948	256.06	256.39	0.33	.354	.14
		45° to c. axis; Mineralized dyke						2	100	1.0		"949	256.39	256.81	0.42	.014	.01
		256.06m - 256.39m ending in															
		2cm Q-PY vein at 25° to c. axis;															
		Hole ends in speckled (chl → mafic)															
		Andesite dyke from 261.40 - 261.82m															
		Structure: Massive QZMz w. 4 AND. dykes ^{dated} ^{argillaceous}															
		Alteration: Strong propylitic → bleached mafic (brown); wk ser. of plag; fresh K-spar.															
		Mineralization: Tr. Py except for And dyke															
		w. FW vein (Q-PY) from 256.06 - 256.39m.															
		NO ASPV; 790 Pyrite in dyke															

E.O.H. = 859' = 261.82m.

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Logged By: Terence M. Elliott Field Coordinates: 4451E, 2661N. 925m el. Core Size: NQ
 Property: GODDELL Survey Coordinates: - Hole Length: 243.54m = 799 feet.
 Target: Depth below 97-34 Azimuth / Dip: 142°/-70° Drilled By: Caron D.O Downhole Surveys: Acid Tests:
 Started: FEB 7, 1997 Claim: POP Assays By: ACME Anal. ① 250' = 68° ② 504' = 66 1/2°
 Completed: FEB 12, 1997 (in A.M.) Casing: HV - 0.91m. ③ 754' = 66° ④ 799' = 66 1/2°

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Serpentinitic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	0.91m	CASING															
0.91	73.49m	MAINLY PROPYLITIZED QUARTZ MONZONITE Structure: Massive; weak Q & Q-Carb. veining. Alteration: Matrix strongly chloritized; weak sericitization of plagioclase; fresh pink K-spar. Mineralization: Local phyllic selvages esp. around narrow veins. Tr. BIRITE NOTES: - Zones up to several meters long of strong sericitization of plag. spar and brecciation of matrix. - Veins up to 2cm thick of Qtz at 70-90° to c. axis. - 30.63m - 32.31m = STRONG WHITE CLAY alt ^m of plag. spar. - 53m - sericitization increases and mixed zones of ser & propy. alt ^m alternate		4 1/3	0	2 1/2	98.8										
73.49	79.22	MAINLY SERICITIZED AND BRECCIATED QUARTZ MONZONITE Structure: Brecciation begins at 75.07m. Lower contact with the dyke = 15° to core axis. Brittle fault zone at contact ca. 10cm thick. Brecciated Qtz. veining changing 10-15° to c. axis	0	0 3/4	0 1/2	2 3/4	98.9										

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		<u>Alteration</u> : Moderate sericitization ^{HP to} zone of brecciation; then STRONG Bleaching and sericitization										B100					
												950	75.90	76.93	0.93	0.051	<.01
												951	76.83	78.22	1.39	<.001	<.01
		<u>Mineralization</u> : 2 zones of 3-4% PY plus trace sl & aspy. Zones are first and third samples w. a relatively barren interval in-between. 1cm. Qtz. veins in both samples 100950 and 952. Veins w. pyritic margins 10-25° to c. axis.										952	78.22	79.27	1.05	0.016	<.01
79.22	86.06	<u>SPARSELY MINERALIZED QUARTZ PORPHYRY DYKE</u> - 3-4% euhedral 1-3mm Q eyes. <u>Structure</u> : Massive; lower contact sheared & broken at 20° to c. axis. Local brecciation. <u>Alteration</u> → Sparse zones of green sericitization; one 1cm zone 15° to c. axis. <u>* Mineralization</u> - Sparse dissem. <u>ASPY</u>															
86.06	90.01	<u>STRONGLY ALTERED QUARTZ MONZONITE BRECCIA</u> (Mylonitic but NOT BANDER). <u>Structure</u> : Strong brecciation to 88.62m; many frags collected. Broken lower contact. <u>Alteration</u> : Strong sericite; black colour to 88.62m; then strong green ser.; local silic. Tr. Fuchsite (?) <u>Mineralization</u> : some 3-4mm Qvn fragments <1% PY and black non-magnetic mineral(?). Only Tr PYRITE after 88.62m.	0	0	4	0	7	2	99	85		B100					
												11953	86.00	87.43	1.43	<.001	<.01
												11954	87.43	88.62	1.19	<.001	<.01
												11955	88.62	90.00	1.38	<.001	<.01

N.B.
UNUSUALLY
BRECCIA

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Aug 02	Ag 02	
90.01	121.62	<u>NORTH QUARTZ FELDSPAR PORPHYRY MARKER DYKE</u> - has typical rounded sericitic clasts. - 7% Q eyes & 7% feldspar phenos. Structure: Brecciation for 1m from upper contact. Massive unit Alt'm: Rel. fresh Minz: None - LOWER CONTACT BROKEN AT ca. 30° to core axis.	1/2	0	2/3	0	0	1/2	0	99.7								
121.62	142.47m	<u>STRONGLY SERICITIZED QUARTZ MONZONITE CUT BY 2 LARGE ANDESITE DYKES.</u> - And. dykes from 123.54m - 126.49m and 134.38m - 142.47m Structure: Contacts on And. dykes as follows: 40° and 25° to c. axis. and irregular and 70°-75° to c. axis. Alteration: ~5% speckled fuchsite (?) in both dykes. QFMZ clasts strong SER w. remnant (?) K-spar 30cm bxation at upper and lower contacts of first dyke w. BLEACHING Mineralization: Minor PYRITE at contacts. AND DYKES STRONGLY Q-carb. veined.	0	0	0	0	0	0	0	98.65								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
142.49	146.15	<u>PYRITIC QUARTZ PORPHYRY DYKE</u> 70° to c. ax. <u>Structure</u> : Banding at upper contact followed by crackle brecciation <u>Alteration</u> : Ser. at contact and elsewhere at 40° to c. ax. <u>Mineralization</u> : 1/4 - 1/2 % dissemin. PYRITE - lower contact ca. 40° to c. axis; sericitized.	0	0	0	0	0	1	3/4	95.8							
146.15	152.71	<u>FRACTURED SPECKLED, SERICITIZED QUARTZ MONZONITE</u> - ends in 33 cm of crackled RHYOLITE DYKE ctg. 1-2% PYRITE infilling frags. <u>Structure</u> : Upper contact of RHYO. DYKE ~ 45° to core axis. NOTE: LOW RQD <u>Alteration</u> : STRONG SERICITIZATION NO BXATION IN QZMZ <u>Mineralization</u> : Tr. PY. in QZMZ; RHYO. minz'd.	0	0	4	0	3/4	0	1	90.2							
152.71	169.64	<u>QUARTZ MONZONITE BRECCIA</u> <u>Structure</u> - ductile, healed (ser) shears. <u>Alteration</u> : Strong ser; local strong silicic; K-spar (light pink) visible. <u>Mineralization</u> : Tr. PYRITE	0	0	4	0	3	1	1	88.9							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
																oz	oz
169.64	179.03	QUARTZ MONZONITE BRECCIA with 5% MYLONITIC BLACK BRECCIA BANDING	0	0	4	0	3	3	1	3	97.7						
		Structure: Both ductile and brittle shearing. Banding (mylonitic) 20° to 45° to core axis.										B100					
		Alteration: STRONG SERICITIZATION; 20-30 cm sections of STRONG SILICIFICATION.										" 956	169.64	171.17	1.53	.003	<.01
		Mineralization: Occasional rounded rhyo- fragments w 5% Py + minor ASPY. For example: at 171.41m										" 957	171.17	172.37	1.20	.004	<.01
		- 171.17 - 172.37m = Fault zone (BRITTLE)										" 958	172.37	173.20	0.83	.004	<.01
												" 959	173.20	175.03	1.83	.002	<.01
												" 960	175.03	176.23	1.20	.032	.01
												" 961	176.23	177.27	1.04	.019	<.01
												" 962	177.27	177.83	0.56	.004	<.01
												" 963	177.83	179.03	1.20	.007	<.01
179.03	195.12	SOUTH MARKER (Q) FELDSPAR PORPHYRY DYKE - gray to locally buff; 15-20% white feldspar phenos to 5mm long	0	0	4	2	0	1	0	0	99.9						
		Structure: Massive & poorly fract (good RQD). Upper contact 45° to c. axis. Lower contact 45° to core axis															
		Alteration: Lower contact str ser- icite for 25 cm; spar → clay common															
		Mineralization: NONE															
195.12	215.41	ALTERED QUARTZ MONZONITE BRECCIA - becomes BARREN ZONE MARKER BEGINNING AT 199.34m.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		<u>Structure</u> : Lower contact 37° to core axis; Strong BXTION; Ductile sh. healing	0	0	4	0	3/4	1	1	98.85		B100					
		<u>Alteration</u> : Strong SER; locally strong silicification						2 1/2		99.9		"964	175.12	196.99	1.87	.011	.01
		<u>Mineralization</u> : Tr. PYRITE esp. near upper contact.															
		- 212.23-212.96m = GRAY (medium) ANDESITE DVRES - carb. veined w. 1 X 1cm Qtz. vn at 45° to c. axis															
		SPECKLED w. 7% green fibr. mica (NOT as bright green as fuchsita!)															
		Qtz. bxated w. 1% PYRITE - not sampled.															
215.41	230.92	<u>MAIN MINERALIZED ZONE</u> of QUARTZ MONZONITE BXA	0	0	4	0	3/4	2	3/4	95.7(?)							
		BLACK BXA (cataclastic mylonite) and ANDESITE DVRES - cf. other deep holes.															
		<u>Structure</u> : Strong BRECCIATION; local strongly broken (core pieces small) such as at 223.57m - 224.83 (shearing interval (1/2-2cm) at 10° & 45° to c. axis)															
		<u>Alteration</u> : Strong SER.															
		<u>Mineralization</u> - see descriptions of samples below:															
		60% BLACK BXA to 218.95m.										B100					
		- Bl. Bxa - 2cm ² Stibnite bleb near beginning of interval. 1% PY Tr ASPY						0	2	98.8		"965	215.41	216.10	0.69	.004	<.01
		- QZM3 BXA & BL. BXA. 1/2-1% PY						0	2	98.9		"966	216.10	217.63	1.53	.026	.06

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		* - Bl. Bxa w. 20cm crackled RHYO-LITE FRAGMENT of a 5cm RHYO FRAG. ASPY in blebs up to 3cm x 1 1/2cm adjacent to rhyo. frags. MINOR Q153, SL, <1% PY. ALSO BXATED QUARTZ FRAGS w. minor sulphides					*	1/2	3	99.8		"967	217.63	218.95	1.32	.136	.16
		- QZMZ w 1-2% PY 0.1% ASPY needles							2 2/3	99.7		"969	218.95	219.66	0.71	.173	.01
		- QZMZ - 1 X 3mm Qtz. un at 40° to core axis. Locally bxated; black pyritic shears (healed) common MINOR PYRITE on selvage of Q un. Tr. Aspy.							2	99.9		"969	219.66	220.68	1.02	.004	<.01
		- QZMZ - 1 small (1cm³) bleb of Q-Py + minor SL. Over Tr. PYRITE							1	99.8		"970	221.68	222.20	1.52	.005	<.01
		- QZMZ w. strong SILICIFICATION above a 5cm ANDESITE DYKELET stg. minor ASPY Overall 0.1% PY							1	97.7		"971	222.20	223.00	0.80	.013	<.01
		- QZMZ BXA - 0.1% PYRITE							1	95.6		"972	223.00	223.72	0.72	.005	.01
		- Fract zone in QZMZ w. ductile shears filled w. SERICITE; some brittle shears (narrow). BXATED							2	90.5		"973	223.72	225.33	1.61	.001	<.01
****		- 80cm of BANDED QTZ VEIN AT 40-45° to core axis. Hosted by QZMZ BXA stg. ASPY needles 20 cm. SECTION CONTAINS 2% SPHALERITE. Vein also ctgs Sb₂S₃ PY and ASPY. LOW RQD. w. clay shears ? 0.1-0.3% SL 1/2% PY. minor Sb.	****	****	****	****	****	4	4	90.2		"974	225.33	226.67	1.34	.001	.21
													→	225.33	228.99	3.66	.293

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t	
		- QZMZ w. Tr SI & Py & Aspy										B900						
		- "PREGNANT" ANDESITE DYKE						**3	4	100	1.0	"975	226.67	227.07	0.40	.097	.02	
		w. 40cm of 7% f.g. PYRITE						**3	4	100	1.0	"976	227.07	227.76	0.69	.136	.14	
		- 60% "pregnant" ANDESITE DYKE						**4	4	98	.9	"977	227.76	228.30	0.54	.273	.10	
		w. 15% Py & 40% bleached AND.																
		w. 1% PY; 5 x 3mm to 1cm. Q-SI																
		(1%) veins cut dyke at 30-60° to c. axis																
		- 90% ANDESITE dyke w. 7cm STR. ASPY in QZMZ adjacent to 4mm Q vein at contact. 2% ASPY in QZMZ. AND. = "pregnant" w. PY. Contact 40° to c. axis.						**3	4	98	.9	"978	228.30	228.99	0.69	.220	.43	
		- QZMZ BXA w. <1% PY; Tr. ASPY							2	2	98	.8	"979	228.99	230.01	1.02	.023	.01
		- BLEACHED, SPECKLED ANDESITE DYKE w. 1-5% fuchsite(?) and 1% PY cut by 3cm BXATED QTZ. VEIN w. 1% SI and 1% PY. Lwr contact 35° to core axis.						**3	3	98	.8	"980	230.01	230.92	0.91	.042	.03	
		END OF ZONE of MINZ'N																
230.92	243.54	ALTERED QUARTZ MONZONITE	0	3	0	0	1/2	1	99	.9								
		- out of bxated zone							1/2	1/2	99	.9	"981	230.92	232.50	1.58	.003	<.01
		Structure - massive, high RQD QZMZ																
		Alteration: light green ser. of plag w. remnant pink K-spar.																
		Minz' - Trace; 1mm-8mm(1) Qtz. vns 45° to 80° to core axis.																
		E.O.H. = 243.54m																

Logged By: T.M. ELLIOTT		Field Coordinates: 4451 E, 2661 N		Core Size: 110		673 ft										
Property: GODDELL DECLINE		Survey Coordinates: 925met.		Hole Length: 205.13m		(673 ft)										
Target: Extend ore to EAST		Azimuth / Dip: 130° / -50°		Drilled By: Cardin D.D.		Downhole Surveys: ① 77.11m = -45°										
Started: FEB 12, 1997		Claim: POP		Assays By: ACME		② 151.79m = 47°										
Completed: FEB. 15, 1997		Casing: 3' (0.91m)		LABS (VANC.)		③ 205.13m = 44 1/4°										
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	0.91m	Casing (3')														
0.91m	53.43m	PROPYLITICALLY-ALTERED QUARTZ MONZONITE. Structure: Lower contact w. dyke = 20° to core axis. 1mm-1cm Qtz. Q-Carb. vns. 45-70° to c. axis. Alteration: Mainly strong propyl. w. ch. after mafics. (8-10%), light ser. of plag. Fresh, pink K-spar. Mineralization: Tr. Py in occas. wk. phylic schuage. - 47.63m to 52.12m = strong clay white alt. of plag. - 52.12m - 53.43m = sample of contact zone. First 60cm = alt'd QZMz w. 1/4-1/2% PY; then QFP Bxated w. 3cm fault gouge at 20° to c. axis.	0	1/4	1/2	1/4	0	1/2	1/2	98	85					
											B100 1982	52.12	53.43	1.31	<.001	.01
53.43	69.32	NORTH QFPORPHYRY MARKER DYKE - typical, described many times in previous holes - LOWER CONTACT 30° to core axis.	0	0	1/4	1/2	0	0	0	99.5						
69.32	73.75	MODERATELY SERIKITIZED QUARTZ MONZONITE CUT BY 1 ANDESITE	1/4	0	3	1/4	0	0	1/3	98.8						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 02
		- sampled breasted zone of 5-10% QZM7 bl. bxa d breasted, bleached AND.						0	3	98	.8	B 100					
		≈ 2-3% PY.										"983	69.08	71.02	1.94	.003	<.01
		OVERALL SECTION:															
		Structure: Bl. Bx. banding 30° to c. axis.															
		Alteration: Mod. ser. of QZM7. Plag in bl bxa; 3% fuchsite (?) in AND															
		DYKE. Qtz - Carb. Vns in DYKE															
		MINERALIZATION: overall 1% PYRITE															
73.75	89.50	BLUFF CENTRAL QFP MARKER															
		DYKE	0	0	1/4	1/2	0	1	1	95							
		50% 1-3mm Q eyes (euhedral)															
		0-4% white feldspar phenos.															
		Structure: Upper contact 45° to c. axis; Lwr. cont. ca. 20° to c. axis.															
		Alteration: Local mod. ser. in mafic.															
		Mineralization: Minor diss. PYRITE															
		* - 80.16m 81.36m Inclusions? or															
		dyke? or N. Marker QFP Lwr.															
		favoured? then contact at 40° to c. axis. Upper															
		this idea! contact 45° to c. axis.															
89.50	111.89	ALTERED, LOCALLY BXATED, AND	0	0	3/4	1/4	1	1	1/2	95.4							
		FAULTED QUARTZ MONZONITE															
		Structure: Local wk. bl. bxa. (mylonite)															
		and also weak to mod. ser. fault zones															
		esp. from 100.55m to 105.87m															
		RQD here ≈ 0.1															
		MAJOR FAULT *															
		*															
		*															
		*															
		OVERALL!															
		MAJOR FAULT *															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		Fault from 110.54m to 111.89 m. R.Q.D. = 0.3.										B100					
		Black Bxa (weak) sampled from 89.50m to 94.41m (only 5% bl cataclasite) AND DYKE (30cm) a 40° to c. axis										"984	89.50	90.53	1.03	<.001	<.01
		Alteration: Mod. sericite overall. Many sections including fault zone from 100.55m have remnant light pink K-spar. Clay alt ⁿ in "bl. bxa" band. Minor Fuchsite in AND (B100984)										"985	90.53	92.08	1.55	.021	.02
		Mineralization: Up to 1% Pyrite in section sampled. Qtz. v. 40° to c. axis in sample B100984										"986	92.08	92.97	0.89	.002	<.01
		B100985 = 20% PYRITE in BXA.										"987	92.97	94.41	1.44	<.001	<.01
111.89	125.14	TYPICAL SOUTH MARKER (Q) FELDSPAR PORPHYRY - sheared green sericitic lower contact 60° to c. axis. FRESH & MASSIVE. NO MINZ'N. Clay alter play	0	0	0	3	0 1/2	0	97.9								
125.14	131.98	ALTERED QUARTZ MONZONITE BRECCIA (incl. Bl. mylonitic bra starting at upper contact) Structure: Lower contact 70° to c. axis. Bl. Bxa bands 45° to c. axis Alteration - STRONG SERICITE & clay in bl. bxa.	0	3/4	2	0 1/4	0 1/2	1/3	98.8								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	B Sample #	From	To	Length	Au g/t 02	Ag g/t 02	
		<u>Mineralization - see sections split</u> cut of zone. Banding 40° to c. axis										100						
		- SOLID BL. BXA. 4cm thick CALCITE VEIN w. contacts 40° & 70° to c. axis. 1% PYRITE							2	3	95.6	"988	125.14	126.80	1.66	.030	.02	
		- SER. QZMZ BXA 1/4% PY.							0	2	100.9	"989	126.80	127.51	0.71	.007	.03	
		- BL. BXA. Banding 30° to c. axis. 1/4- 1/2% PYRITE							0	2	98.9	"990	127.51	128.80	1.29	.030	.07	
		- POLYMIC TIC BXA in. 20cm. Bleached AND? at 40° to c. axis. Tr. SI in 1-2mm Q. v. 2-3% diss. sulphides ? ASPY? w. PY. <u>VERY</u> Fine grained Good looking section!							*	1	3	98.9	"991	128.80	130.17	1.37	.127	.03
		- SILICIFIED QZMZ BXA w. 1/4-1/2% diss. PY cubes							0	2	95.5	"992	130.17	130.56	0.39	.019	.01	
		- Q (Silic) - SER. QZMZ BXA. Tr. → SI, Tr ASPY on fract 1-2% PY							0	3	98.8	"993	130.56	131.98	1.42	.099	<.01	
		- QZMZ BXA w. 7cm. AND. DYKELET, ctg 1-2% SI w. 5% figs. sulphides & fuchsite Overall 1-2% Sulphides																
		* <u>UPPER ZONE of</u>																
130.56	139.86	<u>WEAKLY MINERALIZED (DISSEM.)</u>																
		(QZ. MONZONITE BXA w. ASPY needles & Pyrite ± SI = <u>DISSEMINATED ZONE</u>)							0	5	40 1/4	1 2/3	98.8					
		* Also small occas. AND. DYKES							*	1	3	98.7	"994	131.98	133.50	1.52	.140	.04
		* <u>COMPARE: HOLE 97-32</u> <u>UPPER ZONE OF DISSEMINATION</u>																

NOTE!

OR HOLE 97-34 w. 0.068 opt. AU!

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

WEAK
DISSEM.
MINZON

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	B Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		<u>Structure:</u> Lower contact w. F Porphyry dyke 70° to c. axis. Strong brecciation w. ductile, healed shears.										100995	133.50	135.03	1.53	.072	.04
		<u>Alteration:</u> STRONG SERICITIZATION Local str. silic'm.															
		<u>Mineralization:</u> See descriptions.															
		- B 100995 = QZMZ BXA. 2% PYRITE 1/4-1/2% ASPY NEEDLES									* 0.397.6						
		- QZMZ BXA - 1/2% PY No Aspy								0.298.8	" 996	135.03	136.55	1.52	.002	<.01	
		- QZMZ BXA - some black infilling between fragments. Tr to 0.2% PYRITE								0.1299.9	" 997	136.55	138.27	1.72	.006	.01	
		- MNZ'D QZMZ BXA w. PY-ASPY dissem & infilling between frags. 1=2% PYRITE; Tr to 0.1% ASPY								* 0.098.8	" 998	138.27	139.86	1.59	.082	.05	
139.86	143.07	<u>FELDSPAR PORPHYRY</u> - def- initely SIMILAR to QEP * <u>SOUTH MARKER DYKE</u> - 30-35% 5mm. Plag. phenos in gray matrix Massive & <u>POST MINERAL</u> Lower contact for 25cm sheared & sericitized. NO VEINS Well fract.	0	0	1	0	0	0	0	98.4							
143.07	169.30	<u>LOWER ZONE OF WEAK DISSEMINATED</u> <u>MINERALIZATION IN QUARTZ</u> <u>MONZONITE BRECCIA.</u> <u>Structure:</u> STRONG BRECCIATION. healed by sericite <u>Alteration:</u> Strong SERICITIZATION.	0	4	0	2	3	2	3	97.9							

Some phyllic selvage zone adj to fract & veins
0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		MINZEN - see descriptions below															
		* = 0X opt. Au; otherwise there															
		are barren sections down to 151m.										B100					
		* - QZMZ BXA. 1 X 3mm Bxa Qtz										999	143.07	144.17	1.10	.023	.18
		vn. w. minor Sb_2S_3 1mm thin															
		ASPY needles "common" SOLID (100%)															
		STIBNITE lens 3mm - 7mm thick															
		and 3 cm long at 45° to c.															
		axis. 20% Py; Tr to "minor" ASPY										B10-					
		- QZMZ BXA w. a 2 cm Q -										1000	144.17	145.69	1.52	.019	.14
		$Sb-Sl$ vn at 50° to c. axis;															
		other wise this sample is weakly															
		mineralized w. 1% dissemin PYRITE															
		Tr ASPY in vein selvage.										B195					
		- QZMZ BXA. 1/4% diss. PYRITE										1001	145.69	147.22	1.53	.002	.02
		- QZMZ BXA. " " "										1002	147.22	148.74	1.52	.036	.04
		- QZMZ BXA - a 2-5 mm Q vn. at										1003	148.74	150.27	1.53	.002	<.01
		25°-30° to c. axis. w. 35 cm of															
		pyritic selvage (2-3% Py w Tr.															
		Aspy) Overall 1/2 - 3/4% PYRITE										B195					
		- QZMZ BXA. w. minor diss PY										1004	150.27	151.43	1.16	.002	<.01
		- QZMZ w dissemin ASPY & SL.										1005	151.43	152.76	1.33	.026	.02
		290 PYRITE 1/4% ASPY															
		* * - QZMZ - 1mm Q vn. at 30° to										1006	152.76	153.93	1.17	.262	.13
		c. axis; 2 more 3mm units (Qtz) 1 X *															
		2cm Q - Sb_2S_3 vn at 45° to c.															
		axis 1 with STIBNITE!															
		1 X 1 1/2 cm ROUND CLAST OF Q. w.															
		3% ASPY needles 1vn Q - 5% (5%)															
		approx. 3mm across SECTION CHHLR															
		"KICK LIKE A MULE" * 20% PY 10% ASPY															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
		- QZMZ BXA - 1 X 1 cm Q vn at 50° to c. axis. Good 3 cm Py-Aspy - SI selvage. 1% Py 1/4% Aspy						2 3/4	99.9			B195 "007	153.93	154.92	0.99	.043	.13
		- QZMZ w. "good" minz ² ; 1 X 1 cm Q vn and 1 X 0.5 cm Q vn - dark phyllic selvages esp on H. N. side → 5 cm and 2 cm. selvages respectively. ASPY-SI - PY assemblage; Orientation of vns = 30° to c. axis 1-2% PY 1% ASPY - "A KICKER!"						3 3/4	99.9			195 "008	154.92	156.36	1.44	.035	.04
		- QZMZ - 1% PY Tr. ASPY						0 2/3	100.0			"009	156.36	156.91	0.55	.002	.02
		- QZMZ BXA w. 1 X 10 cm & 1 X 20 cm "shavings" (down core axis) of ANDESITE DYKE LETS(?); 20 cm. AND. is Q-CARB veined; Dykes are MINZ'D. Overall 1-2% Py in section w. 0.1-0.2% ASPY						3 4	99.5			"010	156.91	158.28	1.37	.250	.07
		- QZMZ - weakly minz ² 1/2% PY						0 2	99.8			"011	158.28	159.41	1.13	.002	.05
		- QZMZ w. AND DYKE (MINZ'D) along core axis. QZMZ ctgs clusters of dissem ASPY needles Overall 1% Py 0.1-0.2% ASPY						* 2 3	98.8			"012	159.41	160.52	1.11	.003	.05
		- QZMZ BXA hit by 3 X 5 mm QTZ VNS - minor Sh. Good section 2% Py 0.2(?)% ASPY						* 3 3	98.8			"013	160.52	161.92	1.40	.037	.18
		- QZMZ w. 1% Py + 0.1% ASPY						2 3	99.8			"014	161.92	162.79	0.87	.135	.10
		- QZMZ w. 1% Py & 0.05% ASPY						0 2	100.9			"015	162.79	164.12	1.33	.034	.07
		- QZMZ w. 1 X 1 cm Bxated Q vn 1% PYRITE. Minor diss SLY ASPY						2 2	99.8			"016	164.12	165.51	1.39	.012	.08

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong (5) Very Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Ag g/t 02	Ag g/t 02	
		- STRONG SULPHIDES; dissem SI.		*	*	*	*	2 3/4	4	99.9	195	B	172.39	173.70	1.31	.489	.09	
												"023						
		- 50cm QZMZ BXA Fault zones then ANDESITE in between. (BXA) 1x 7mm Q vn at 80° to c. axis. Moderate sulphides						2	3	95.3		"024	173.70	174.78	1.08	.254	.01	
		- Strong sulphides - a 7mm Q vn w. Sb ₂ S ₃ & SI at 70° to c. axis. Moderate sulphides	*	*	*	*	*	3	4	96.8		"025	174.78	175.99	1.21	.741	.06	
		- Mod. Sulph. - Abund carb. between AND frags.						4	3	98.8		"026	175.99	176.63	0.64	.154	.03	
		- STR. Sulph. - 2x 3-5mm Stibnite gash vns (one w. SI) at 90° to c. axis	*	*	*	*	*	3	4	100.0		"027	176.63	177.57	0.94	1.553	.22	
*		- STR. SULPHIDES - 1-2cm Sb - Q vn w. 80% Sb ± halo of SI (minor); plus 6mm Q-Sb vn at 70° to c. axis.	*	*	*	*	*	4	4	99.8		"028	177.57	179.22	1.65	1.739	.30	
		- 20% QZMZ w. 4mm Q vn at 80° to c. axis. Mod-Str. Sulphides						*	*	3 3/4	99.7	"029	179.22	179.95	0.73	1.126	.13	
		- 70% QZMZ - 30% AND. WEAK SULPHIDES. TO SI						2	2	95.7		"030	179.95	180.50	0.55	.017	.02	
		- AND w. breated 5mm Q vn 70° to c. axis. / major Q-Sb ± SI vn 1- 2cm thick at 45° to c. axis - Est 30% stibnite in this BREATED SX VN. interval has 25cm QZMZ MOD SULPHIDES ≈ 2-3%						*	*	3	3	99.8	"031	180.50	181.71	1.21	.391	.17
181.71	189.83	MIXED ANDESITE DYKES AND QUARTZ MONZONITE (ALT'D)	0	0	0	0	1	1/2	1/4	3/4	95	SD	← see samples!					

60-70% QZMZ w. 30cm - 1 m. AND. DYKES

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		Structure: BXA from 183.73 to end of section. Local fract & fault gouge. (see RQD). Dyke - QZMZ contact broken; / contact seen in place at 40° to c. axis															
		Alteration: QZMZ = STR. SER.; AND cut by Q-Carb vns. Fuchsite(?) in AND dykes															
		Mineralization - Weak to locally moderate.															
		- QZMZ w. 40 cm AND dyke at beginning of sample. 1-2% PY															
		- 60% QZMZ BXA, 40% AND BXA - 1x 7mm Q-Sb-Sl vn at 50° to c. axis; 1x 5mm Q-Sb-Sl vn at 50° to ca BOTH VEINS IN QZMZ BXA. Overall 20% PY + ASPY															
		- MAINLY QZMZ BXA. ½% PY + ASPY															
		- " AND DYKE w. 40cm QZMZ BXA. 5% fuchsite(?). 1% Py + ASPY at 10:1 ratio as usual!															
		- FRACT & FAULT ZONE mainly in the 70% QZMZ BXA (30% AND dk) 0.5% PY + ASPY (10:1).															
		- 5-10% BI BXA in sheared QZMZ BXA = END OF ZONE! Shrs. 45° to c. axis. ¼-½% PY + ASPY Tr Sphalerite (SI)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t 02	Ag g/t 0%
189.83	205.13m	MAINLY ALTERED QUARTZ MONZONITE w. a few AND-ESITE DYKES. - 85 cm AND DYKE cored at 202m. <u>Structure:</u> 85 cm AND contacts at 15° to c. axis <u>Alteration:</u> Fresh K-spar; clay & Ser. Alt ⁿ of Plag. No matis. <u>Mineralization:</u> Trace.	0	0	3	3	0	1/2	1	98	.7	B195 "038	189.83	191.41	1.58	.001	<.01

Logged By: T.M. Elliott			Field Coordinates: 4400 E, 2665 N, 932 m.e.l.			Core Size: N/A										
Property: GODDELL (Decline)			Survey Coordinates: 932 m.e.l.			Hole Length: 498' = 151.79m										
Target: W. Extension of Minim.			Azimuth / Dip: 180° / -50 1/2°			Downhole Surveys: ① 250' = App = 54 1/2'										
Started: FEB 15, 1997			Claim: POP			TRUE DIP = ② 483'										
Completed: FEB 17, 1997			Assays By: Alme Labs			APP. = 53 1/2° TRUE DIP =										
Casing: HW 0.91m (3 ft)																
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	0.91	CASING														
0.91	39.36	<u>VARIABLY ALTERED MASSIVE QUARTZ MONZONITE</u> Structure: Many small < 50 cm bleached AND dykes / major speckled AND. DYKES from 23.02 m - 26.82 m. - cut by Q - Carb & Carb. veins. Contacts 45° to c. axis. ** First major dyke (AND) noted on NORTH SIDE OF N. Marker Dyke. Alteration: Variable - very little (30cm) of chlorite alt. QZMZ. Hematite staining of Red K-spar common as is clay (white) alt'n of plag. common. Mineralization: Minor PY in AND DYKES PYRITE in 5% Bl. Bxg from 27.90 m to 29.87 m (host = both bleached ANDSITE and QZMZ).	0	1	2	3	0 1/2	1	98.7							
39.36	45.45	<u>TYPICAL NORTH MARKER DF PORPHYRY DYKE</u> - bleached contacts; lower contact ≈ 45° to c. axis, w. black infilling between milled frags for 27 cm Alteration - Clay after plag. phenos	0	0	3/4	3/4	0	0	0	98.7						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz/t	Ag ~~g/t~~ oz/t
		<u>Mineralization</u> : Sampled short section of black milled bxa and contact Qtz - Sx. Bxa ^(4cm) 4% * sphalerite and overall 2-3% PYRITE.										B195 11039	45.11	45.45	0.34	.058	.13
45.45	54.51	<u>BLEACHED QUARTZ MONZONITE</u> <u>CUT BY LIGHT GRAY ANDESITE DYKES.</u> - major fuchsite - brg (5%) AND. DYKE from 46.72m to 48.01m.						QZMZ ↓ 0.3% ↑ AND									
		<u>Structure</u> : Dyke above noted has upper contact 45° to c. axis.															
		<u>Alteration</u> : QZMZ mod. sericitized (ser. after plagi); mafics BLEACHED. K-spar <u>light</u> pink.															
		<u>Mineralization</u> : local PYRITE on healed, ductile shears															
54.51	59.14	* <u>Puritic CENTRAL DEP MARKER</u> * <u>DYKE</u> - 30% /mm Q eyes. 30% white feldspar phenos (minor sericitization)															
		<u>Structure</u> : Banding at upper contact ca 40-45° to core axis. Local stockwork of hairline frst and veinlets. Lwr. contact banded at 45° to c. axis.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		- 60.02m - 60.35m = 4cm thick			*	*	*	4	4	90	0	195041	60.02	60.35	0.33	.042	.11
		Qtz - STIBNITE (50-60%) - PY															
		VEIN at 30° to c. axis in zone															
		of Bl. Bxa. in QZMZ Also 1cm															
		blob of PY-ASP															
		- Following samples are QZMZ BXA.										B195					
		with variable amt of PROPYLITIC BLK										"042	60.35	61.87	1.52	<.001	.01
		BXA to 67.64m Some Q-Si-Py										"043	61.87	63.40	1.53	<.001	.02
		rounded frags to 1cm diameter										"044	63.40	64.92	1.52	.001	<.01
		1/4-1/2% Py										"045	64.92	66.45	1.53	<.002	.04
		* NB - Some frags look like they										"046	66.45	67.64	1.19	.002	.01
		* are py-mineralized and HAVE TRAVELLED!															
		* = HETEROLITHIC BXA (Mainly															
		QZMZ w/ lesser Qtz-Py, AND															
		HYDRO FRAGS) in BXA 5046.															
		- QZMZ										"047	67.64	69.49	1.85	.002	<.01
		- "										"048	69.49	71.02	1.53	<.001	.01
		- QZMZ BXA w/ 1 X 3mm - 1cm Qzr										"049	71.02	72.63	1.61	.004	.03
		at 45-70° ("wavy") to c. axis.															
		- QZMZ BXA w/ a 6cm Q-Sx										"050	72.63	74.07	1.44	.046	.05
		BXA VN. at 70° to c. axis. Ctg															
		1% Si + 3% Py in 6cm vein.															
		- QZMZ BXA										"051	74.07	75.59	1.52	.004	<.01
		- QZMZ BXA										"052	75.59	77.11	1.52	<.001	<.01
		- Banded QZMZ BXA										"053	77.11	78.64	1.53	<.001	<.01
		- " " "										"054	78.64	79.71	1.07	<.001	.01
		- QZMZ BXA, 4Dcm bleached AND										"055	79.71	81.35	1.64	.015	.04
		ESITE DYKE and 50cm Black															
		Bxa w. 60% matrix (40% Silic.															
		buff fragments) (UNBANDIED) Massive															

* Q eyes of MIDDLE QFP!

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

→ 10% PY in BL. BXA

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ^{g/t}	Ag ^{g/t}
		AND. DYKE contacts 45° to 60° to core axis															
		- QZMZ fault & shear (7cm) zone										B195	81.35	82.83	1.48	<.001	<.01
		No Bl. Bxa.						0	1	95.3		"056					
		- QZMZ BXA w. 30cm. AND. DYKE at lower contact. AND. tgs. dissem. ASPY needles										"057	82.83	84.88	2.05	<.001	.01
84.88	92.77	TYPICAL SOUTH MARKER FELDSPAR PORPHYRY DYKE - contacts sheared and 45° and 40° to core axis.	0	0	2	3	0	0	0	99.85							
92.77	130.19	ZONE OF 70% ANDESITE. <u>DYKES cutting ALT'D & BXATED QUARTZ MONZONITE</u>	4	0	0	0	0	4	4	1/2	97.5						
		Structure: Dyke contact at 102.10 m = 50° to c. axis. STRONG STWK OF Q-CARB VNS CUTTING AND. DYKES. GRAY AND. DYKES up to 3 m long. At 104.56 m. contact = 50° to c. axis.															
		Alteration: Silicification of QZMZ BXA. Dissem. fuchsite (1-5%) in AND. DYKES.															
		Mineralization: 0.1% Py Tr. Aspy in And. dykes.															
		- 109.46 - 109.73 = Pyritic (3%) section of dark AND. DYKE															
		- 125.28 - 125.68 m = FAULT ZONE in QZMZ.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		- Inv. contact 45° to c. axis.															
130.9	151.79m	ALTERED QUARTZ MONZONITE w. local CRACKLE BRECCIATION. - a "few" small (<30cm) ANDESITE DYKES		0	3	3	1/2	1/3	1/3	95.5							
FAULT ZONE	*	Structure: 132.90-138.07m = FAULT ZONE, w. gouge & fracturing (RQD = 0.2)															
		Alteration: Clay or sericite alt. of plag. From 145.17m K-spar is pink and fresh															
		Mineralization: Tr Py except for 135.03 - 135.23m w. 2% diss. PY. in QZMT.															
		E.O.H = 498' = 151.79m.															

Logged By: <u>T.M. Elliott</u>	Field Coordinates: <u>4400E 2666 N.</u>	Core Size: <u>NQ</u>
Property: <u>GODDELL DECLINE</u>	Survey Coordinates: <u>932m el.</u>	Hole Length: <u>643' = 195.99 meters</u>
Target: <u>MINZ'N BELOW 97-42</u>	Azimuth / Dip: <u>180°/-67°</u>	Downhole Surveys: <u>(1) 250' = 76.2m = -65°</u>
Started: <u>FEB 17, 1997</u>	Drilled By: <u>Caron D.P.</u>	<u>(2) 453' = 138.07m = -66°</u>
Completed: <u>FEB 24, 1997</u>	Claim: <u>POP</u>	<u>(3) 643' = 195.99m = -65 1/2°</u>
	Casing: <u>HW 3ft = 0.91m.</u>	
Assays By: <u>Acme Labs.</u>		

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericitic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	0.91m	CASING															
0.91m	71.70m	ALTERED MASSIVE QUARTZ MONZONITE cut by ANDESITE DYKES															
		Structure: 6mm Qm w. phyllic selvage at 70° to c. axis at 7.40m - 27.95 - 29.87m = Fluid zone w. some shear - 54.20m = AND DYKE contact ca 45° to c. axis.	0%	4%	34%	30%	2%	1/2	98.7								
		Alteration: Mainly bleaching of mafics; light ser → plagi; Hem. staining of fresh K-spar															
		Mineralization: Tr. PYRITE															
		- 23.80m - 24.20m = Speckled AND. DYKE Tr. Py.															
		- 26.90m = 2cm Qm at 80-85° to c. axis.															
		- 39.22m - 42.66 = Speckled (10% chl) ANDESITE DYKE															
		- 48.53m - 51.38 = AND DYKE as from 39.22m - 42.66m. Weak veining. PROPYL. ALT'N (CHL.)															
		- MODERATE SERICITIC ALT'N PICKS UP after 51.38m															
		- AND DYKE w. bleached contact (1-2% PYRITE) from 54.20m - 56.42m ✓ in BLACK SHEAR															

INCLUDES

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ^{g/t}	Ag ^{g/t}	
		55.56m - 56.06m = Black fault gauge rubble RQD = 0 Recovery? Maybe 50-70%? Sample "058" includes 15cm chunk of PYRITIC AND DYKE w. Tr. ASPY needles ESTIMATE * Q - 5x Bxa vein w. 15cm 50% * STIBNITE ca 30° to c. axis. PLUS 10-15% PYRITE & Tr. SI - 58.83 - 59.73 = Bleached, speckled AND DYKE - 62.04m - 64.10m = AND DYKE w. bleached fuchsitic (2-50%) contacts for 30-50cm Q-carbined Contacts ca 40-45° to c. axis & sharp						**4	4	60	2	195058	55.41	56.06	0.65	.090	.12	
71.70	97.00	<u>BUFF QUARTZ-FELDSPAR PORPHYRY</u> * Major Dyke! 5% Q phenos, 5% feldspar phenos <u>Structure</u> : upper contact sericitized for 30cm then 30cm Black bxa (solid) Contact(s) ca 25° to c. axis. ? 2-5% PY? Crackle brecciation for 2m from upper contact w. diss PYRITE (< 1/2%) Well fractured to 83.21m then RQD higher <u>Alteration</u> : Clay alt & feldspar phenos; Local, occasional sericitization - OTHERWISE FRESH.																

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ^{g/t}	Ag ^{g/t}
		<u>Mineralization</u> : Diss. & fract. quartz contacts; otherwise Trace Dissem. Pyrite (cf. Central QFP!)															
		--lower contact ca. 40° to c. axis															
97.00	100.01	<u>PARTLY MINERALIZED ANDESITE</u>	0	0	0	0	2	3	2	99.9							
		<u>DYKE</u>										B195	100.35	100.80	0.45	.048	.06
												"059					
		<u>Structure</u> : Lower contact sharp at 45° to c. axis. Upper contact sharp at 30° to c. axis.															
		<u>Alteration</u> : possible weak silicification; 3-4% green Fuchsite (?) Mod. A-Carb vnlts.															
		<u>Mineralization</u> : 100.35-100.80m Py															
		-Aspy over 21cm. Overall 3% Py															
		0.1-0.2% ASPY															
100.01	114.01	<u>TYPICAL NORTH MARKER QTZ</u>	0	0	3	0	0	0	0	98.7							
		<u>FELDSPAR PORPHYRY DYKE</u>															
		- green ser. clasts. as per usual.															
		- 100.01-102.24 - may be a small "portion" of Central QFP															
		* w. pyrite; otherwise the dyke is N. QFP															
		<u>Altⁿ</u> - Feldspar phenos rel. fresh.															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au 	Ag 
		<u>Alteration - local silicification.</u>														oz/t	oz/t
		-146.23 to 147.20m = strong seric- itization of matrix (alteration)															
		<u>Mineralization - none</u>															
149.70	182.70	LOW GRADE(?) DISSEMINATED MINERALIZATION IN QUARTZ MONZONITE w. a few ANDESITE (after 174m) DYKES up to 30 cm. in intersection										B195					
		* - BEST PART OF ZONE IS										"061	149.44	150.85	1.41	.005	<.01
		* FROM 163.84m to 182.70m										"062	150.85	152.12	1.27	<.001	<.01
		* ≈ 18.84 metres = Zone of Q										"063	152.12	153.59	1.47	.006	<.01
		* sulphide veins and zones of surrounding										* "064	153.59	153.78	0.19	.208	.21
		* phyllic alteration										"065	153.78	154.84	1.06	.001	<.01
												"066	154.84	156.36	1.52	.001	<.01
												"067	156.36	157.89	1.53	<.001	<.01
		Structure: Veins ca. 60-70° to c. axis. And. dyke contacts = 50° to c. axis. Veins are brecciated.										"068	157.89	159.41	1.52	<.001	<.01
												"069	159.41	160.83	1.52	<.001	<.01
												"070	160.83	162.46	1.53	<.001	.01
												"071	162.46	163.87	1.41	.003	.01
		Alteration: Mod - STRONG SER & phyllic alt'n.										* "072	163.87	165.34	1.47	.004	.02
		Mineralization: 11 of 12 veins in Best Part of Zone and after 174m. Veins contain Stibnite and Sphalerite w. phyllic PY-ASPY selvage up to 40cm in intersection. Veins are up to 2cm thick										* "073	165.34	166.74	1.40	.076	.01
												* "074	166.74	168.17	1.43	.004	.03
												* "075	168.17	169.71	1.54	.010	.05
												* "076	169.71	171.60	1.89	.114	.07
												* "077	171.60	172.56	0.96	.003	.03
												* "078	172.56	173.77	1.21	.025	.02
												* "079	173.77	174.65	0.88	.227	.15
												* "080	174.65	176.39	1.73	.209	.17
182.70	195.99	ALTERED QUARTZ MONZONITE CUT BY UNMINERALIZED ANDESITE DYKES - see page 6 for RQD, ALT'n, etc.										* "081	176.39	176.87	0.49	.006	.17
												* "082	176.87	177.77	0.90	.143	.10

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Logged By: <u>T.M. Elliott, W.D. Murray</u>		Field Coordinates: <u>4400E 2666N, 932m el.</u>		Core Size: <u>NQ</u>													
Property: <u>Goddell Decline</u>		Survey Coordinates:		Hole Length: <u>828 ft = 252.37m</u>													
Target: <u>Below Min 2m in 97-43</u>		Azimuth / Dip: <u>190° / -73°</u>		Downhole Surveys: <u>(1) 253' = 77.1m - 72 1/4°</u>													
Started: <u>FEB 21, 1997</u>		Claim: <u>POP</u>		<u>(2) 503' = 153.31m = -72°</u>													
Completed: <u>FEB 25, 1997</u>		Casing: <u>0.91m = 3 ft</u>		<u>(3) 753' = 229.51m = -72 1/4°</u>													
Assays By: <u>Acme Labs</u>																	
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	~~SESS~~	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
0	0.91	CASING	0	0 1/3	0 1/3	0 1/3	0	2	0 1/3	99	85						
0.91	49.28	<u>VARIABLY ALTERED MASSIVE QUARTZ MONZONITE - no dykes!</u>															
		<u>Structure:</u> Veins 45-70° to c. axis. = Q and Q-Carb.															
		<u>Alteration:</u> Dominantly clay-alt'd (white) plag w. pink K-spl and bleached former mafics; also locally chloritic mafics = propylitic alt. some horn after feldspar at top of section (soft bright pinkish-red. soft feldspars)															
		<u>Mineralization:</u> Tr-Mod. Py esp. in weak phyllic alt. selvages at 70° to c. axis. Tr. aspy in phyllic selvages. 49.20m = 1cm Q via w. disc St.															
49.28	134.28	<u>VARIABLY ALTERED MASSIVE Q72 MONZONITE CUT BY ABUNDANT ANDESITE DYKES</u>	0	1/4	1/3	1/2	0	1/3	1/2	97	75						
		<u>Structure:</u> Strong fract. zone in pyritic And. dyke. Fract zone from 49.83m - 51.00m. And. dyke from 49.28m to 53.22m = 3.94m of dyke. Andesite dyke contacts 20°, 30°															

*Very small

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
156.54	169.76	ALTERED QUARTZ MONZONITE BRECCIA and BLACK BRECCIA Bl. Bxa section sampled for assay.	0	0	1/4	1/4	0	1	1/3	98.8							
												B 195					
		Structure: Orientation of fragments & banding in black bxa $\approx 25^\circ$ to c. axis. Lwr. contact = sheared. Ductile sec. healed shears.		Fl. Bxa					1/2	98.9		"089	164.16	165.84	1.18	.026	.03
		Alteration: Strong sec. alt. healing QZMz BXA. Local hematite on fract. Bl. Bxa = clay-py? (ground)		Fl. Bxa					2/3	98.7		"090	165.84	167.16	1.32	.205	.19
		Mineralization: esp. from 165.84 to 167.16m = Qtz frags up to 4cm across w. Sh_2S_2 , Sh & Py . Total 2% Sulphides (1 1/2% Py)							1/2	98.8		"091	167.16	168.34	1.18	.059	.05
169.76	176.97	PARTLY SHEARED (FAULT ZONE) SOUTH MARKER (Q) FELOS PAR PORPHYRY DYKE	1/2	0	4	0	0	1	0	98.6							
		Structure: 70% fault gouge (at ends of zone from 170.29 - 172.09m. otherwise massive, Lwr. cont. $\approx 15^\circ$ to c. axis.															
		Alteration: Strong sericitization of matrix. At 173.33m = 10cm Q-coals in for 10cm up c. axis (1-5mm wide).															
		Mineralization: None.															
176.97	197.24	ALTERED QUARTZ MONZONITE BRECCIA w. minor BLACK BXA.	0	0	1/4	1/4	1/4	1/3	1/3	97.7							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
		<u>Str. Alt'n & Minz^{on}</u> - see 156.54 - 169.76m.															
		A. continuation of the sericitic breccia zone										B 195 "092					
		- minor, 4cm wide nearly BULK QTZ. VN. cty. minor disc. dy at 25° to c. axis. Host = QZMZ BXA w. 1-2% Py										195 "093	190.88	191.78	0.90	.055	.02
		- QZMZ BXA w. minor 1cm Qtz. frags.										195 "094	194.69	195.53	0.84	.004	.03
		- 35cm Q-Sx BXA w. py between frags of Qtz.; then 30cm Q Porphy dyke w. dissem. py and veins of py-clay(?); then 4 more lenses of Qtz. the best of which is 3cm x 4cm w. dissem. native silver(?) - pyrite.										4390.8 "094	195.53	197.24	1.71	.045	.09
		- Lwr contact w. barren dyke at 25-30° to c. axis.															
197.24	208.43	<u>BARREN, SILICEOUS QTZ. PORPHYRY DYKE</u> - Post Mineral. 3% Qtz. eyes → 1-2 mm	0	0	0	0	0	0	0	0	99.9						
		<u>Structure</u> - upper contact 6cm d sericitic. Looks like Feldspar Porphyry Marker Dyke															
208.43	219.19	<u>BARRENSPLAY OF S. MARKER FELDSPAR PORPHYRY DYKE</u>	2	0	2	0	0	0	0	0	99.9						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au 	Ag 
		<u>Structure:</u> Upper contact fresh & sharp at 15° to axis.															
		<u>Alteration:</u> Wk. ser. of plag. <u>Silic. from 215.75m.</u>															
		<u>Mineralization:</u> None. to end of dyke.															
		<u>- Lwr. contact irregular - 245° to axis.</u>															
219.19	235.90	Quartz Monzonite - Sericitically altered, shearing. Pale green-grey.	2	0	4	1	1	1	3	99.7							
		<u>Structure:</u> Solid hard core. Narrow, healed ductile-brittle shear. Sericite clay cemented. Fractures common. Minor pyritic calc. breccia. Gradational lower contact.															
		<u>Alteration:</u> Strong to moderate sericite 1/2 clay, carbonate.															
		<u>Mineralization:</u> 1-2% dissemin. pyrite. Trace arsenopyrite.							1	3	99.4	195095	223.10	224.10	1.00	.008	.02
		5cm Q-stibnite vein (~20% stibnite) + 1% sphalerite, minor aspx, py. 70°* @ 224.5m							3	3	99.2	195096	224.10	225.10	1.00	.218	.21
									1	3	99.6	195097	225.10	226.10	1.00	.002	.01
		18cm bluish t andesite breccia @ 232.5m, 1x aspx.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
235.90	247.00	Shear Zone - Healed Cataclasite & ductile shear, 25% black breccia	1	0	4	1	2	2	2	99	1.0	195098	235.90	237.00	1.10	.037	.02
		Andesite Dyke, bleached & sheared 240.6-242.7m	1	0	4	2	1	2	2	99	1.0	195099	237.00	238.00	1.00	.020	.08
			1	0	4	2	1	2	2	99	1.0	195100	238.00	239.00	1.00	.005	.04
			1	0	3	1	1	2	3	99	1.0	195101	239.00	240.00	1.00	.040	.15
		Structure: Penetrative fabrics, 20°-70° &, average ~40° &. Black cataclastic breccia common.	2	0	3	1	1	2	3	99	1.0	195102	240.00	241.00	1.00	.015	.09
		Ductile shear common. Solid hard core.	3	0	3	1	2	2	3	99	1.0	195103	241.00	242.00	1.00	.006	.01
		Rare, narrow clay/gouge seams.	2	0	4	2	2	2	3	99	1.2	195104	242.00	243.00	1.00	.002	.01
			1	0	4	1	1	2	3	99	.9	195105	243.00	244.00	1.00	.005	.03
			2	0	4	1	1	2	3	99	1.0	195106	244.00	245.00	1.00	.067	.14
		Alteration: Strong sericite, weak clay, carbonate.	2	0	4	1	1	2	3	99	1.0	195107	245.00	246.00	1.00	.004	.12
			1	0	4	2	1	2	3	99	.9	195108	246.00	247.00	1.00	.019	.05
		Mineralization: Dissem. pyrite 1-3%. Trace aspy. Rare, weak veining.															
247.00	253.37	Quartz Monzonite - pale pink & green	1	0	3	1	0	1	1	99	.9						
		Structure: Solid hard core. Narrow, healed ductile-brittle shears common.															
		Alteration: Weak to moderate sericite. Plag. is waxy green, locally drill hole. Minor carbonate trace clay.															
		Mineralization: Dissem. pyrite near upper contact. Weak hematite staining below ~248.5m															
		253.37 m E.O.H.															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
64.45	98.65	Mineralization: Hematite in darker sections, minor pyrite in bleached zones. Minor dissem. aspy. + py. near black breccia 93.4 - 96.4 m.	1	0	3	1	0	2	2	99.9	195111	93.40	94.40	1.00	.008	.04	
(continued)			1	0	3	2	0	2	2	99.7	195112	94.40	95.40	1.00	.011	.07	
			2	0	3	1	0	1	2	99.9	195113	95.40	95.50	1.00	.036	.04	
98.65	107.70	Quartz Monzonite - pale green, mottled	1	0	3	1	0	1	1	99.8							
		Structure: Solid hard core. Narrow sericitic shears common. Slightly blocky core locally.															
		Alteration: Weak to mod. sericitic, minor clay on fractures. Matrix bleached. Plag. commonly still hard.															
		Mineralization: Weak dissem. pyrite. Local pink hematite stain.															
107.70	115.50	Andesite Dyke + Cataclastic Shear Zone	2	1	3	1	0	2	2	99.8							
		- mottled pale grey-green, minor dark grey-green															
		- cataclastic rock is low in pyrite, is not black															
		- dykes 107.7 - 111.7m, 112.8 - 113.9m, 114.4 - 115.5m															
		Structure: Cataclastic rock is granitic derived. Healed, ground breccia texture. Andesite dykes show weak (to mod.) deformation. Dyke contacts irregular, variable, upper 60° & lower 15° &.															
		Alteration: Dykes bleached, sericite 1/4 Cr-mina, calcite veins common.															
		Mineralization: Local hem. Dissem. py. ≤ 1%, Tr. aspy. ~ 111.2m	1	0	2	1	0	2	3	99.8	195114	111.00	111.50	0.50	-.001	.05	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ	
115.50	144.90	Quartz Monzonite - Sheared - mottled pale green - rare sections AN/D < 10cm, v. illitic Structure: Solid, hard core, local blocky calcite w/ cl. / orange on leucites (esp. 137.0-142.0m) Healed chlorite bitite above & breccia common Alteration: Mod. to strong, sericite +/- clay, trace calcite, silicification down. Mineralization: Dissemin. pyrite < 1%, Minor sections w/ weak hematite staining.	1	0	4	1	1	2	1	98	.6							
144.90	199.00	North QEP Dyke - typical - sheared granitic (basaltic) (healed) 1578-160.1m - pale green, Q eyes locally abundant - green block phase @ 174.8m - 188.0m = "typical" Structure: Local flow banding, 10"-30" x. Minor healed breccia texture between dyke phases. Lower contact ~ 20". Alteration: Mod. sericite. Plag. phases locally, salt clay. Trace calcite. Mineralization: "Barren". Irreg. Q-py. veinlets 178.0-178.7, in fault contact w/ green blocky phase of dyke. Dark grey hairline Q veinlets (w/py.) locally common.	1	0	3	1	1	1	1	99	.9							
			1	0	3	2	2	2	2	71	.8	195115	178.00	178.70	0.70	<.001	.01	
198.90	208.60	Cataclastic Breccia - 40% Black Breccia - mottled grey-green and black w/ pale fragments - subangular to subround fragments dominantly granitic, local felsic dyke frags, minor vein Q, other frags																

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
198.90	208.60	Structure: Solid, hard core. Healed cataclastic breccia w/ green to black ser. +/- py. matrix. Fragments commonly subround, <5cm.	1	0	4	1	2	1	3	99	1.0	195116	198.90	200.10	1.20	<.001	.03
(continued)			1	0	3	1	2	1	3	1	1.0	195117	200.10	201.30	1.20	.009	.02
			1	0	4	1	2	1	3		.9	195118	201.30	202.50	1.20	.006	.02
			1	0	4	1	2	1	3		.9	195119	202.50	203.70	1.20	.008	.02
		Alteration: Strong sericite, local Q, carbonate clay.	1	0	4	1	2	1	3		1.0	195120	203.70	204.90	1.20	.003	<.01
			1	0	4	1	2	2	3		1.0	195121	204.90	206.10	1.20	.004	.01
		Mineralization: Dissem. py. 0.5-3%, v.f.g. & mg.	1	0	3	1	2	1	3	↓	.9	195122	206.10	207.30	1.20	.002	<.01
		Rare aspy. - Local vein Q (rare silicification. (205.5m trace)	1	0	4	2	2	1	3	99	.9	195123	207.30	208.60	1.30	.010	<.01
208.60	240.43	MIXED SERICITIZED Q.M. (WITH ANDESITE DYKES)	1	0	4	2	2	1	1	99	.85						
		212.23 - 213.47m - ANDESITE	1	0	3	2	2	1	3	99	.8	195124	211.63	213.47	1.84	<.001	<.01
		224.86 - 225.16m - ANDESITE *	1	2	2	0	1	1	3	99	.95	195125	221.50	222.46	0.96	.030	<.01
		- mottled material, pale green	1	0	3	1	1	1	2	99	.95	195126	238.66	240.43	1.77	<.001	<.01
		Structure: lower contact 30° t.ca.															
		strong alteration with small veinlets of black brx also 30° t.ca.															
		- 232.80 to 233.90 heavily faulted															
		- very sharp contact 45° t.ca. @ 212.23m															
		Alteration - strong sericite, large angular fragments of pyrite rich quartz found in sampled segments															
		- fuchsite phenocrs in andesite 2mm in diameter															
		Mineralization: Py 10-20% v.f.g. - concentrated around Qtz-carb veins or clasts @ 221.80 tr. ASPY - higher % Py and carbonate at lower contact															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
240.43	245.14	MYLONITIC BLACK BRECCIA WITH LARGE (ASPY) QUARTZ EYELETS - 15% SERICITE	2	0	3	1	2	1	3	99	.9						
			2	0	2	1	2	0	4	99	.9	195127	240.43	241.16	0.73	.025	.26
		Structure: very heavily altered, healed shear zone, Py rich with undulating banded sericite - fresh partly healed sericite - gradational lower contact (15cm) ~ 45° to c.a. sub angular fragments - 2mm - 2cm max	1	0	0	0	3	0	4	99	.9	195128	241.16	241.86	0.70	.046	.21
			1	0	2	2	1	0	2	99	.9	195129	241.86	242.62	0.76	.029	.13
			1	0	2	2	1	0	3	99	.9	195130	242.62	243.23	0.61	.069	.06
			3	0	2	2	0	0	0	99	.9	195131	243.23	243.58	0.35	.001	.01
			2	1	3	1	1	3	3/4	100	.95	195132	243.58	244.75	1.17	.030	2.62
			3	0	2	2	1/2	1	1	95	.7	195133	244.75	245.16	0.41	.001	.04
		Alteration: sericitized (clay) w. carb/otherwise brx. 242.62 - 242.74 m - cataclastic 243.23 - 243.58 m ~ to Py, no ASPY 244.75 - 245.00 m															
		Mineralization: overall 5% Py or more with sections of ASPY rich material ① 241.00 - 10cm of stibnite (3-5cm blebs of solid stibnite with ASPY) ② 243.58 - 243.70 very silicious material w. ASPY, plus tr. sph.															
245.14	265.16	S. MARKER DYKE	1	0	1	0	0	0	0	99	.9						
		Structure - monolithic and heterogeneous - 5cm of gradational lower contact 40° to c.a. V. part mottled															
		Alteration - @ 246.00 - weakly altered matrix															
		Mineralization - none (typical S. Marker Dyke)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
265.16	276.37	ANDESITE DYKE WITH BLEACHED MOD. ALTERED Q.M.	2	1	2	0	1	2	1/2	99	.95						
		Structure: lower contact undulated @ 45° tea.	1	1	2	0	1	1	2	99	.9	195134	265.23	265.90	0.67	<.001	.02
		large carb veins cut at 10° tea	2	0	3	0	2	2	2	99	.9	195135	265.90	266.59	0.69	.142	.08
		other contacts 30° - 40° tea.	2	0	1	0	1	2	2	99	.95	195136	274.27	275.05	0.78	.004	.03
		Alteration: cracked by gtz carb veinlets	0	0	1	0	2	1	3	98	.85	195137	275.05	276.40	1.35	.030	.13
		275.11 to 276.37 mylonitic blackbrx.															
		- overall weakly sericitized															
		- some of the AM/A's are stained w. hematite?															
		Mineralization: trace to weak Py - essentially barren Andesite - 100% fuchsite phen's with trace sphalerite.															
		- to ASPY in black breccia?															
276.37	284.80	LOW GRADE MINERALIZED Q.M. WITH TRACE ANDESITE DYKE AT LOWER CONTACT	2	2	1	0	2	3	2	99	.9						
									2	99	.9	195138	281.85	283.20	1.35	.006	<.01
									2	99	.9	195139	283.20	284.31	1.11	.013	.01
									3	99	.8	195140	284.31	284.80	0.49	.025	.01
		Structure: veins 70° tea. with lower contact 60° tea. slick? cracked and infilled with black brx															
		Alteration: moderate ser. alt with some phyllic alteration as well, somewhat weathered, bleached in upper zone															
		Mineralization: gradational ASPY near lower contact, blobs of Py at contact, overall >3% Py, 100% ASPY?															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
284.80	310.81	BLEACHED QZ.MZ - WITH SMALL STRONG ZONES OF MINERALIZATION	1	1	0	0	4	2	1	99	.95						
		Structure: monolithic with continuous minor qtz. carb veins - 1mm in width - grad	1	0	0	0	4	3	3	99	.95	195141	295.44	296.52	0.58	.121	.30
		Alteration: @ - 295.90 10cm wide qtz vein - 301.42 to 302.22 kspar flooded with sericitic filled fracture f - 314.25 to 316.30 propylitic with mineralization							↑ CHALC								
		Mineralization: more Py where bleaching is less pervasive - overall silicic - trace chalcopyrite															
310.81	331.62	WEAK PROPYLITICALLY ALTD. QUARTZ MONZ. - MAFTIC	2	2	1	0	1	2	1	99	.95						
		Structure: weak crackling, some large clasts of unmineralized andesite dyke found - grey, very round, luggy? - 80% fresh rock - gradated										195142	315.27	316.30	1.03	.024	<.01
		Alteration: weak prop., weak sericitic, perthitic - possibly															
		Mineralization: overall weak to trace, 170 or less Py @ 311.85 was it? trace of sh. blue - purple mineral E. O. H.															

Logged By: C. Kuntz		Field Coordinates: 4350 E, 2673 N, 939m. el.		Core Size: NQ													
Property: Goldell		Survey Coordinates:		Hole Length: 533' (162.46m)													
Target: Main Ore Zone		Azimuth / Dip: 180° / -58° actual		Downhole Surveys:													
Started: March 3 / 97 7:00 a.m.		Claim:		(1) 250 -56°													
Completed: March 6 / 1997 11:00 a.m.		Casing: 5' feet		(2) 533' (162.46m) -53.5°													
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Phyllic	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au ~~g/t~~ oz	Ag ~~g/t~~ oz
0.00	0.91	CASING															
0.91	18.00	UNALTERED QZ-M.F.	1	1	1	0	1	1	0	99	.95						
		Structure: massive, fresh to weakly bleached with small 2mm wide qtz-carb veins at 60° to ca. - lower contact is granulation and has a stilbite rich selvage															
		Alteration: weakly bleached in sections dominantly fresh K-SPAR															
		Mineralization: almost to trace Py															
		(NB: between 18.00m & 63.50 the % of Py is gradationally higher w. depth)															
18.00	60.40	MOD. ALT. MASSIVE QUARTZ MONZ. cut by MINOR AN/D	1	2	2	1	1	2	2	99	.95						
		Structure: clay sericite filled fracture @ 45° to weak to moderate crackling in mafic fractures are often slick - & lower contact 45° to ca. - slick	2	2	1	0	1	2	2	99	.95	195143	17.30	19.20	1.90	.004	.01
		Alteration: Hematitic fractures, cracked, through andesite dykes - sharp angled contacts with dykes - QZ-MF is bleached, angular fuchsite phen's in AN/D	1	3	1	1	0	2	2	99	.95	195144	19.20	20.30	1.10	.002	.02
		Mineralization: AN/D - 5-7% Py with ASPY sections - large Py phen's (2mm-4mm) strong He ⁺ staining @ 20.0m	1	2	3	0	0	1	1	99	.95	195145	20.30	21.60	1.30	.010	<.01
			2	2	0	0	2	2	3	99	.95	195146	28.00	29.80	1.80	.001	.01
			2	3	1	1	1	2	3	99	.9	195147	38.60	40.30	1.70	.055	.03
			3	0	0	0	1	3	2	99	.95	195148	56.30	58.00	1.70	.001	.01
			0	1	0	0	0	1	1	99	.95	195149	58.00	60.20	2.20	.001	.01

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Page 1 of 4

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t oz	Ag g/t oz
60.40	89.60	MOD. TO STRONG MINERALIZED FLOW BANDED MIDDLE DYKE (BLUFFED IN LOCAL SEGMENTS)	1	0	1	2	1	3/4	2/3	95	.8						
		Structure: massive but intensely faulted	0	0	2	0	2	1/3	3/4	97	.7	195150	60.20	61.90	1.70	.007	.07
		or sheared, very sugary - very	0	0	2	1	2	1/3	3	95	.7	195151	61.90	63.50	1.60	.033	.01
		slick upper contact - less slick at depth	1	0	2	2	1	2	2	95	.7	195152	63.50	64.90	1.40	.002	.02
		45° tra @ 64.80 very slick 45° tra	0	0	0	1	1	2	2	95	.7	195153	64.90	66.45	1.55	.004	.01
		strong flow banding near contacts	0	0	0	1	1	2	2	95	.7	195154	66.45	67.95	1.50	.007	.01
		and large stibnite veins mylonitic?	0	0	2	2	1	2	2	90	.6	195155	67.95	69.50	1.55	.019	.03
		stepped lower contact with N. Marker	0	0	0	1	1	2	2	97	.8	195156	69.50	71.00	1.50	.016	.01
		Alteration: mod. to strong crackling throughout;	1	0	0	1	2	2	3	90	.5	195157	71.00	72.55	1.55	.017	.02
		quartz eyelets are often enveloped	1	1	0	1	3	4	4	95	.5	195158	72.55	74.20	1.65	.022	.03
		by 1mm band of carbonate - tr sericit.	1	0	0	0	1	2	1	98	.8	195159	74.20	75.60	1.40	.038	.02
		strong qtz-carb veinlets < 1mm in diameter	0	0	0	0	1	2	1	98	.9	195160	75.60	77.50	1.90	.023	.02
		Mineralization: Py tends to be blebbly or a bit	1	1	0	1	3	4	3/4	99	.95	195161	77.50	78.50	1.00	.057	.11
		more massive near sericitic alt.	1	1	0	0	1	2	2	99	.85	195162	78.50	80.15	1.65	.015	.11
		78.40 ← @ 76.40 - 4mm wide solid Sb vein	1	0	1	0	1	2	2	99	.95	195163	80.15	81.70	1.55	.018	.04
		overall 4-5% Py with ASPY	1	0	0	0	1	2	2	99	.95	195164	81.70	83.20	1.50	.011	.01
		localized to flow banded sections	1	0	1	0	1	2	2	99	.95	195165	83.20	84.70	1.50	.008	.03
		0.5-1% ASPY * (?) - maybe less	1	0	1	0	1	2	2	99	.95	195166	84.70	86.25	1.55	.005	.01
		Comments: the Middle Dyke has been displaced	1	0	1	0	1	2	2	99	.75	195167	86.25	88.50	2.25	.007	.02
		to be above the N. Marker. It is	1	3	2	0	1	2	3	99	.8	195168	88.50	89.60	1.10	.005	.01
		extremely well mineralized. Heavy															
		clearing at both the upper and lower															
		contacts has allowed 1st% Py and															
		(3-5% ASPY to be deposited! Overall															
		a very mineral rich zone.															
		part blebbed faultts @ 64.10m - brk?															
		67.90m															
		Nb 78.00m - 1cm bleb of native silver!															

*dubious - I noted stibnite & aspy. w/m

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t OZ	Ag g/t OZ
89.60	96.85	N. MARKER Q.F.P. - green ser. clasts - fresh feldspar phenos	1	0	3	0	0	0	0	98	.85						
96.85	107.40	67% MONZONITE BRECCIA WITH MYLONITIC BLACK BRX (40%)	1	0	2	1	1	1	3	98	.9						
		Structure: 5cm - 10cm bands of 5-10% Py dark mafic andesite dyke mixed with ductile grey andesite segments ASPY rich - lower contact 45° tea with 1.0m of healed fault - no Py	1	1	1	0	1	0	3	99	.9	195169	96.85	98.50	1.65	.001	.01
		Alteration: sericitized Q.M. and mod. ser. BLACK BRX - rock healed by ductile material	1	0	1	0	0	2	3	99	.9	195170	98.50	100.00	1.50	<.001	<.01
		Mineralization: mod. Py with ASPY gray AN/D clasts and ductile andesite scoriae - brecciated	1	0	1	0	1	0	4	99	.9	195171	100.00	101.50	1.50	.010	.03
		Comments: between 102.60 and 103.30m is a very siliceous remnant of a a QFP dyke, very cracked w. ASPY - followed by strong-mod. mineralization	1	0	2	0	1	0	3	99	.95	195172	101.50	102.60	1.10	.006	.01
			0	0	1	0	0	4	2	99	.95	195173	102.60	103.30	0.70	.005	<.01
			1	0	2	0	1	0	3	99	.8	195174	103.30	104.55	1.15	.025	.04
			1	0	3	3	0	1	1	95	.7	195175	104.55	106.45	1.90	<.001	<.01
89.60	114.70	BARREN ANDESITE DYKE CUT WITH CARBONATE VEINS - trace Py and small 1mm wide hematite veins - intensely carbonated - sharp lower contact 45° tea.	3	0	1	0	0	4	0	99	.9						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au g/t	Ag g/t
114.70	125.70	TYPICAL S. MARKER DYKE	1	1	2	0	1/2	1/2	0	99	.9						
		- gradational lower contact (one metre of physically alt. & sericitized material)															
		- cubic phenos heavily bleached															
		- tr. quartz stringers - barren															
		- small AN/D fragment < 5cm, also barren - essentially no PY or ASPY in this zone															
125.70	151.80	BLEACHED ALTERED Q.M. WITH MIXED MINERALIZED AND UNMINERALIZED AND. DYKES	1	1/2	2	0	1	1	1/3	99	.90						
			1	0	3	0	1	2	2	99	.9	195176	125.70	127.40	1.70	.031	.03
		Structure: lower contact 40° tea (gradational) planar fractures 45° tea with possible slicks at contacts with Andesite Dyke	1	0	1	0	1	1	1	99	.95	195177	127.40	128.90	1.50	.014	.01
		not a continuous unit, sharp contacts!	1	0	0	0	0	0	3/4	99	.95	195178	128.90	130.00	1.10	.180	.05
		Alteration: phyllic locally and weak to mod. ser. in the alt. Q.M.	1	0	0	0	0	0	3/4	99	.95	195179	130.00	130.90	0.90	.704	.14
		Mineralization: in mineralized zones the Py (cubic) concentration goes from strong (Py crystals) to weak at depth, and higher up from weak to strong	2	1	1	3	3	3	96	.8	195180	144.45	145.70	1.25	.151	.11	
		typically 8% Py → 3% Py with ASPY patches (@ 144.90/3-5cm Qtz)	0	2	0	0	1	2	98	.9	195181	145.70	147.20	1.50	.010	.04	
			0	1	0	0	1	1	99	.95	195182	147.20	148.80	1.60	.059	.06	
			0	2	0	0	1	1	99	.95	195183	148.80	150.30	1.50	.117	.04	
			1	2	0	2	2	1	99	.95	195184	150.30	151.80	1.50	.018	.03	
151.80	162.40	POTASSIC ALTERED Q.M. CUT BY UNMINERALIZED CARBONATED ANDESITE DYKES → < 1% Py total	2	1	0	1	0	2	97	.95							

(E.O.H.)

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Logged By: C. Kuntz	Field Coordinates: 4350E, 2673N	Core Size: 110
Property: Gaddell	Survey Coordinates: Above 3rd Remuck in mine	Hole Length: 653', 199.03m
Target: Ore Zone at Gaddell Shear	Azimuth / Dip: 180° / -67°	Downhole Surveys:
Started: March 6/97	Drilled By: Carson D.D.	(1) 300' -63.5°
Completed: March 7/97 (7:00am)	Assays By: Armet Labs	(2) 653' -63°
	Casing: 3ft.	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	22.95	FRESH QZ-MX	1	1	0	0	1	1	2	99.95							
		Structure: massive, some bleached sections from 1 to 2.0 cm quartz carb veins, lower contact 40-50° fan. K-spar alteration - sharp lower contact															
		Alteration: predominantly K-spar Mineralization: absent to trace Py															
22.95	25.50	ALTERED AN/D WITH STRONG HEMATITIC STAINED FRACTURES	2	2	1	0	2	4	3	95.8							
		Structure: vuggy at contacts, lower contact is 40-50° fan.	3	2	0	0	3	4	4	70.5	195/85	22.85	23.75	0.90	0.005	21	+
		Alteration: upper and lower contacts very siliceous possibly brecciated near contacts	1	0	1	0	1	1	1	75.9	195/86	23.75	25.35	1.60	<0.01	<0.1	
		Mineralization: upper contact 8cm wide solid stilbite enveloped by elongated (clenoidal?) blks of Py in quartz carb matrix - 20cm total - 80% recov. - lower contact same but with 2cm wide Sb vein - Py is gradational throughout with higher concentrations being found near upper & lower contacts	2	2	0	0	1	3	2	95.8	195/87	25.35	26.15	0.80	0.018	04	+
		Comments - sample 195/87 is diluted with rock from next zone - 50cm of Py 2-3% - with trace Sb, Spl.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
25.50	62.30	WEAK SER. & BLEACHED QZMTZ (MINOR MTNZ'D ANDESTITE)	2	1	2	1	1	2	2	99.9							
		Structure: not massive, not equigranular, cracked slick joints near lower contact: lower contact sharp 30° t.ca.	2	0	0	0	0	2	1/2	99.95	195188	55.20	56.25	1.05	<.001	.01	
		(a) 59.65 - siliceous 10cm Sb vein	1	2	1	1	0	1	2	99.9	195190	57.30	58.55	1.25	<.001	.02	
		Alteration: weak propylitic alt. bleached & ser. Q.M.TZ - weak to mod. - cracked with gtz - each veinlets/stringers closer to lower contact	2	1	0	0	3	3	3	99.9	195191	58.55	60.05	1.50	.010	.03	
		Mineralization: overall approx 1% or less Py (Py increases) to ASPY (very little), to Sb. at lower = (a) 41.70m, 1.5cm blob of unknown material - anomaly, not typical V contact															
		Comments: (a) 56.70 - 57.20 slicks with strong clay - black - H=0,1, not mylonitic, poor reco fuchsite 10% ← 36.00 - 38.40 Andesite Dyke - no Py (b) 30.40 - 3cm blob of grey AN/D with ASPY needles															
62.30	93.80	BLEACHED QZMTZ - (PROP ALT'D?)	2	1	4	4	2	2	3	97.8							
		Structure: undulated contacts - sheared zones also have undulated contacts - 10° t.ca not massive 83.10 - 84.75 - very jaggy	1	1	2	0	3	2	2	97.9	195192	68.70	70.45	1.75	<.001	<.01	
		Alteration: ser. at lower contact, physically alt. higher up in unit - black box around 3-5cm gtz veins	0	0	1	0	3	2	3	95.8	195193	78.15	79.05	0.90	<.001	.02	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Mineralization: increasingly ASPY at depth,	1	4	3	0	3	3	2	99.9	195194	83.10	84.75	1.65	<.001	<.01	
		2-10 mm Hblg cubic fragments	3	0	3	3	2	3	3	74.5	195195	84.75	85.70	0.95	.007	.02	
		of Py higher up - to Hblg	2	0	2	1	0	3	1	99.7	195196	85.70	86.90	1.20	<.001	<.01	
		Comments: vuggy sections appear to be gtz	1	0	0	0	3	3	2	78.8	195197	86.90	88.20	1.30	.007	.01	
		flooded (15-20% gtz - very hard)	1	0	3	0	2	1	1	99.9	195198	88.20	90.50	1.30	<.001	.01	
		86.90 - 88.20 strong crackling in	1	2	3	1	3	3	2	79.85	195199	90.50	92.05	1.55	.004	.02	
		mod. - weak mineralized andesite dyke	2	0	4	2	0	0	4	98.8	195200	92.05	93.30	1.25	.112	.02	
		(sample 195193 - Hblg Py 3-5% overall)															
		sample 195200 - very ASPY for 70cm of															
		* * * sericite ductile shear															
		- contacts undulated at 10° tea for shear															
93.80	114.50	SERITIZED QZMF WITH															
		BARREN ANDESTITE DYKES CUT	3	0	3	1	0	2	1	99.9							
		WITH CAPP. VEINS & HEMATITE															
		Structure: mod. cracked to strong crackling															
		in andesite dykes - upper contact ksp															
		flooded 40° tea - lower contact gradational															
		, 40° tea as well.															
		Alteration: strong sericite															
		Mineralization: less than 1% Py															
114.50	117.51	S. MARKER Q.F.P DYKE	1	0	0	0	1	0	1	79.95							
		NB → no MINOR dyke or N. Marker															
		dyke in hole, not even remnant															
		or relic structure															
		- weak crackling at contacts															
		- 1 to 2mm gtz phenos, to Py															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
117.51	150.70	300% MYLONITIC BLACK BRX	0	0	0	1	0	3	3	98	.85						
		300% DARK GREY ANDESITE DYKE															
		400% MIXED ALTD QZMZ AND															
		LTGHI GREY AND. DYKE	0	0	2	0	0	1	4	99	.95	195201	117.50	118.35	0.85	.028	.04
		MIXED MINERALIZED ZONE **	0	0	3	0	0	1	2	99	.9	202	118.35	119.80	1.45	.011	.01
			0	0	4	0	0	0	1	99	.9	203	119.80	121.30	1.50	.009	<.01
		Structure: cut by crackled carb. veins	0	0	3	0	0	1	3	99	.9	204	121.30	122.80	1.50	.006	.02
		50cm of brecciated material at	0	0	4	0	0	0	2	99	.9	205	122.80	124.35	1.55	.002	.01
		lower contact - undulated and	0	0	2	1	0	0	3	99	.9	206	124.35	125.90	1.55	.029	.02
		gradational 70° tea	0	0	2	1	0	0	3	97	.8	207	125.90	127.40	1.50	.032	.04
		Alteration: (a) 132.50 phyllic	1	0	4	3	0	1	2	90	.5	208	127.40	128.95	1.55	.050	.06
		(a) 127.10 - 128.95 - clay	4	0	0	0	1	3	1	99	.95	209	128.95	130.45	1.50	<.001	.01
		strong crackling in entire unit	4	0	0	0	1	3	1	99	.95	210	130.45	132.00	1.55	.006	.03
		Mineralization: 133.60 - 134.90 - 3% ASPY 20% Py	4	2	1	0	2	4	2	99	.9	211	132.00	133.60	1.60	.055	.07
		138.04 - 139.10 - 20-30% Py	1	2	0	0	1	2	4	99	.95	212	133.60	134.90	1.30	1.499	.15
		142.70 - 149.05 < 20% Py	2	0	2	0	0	2	1	99	.9	213	134.90	136.55	1.65	.011	.01
		overall 1% ASPY, 8-10% Py **	4	0	3	1	1	4	2	98	.85	214	136.55	138.10	1.55	.004	.02
		Comments: ASPY & Py rich zones have sharp	3	0	0	0	0	4	4	99	.95	215	138.10	139.10	1.00	.709	.10
		contacts 70° tea - strong carb	1	0	2	0	0	2	2	99	.9	216	139.10	141.10	2.00	.002	<.01
		flooding w. stringers in AND	1	0	3	1	0	2	2	99	.9	217	141.10	142.20	1.10	.031	<.01
		- mylonitic black brx is typical but															
		for a higher Py and ASPY concentration	4	0	0	0	0	4	2	99	.85	195218	149.05	150.70	1.65	.003	.01
		near upper contact.										av.	133.60	139.10	5.50	.488	...
150.70	183.80	SER. CRACKLED Q.M. WITH	2	0	4	1	0	2	2	99	.9						
		BARREN ANDESITE DYKES															
		Structure: lower contact is gradational to															
		184.20m = 5cm quartz - carb vein															
		fractures 45-60° tea.															

Logged By: <u>C. Kuntz</u>	Field Coordinates: <u>4350E 2673N 939m el.</u>	Core Size: <u>N9</u>
Property: <u>Goddell Ramp</u>	Survey Coordinates: <u>42+50 line</u>	Hole Length: <u>904' 275.54m</u>
Target: <u>On border at depth</u>	Azimuth / Dip: <u>180°/-78</u>	Drilled By: <u>Caron D.O.</u>
Started: <u>07/03/1997</u>	Claim:	Assays By: <u>Acme Labs</u>
Completed: <u>10/05/1997 (9:00 a.m.)</u>	Casing: <u>3 ft.</u>	Downhole Surveys: (1) <u>250' -77°</u> (2) <u>500' -75°</u> (3) <u>800' -75°</u>

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	38.35	QZMZ - 30% BLEACHED - 70% FRESH Structure: planar to undulated 5-1cm wide carb-ate veins at 45° tea. & lower contact 3cm wide solid gte vein with kspars staining and ser. centre veinlet with trace crackling. lower contact is 20° to core axis. Alteration: weak propylitic in small sections, other wise pretty fresh Mineralization: 10% Py total. lower contact has 2mm to 5mm blobs (phenos) of moly along stringer veins of carb found in quartz.	1	2	1	0	0	1	0	199	91						
38.35	50.13	ANDESITE DYKE Structure: massive, large quartz carb veins 1mm - 5mm in width 30° tea. - cross cutting veinlets 50-60° tea. - crackled infilling with He ⁺ veinlets Alteration: 10% He ⁺ at upper contact to 10% at lower contact - light coloured andesite has blebby Py with 30-50% Py. - dark andesite has disseminated Py throughout 30% - fuchsite throughout entire unit - increasingly larger phenos	2	0	0	0	0	1/3	1/3	2	99	75					

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
38.35	50.15	Mineralization: @ 39.40-39.60, very silicic gtz-carb vein 30° tea tr. sphalerite tr. ASPY	2	2	2	1	3	3	2	95	.7	195223	38.35	40.00	1.65	.012	<.01
			2	0	0	0	0	2	2	99	.9	195224	40.00	41.60	1.60	.007	.01
			2	0	0	0	0	2	1	99	.9	195225	41.60	43.10	1.50	<.001	.02
		Continue dz: some sections of light grey andesite may have as much as 75% Py - closer to upper and lower contacts. The large upper gtz k-spr stained vein appears to be a marker for subsequent dykes deeper in the hole.	2	0	0	0	0	2	1	99	.9	195226	43.10	44.40	1.30		.01
			2	0	0	0	0	2	2	99	.9	195227	44.40	45.40	1.00		<.01
			2	0	0	0	0	2	2	99	.9	195228	45.40	46.95	1.55		.01
			2	0	0	0	0	2	1	99	.9	195229	46.95	48.45	1.50		.02
			2	0	0	0	0	3	1	99	.9	195230	48.45	50.00	1.55	↓	.02
			2	0	0	0	0	3	2	99	.8	195231	50.00	51.10	1.10	<.001	<.01
50.15	61.70	BLEACHED QZMZ	2	2	1	0	0	1	1	99	.95						
		Structure: semi massive. @ 59.00. 2cm wide k-spr flood gtz vein with blebs of moly - @ 60.70 1cm wide gtz-carb vein 45° tea - small quartz-carb veinlets at 70° tea - gradational lower															
		Alteration: 1.0m of strong propylitic contact alteration															
		Mineralization: 10% Py, 2% Sphl. tr Mo Sb.															
		Comments: similar structure to first QZMZ unit - not as wide															
61.70	65.20	ANDESITE DYKE LIGHT GREY to DARK GREY to ↓ LIGHT GREY	2	0	0	0	0	2	2	97	.85						
		similar to andesite unit above	1	0	0	0	0	0	1	99	.95	195232	61.70	63.30	1.60	.002	<.01
		5-7% Py in ser. altered zone @ 62.80m	3	0	0	0	0	2	2	98	.9	195233	63.30	64.50	1.20	<.001	.01
		Hot staining then cracked light grey andesite silicic zone in sericite 20° tea, carb veinlets 80° tea.	0	0								195234	64.50	65.20	0.70	<.001	.01

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
85.00	104.05	WEAK SER ALTERED QZMZ WITH MINERALIZED & NON-MINERALIZED ANDEUSTITE DYKES - between 95.15 - 94.50 - posthealed fault	2	1	2	0	4	4	4	99	.9						
		Structure: - large carb veins 80° tea (40° tea) - small carb veins 45-60° tea - contacts at mineralized dyke undulating - 11cm wide solid sulfide vein 45° tea - strong brecciation - (1-2cm wide) veins of solid Py & solid Sb - 30° tea → Py veins more ductile - contacts with barren andesite dykes 30° tea - no visible signs of folding in this unit	2	0	0	0	1	2	2	99	.9	195238	94.30	95.85	1.55	.432	.11
		Alteration: weakly bleached QZMZ + ser. alt. mineralized veins are very silicious															
		Mineralization: 94.50 to 95.15 - Sb 100% X (Mo 100%) easily, @ 104.05 30cm of Moderate Py, AsPy ✓ Py 20% if not more ✓ AsPy 2-50% - no blebs of Py found near He ⁺ stained veins with large fuchsite phenocr															
104.05	121.00	FRESH QZMZ to VERY STRONG BLEACHED (CLAY) ↓ INTENSELY ALTERED SER. QZMZ Structure: semi massive, sericite fractures 30° tea. (carb veins 30-45° tea) or X cutting at 70° tea Alteration: gradational, between 114m-115m fault? Min: none	2	0	1/4	1/4	0	1/3	0	97	.7						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
121.00	186.45	Mod. SER. QZMZ WITH BARREN ANDESTITE DYKES	1/3	0	3	1	0	3/4	0	98	.7						
		(1) - more sericite found at upper and lower contacts, particularly strong near slip plane at 135.00m, 70° tea	2	0	2	0	1	2	2	98	.8	195240	121.00	122.90	1.90	.001	.04
		(2) 10°-20° tea → observed 2 x 3cm wide quartz- carb veins at 132.00m & 133.00m															
		(3) - possible healed fault zones: 128.80 - 129.00, 45° tea - brecciated 139.90 - 140.20, 70°-45° tea - He ⁺⁺ 181.30 - 181.35, 45° tea - undulated, brx 185.00 - 185.60, 20° tea - clay filled	4	0	2	1	2	3	2	95	.7	195241	158.30	159.85	1.55	<.001	.06
		(4) carb veins mod. in andesite dykes cracked															
		(5) (4) 138.50 - undulated He ⁺⁺ rich material															
		(6) angular quartz fragments found 0.5+1cm, 45° tea, carb veins															
		(7) 150.50 to 153.00m - series of grad. contacts															
		Structure: upper contact polished 40° tea ; lower contact irregular to stepped, (gradational?) 45° tea															
		Alteration: sericite, weak to strong = overall 3															
		Mineralization: upper contact Py rich veins, mixed with ser. QZMZ meets grey tr. ASPY light grey andesite															
		NB other andesite dykes have 5-10% fuchsite with He ⁺⁺ - unmineralized. -also, @ 153.15, 2cm wide Py vein 60-70° tea - sample # 195241, 45° contacts with one 2cm wide carb vein is an indicator for phytic alteration, overall 3-50% Py, no ASPY															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
186.75	198.50	FLOW BANDED MIDDLE DYKE - wuggy at upper contact - solid gtz eyes without carb. envelope - lower contact, sharp, undulated, 25° tea Structure: semi-massive, flow banding 20-30° tea - primary fracturing 70-60° tea, 1mm Py filled fractures (every 15-20cm) - secondary fracturing (cracks), unmineralized gtz carb veins at 60-70° tea - opposite direction to flow banding Alteration: weak crackling, weak to tr. ser. Mineralization: overall 2-3% Py - 1mm or smaller finely disseminated cubes, with small veins as mentioned above Comments: no typical N. Marker dyke found in this upper zone of the hole - (NB - BUFF QFP is sericitized - possible N. dyke?)	0	0	1	0	0	2/3	1	78	.9							
198.50	215.85	30% MYLONITIC BLACK BRX 70% BRECCIATED, PART HEALED, STRONG SER. ALT. QZ/PY Structure: large gtz fragments 1cm - 5cm in width throughout brecciation, gtz is intensely cracked - mineralized also @ 201.55 to 201.45. Intensely cracked, mineralized section of possible N. Dyke? Alteration: unit becomes more sericitized at depth - 211.30 to 213.50 brecciated, very strongly ser. (possible fault) Mineralization: Black brx is 80% Py, with varying %'s of Py throughout - Py decreases	1	0	3/4	1/2	0	0	3/2	0	75	.6						
			1	0	2	1	0	0	2	78	.85	195242	198.50	200.15	1.65	.006	.02	
lower contact			1	0	2	1	0	0	2	78	.85	195243	200.15	201.50	1.35	.008	.04	
450			1	0	0	0	1	3	2	79	.9	195244	201.50	202.70	1.20	.005	.03	
			0	0	3	1	0	0	1	79	.8	195245	202.70	204.45	1.75	<.001	.03	
			1	0	2	0	0	1	2	79	.8	195246	204.45	205.95	1.50	.024	.04	
			0	0	4	2	0	0	1	15	.6	195247	205.95	206.95	1.00	.001	.03	
			1	0	3	1	0	2	2	79	.8	195248	206.95	208.30	1.35	.004	.04	

(overall - 39% Py) 0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
215.85	245.75	TRACE TO STRONG SERICITIZED BUFF QFP - (MYLONITIC BLACK BRECCIA ZONE)	1	0	4	3	3	4	3	99	.85						
		- tan colour to light green colour unit	1	0	1	0	1	4	1	98	.7	195249	215.65	216.35	0.70	.017	.02
		Structure: upper contact has 2cm wide qtz vein	1	0	0	0	3	4	3	98	.8	195250	216.35	218.60	2.25	.026	.03
		80° tca - entire unit is crackled															
		weak to strong - Py fractures 20-30° tca	1	0	1	0	1	4	3	99	.9	195251	231.35	232.90	1.55	.018	.05
		qtz-carb veins 80° tca - lower contact 50° tca	1	0	2	0	0	2	2	99	.85	195252	232.90	235.05	2.15	.015	.05
		Alteration: tr. mylonitic black box at upper	1	0	4	3	1	4	2	99	.80	195253	235.05	237.10	2.05	.005	.02
		and lower contacts (intense ser. box															
		on both sides of this unit)	1	0	4	1	3	4	3	99	.8	195254	245.05	246.90	1.85	.014	.04
		crackling and ser. alteration - qtz 3mm															
		+ phenos are anhedral (50% qtz, 70% carb) (2) carb 2mm															
		Mineralization: where fractures are 1cm or less															
		(overall) apart 3-50% Py tr. Aspy															
		(2-30%) lower contact of mylonitic black															
		Py box 50% Py - tr. Aspy in unit															
		Comments: 240.30-240.45 - intense brecciation															
		- strong flow banding above and															
		particularly below black box unit,															
		10-20° tca. .5 + 1.0 cm spacing															
		(2) 245.05 to 245.25															
		(see drawing, nearly to scale)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
245.75	269.50	90% SER. QZMZ - mod. to strong 10% MYLONITIC BLACK BRX	0	0	4	2	0	1	2	75	.7						
		Structure: massive, lower contact 30° tea. - appears to be a ductile shear zone - intensely sericitized on both sides of lower contact - flow of black brx is 45° to 60° tea. - no marker vein of quartz or carb. as in other units (ie 70-80° tea)	0	0	4	2	0	0	1	95	.7	195255	258.80	259.70	1.10	<.001	.04
		Alteration: sericitized throughout	0	0	3	0	0	0	1	75	.7	195256	264.90	266.40	1.50	.014	.08
		Mineralization: barren to weak Py, 0-3%, samples taken in areas where to ASPY needles found - very fine grained Py?	0	0	2	0	0	1	2	75	.8	195257	266.40	267.90	1.50	.013	.05
		Comment: possible fault zone 249.60 - 252.70	1	0	3	0	0	0	1	95	.7	195258	267.90	269.45	1.55	.009	.10
269.50	273.45	STRONG SER. S. MARKER DYKE	2	0	4	2	0	1	0	95	.8						
		Structure - 3mm to 2cm cubic carb. phenos in the matrix, 15% of composition - upper and lower contacts clay for 20cm (40cm total) - entire unit has mylonitic texture															
		Alteration: gradual carb. veined crackling at lower contact, increasing intensity in lower unit - sericitic															
		Mineralization: barren: NB - this same unit or similar unit on hole 97-47 was ASPY - very; however this unit is not.															

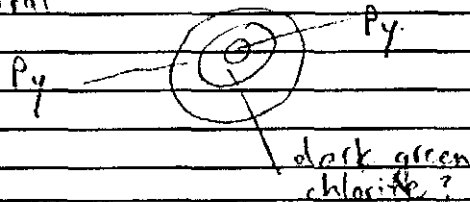
Comment: 271.10 - 271.90 bleached, elongated phenos

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

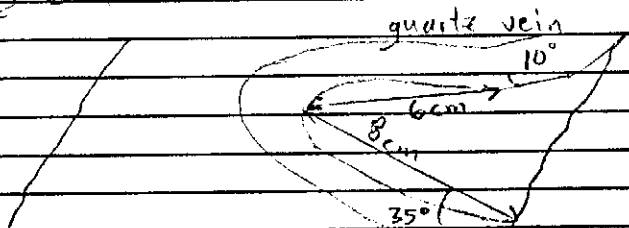
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
273.45	275.54	LIGHT GREY ANDESITE DYKE															
		Structure - no lower contact															
		- strong carb veins, 40° tea															
		Alteration - fine disseminated spec. hematite															
		- crackling strong															
		- 50 cm of relatively fresh QZMz															
		at start of interval															
		Mineralization - none															
		Note: - shut hole down at 904 ft.															
		proposed depth 990 ft.															
		Hole - 97-45 was extended 150 ft															
		from the target depth, the last															
		100 ft proved to be a similar															
		andesite dyke such as this one															
		is shut hole down in only 10 ft.															
		of this rock type - assumed no															
		more mineralization based on															
		previous drilling.															
		E. O. H.															

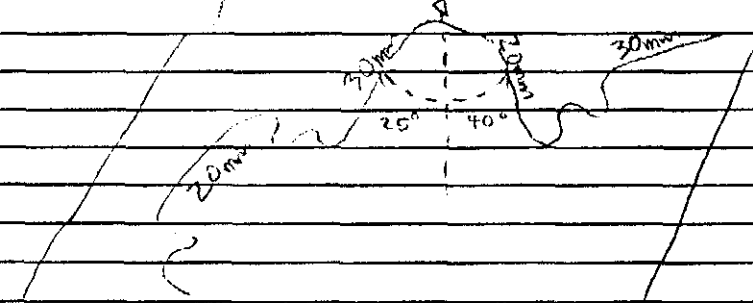
Logged By: C. Kuntz			Field Coordinates: 4300E, 2696N, 947 m elev.										Core Size: NA					
Property: Goldcorp - BVI - OMNI			Survey Coordinates:										Hole Length: 694' 211.53m					
Target: Goldcorp Shear Zone			Azimuth / Dip: 180° / -60° Drilled By: Corn D.D.										Downhole Surveys: (1) 250' -60°					
Started: 12/03/1997			Claim:										(2) 500' -59°					
Completed: 13/03/1997			Casing: 3 ft										(3) 694' -57.5°					
Assays By: Acme Labs																		
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
0.00	17.10	FRESH QZ Mtz - weak prop. alteration - vuggy sericitic - weakly undulating qtz carb. veins are barren 65 to 80° tea. - gradual lower contact - 30m wide green andesite clasts near lower contact - tr. sericitic alteration - weak phyllitic selvages	1	2	1	0	0	1	0	99	.9							
17.10	21.00	PROP. ALT. QZ Mtz - anhedral sericite-carb filled phenos - enveloped in qtz 0.5cm width average - sharp lower contact - shear zone 25° tea - strong crackling on either side - carb veinlets 70° tea. - some clay present very weak - qtz veinlets cut unit at 25-30° tea - At 17.40m - 2cm wide solid qtz vein - no mineralization 70° tea. appears to be a marker for a mineralized unit - gradually more propylitically altered at depth - sericitized near lower contact	1	4	3	2	0	1	1	98	.9							
			1	4	3	2	0	3	2	98	.9	195259	19.85	21.00	1.15	<.001	<.01	

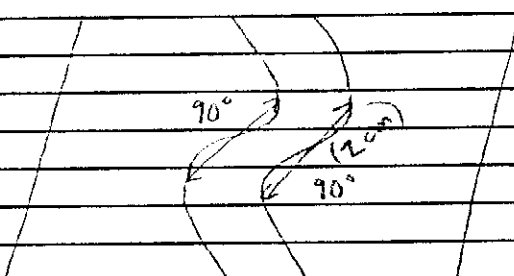
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
21.00	25.60	LIGHT GREY TO DARK GREEN WEAK MINERALIZED ANDESITE - lower contact is gradational	3	0	1/4	4	4	4	1/2	10	85						
		Structure: 24.10 to 24.50 silicified gte ser. unit, well healed fault, potential slip plane as well(?) contacts 70° tea.	3	0	1	0	0	2	1	90	.7	195260	21.00	22.00	1.00	<.001	.01
		- overall, strong altered unit	1	0	2	0	0	1	1	99	.95	195261	22.00	23.70	1.70	<.001	<.01
		- sample 195263 part healed fault brecciated zone - strong ser.	0	0	4	4	4	4	1	80	.7	195262	23.70	24.50	0.80	<.001	.01
		Alteration: - 195260, 195264, green fuchsite phenos - only 195264 has Py rich veins - all samples except 195261 are strongly cracked	1	0	4	4	0	2	3	85	.4	195263	24.50	25.10	0.60	<.001	<.01
		Mineralization: overall mod. to weak Py (no A.Py) sample 195261 - large ser. phenos with He ⁺ filled fractures - to Py 195264 - large blebs of Py, 195263 - ASPY?	1	0	0	0	0	4	2	78	.9	195264	25.10	25.60	0.50	<.001	<.01
25.60	26.90	PROP ALT. QZMZ SHEAR ZONE (not ductile) → Py rich - this short unit could be part of QZMZ unit above dykes but is not likely because of the silicified 20cm gte-ser unit that appears to have caused strong mineralization at depth. - lower contact 50° tea.	1	4	3	1	3	3	3	75	.7	195265	25.60	27.65	2.05	<.001	.01
		Comments: the above 3 units are not sequenced similarly with previous drill holes - a serious look at the cross sections may be necessary.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
26.90	57.30	UNMINERALIZED, WEAKLY BLEACHED - TRACE SERICITIZED QZ MZ (ANDESITE DYKES 20%) Structure: andesite dykes have strong carb crackling - 1cm wide carb veins 70-80° tea. : QZ MZ - mod. k-spor - strong crackling where sericite is found. (triaxial?) - sharp lower contact - 10° tea sericite coated vein Alteration: other than crackling this unit is relatively fresh (- vein in middle 70° tea ↓ phyllic alteration = increase Py % eg. 48.00 to 48.10m - intense) Mineralization: Dykes are He ⁺⁺ rich where no Py is found - Py is very blebbly 2mm-5mm - overall 1-2% Py, tr Mo NB - where He ⁺⁺ is strong the Py phenos are anhedral example: 	3	1	1	1	1	3	1	1%	.9							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
57.30	102.40	SERICITIZED Q.M. - 70% with WEAK MINERALIZED ANDESITE	3	1	3	1	1	3	1	99	.9						
		- strong mineralized zone phyllically altered 195265	3	3	1	1	2	2	2	99	.8	195266	59.85	61.80	1.95	.012	<.01
		- 20 cm of mylonitic block brx for sample 195266															
			3	1	2	1	1	3	2	99	.9	195267	84.40	85.45	1.05	.003	.01
		Alteration: - mod - strong sericite/- 70° t.ca. v @ 78.50 - 78.95 brx ser. w. 2cm gtz vein - mod - strong phyllic alt. - entire unit is mod. cracked, carb filled veins, 2mm to 1cm, 70° t.ca. (total 5% - 10% carb)															
		Structure: dyke contacts gradational near carb veins 70° t.ca., otherwise 45-60° and sharp NB @ 59.85 - 2cm gtz vein - 10% Py 80° t.ca - marker! for change in unit - also near a mineralized zone - lower contact definitely gradational (pink Kspar rich rock to bleached prop. altered material - over 1.0m)															
		Mineralization: overall 1-2% Py, Py phenos are more cubic than previous unit - no ASPY															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
102.40	117.80	PROP. ALTERED QZMZ	1	3	1	0	0	1	1/2	98	.85						
		- phyllic selvages near zones with higher Py%															
		- one 30cm barren AN/D	1	4	1	0	0	1	2	99	.9	195266	102.40	103.50	1.10	.069	.03
		Structure: sharp lower contact 40° t.ca,	1	2	1	0	0	1	2	99	.9	195269	103.50	104.85	1.35	.002	.01
		1cm wide disjointed gtz-carb veins	1	2	1	0	0	1	1	99	.9	195270	104.85	106.40	1.55	<.001	<.01
		at or near lower contact	1	3	1	0	3/3	1/3	3	98	.8	195271	106.40	107.70	1.30	.080	.02
		① 103.50 - 1cm wide gtz vein 70° t.ca															
		② 107.50 - 2cm wide gtz vein 60° t.ca															
		③ 112.30 - slip plane with gouge 40° t.ca	1	4	1	0	1	3	2	99	.85	195272	112.50	113.60	1.10	.002	.05
		- contact between QZMZ at PROP.															
		altered QZMZ - ser alt QZMZ 107.70															
		to 112.50, no Py															
		NB @ 112.50 - 112.60 - 2cm wide folded															
		quartz vein															
																	
		- so large it is difficult to find the crests and nodes accurately															
		Alteration: prop. to ser. altered - phyllic near mineralization															
		Mineralization: overall very weak. 29% Py															
117.80	132.50	BUFF QZP DYKE (N. MARKER?)	0	0	2	2	0	0	2	99	.9						
		(D) - 5 to 7% quartz near upper contact															
		is ASPY and grey - looks like an intensely															
		altered but possibly mineralized remnant															
		of what would normally be a mineralized															
		zone in holes further down the camp															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		(2) overall one meter of green andesite / buff with quartz eye flow banding	0	0	2	2	0	0	2	99	.9	195273	117.80	119.30	1.50	.005	<.01
		(3) small section of sericitized QZMZ between 125.25m - 125.80 NB lower contact of this subunit is very interesting															
																	
		* drawn to scale, very sharp contact															
		Structure: discontinuous, upper contact gradational as is lower contact															
		Alteration: vuggy sections at lower contacts															
		Mineralization: tr Py and tr ASPY at upper contact, one sample only															
132.50	155.20	MIXED AN/D AND SER. QZMZ - tr. MYLONITIC BLACK BRX / mineralized andesite mixed with black breccia 135.80 - 146.00 - tr ASPY with some ASPY patches)	2	0	4	4	0	3	3	95	.7						
		Structure: not massive, unmineralized andesite is intensely cracked - andesite contacts 80° m															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		upper and lower contacts gradational	0	0	3	1	0	1	2	95	.7	195214	135.80	137.75	1.95	<.001	<.01
		lower contact is faulted and sericitized	2	6	3	0	0	2	2	98	.8	195235	137.75	139.00	1.25	<.001	<.01
			1	0	0	0	0	3	3	99	.85	195276	139.00	140.25	1.25	.066	<.01
		NB @ 138.70m - S fold quartz vein, 1.5cm wide	0	0	1	0	0	3	2	99	.8	195277	140.25	141.43	1.18	.046	.01
																	
		Alteration: weak to strong ser.															
		strong crackling															
		- 135.60 - 135.80 - strong clay															
		- clay alteration at lower contact.															
		Mineralization: overall 1-2% Py															
		139.00 - 141.43 5-10% Py?															
		.1% ASPY?															
		Notes: the lower contact has traces of Py, though it looks altered enough to be mineralized it is not; many strong undulated contacts in this unit, not typified by the diagram above.															
155.20	161.10	MYLONITIC SER. S-MARKER DYKE	1	0	4	4	0	1	3	90	.6						
		- large qtz phenos - 20% (not anhedral)															
		- cut by 1.50m of ASPY? ALT. QZMT	0	1	1	1	0	2	3	95	.8	195279	158.20	159.50	1.30	.004	.01
		- contacts 80-70° t.ca.															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- lower contact is a 50-75 cm long shear zone with strong clay H=0															
		- upper part of unit is bleached															
		- lower contact 45° t.c.a															
161.10	170.60	TAN COLOURED S. MARKER DYKE	1	0	1	0	0	1	0	99.95							
		- lower contact undulated 40° t.c.a.															
		Structure: 100% quartz eyes, 3% each phenos.															
		lower contact H=1 / ser. coated fracture															
		Alteration: tr. sericite, weak crackling															
		Mineralization: none															
170.60	175.50	SER. ALTERED QZ.MZ.	1	0	3	2	0	2	1/3	99.8							
		- black box at lower contact															
		- phyllic?	1	0	3	1	1	3	3	99.7	195279	174.30	175.30	1.00	.032	.05	
		Structure: lower contact is 2 cm wide intense alt-sericite shear zone - sericite to clays															
		very steep 5° t.c.a															
		Alteration: gradually increased sericite															
		Mineralization: (40 cm of 100% Py) → near lower contact															
		tr. ASPy															
175.50	191.70	BLEACHED → SER ALTERED DYKE (NEW UNIT)	1	0	3	1	0	9/10	99.8								
		Structure: fractured with quartz veinlets 80° to core axis for first 1.0m of core															
		- very strong - lower contact = 35° undulated															
		Alteration: intense quartz flooding - .5 to 1 cm long mottled bits of quartz (25-30%) quartz overall															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Logged By: C. Kuntz		Field Coordinates: 4300 E, 2696 N, 947m elev.										Core Size: NQ					
Property: Goddard -		Survey Coordinates:										Hole Length: 889', 270.97 m					
Target: Mineralization closer to surface		Azimuth / Dip: 180° / -70					Drilled By: Caron D.D.					Downhole Surveys:					
Started: 13/03/97 and at depth		Claim:					Assays By: Aune Labs					① 250', -66° ③ 750', -66.5°					
Completed: 16/03/97		Casing: 3ft.										② 500', -66° ④ 889', -66.5°					
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	19.65	FRESH QZMTZ	2 3/4	1	0	0	0	2	1	99	.9						
		Structure: - 1cm - 2cm qtz-carb veins 75° tca. - @ 11.00, .5cm qtz vein 30° tca. other smaller quartz veins at similar & follow this one - small barren grey andesite clasts found in the unit Alteration: propylitic around 1cm - 2cm qtz-carb veins (30cm total - 15cm per side. Note: qtz-carb veins evenly spaced 1.5 or 3.0m apart) Mineralization: tr Py															
19.65	78.40	MIXED - FRESH QZMTZ, AND WEAK TO MODERATE SER. ALT'D QZMTZ	2 3/4	0	0	0	0	2	2	99	.9						
		① 22.70m - 23.75 - flow banded sericite H=1,2 dyke with banded carb * undulated upper contact veins & phos 70° tca ② ANDRESITE DYKES - He ⁺ disseminated, 31.80 - 34.40 70% at depth 43.30 - 47.10 - Py 5-10% for top 36.90 - 37.70 - 0.5m of dykes, 61.70 - 64.30 - 3-5mm blks of Py, lined up at 30° tca (same as contacts) Structure: no 1cm - 2cm qtz carb veins 75° tca, however, small 2mm carb veins at 70° tca - @ 31.80 irregular shaped contact - He ⁺	2	0	0	0	0	2	2	99	.8	195280	31.80	32.30	0.50	<.001	<.01
			2	0	0	0	0	2	2	99	.8	195281	43.30	43.90	0.60	.025	.03
			2	3	1	0	1	3	2	99	.95	195282	57.60	59.70	2.10	<.001	<.01

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		③ 39.10, 1cm qtz carb vein 30° tca. - propylitic alteration on either side - sericite alteration increases at depth, as does qtz-carb crackling - Hc ⁺ is more intense at top of unit (a) 67.30 - 68.80 - sericitic fracture 5° tca. Mineralization: - upper segments of dykes 5-10% Py - phyllic & propylitic diffusion of Py at 58.30, on both sides of 'S' and 'Z' folded 1cm wide qtz carb veins (the only ones) at ± 70° tca. Py is very fine grain & lobbey. Possible tr. bornite - sericite, tr. sphalerite. NB - most of Py is in seemingly 'FRESH' QZMZ - not obvious at first glance																
78.40	137.55	MIXED STRONG SERICITE AND PROP. ALTERED QZMZ	2	1	4	1	1	3	2	95.7								
		① 95.00 - 95.70 - MYLONITIC BLACK BRX	2	0	2	1	0	2	2	97.7	195283		81.70	83.50	1.80	.010	.01	
		82.40 - 109.50 = 2cm. 136.85 - 137.10 = 25cm																
		(?) 115.50 - black brx? possible phyllic	3	0	0	0	0	3	2	99.9	195284		86.30	87.60	1.30	<.001	.04	
		② ANCSITE DYKES: 81.40 - 83.50 Py 2 planes (86.30 - 19.40 / Py ↔ no Py) of carb fractures 101.30 - 104.75 / tr Py 70°, 30° (106.00 - 108.50 / tr Py) 3 planes, 70° 30° 45° (132.90 - 133.70 / strong Hc ⁺)	1	0	4	1	0	0	3	95.6	195285		95.00	95.80	0.80	.057	.01	
		(3) phyllic alt. 97.75 - 97.85 - silicious	1	0	4	1	1	2	2	95.6	195287		115.40	115.85	0.45	.117	.06	
		(4) @ 120.80m intense quartz brecciation	1	3	1	1	1	3	2	98.7	195288		135.20	136.00	0.80	<.001	.05	
		Structure: - dyke contacts 35° - 45° tca. - lower contact 40° tca.	0	1	3	3	0	1	2	95.5	195289		136.00	137.55	1.55	.002	.01	

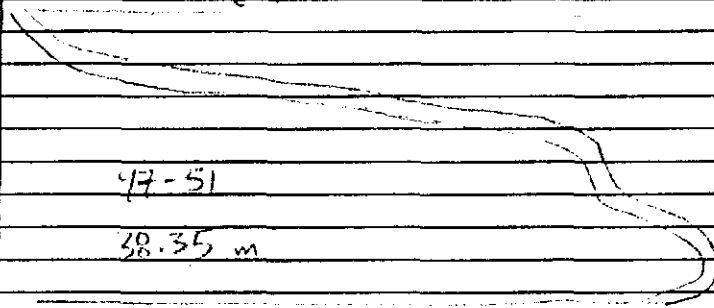
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Alteration: strong overall sericite, increasing at depth - as does the carb vein crackling or X cuts															
		Mineralization: any potential amount of Py is found near phyllic selvages															
		- AN/D Py overall < 30% Py															
		- He ⁺ - specular - is disseminated throughout, banded?															
137.55	139.90	SERICITIZED N. MARKER DYKE? - heavy alteration - lower contact 40-50° tea - box - @ 138.70 gtz vein, 2mm, 80° tea - phenos are mainly carbonated, nearly obliterated in parts - very strong fractured zone	2	2	4	1	0	3	0	15.6							
139.90	181.15	MIXED SER. QZMZ WITH He ⁺ ANDESITE DYKES (1) sharp upper contact (2) less ksp at depth } gradational more sericite at depth (3) - at 148.30, 1cm wide carb vein, 45° - at 157.60, 2cm wide gtz-carb vein 45° tea strong crackling - no sulfides - at 147.00, 2cm wide gtz vein, 80° tea NB between these 2cm veins are weakly propylitic QZMZ - 2% Py maximum Structure: lower contact - gradational (-40 to -30° tea) cubic Py crystal at contact - upper dyke contacts 80°, lower dyke contacts 45° & interesting?	2	2	3	1	0	3	1	99.85							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Alteration: primarily sericitized, weak propylitic in middle of unit															
		Mineralization: less than 1% Py overall.															
		(NB sampled two H ₂ O ⁺ rich dykes in hole 97-49. Will wait for assays to be returned to see if worth sampling more. (Possible high sphalerite content?)															
		Comments: lower contact is very sharp between 178.00m and 181.15 is a possible fault zone, sericite = 4 clay = 3															
		sampled for possible Py not visible	1	0	4	4	0	0	0	60	0	195290	180.30	181.15	0.85	<.001	<.01
181.15	222.20	SERICITIZED QZM ₂ (20% qtz) WITH MYLONITIC BLACK BRX + 4.0m - small strong carb altered but weakly mineralized AN/Dyke, carb/veins = 4	4	0	4	4	2	4	1	3	99.8						
		(1) 194.40m - 20cm of fault material, 40% ca															
		199.20m - 3cm of fault clay, H=0, 40% ca															
		214.10m - 3cm of fault clay, H=0, 40% ca															
		(2) 209.50m - 2cm wide qtz vein, 80% ca															
		→ 210.35m - 2cm wide qtz vein, 80% ca															
		(strong propylitic alteration on both sides of these veins + ASPY, 7-10% Py)															
		(3) *** 212.00 - 212.15, 20% Sphalerite solid mineralized, 30% Py															
		→ vein, 80% ca, 70% Stibnite, 15% Qtz															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Structure: - small carb and sericite veinlets 45° to 60° t.c.a., lower contact = 5°	2	0	2	1	2	2	2	99	.85	195291	181.05	182.25	1.20	.006	<.01
		- mylonitic bl. brx 30° t.c.a. where strong, 45° t.c.a. where weak	1	0	2	0	1	1	3	99	.85	292	182.25	183.20	0.95	.024	.02
			1	0	4	1	0	1	2	98	.80	293	183.20	184.95	1.75	.006	.01
			1	0	4	2	1	2	1	95	.7	294	184.95	186.85	1.90	.023	.19
		Alteration: primarily sericitized strongly with weak propylitic alt. from sample 195294 to 195302 - (carb. alteration for dikes)	1	0	4	2	1	2	1	95	.7	195295	186.85	188.20	1.35	<.001	.32
			2	0	2	1	3	2	1/2	96	.8	195296	192.35	194.60	2.25	<.001	.07
		Mineralization: - 195291 to 195295, mylonitic black brx. 10% - 39% Py, grad. decl.	4	0	0	0	0	4	1/2	99	.95	195297	200.85	202.00	1.15	.001	.05
		- 195296, 3 to 59% Py	1	1	3	0	0	2	1/2	99	.9	298	202.00	203.70	1.70	<.001	.03
		- 195297, AN/D tr Py	1	1	3	0	0	2	1/2	99	.9	299	203.90	205.45	1.55	.006	.02
		- 195299 to 195303, grad. increase in Py, Sb, ASPY	1	1	2	0	0	2	2	99	.9	300	205.45	206.95	1.50	.062	.06
		* * * - 195304 - very strong mineralization	1	2	2	0	3	3	2	99	.9	302	208.50	210.00	1.50	.168	.08
		- 195305 to 195312, mylonitic black brx 10% - 3% Py, grad. decrease	1	2	2	0	2	3	4	99	.9	303	210.00	211.80	1.80	.136	.09
			1	0	3	1	0	0	1	99	.9	304	211.80	213.05	1.25	.245	.67
			1	0	3	1	0	3	3	98	.7	305	213.05	214.15	1.10	.001	.01
		Comments: this zone holds the most potential but is overall only weak - mod. mineralized.	0	0	2	0	0	1	2	99	.9	306	214.15	216.10	1.95	.502	.02
			0	0	2	0	0	1	1	99	.9	307	216.10	217.60	1.50	.002	.02
			0	0	2	0	0	1	1	99	.9	308	217.60	219.15	1.55	<.001	.05
			0	0	2	0	0	1	2	99	.9	309	219.15	220.70	1.55	.006	<.01
			0	0	2	0	0	1	2	99	.9	310	220.70	222.20	1.50	.034	.03
222.20	260.60	WEAK PRIP. ALT QZMTZ (- weak phyllic alt. on either side) of 0.5cm - 2cm gte veins - undulated (but not intensely - 3cm wide carb vein - lower)	0	0	2	0	0	1	1	99	.9	311	222.20	223.70	1.50	.002	<.01
		ASPY	0	1	3	0	0	1	1	99	.9	195312	223.70	225.25	1.55	.002	<.01
		Structure - massive, with sericitic fractures at 25° to 30° to core axis - lower contact = 30°	2	2	3	1	1/2	2	1	99	.8						
		Alteration - propylitic to sericitic, ser. phens. 5cm	1	3	3	1	2	4	2	99	.7	195313	230.55	233.95	3.40	<.001	<.01
		Mineralization - 15 to 75% Py near folded gte veins - otherwise 2% Py overall. Tr ASPY	1	3	3	1	2	3	2	99	.85	195314	238.15	238.95	0.80	.185	.04

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Logged By: B. Mann, C. Kutz, T. Elliott Field Coordinates: 4451 E, 2661 N, 925 m el. Core Size: NQ (252.37 m)
 Property: Goddell Range - Mt. St. Helens Survey Coordinates: 4445 E (5.0m from 4450) Hole Length: proposed: 90m, actual: 82.8m
 Target: Goddell Shear Zone Azimuth / Dip: 150° / -57° Drilled By: Caron D.D. Downhole Surveys: (1) 50' = -56.5°
 Started: 18/03/97 Claim: POP Assays By: Keweenaw Labs (2) 250' = -54.5° (3) 450' = 53.75°
 Completed: 21/03/97 Casing: 3ft (0.91m)

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	45.00	FRESH gneiss - Quartz / hornblende	1	2	1	0	1	1	1	99	75						
		Structure: - massive and equigranular															
		- 2mm to 5mm wide carb veins 40° to 45°															
		- 2mm to 1cm wide gtz-carb 75-80° to 85°															
		* - possible structural marker at 33-37m															
		- following below gtz carb vein is a well formed folded gtz vein															
		- also following this - carb veins 5-10° to 45°															
																	
		47-51															
		38.35 m															
		* cut with saw for exact measurements of folds.															
		Alteration: weak propylitic weak phreatic															
		75cm to 10cm of alteration in places															
		mineralization: Sb in trace quantities at gtz veins															
		80° to 85° otherwise tr Py / less															
		than 120 overall															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
100.45	103.40	AN/D - Andesite Dyke - highly sheared zone - last 20 cm are QZMZ	3	1	3	1	0	2	3	99.7	195317	100.45	101.50	1.05	.006	.01	
		Structure: Solid hard core. Lower contact ~ 40° E. Strong, healed sericitic shearing throughout. Some catclasite.	3	1	3	1	0	2	1	99.8	—	101.50	103.40				
		Alteration: Sericite-carbonate moderate to strong. Local fuchsite.															
		Mineralization: Mod. pyrite (~2%) in upper part. Trace below.															
103.40	114.20	QFP - Quartz Feldspar Porphyry Dyke (central?) - 5% Qzys, 10% indistinct plagioclase - minor flow banding near lower contact (x-ray)	1	0	2	1	2	1	1	99.8							
		Structure: Solid, hard core. Narrow sericitic shears common. 1cm black bxia @ 109.3m															
		Alteration: Weak. Sericite, quartz %															
		Mineralization: Mostly barren. Trace py. near clays. Dissem. f.g. hematite (pink) 112.2-113.0m															
114.20	119.20	AN/D - Andesite Dyke / core 80cm QZMZ @ 117.6m	3	0	3	0	1	2	1	99.7							
		Structure: Solid hard core. Healed shears ~ 50° E. Contacts ~ 40° E.															
		Alteration: Moderate. Sericite (fuchsite!) & carbonate. Bleached.															
		Mineralization: Local hematite. Trace pyrite.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
119.20	137.40	QZMZ - Quartz/Monzonite - Sheared, Sericitic Breccia - 80m alt'd, pyritic AN/D @ 135.9m - pale green, mottled texture (indistinct granitic) Structure: Solid, hard core, minor blocky sections. Ductile, sericite (+/- clay) shears common, mostly healed. Lower contact ~ 30° ±. Alteration: Mod. to strong sericite (+/- Q, carb, clay). Mineralization: Weak to trace pyrite (< 1%). Weak veining.	2	0	4	1	2	2	1	99	.7							
137.40	148.75	QFP - Quartz-Feldspar Porphyry, ("Central"?) - pale creamy colour, v. soft clay-alt'd. plag. 3% Q eyes Structure: Solid, hard core. Minor ser.-clay shears. Flow-banding in bottom and top metres. Minor slickensides w/ ser. shears. Alteration: Weak to mod. sericite-clay. Possible silicification. Mineralization: Dark, hairline veinlets - pyritic (+?) common above 141m. Local pink hem. stain.	1	0	2	1	2	1	1	99	.9							
148.75	174.30	QZMZ BXA - Mostly sheared and brecciated Quartz Monzonite; where not sheared and brecciated, has pale green mottled texture as from 119.20 - 137.40m - 151.79m - 152.01m - light grey f.g.	2	0	4	1	2	1 1/2	98	.6								

except .2 RQD in brittle fault zone.

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		brecciated FELSIC DYKE, healed w. sericite and hairline gtz. vults; very hard and silicic.															
		Structure: Flow banding in dyke above $\approx 40^\circ$ to c. axis; sericitic banding at lower contact $\approx 30^\circ$ to c. axis. Brecciation mainly healed by ductile sericitic shears.															
FAULT!	Butte	- FAULT ZONE from 158.46m-160.93m contacts $10-20^\circ$ to c. axis w. shears as shallow as 30° to c. axis - 167.70m - 168.10m = gray to dark gray mylonitic bra. w. banding. 45° to c. axis; rounded QZ MP clasts to 1cm across in 50% matrix (healed)															
		Alteration: STRONG BLEACHING (loc. no mafics) w. sericitic shears healing ang. frags. Local remnant light brown carbonate. Mottled textural areas have remnant brown, bleached mafic remnants; local bright green fuchsite (?) such as at 152.47m.															
		Mineralization: 149.35m = local dissem. py. Otherwise, l.o.no. mineralization															
174.30	179.22	SOUTH FELDSPAR PORPHYRY MARKER DYKE (SEP Marker)	2	0 1/4	2	0 1/4	2	0 1/4	2	0 1/4	2	0 1/4					

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- brown to gray; 15-25% white feldspar phenocrysts to 7 mm. long.															
		Structure: Solid, hard core; massive; sheared upper contact for 30 cm. at 20° to c. axis; lower contact broken between core runs.															
		Alteration: Tr. ser. except strong at upper contact; upper 1/5 of dyke brown and silicified(?) ; small remnant phenos. br. carb? clay? alt'n; some larger feldspar phenos. clay alt'd.															
		Mineralization: hairline Qtz., Qtz-Carb. and Carb. vults. at 20° to c. axis.															
		DISSEMINATED															
179.22	220.71	MAINLY MINERALIZED ZONE OF QUARTZ MONZONITE CUT BY SMALL ANDESITE DYKES AT BEGINNING AND END OF ZONE - main mineralization begins at 184.37 m.	2	0	4	1	2	2	2	98.75							
		- details of str., alt'n, and min'z follow in detailed descriptions below:															
		- Mottled, mod. ser. QZMZ Tr. Py. One 5 cm And dyke at 60° to c. axis	1	0	3	1	2	1	97.6			B195	179.22	181.27	2.05	<.001	.03
		- QZMZ mottled cut by a 20 cm And. DYKE at 15° to c. axis. Last 25 cm strongly crackle brecciated and silicified	1	0	3	2	4	4	98.5			"319	181.27	182.80	1.53	<.001	.03
		→ 50% BXA. Tr. Py.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- QZMZ BXA healed w. strong ductile seric. shears Tr. PYRITE	1	0	4	2	2	2	1	96.7		B995 "320	182.80	184.37	1.57	<.001	<.01
		- QZMZ BXA and 70cm BLACK BXA w. ASPY dissem. in 3-7mm rounded Qtz clasts	0	0	4	3	3	0	2/3	98.9		"321	184.37	185.45	1.08	.016	.04
		Structure: Banding 20° to c. axis. 1/2% - 1% Py ± ASPY ± Sb ₂ S ₃										*					
		- MYLONITIC BL. BXA w. 10cm Q-SX-BXA at beginning of interval and 35 cm Q-SX-BXA at end 20% Py w. minor Sl.	1	0	1	3	4	3	3	98.8		"322	185.45	186.25	0.80	.200	.55
		- Center of sample = 55cm "pregnant" Andesite Dyke cutting ductile sheared	4	0	4	2	3	4	4	98.8		"323	186.25	187.23	0.98	.646	.12
(STRUCTURE)		QZMZ. Contacts w. upper = 40° to c. axis; lower = 30° to c. axis. 2-3% PY & 1/2-1% ASPY *	1	0	4	0	1/2	2	2	95.6		"324	187.23	188.77	1.54	.003	.03
		- Mottled QZMZ BXA 1/2% diss PY; Tr. ASPY to 0.05% ASPY	2	0	4	1	2	0	2	99.8		"325	188.77	190.66	1.89	.002	.01
		- Mainly mottled QZMZ w. 30cm BXA. 1/4% dissem. PYRITE															
		- ANDESITE DYKE w. MOD Q-CARB veining 1/2% Py plus minor ASPY.	3	0	3	0	3	3	2	95.8		"326	190.66	191.32	0.66	<.001	.01
		- Mottled QZMZ w. 1/4-1/2% PY w. Tr. ASPY	1	0	4	1	0	0	2	95.9		"327	191.32	191.78	0.46	<.001	<.01
		- ANDESITE DYKE w. Q-Carb. gash veins 3mm-1cm across. 1-2% PY 1/4% ASPY	4	0	4	0	4	4	3	98.5		"328	191.78	192.42	0.64	.001	.01
(STRUCTURE)		Structure: upper contact sharp at 25° to c. axis.										**					
**		- PHYLL. ALT'D QZMZ BXA cut by 4 X 7mm Qtz-Stibnite veins at 45-70° to c. axis	0	0	4	0	4	4	3	98.8		"329	192.42	193.29	0.87	.167	.08

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		1-2% py; 1/4% Sb ₂ S ₃ mainly in 15mm x 15mm bleb and in Qz Sb ₂ S ₃ veins w. 5% Stibnite; minor ASPY.										B 195					
		- Mottled QZMZ w. 1% Py & Tr. ASPY; 1" piece of 8mm barren Qtz. vn.	2	0	4	0	1	2	2	98.7		"330	193.29	194.46	1.17	.003	.05
		- Mottled QZMZ; 1/4% Py Tr. Aspy	3	0	4	0	1	0	2	99.0		"331	194.46	195.51	1.05	.003	.01
		- PHYL. ALT'D QZMZ cut by 2 Qz - STIBNITE - SPHALERITE VNS (5cm & 4cm); First vn redrilled; i.e. only 60-70% recovery; Veins cty. 5-10% Sb ₂ S ₃ and 1/4-1% Sl; Overall zone ≈ 3% PY Tr ASPY. 4cm vn ≈ 65° to c. axis.	2	0	4	1	2	3	95.8			"332	195.51	196.69	1.18	.286	.21
												**					
		- Mottled and phyll. alt'd QZMZ One x 8mm. Q - Sb-Sl vn at 70° to c. axis; 1/2 of zone phyll. alt'd w. 3% PY and 1/4-1/2% ASPY	1/2	0	4	0	1	2	3	98.5		"333	196.69	197.95	1.26	.350	.03
												*					
		- Mottled QZMZ w. 1/2% Py & Tr. ASPY	2	0	4	1	1	0	2	97.4		"334	197.95	199.03	1.08	.035	<.01
MINOR FAULT		- Mottled QZMZ w. 10cm Fault zone at 20° to c. axis 1/4-1/2% PY Tr. ASPY.	2	0	4	1/4	2	1	2	99.8		"335	199.03	200.55	1.52	.022	.03
		- Mottled, crackle brecciated QZMZ; 1-2% Py; Tr Aspy; Phyll. Alt'm	2	0	4	1	1	2	3	99.9		"336	200.55	202.08	1.53	.157	<.01
		- Mottled QZMZ; 1/4-1/2% PY; Tr. ASPY	1	0	4	1	0	0	2	99.9		"337	202.08	203.60	1.52	<.001	.02
		- Mottled QZMZ w. 20% zones of Phyll. Alt'm (2-3% Py w. minor ASPY), OVERALL 1/2-3/4% Py	1	0	4	1	2	1	2	98.9		"339	203.60	205.13	1.53	.287	.02

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- SECTIONS SPLIT OUT BELOW ARE AVERAGED OUT AS: MOTTLED QZMz w. 20-50% Phyll Alt'm and 1/2-1% Py w. Tr to 0.1% Aspy	1/2	0	4	1	1	1/2	2	98.8		B195					
		- 1x5mm Sb ± Sl in at 80° to c. axis in sample B195340.										"339	205.13	206.65	1.52	.234	.02
												"340	206.65	208.17	1.52	.141	.04
												"341	208.17	209.70	1.53	.003	.02
												"342	209.70	211.22	1.52	.002	.01
												"343	211.22	212.75	1.53	.150	.03
												"344	212.75	214.27	1.52	.156	<.01
												"345	214.27	215.79	1.52	.089	.04
												"346	215.79	217.32	1.53	.238	.03
		- 50% Minz'd & veined ANDESITE DYKE & 50% Phyll Alt'd QZMz 1-2% Py; 1/4% ASPY; Tr. Sl	2	0	4	0	3	3	3/3	77.6		"347	217.32	217.95	0.63	.487	.08
		- Mottled QZMz w. 1/4-1/2% Py & Tr. ASPY; Tr. Sl	2	0	4	0	1	2	2	100.0		"348	217.95	218.36	0.41	.005	<.01
		- 70% MINZ'D AND. DYKE. - 30% mottled QZMz. Overall 2-3% PY 1/4-1/2% ASPY.	3	0	3	0	2	3	3	97.7		"349	218.36	219.01	0.65	.022	.06
		- Sheared (45° to c. axis) and brecciated QZMz; 1/4% PY	1	0	4	1	2	0	2	98.7		"350	219.01	220.05	1.04	.002	<.01
		- Black Bacteria vs white 2mm-1cm Q. frags; section cut by a 4 cm light brown Qtz. Porphy. dark w. 3% 1 mm Q. eyes and minor disson. py. Contacts 60° to c. axis; shearing in bl. bxa also 45-60° to c. axis. Overall → 1-2% PYRITE	1	0	3/4	4	3	0	3	95.3		"351	220.05	220.79	0.74	.230	.12
		END OF ZONE = BLACK BXA.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		and "CARBED"															
220.79	252.37	MODERATELY SERICITIZED, QUARTZ	3	2	3	2	0	2 1/2	98	.8	B195						
		MONZONITE - from ca 227 meters	2	0	3	1 2/3	2	2	99	.8	"352	220.79	221.89	1.10		.014	.02
		QZMT has pink K-spar, mod. sericitized green plagioclase and 5% brown "carbed" 2-3 mm. matrix (formerly biotite); before 227m K-spar is bleached white but plagioclase is sericitized.	2	0	3	2	1	2 1/2	97	.8	"353	221.89	223.41	1.52		<.001	.01
		<u>Structure</u> : Occasional thin black Py-clay seams esp. before 227m. Occs. of carb units at 30°, 45° and 60° to c. axis. Otherwise core is hard and solid and massive w. no foliation. <u>NO DYKES</u> in interval.															
		<u>Alteration</u> : As noted above, ser and clay(?) (white) at base of plagioclase.															
		<u>Mineralization</u> : Tr to wk disseminated py in 2 samples above. Remainder of section only to pyrite.															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		<u>Structure:</u> Banding 10-30° to c. axis. Lower contact 40° to c. axis and upper contact 30° to c. axis.															
		<u>Alteration:</u> Very strong sericite (soft); 5% feldspar agglomerates (up to 6 phenes) up to 7cm across very distinct; spar alt ⁿ - i.e. moderately soft-hard and white.															
		<u>Mineralization:</u> None															
16.84	22.75	MODERATELY MINERALIZED and ALT ⁿ <u>QUARTZ MONZONITE</u> 20.77-21.17m = small splay of green seric dyke as previously described. Upper contact 15° to c. axis; lower contact breasted and irregular.	3/3	0	4	2	1/4	1	3	98.8		B195					
												"354	16.84	18.36	1.52	<.001	.01
												"355	18.36	19.69	1.33	<.001	.01
												"356	19.69	21.14	1.45	<.001	<.01
		<u>Structure:</u> Unveined to tr. vining; lower contact 15-20° to c. axis.										"357	21.14	22.75	1.61	<.001	<.01
		<u>Alteration:</u> Section in middle of zone from 18.30-19.65m is altered the same as from 1.60-14.15m; otherwise alt ⁿ is strong phyllic alt ⁿ of Q-Ser-Ry-Carb.															
		<u>Mineralization:</u> Tr. from 18.30-19.65m; otherwise moderate up to 2-5% f.g. to m.gr. pyrite grains.															

0 Absent; 1 Trace; 2 Weak; 3 Moderate; 4 Strong

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t		
22.75	25.07	<u>GREEN RHYOLITIC DYKE</u> similar to previous 2 dykes. - Some sections identical to dyke from 14.15 - 16.84m; other sections of dyke ctg. 2-3cm long white elongate Hbls of Q-feldspar. <u>Structure:</u> Banding 15° to c. axis; lwr. contact 45° to c. axis. <u>Alteration:</u> Siliceous cf. soft previous dykes <u>Mineralization:</u> None																	
25.99	73.93	<u>WEAKLY ALTERED QUARTZ MONZONITE CUT BY ANDESITE DYKE SWARM.</u> - Upper contact zone of brecciation and 2-3% PYRITE from 25.99 m to 26.62m. Black mylonitic bands and fract ^{zones} common. <u>Structure:</u> Andesite dykes checked green (H) at the following intervals: 35.24 - 37.07m; 40.38m - 44.04m (upper contact 40° to c. axis & lwr. cont. 15-20° to c. axis); 47.32m - 47.78m (upper cont. ca. 45° to c. axis); 53.26 - 54.55m (contacts 30° & 45° to c. axis).	1/2	1/4	1/3	1/2	1	2	1/2		97.7								
												B195 "358"	25.99	26.62	0.63	<.001	.06		

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		61.85 m - 62.79 m (lwr contact 30° to c. axis); 70.82 m - 73.73 m (incl. 10 cm xeno of QZMZ) (upper contact ca. 40° to c. axis)															
		<u>Alteration</u> : Variable mainly strong propylitic or brown wk sericitic as described from 1.60 - 14.15 m. (wk ser → plag and brown carb → mafics)															
		<u>Mineralization</u> : Locally 2-10 cm of 1/2 - 2% py at DND/Dyke contacts. Some DND dykes may contain up to 1-2% coarse pyrite locally. NO ASPY. WK. Q - Carb vns (1-4 mm) 20-70° to c. axis															
73.93	139.73	WEAK to MODERATELY ALTERED QUARTZ MONZONITE, as described from 1.60 m - 14.15 m; (ie) Pink K-spr, light sericitization of plag and light brown carb after mafics	3	4	3	1	1	2	3	98.3%							
		- 94.30 m - 95.10 m = 5 x (2 mm - 2 cm) black mylonitic bands cty. 1-2% pyrite at 45° to c. axis															
FAULT		- 99.94 m - 101.27 m = Fract. zone w. shearing 3 x (2-10 cm) zones of black mylonitic breccia minor pyrite. Banding 20-45° to c. axis															
QFP dyke		104.95 - 106.99 m = Banded BLUE QUARTZ FELDSPAR PORPHYRY DYKE															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		ctgs. 1/4% disc PYRITE, 5% 1-2 mm Q eyes and 3% white to green partially sericitized, 2-3 mm feldspar phenos / Green bands (sericite) locally at 45° to c. axis. Lower contact 25° to core axis															
		-128.20 - 129.00 m - 2-3% Pyrite (dis.) and 3 min'ed veins → 8 cm vein w. contacts 60° & 80° to c. axis. ctg. 1% PY, 1-1 1/2% SI and 1/2 - 3/4% Sb ₂ S ₃ ; a 4 cm banded vein w. 1/2% SI and breccia at 60° to c. axis; small 2 mm vein of bl' gts.	0	0	4	2	9	4	3	4	95.8	B 195 " 359	128.20	129.00	0.80	.062	.18
		-138.54 - 139.73 m = Contact zone of bl. brya. w. ore 1-3 cm Q-Sz (py + sl (minor)) Brya vein at 25-30° to c. axis. Overall 1-2% PY RHYOLITE	0	0	4	3	3	2	3	95.7	B 195 " 360	138.54	139.73	1.19	.016	.02	
139.73	145.99	MAJOR BUFFISH CREME QFP MARKER DYKE (no blebs) - PYRITIC - Indistinct Q and Feldspar phenos. (? 2-3%?) only 1/2 mm or so across. - hairline to 2 mm ^{VUGGY} pyrite veins and hairline Q veins	2	0	2	2	2	2	2	95.6	outside fault .2 in fault zone						
FAULT		Structure: Fault zone from 144.47 m to contact at 145.99 m - brecciation Dyke locally, characteristically VUGGY (dissem. vugs to 2 mm).															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

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MAJOR ZONE OF BRITTLE & FAULTING

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		<u>Alteration:</u> Local green seric. clay in fault zone.															
		<u>Mineralization:</u> Overall 1/2% PYRITE in vein and disseminations															
145.91	196.91m	COMMONLY BRECCIATED QUARTZ MONZONITE CUT BY MOSTLY (except 166.0m to 169.94m) SMALL ANDESITE DYKES.	2	0	4	3	4	1/4	1/3	95.6			Except 3m in some fault or fault zones				
		<u>Structure:</u> Only ca. 5-10% of interval is 10 cm - 40 cm dykes. Contacts brecciated commonly and 20°, 45° and 80° to c. axis. Andesite dykes strongly Q-carb. streaked, veined. Zone ends where brecciation ends. Fault zones noted below:															
		<u>Alteration:</u> Strongly bleached and sericitized QZMZ with local silicification near dyke contacts. Ductile and brittle. Streaks.															
		<u>Mineralization:</u> Locally and commonly 0.05 - 0.10% Py as disseminations. Stronger zones of py ± aspy sampled.															
		- 148.49m - 150.16m = Brittle fault zone.															
		- 153.10m - 155.34m = " " "															
		- 155.97m = TRACE SPHERULITE in 1mm. brecciated veinlet at 80° to c. axis.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		159.25-160.31m = Brittle fault zone w. strong brecciation															
		159.65-159.77m = Strong pyrite (10%) in banded ANDESITE DYKE; ? Tr. f. gr aspy??															
		159.24-159.31m = 3-4% Py and 0.1% (?) aspy.										B195					
		158.19-159.46m = Weakly minz ^d . bleached AND. and QZM2 BXA	1/4	0	4	3	4	4	2	95.5	"361	158.19	159.46	1.27	<.001	<.01	
		159.46-160.98m = 80% MINZ ^d AND. BXA w. 20% QZM2 BXA. Dnc 7cm banded Qtz. 1m w. SI Py at 80° to c. axis. Overall 3% sulphides (mainly py ± aspy)	3/4	0	3	4	2	3	4	95.3	"362 **	159.46	160.98	1.52	.115	.04	
		160.98-161.63m = bleached, weakly minz ^d & mod. veined AND DYKE. W.K. Py ± aspy	4	0	4	0	3	3/4	2	78.4	"363	160.98	161.63	0.65	.001	.01	
		20cm QZM2 & 40cm AND. DYKE Tr. Disse. Py & Tr. aspy on bedding face	2/3	0	3/4	0	2	3/3	1	100.0	"364	165.81	166.41	0.60	<.001	.02	
		AND. DYKE - one 2cm band of PY-Aspy (1/4%) at 70° to c. axis. Green mica ≈ 5% (Not bright green!)	3	0	3	0	2	3	2	99.9	"365	166.41	167.08	0.67	<.001	<.01	
		AND. Dyke - strong Q-Carb. veining 7% diss. green mica	4	0	3	0	3	4	1	99.9	"366	167.08	168.66	1.58	<.001	<.01	
		183.49-184.66m = Qtz-flawed QZM2 crackle bxa															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		-192.12m = 3mm. Qvn w. 4cm. phyllitic H. Wall. selvage (3% PY)																
196.91	296.03	WEAK to MODERATELY ALTERED QUARTZ MONZONITE CUT BY ANDESITE DYKES - local zones up to 1m long w. WEAK PYRITE Structure: - massive QZMZ and mod. to strongly veined AND Dykes. as noted below. Alteration: Weak to mod. sericitic pink K-spar, white (wk alt'm) to green (sericitic) plagioclase, and coarse brown matrix. Q-carbons 20% to 70% or more. Mineralization: important zones noted below w. weak phyllitic (Q-Ser-Py) zones in QZMZ w. up to 1-2% Pyrite. Locally trace aspy in AND PLITES -204.00 - 206.30m = gray to pinkish (K-spar?) speckled (dk green leucophan) alt. AND dykes 7% phanor. upper contact 30° to c. axis; lwr. contact 45° to c. axis. -214.27m - 215.20m = AND DYKE w. 5% green fuchsite (?) phanor. lwr. contact 25° to c. axis.	2/3	1/4	1/2	1/2	1/2	2	0	297.8								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- 229.82m - 230.58 = streaked (7% 1/4 mm chl. phenocr. PLAG, POMP, contacts 30 & 35° to c. axis															
FAULT		- 235.71m - 235.81m = 10 cm. fault gouge w. minor PY at 35° to c. axis. (15-20% bl. bxa bands)															
		- 237.08m = 12 cm. AND DYKE centered here															
		- 249.82m - 251.55m = GRAY fgr. AND-ESITE DYKE, w. 0.1% DYSS. PYRITE Broken contacts; occas. hairline Qvn 45° to c. axis; some 1-3 mm. black schists w. 1% PY															
		* - 252.52m - 255.89m = Major ANDESITE DYKE which is partly mineralized										B195					
		- AND DYKE - upper contact at 45° to c. axis. Breasted for 20 cm. One 15 cm. zone of 3% fgr. pyrite; 1 mm Q-cab. vln. w. py. Overall ≈ 1/4-1/2% PY	2	0	0	0	2 2/3	2	95.2	"367			252.52	254.10	1.58	<.001	<.01
		- AND DYKE - Tr. Py	2	0	0	0	2 2/3	1	98.3	"368			254.10	255.30	1.20	<.001	<.01
		** - MINZ'D ANDESITE w. 3-7% PY * Tr. - 1/4% ASPY	2	0	0	0	2	2	4	98.5	"369		255.30	255.89	0.59	.865	.05
		- QZMZ - 60% (FIRST PART of section) BXA; ≈ 1/10% PY Local silic'm for 60 cm. from contact	2	0	4	0	3	3	2	95.7	"370		255.89	257.15	1.26	.006	.01
		- 259.94m - 260.32cm = QZMZ Bxa ending in 1 1/2 cm Q-Py (5% veen.															
		- 263.94m - 264.87m = QZMZ Tr. PYRITE															

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Note # 371 Page 9 of 11
back at 12.17m - 14.13m

Note # 371 back at 12.17 meters - 14.13 meters

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		269.50 m - 270.10 m = SERIC. D71127															
		lwr. 3 cm. AND. DYKE in middle.															
		1/2% diss. PYRITE No ASPY.															
		- 274.24 m - 274.99 m = AND DYKE w.															
		sharp lwr contact 25° to c. axis.															
		- 276.30 m - 278.27 m = Gray Andesite															
		DYKE - lwr. cont. ≈ 40° to c. ax															
		- 283.98 m = 6 mm Q-Py vn. at 65°															
		to core axis.															
		- 287.23 - 287.25 m = 2 cm. aplite dyke															
		at 70° to c. axis. L. hairline Q vn.															
		- 294.80 - 295.50 m = ANDESITE DYKE															
		contacts 45° & 60° to c. axis. 7 cm.															
		sheared QZMz w. diss. py (weak)															
		at lwr. contact.															
296.03	305.27	MAJ. BLUFF QUARTZ-FELO- SPAR PORPHYRY DYKE w.	2	0	1/3	1/2	1/3	1	0	98.9							
		3-4% 1-2 mm Q eyes and up to 12%															
		feldspar phenos. Local 50 cm sections															
		look like S. Mackay F.P.															
		Structure: Banded upper contact 25° to															
		core axis. Sheared (3 cm) lwr. contact															
		ca. 50° to c. axis.															
		Alteration: Reddish colouration near contact.															
		Sericite at shear (in QZMz?).															
		Mineralization: None.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
305.27	325.83	<u>STRONG PROP. TO MOD. SERIKITIC</u> <u>E.O.H. ALT'D QUARTZ MONZONITE.</u>	1/3	0/4	2/3	1	1	2	2	78.7							
		<u>Structure:</u> Massive, solid core; small shears always 25-30° to c. axis.															
		<u>Alteration:</u> Strong propylitic, wk ser. (ser → plag) and mod. seric. alt'm ALT'N BECOMES WEAKER 313m															
		<u>Mineralization:</u> Local wk. diss. pyrite; Otherwise no min'm															
		- 308.81m - 309.92m = Veined, and speckled ANDESITE DYKE. Contact: 35° to c. axis.															
		- 310.66m = 2cm bl. bxa w. lt. green mylonite at 30° to c. axis.															
		- 311.19 - 311.78m = ANP. DYKE at 25° to c. axis.															
		- 313m - Alteration diminishes.															
		- 315.85m = 1-2cm brown and white chalcedonic quartz bxa vm. at 25° to c. axis.															
		E.O.H. = 325.83m															

Logged By: <u>C. Kuntz</u>	Field Coordinates: <u>4300E 2696N Elevm 947m</u>	Core Size: <u>NQ</u>
Property: <u>Goddell Ramp</u>	Survey Coordinates:	Hole Length: <u>944' (287.73m)</u>
Target: <u>Goddell shear under 97-50</u>	Azimuth / Dip: <u>-74° / 180°</u>	Downhole Surveys: ① <u>30.5m = 72.5m</u>
Started: <u>27/03/97</u>	Claim: <u>POP</u>	② <u>91.4m = 70°</u> ③ <u>152.4m = 69°</u>
Completed: <u>03/04/97</u>	Assays By: <u>Acme Labs</u>	④ <u>228.6m = 70°</u> ⑤ <u>277.37m = 71°</u>
	Casing: <u>HWL 3' = 0.91m</u>	

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	24.60	FRESH QZMTZ possibly four plane Structure: massive with Qtz carb veins (4x) triaxial to core axis (70°, 80°, 45°) 30° no folding present - some fract. disjointed Alteration: weak prop. lower contact 80° + ca. planar alteration, and weak phyllic alteration no obvious mineralization associated Mineralization: overall trace py, very small assy clasts, as with other holes, not significant enough to sample NB near lower contact strong crackling and more intense alteration. @ 5.75, 12.65, → 2cm wide Qtz-carb veins 80° + ca	2	2	2	0	1	2	1	98	.9						
			2	0	3	3	3	3	2	95	.75	195372	23.50	24.60	1.10	<.001	.04
24.60	25.60	BANDED GREEN SERICITIC AND SPHERULITIC FELDSPAR PORPH. DYKE Structure: Intrusive heavily altered unit - upper and lower contacts 80° + ca. (phyllic in QZMTZ) some fault gouge on fractures near lower contact Alteration: intense veining - stringers, 70° + ca. (appears to be green Qtz veins - possible host for gold) - angular 3mm scr. phenos Mineralization: (No visible py or other sulfides but) - hair line Qtz veins potential host for Au perpendicular to	2	3	4	1	3	4	9/2	90	.6	195373	24.60	25.60	1.00	<.001	.03

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t		
25.60	145.38	<u>ALTERED QUARTZ MONZONITE</u> <u>CH</u> BY RELATIVELY LARGE <u>ANDESITE DYKES</u> as noted below. <u>Structure</u> : Andesite dyke contacts noted below in massive QZMZ. Common 1-3 mm Q ± carb veins 65-80° to c. axis. Occasionally 20° to c. axis. <u>Alteration</u> : VARIABLE: Strong propylitic to strong sericitic and variations in-between. Propy. glt = chl. after matrix (hbl + d biot) w. light ser. of plag. plus fresh K-spar. Stronger alt. consists of carb. after matrix and bleaching of K-spar. plus ser. after plag. Chl. phases in ANDESITE DYKES (speckled) <u>Mineralization</u> : Occas. py. disc. on vein selvages and in contact zones of DYKES Andesite dykes (speckled w. 5-15% chl.) noted below with upper (first) and lower contacts listed second: 43.89m - 51.31m (broken) 57.61m - 60.39m (lwr. cont. 20° to c. axis) 72.03 - 74.44m (" " 25° " ") - 77.42 - 84.74m = Dyke (lwr. cont. 10° to c. axis) of pink magc. Alaskite w. 20% "clots" of sericite up to 1cm long.	2	1/4	2/4	1	0	2	1	98	75								
Alaskite Dyke.																			

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		<u>ANDESITE DYKES, cont'd.</u>															
		- Local Q - carb veins (1-2mm)															
		- 85.98m - 87.10m = (10° upper cont. and 45° lwr. contact)															
		- 90.38 - 92.84m - broken contacts															
		- 100.20m - 104.80m = sheared upper contact; lwr. contact 20-25° to c. axis.															
		- 119.26 - 119.72m = contacts 20-25° to c. axis															
		- 121.08 - 124.12m - contacts 40° & 45° to c. axis															
		- 138.18 - 138.78m = 2cm. mylonitic bl. bxa running up core axis.															
		- 142.85m - 143.75m = black mylonitic bxa running at 10° to core axis. Not sampled because of acute angle to c. axis															
145.38	156.02	<u>BUFFISH to GREENISH GRAY QUARTZ FELDSPAR PORPHYRY DYKE - no</u>	2	0	3	3	0	2	0	98.9							
		<u>clots of greenish seric. QFP. - 5%</u>															
		<u>1-2mm Qtz. eyes and 3-5% white feldspar phenos.</u>															
		<u>Structure:</u> Massive; banding at upper contact 30° to core axis.															
		<u>Alteration:</u> Feldspar phenos alt ^d to white clay. Abundant sericitic bands and ser. on fract.															
		<u>Mineralization:</u> NONE.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
156.02	175.19 m	<u>MIXED ZONE OF STRONGLY VEINED ANDESITE DYKES (60%) and STRONGLY ALTERED QUARTZ MONZONITE.</u>	0/3	0/4	4	0	2/3	0/4	0/2	95	7						
		<u>Structure:</u> Andesite dyke contacts ca. 30° to core axis; Q-carb veining in dykes mainly a "gash stockwork", more continuous 1-3 mm veins ca. 60° to c. axis.															
		<u>Alteration:</u> And. dykes dk green w. med-dk green pheno. (? chl-ser?). QZMZ alt'd to Q-Ser-K-spar (interstitial secondary? or primary?).															
		<u>Mineralization:</u> None noticed in QZMZ but bleached And. nr. contacts may have 1% diss. pyrite.															
175.19	183.46	<u>DEFINITELY STRONGLY ALTERED NORTH QUARTZ FELDSPAR MARKER DYKE with green sericitic "blobs" or clasts. 5-7% 1-2 mm Q eyes & 4-5% 2 mm feldspars. - "blobs" w. very indistinct (because of alteration) outlines; 5mm - 2cm across.</u>	2	0	0/4	2/3	0/4	0	0	97	6						
		<u>Structure:</u> Lower contact 55° to c. axis; upper contact 15° to c. axis.															

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
195.42	201.00	SERICITIZED AND HEMATIZED BORDER DYKE QFP - 12% 5mm wide "cubic" carb phenes - 7% 2mm wide quartz phenes rectangular (- some of these phenes are anhedral) (with gtz in the core) Structure: lower contact unknown 4ft of core @ 197.00 to 198.30 is Hematized - gradational upper contact, lower contact 25 to 30° tan. Alteration: strong sericite alteration - brown stained quartz blobs at lower contact 10cm zones of cracked clay filled fracture. Mineralization: barren (NS 200.86 - 202.34) = RUBBLE!	2	0	4	4	1	2	1	0	92	8						
201.00	212.30	TAN BROWN CARB RICH DYKE QFP - up to 15% rectangular 3mm-8mm wide phenes of carb. - up to 10% cubic 2mm-4mm wide gtz phenes - very low RQD for first 1.50m with rounded 80° tan. breccia 1cm wide Structure: lower contact 45° tan. split and crumbled relic structure (FAULT), at lower contact - slick Alteration: clay filled fractures 30° to 45° tan., well spaced - intermittent - No sericite alt. Mineralization: none	2	0	0	0	0	2	0	0	75	5						
212.30	215.40	VERY STRONG FAULT ZONE (50% RELIC STRUCTURE H=0)	1	0	0	4	0	0	0	80	1							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		Structure: completely or nearly entirely altered to clay - very soft!																
		Alteration: clay altered / lower contact 40°																
		Mineralization: none																
215.40	231.65	PALE OLIVE GREEN MOTTLED QUARTZ RICH P. DYKE (QFP) - 15 to 20% 2mm - 4mm 'cubic' Qtz phenos - 7 to 10% 3mm - 9mm 'rectangular' carb phenos - carb phenos turn pale yellow and increase in percentage at lower contact - Qtz phenos become anhedral and decrease in percentage at lower contact - (total of 3 axis) Structure: semi-massive lower contact 70° t.c.a. trace clay filled fractures 30° t.c.a., 65° Alteration: phenos appear to be elongated or stretched at upper contact Mineralization: none	2	0	1	1	2	0	0	0	99.8							
231.65	236.55	PALE OLIVE GREEN TO TAN, SERICITIZED SOUTH FP MARKER DYKE? - 10% Qtz phenos, small 2mm to large 5mm phenos closer to contact - 15% carb phenos 3 to 8 mm wide - very vuggy - black clay filled veins, 1cm wide alteration around them @ 65° 35° and 80° t.c.a. (total of 4 axis) * → sericite filled fractures at 45° to core axis - every 70 to 75cm in mineralized zones in	2	1	3	2	2	1	0	99.9								

appears to be
at contact every
70-75cm in mineralized
zones in
next unit

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

? South FP
doesn't have 10% Q₁₀₀

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Structure: lower contact 45° tea, 2cm wide, pinched qtz vein at; undulated, *															
		* a marker for the black breccia															
		Alteration: mod sericite, weak phyllic alteration															
		Mineralization: tr Py															
		(VERY IMPORTANT SYMBOL) appears to be 4.9 m between folded 2cm qtz-carb veins															
		→ important because 7 x 70 cm = 4.9 m; not coincidence															
236.55	272.00	MIXED!															
		HIGH GRADE ZONE															
		MINERALIZED UNIT OF FIVE MAJOR ROCK TYPES															
		MYLONITIC BLACK BRX 35% total)															
		① SILICIOUS RHYOLITE DYKES	2	0	1	0	4	4	2	99.9							
		② 240.80 - 241.30, 260.25 - 260.60 m															
		- flow banding 45° tea															
		- 5 axis, brecciated in segments															
		- undulated upper and lower contacts 30° tea.															
		- 39% Py tr. Aspy															
		- tr black brx, pinched and lensoidal															
		* * ② 2cm FOLDED QTE VEINS	2	0	0	0	4	4	2	99.99							
		② 240.60, 236.60, 254.35, 259.50 (266.80															
		265.10, 262.30, 272.00). Therefore; average of 4.7 m															
		between major folded qtz veins (close to 4.9 m)															

NB - or multiples of 70 - 75 cm

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		③ BARREN ANDESITE DYKES 253.85 - 254.10, 254.50 - 254.90, 256.85 - 257.25 - contacts 30° tea - large blebs of Py near contacts - 3 axis - (weak crackling) - less than 12% Py, trace fuchsite	1	1	0	0	3	1	1	99	99						
		④ STRONG SER. ALTERED BRECCIATED QZMZ 236.60 - 238.95, 239.50 - 240.60, 242.20 - 243.00, 249.15 - 251.85 } x 70cm 252.70 - 260.25, 260.90 - 262.30 } ? 263.60 - 264.50, 265.83 - 266.80 } 266.80 - 272.00 comments - clay filled seams 30° tea - contacts with other units 45° - sericite filled fractures 45° tea. - 2 or possibly 3 axis	1	0	3	2	0	3	2	95	7						
		⑤ MYLONITIC BLACK BRX - the rest - flows at 30° to 45° tea axis - with sections of flow alternating ± 90° tea. - 20% to 50% Py!! - appears to be intensified Py deposition close to contacts with * other units and every 70 cm within units - large quartz eyes up to 2cm wide a) 242.26 = intense Py with evidence of lensoidal pinching - tr ASPY	2	0	3	1	0	1	3/4	99	9						

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/ft	Ag oz/ft
		⑥ EXTREMELY SILICIOUS WELL MINERALIZED ZONES OF MYL. BLACK BRX WITH QUART VEIN.	2	0	0	0	3	4	3/4	99	.9						
		② 240.57 - 240.77 - QTZ 50%															
very ASPY →		* * * * 265.00 - 265.20 - QTZ 50% (these samples + one other (250.96 to 251.06) - split 1/4 and sent to Cormack's for immediate assay results.) -(contacts = 30-45° tea)														average 77.0 cm ↓	
SAMPLES:	# (4)	% Py = tr, gradational lower contact								1	99.8	195374	236.60	237.30	0.70	.003	.02
	# (4)	% Py = tr, gradational contacts, healed clay								1	99.7	195375	237.30	238.05	0.75	.001	.02
ZONE 'A'	# (4)	% Py = tr, fault at lower contact 20°								1	99.8	376	238.05	238.95	0.90	<.001	.06
MIN'D	# (5)	% Py = 2.5, lower contact 45°								2	99.85	377	238.95	239.50	0.55	.020	.03
	# (4) (5)	% Py = 1.0, lower contact 40° healed fault								1	99.8	378	239.50	240.60	1.10	.005	.01
	# (1) (2) (6)	% Py = 3.0 (ASPY), lower contact 80°, undulated					* *			3	99.85	379	240.60	241.30	0.70	.060	.05
	# (5)	% Py = 3.5 (tr ASPY), lower 40°, planar					*			2	99.85	380	241.30	241.90	0.60	.085	.09
	# (4) (5)	% Py = 1.0, lower contact 40°								1	99.85	381	241.90	243.00	1.10	.015	.03
	# (4) (5)	% Py = 3.0 } strong black brx every 75 cm, 5.09% Py (ASPY *)								2	99.9	382	243.00	243.55	0.55	.009	.07
	# (4) (5)	% Py = 3.5 } contacts undulated 15-30° tea. (ASPY *)								2	99.9	383	243.55	245.05	1.50	.021	.16
ASPY:	# (5)	% Py = 2.0-3.0 } gradational contacts between 75 cm								2	99.9	384	245.05	246.60	1.55	.142	.24
ASPY:	# (5)	% Py = 2.0-3.0 } dark black brx and gray brx. } contact 30°								2	99.9	385	246.60	248.10	1.50	.036	.16
	# (4) (5)	% Py = 2.0, lower contact 30° tea								2	99.9	386	248.10	249.15	1.05	.006	.04
	# (4)	% Py = 1.5, lower contact 30° tea								1	99.8	387	249.15	250.85	1.70	.004	.04
	# (5)	% Py = 5.0, lower contact 45° tea					* *			3	99.9	388	250.85	252.70	1.85	.053	.32
	# (3) (4)	% Py = 1.0 } all contacts 45° to 50°								1	99.9	389	252.70	254.20	1.50	<.001	.05
	# (3) (4)	% Py = 1.5 } barren grey andesite								1	99.8	195390	254.20	254.95	0.75	.098	.03
# (4)		less than (AZMZ in between mineralized) 0.29% Py } zones, 5.0 m between marker } 45° contacts (folded QTZ veins - markers?)													average 76 cm ↑ (or 152.00 cm)		

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
SAMPLES:																	
		# (4) & (5) % Py = 1.5, quartz marker vein, low contact							1	99.9		195391	259.50	260.25	0.75	.007	.03
		(cont.) # (1) & (2) & (3) % Py = 2.0 (20cm of # (1)), low contact							*	2	98.8	392	260.25	260.90	0.65	.018	.16
		ZONE 'B' # (4) % Py = 0.5, propylitic alteration, lower		30°					0	97.6		393	260.90	261.65	0.75	.006	.12
		# (4) % Py = 0.5 to ASPY, lower contact		30°					1	99.8		394	261.65	262.30	0.65	.004	.21
		ASPY? # (6) & (5) % Py = 2.5, @ upper contact gtz vein, lower contact		45°	*				3	99.85		395	262.30	263.60	1.30	.100	.14
		# (4) % Py = 0.5, lower contact 20° tea (undiluted)							1	99.9		396	263.60	264.50	0.90	<.001	<.01
		# (5) % Py = 1.5, lower 45° tea - lensoidal gtz eyes						*	2	99.9		397	264.50	264.95	0.45	.116	.06
strong pinching		(ASPY) # (5) & (6) % Py = 3.5, impregnated dyke 20cm, lower		30°	*	*			3	99.8		398	264.95	265.85	0.90	.020	.06
		# (4) & (2) % Py = 0.5, strong alt. ends at gtz vein, 80° tea							1	95.7		399	265.85	266.80	0.95	.002	<.01
		# (4) % Py = 0.5, prop. alteration, faulting, 20° tea							1	95.7		195400	269.44	270.97	1.53	.002	.01
		Comments: faulting, intense alteration, brecciation, all end at 272.00m															
- from 4 axis to 3 axis		→ (NB: 2cm 'pinched' gtz vein at 272.00m and 273.25 - markers?)															
		rapid decrease in fracturing and alteration -															
272.00	287.73	PHYLLIC - PROP. ALTERED QZMTZ WITH CARB. VEINS (278.50 to 279.00m, sand seam, FAULT!)	3	3	2	1	1	2	0	99.9							
		Structure: unmineralized carb veins at 30 80 and 45° to core axis, unidentifiable contacts at or near sand seam.															
		Alteration: phyllic - prop. altered - sericite and K-spar rich.															
		Mineralization: trace to no Py															

E.O.H.

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

Logged By: C. Kunitz			Field Coordinates: 4253E, 2719N, 958m el.										Core Size: NQ				
Property: Goddell Ranch			Survey Coordinates:										Hole Length: 320.04m, 1050'				
Target: Shear zone at bottom			Azimuth / Dip: 180° / -71										Drilled By: Carlin D.D.				
Started: 05/04/97			Claim: Pop										Assays By: Amur Labs				
Completed: 09/04/97			Casing: 3 feet - 0.91m										(1) 200' = 68° (2) 400' = 69° (4) 800' = 70° (3) 600' = 69.5° (5) 1000' = 69°				
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	116.5	WEAK TO STRONG ALTERED GEMZ WITH SEVERAL SMALL UNITS INTRUDING	2	3	1	1	1	1/2	1/2	99	9						
		Structure: essentially massive other than units defined between 11.90m - 54.4m (2.8m), and 64.90 - 77.20 (12.7m), and 66.15 - 66.35m (0.2m) - see core log 0.91 to 11.90 - 3 axis of gtz-carb veins 30°, 80° 70° - veins 60° to 70° cross one another at 90° spreaded in 11.90 to 116.50 - 4 axis same as above plus, every 7.0m or 10.0m healed or not healed fractures at 10° - 20° to note: sericite alteration near fractures, plus intense prop. alteration in some 10 cm bands Alteration: gtz-carb veins 80° to 90° have strong phyllite alteration around 0.5m - propylitic alteration increases at depth less phyllite (at 48.30 - 60m deep) Mineralization: 50.00 - 62.20 - chert, 4.7m a pyritic vein or contact with disseminate Py, 30° to 40° - same direction as veins of carb 70° to 80° NB: twinned gtz carb veins, possible markers?															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		also found 16.4 m apart - significance unknown (all multiples of 70cm) - twisted veins folded or 90cm) and often 1 to 2cm wide and apart															
		Comments: Structurally, it would appear as if the QZMT host for various shear zones display a repetitive pattern. This could be significant on a large scale.															
		Example: if someone in the field found a "double" gte-carb															
50m	veins are 20cm	vein, they may be able to															
and 50cm	apart but	calculate their approximate															
this is not	to be confused	distance to a potential ore															
with the fact	that 70cm	zone - sericite altered rock															
intercept are	probably	is generally associated with															
nearby veins	one another.	these "twisted" veins. At															
usually 70cm		surface the veins would be															
		most likely exposed while															
		the sericite should be vented away.															
SUB	UNIT	TS:															
		50.50 - 51.60 / PPOF. ALTERED SER. QZMT															
1.10m		- lower contact 40° tea, no Py															
		51.60 - 51.80 / PHYLLIC ALTERED SERICITE															
10.20m		- silicified, lower contact 80°															
		59° R, no ASPY -															
		51.80 - 52.30 / QUARTZ - SERICITE DYKE															
0.50m	white gte-carb	- with small light circular phos and green															
	phenos	stringers, lower contact 45°															
this size	sericite	and undulating															
		host - banded 80° tea and 1mm															
		wide stringers, strong 30° tea															
		in opposite direction - no Py															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		52.30 - 54.30 / L.GRAY TO D.GRAY (50/50) (Coarse grain) ANDRESEITE DYKE - lower contact 30° ten - 3 axis of mainly carb veins - 50% Py throughout. note: evenly distributed Py phenos 3mm (average in size - no ASPY)															
		54.30 - 66.15 / QZ MZ lower contact 30°															
		66.15 - 66.85 / B. ARREN ANDRESEITE MZ WITH SER QZ MZ folded contacts 80 - 30° ten - lower contact 30° - K-Spar alteration															
		66.85 - 68.10 / SER. QZ MZ - lower contact 30° ten															
		68.10 - 68.30 / SER. QZ MZ w. BLACK SP / - lower contact 30° - folded "twin" or "double" quartz veins = 2 to 3% Py															
		68.30 - 68.50 / QUARTZ FLOORED ANDRESEITE (Coarse grain) - lower contact 30° with shearing and sericite - 50% Py to 30% Py - no ASPY															
		68.50 - 68.90 / SERICITE FLOORED QZ MZ - gradational lower contact - 100% fuchsite phenos - 250 g/t															
		68.90 - 69.80 / STRONG HYDRA TIZED QZ MZ - prop. altered, gradational lower contact - 30% Py (lensoidal)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		67.80 - 87.15 / FRESH AN/D															
		(@ 81.99 10cm) - triaxial with phyllic alt'd															
		AN/D - barren selwages @ 80° to core axis															
		NB: → 1.4 to 1.5m - same typical unit as above															
		between selwages - lower contact - 30° strong undulation															
		87.15 - 87.65 / ANDESITE DIKE dark ind															
		- coarse pyrite no ASPY															
		3- 4% Py - lower contact undulating															
		87.65 - 92.80 - FRESH SPANZ															
		92.80 - 93.80 / PINK QUARTZ & MIN															
		HEMATIZED GYPH															
		(STRONG SER. ALT.)															
		- strong undulated upper and lower contacts - intense fracturing in															
		qtz stockwork - 4 to 5 vein planes															
		? * - possibly a new rock type															
		contacts are roughly 70°/10cm															
		93.80 - 105.00 / FRESH AN/D															
		(end of phyllic alteration) 105.00 - 105.20 / AN/D - 1% Py															
		105.20 - 105.40 / FRESH QZPY															
		105.40 - 105.70 / AN/D - 2% Py															
		105.70 - 106.10 / SER. QZPY (limonite)															
		106.10 - 106.40 / dark purple AND															
		- 3% Py, no ASPY															
		106.40 - 108.40 / HEMATIZED AN/D															
		- limonite rich with 1% Py															
		108.40 - 116.50 / FRESH QZPY															
		- lower contact 30° to core															
		- weak phyllic alt. near contact															
		- @ 109.6m one Py vein - 5cm wide															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
116.50	156.60	MOTTLED SERICITIZED QZITE	3	2	3	0	3	2	3	99	8						
		Structure: - less veins than unit above - 3m is (possible)															
		- every 14.65m a sericitized part															
		healed fault at 10° to 40°															
		(126.25m and 140.20m)															
		- every 6.0 to 7.0m (starting at "twisted" vein 118.30m), a quartz brecciated ductile shear zone with massive blocks of pyrite - average 3m in width															
		- trace to weak carbonate veinlets throughout unit - occurring at 20° and 45° to															
		- lower contact = 156.60m 40° to															
		Alterations: - moderate to strong sericite alt. with patches of propylitic alteration.															
		- phyllic alteration localized in Py veins															
		- possible slickensides near phyllic alt.															
		Mineralization: strong where localized but otherwise less than 0.5% Py															
Sub	UNITS: 117.90 - 118.50	STRONG PROPYLITIC QZITE															
		- (2cm x 4) pyrite - qtz veins 10° to															
		121.75 - 122.45 / AN 10 - light gray															
		(- coarse grain) - 100% feldspar, 5% Py															
		(upper contact is) - marginal - lower contact 30°															
		(stopped 70° to) - upper contact 30° - feldspar - 100%															
		122.45 - 124.85 / Mott. Serp. QZITE															
		very strong sericite - fault zone															
		- 30° to 40°															
		Py - qtz veins (2x)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		124.85 - 126.25 / AN/D - Light Green/Gray (fine grain) - 15% fuchsite, 3% Py - lower contact 10°							2	71.8	195408	124.85	126.25	1.40	<.001	<.01		
		126.25 - 127.00 / AN/D - Light Green (fine grain) - 5% fuchsite, 3% Py - lower contact 30°							3	99.85	195409	126.25	127.00	0.75	<.001	<.01		
		127.00 - 129.25 / AN/D - Dark Green/Gray (fine grain) - carb rich veins throughout - 4 axis - very cloudy / Small - 3% Py large 3mm-5mm spherical blebs, large fuchsite - lower 7m. - strong phyllic alteration lower contact 40° tea							2	99.4	195409	127.00	129.25	2.25	<.001	.01		
No Py ∴ this description is not as detailed as other.	→	129.25 - 146.95 / PROP. ALTERED QZM7 - (17.7m) { lower contact 80° tea - strong phyllic alteration essentially no Py } around brecciated lens (tr. near upper { wide gfr veins at 40° tea contact) (every 6.0 to 7.0m still)																
		146.95 - 147.70 / PROP. ALTERED QZM7 with 2 x 5cm BLACK BILLY - zones with black breccia have strong brecciation - upper and lower contacts 80° tea, 2-4% Py							1	1	2	92.5	195405	146.95	147.50	0.55	.008	.01
		147.70 - 148.40 / MOTTLED K-spar QZM7 - lower contact sericite vein 45° tea - most veins are sericitized																
		Note: @ 148.20 - folded 1.0cm (no Py) gfr - carb vein - strong folding																

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		148.40 - 149.10 / BRECCIATED MOTTLED QZM ¹															
		- sericitized veins and carb veins 1.5 m															
		- k-spar and increased gte content															
		- poor RQD (0.5) no Py, lower contact 40°															
		149.10 - 150.70 / SILICIFIED MOTTLED QZM ²															
		- tr sericite veins, 40° tea.															
		- RQD 0.9 k-spar flooded															
		- lower contact 45° no Py															
		150.70 - 152.10 - WEAK BRX MOTTLED QZM ²															
		- decrease in k-spar															
		- increase in sericite planes and veins or veinlets															
		- carb veins 70° tea. (every)															
		- no Py, lower = 45° (70cm)															
		152.10 - 153.60 / SER - (QTZ FLOODED) QZM ²															
		- lower contact 40° tea.															
		"twin veins" { - 10cm of weak phyllic alt.															
		10cm of { around a len vein and															
		20-30% Py { 2cm gte vein 40° tea.															
		tr ASPY { near or at lower contact.															
		- no sample - { - len pyritized sericite vein															
		at lower contact															
		- other than near veins, less 0.1% Py															
		153.60 - 155.14 - SERICITIZED QZM ²															
		- more intense brecciation															
		- lower contact undulated 40°															
		155.14 - 156.60 - STRONG BRX - QZM ²															
		- crackling infilled with cle.															
		- lower contact 40° tea.															
		- less sericite, faulted lower contact															

(a) 212.56, 1 cm stepped pink gl' vein

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Alterations: - weak K-spar, strong sericite - mottled matrix is not clear brecciated															
		Mineralization: less than 0.2% Py															
SUB	INTERVALS:	168.45 - 168.95 / HEALED QZMTZ BRX															
		- strong sericite															
		- 0.2% Py, lower contact = 40°															
		168.95 - 169.15 / LIGHT GRAY AN/D															
		- carb crackling weak fuchsite															
		- 10% Py, lower contact 30°															
		(gradational) → in colour															
		169.15 - 169.35 / V. STRONG HEMATIZED															
		ANDSITE DYKE															
		- 10% fuchsite phenos - lower															
		- no Py, lower contact 90°															
		169.35 - 172.75 / PURPLE ANDSITE DYKE															
		- veins 10° + ca, lower															
		contact 30° + ca															
		- mod. crackling															
		- 15% fuchsite phenos															
		172.75 - 176.30 / FRESH QZMTZ															
		- gradationally mottled															
		sericite vein															
		- lower contact sericitized															
		in middle at															
		30° + ca.															
		1.8 m (4x0.9m)															
		- gradationally sericitized															
		around middle of unit.															
		- lower contact 30° + ca															
		176.30 - 179.15 - V. STRONG He- ANDSITE															
		(1.85m)															
		- strong crackling in middle															
		- gradationally light gray at contacts															
		- 0.2% Py.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		178.15 - 237.45 - MLD. SERICITIZED CRACKLE BRX QZM? - veins sericitized, healed at 40° - some fractures are not healed - crackling intensifies at depth - phengite at path decrease - quartz content increases 15% to 25% - Py content also increases 0.5% to 2% - no ASPY															
		237.45 - 239.15 - STRONG SERICITIZED CRACKLE BRX QZM? - strong sericite alteration - 30% quartz content - 238.90 to 238.95 40° tan solid quartz vein - trace pyrite to strong Py (pyrite veinlets and small stringers of Py) 3-40.1y	1	0	4	1	2	3	2	97.8		195409	237.45	239.15	1.70	<.001	<.01
239.15	243.80	MIXED SERICITIZED QZM? WITH STRONG MINERALIZED BANDS BLACK BRECCIA Structure: upper and lower contacts to tan. - most intense mineralization at folded contacts - flow 40° tan also - pinching of flow bands very evident Alteration: sericitized; quartz veins localized to lower contacts of black breccia, less quartz found than with other typical units same size just less.	1	0	3	0	1	2	2	99.9							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Mineralization: samples 19540, 195412 - tr Py, very ASPY, other samples have only 1-2% Py, no or tr Py otherwise - overall, less Py than ASPY, colour: very dark gray, with strong lustre.				*	*		4	99.9		195410	240.50	241.45	0.95	.042	.01
									1	99.9		195411	241.45	242.30	0.85	<.001	.01
						*	*		4	99.9		195412	242.30	243.80	1.50	.002	<.01
									2	99.9		195413	243.80	245.05	1.25	<.001	<.01
24380	252.68	MOTTLED SER. ALTERED QZMTZ - increasingly sericized near lower contact - Hematite staining at upper contact, mixed with ser. phenos - RQD decreases at depth	1	0	3	2	1	0.5	1	100.0							
		Structure: - lower contact 45° tea - small 20cm section of barren andesite dyke - carb altered - contacts 40° tea															
		Alteration: brecciation and crackling increases at depth - very strong near lower contact - possible fault zone - ser phenos not pervasive, mottled; 20-30% quartz															
		Mineralization: less than 1% Py															
25268	270.35	FELDSPAR PORPHYRY DYKE - propylitically altered (20%) with strong hematite staining and untypically large 3-5mm Qtz eyes. - overall 14% feldspar phenos, 3mm average size, well defined, angular in shape	2	4	0	0	0	0	0	99.95							

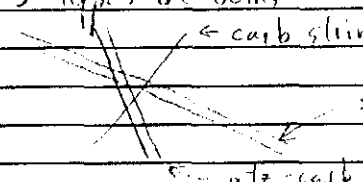
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Structure: lower contact 40° tea, gradational? propylitic altered near contact lower contact is a shear zone - irregular shaped unit Alteration: carb phenos 0.5cm in size - actual dyke may be mottled - intense alteration for 20% of unit Mineralization: none															
270.35	279.20	STRONG CRACKLE BRX QZMZ - intense faulting at upper contact; unmineralized, @ 270.90 - 10 cm of severely altered dyke - near clays appears to be part of a unit from claudette - altered to the point it's not identifiable light green colour with small bursts of quartz carb phenos Structure: - lower contact 45° tea, irregular - mylonitic texture near lower contact (weak) 40° tea Alteration: - strong sericite, weak phyllic Mineralization: 273.50 - 273.20 - rose coloured qtz vein - cracked (overall, no Py) - no Py	2	2	4	2	2	2	0	95.7							
279.20	288.15	MIXED MINERALIZED QFP DYKE AND STRONG PHYLLIC ALTERED *** MINERALIZED QUARTZ VEINS - some QZMZ with black brx 45° and 20° tea - lower contact 40° tea - strong crackling in DYKE units	2	2	1	1	3	4	2	99.8							

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
AMP	ES	SUB. UNITS: GRAY-BROWN QEP DYKE							1/2	90	-6	195414	279.20	280.11	0.91	.005	.01
		- 2% carb phenos, 2% small olivine															
		30% Py) - Sem. porphyry & 2% stringers, low contact 20°															
		/ L: GRAY TAN BROWN QEP DYKE							3	95	-7	195415	280.11	281.64	1.53	.006	.01
		- 4% gtz phenos, 50% carb phenos,															
		3-5% Py) - wide stringers as above, low contact 20° (15°)										195416	281.64	283.65	2.01	.008	<.01
		/ QZMZ w. BLACK BRX (70%)															
		- 40% 45°-30° ten, lower contact mild 45°															
		20% Py) - strong sericite alteration										195417	283.65	284.80	1.15	<.001	<.01
		/ MYLONITIC SEP. QEP DYKE															
		- green, 40% 45°-30° ten															
		no Py) - 10% cubic carb phenos, 5% gtz phenos										195418	284.80	285.44	0.64	.009	.03
		/ QZMZ w BLACK BRX (70%)															
		- blocks of Py, with limonite & possible 45°															
		40% Py) - mylonitic texture, low gtz vein - lower 45°										195419	285.44	286.15	0.71	.204	.84
		/ ASPY PHYLLIC ALT. QZMZ															
		- mylonitic texture, intense crackling															
		12% Py, 3% ASPY) - well formed round gtz fragments - gtz stringers										195420	286.15	288.15	2.00	.082	.10
		/ PROP ALT QZMZ & GRAY ANDES															
		- between units, "twin" gtz carb veins - very As PY (1% 6ph)															
		(7% Py, 10% ASPY) - strong mineralization at contacts 45°										195421	288.15	289.65	1.50	.001	<.01
		/ MOTTEED QZMZ w tr black brx															
		gradational contacts within unit 45° ten															
		(tr Py) gradational in colour - green to light pink															
		Comments: very well mineralized zone															
		- gtz crackling has created 3 to															
		5cm wide angular quartz															
		fragments, larger than normal.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
298.15	296.85	HEMATIZED SERICITIC QZMZ, with BARREN CARBONATE VEINED AN/D - lower contact start of green QZMZ, 20cm of strong black bx, 40° tea note: black bx is mylonitic and crosses plane Structure: decreasingly cracked - lower contact sh- flow banded gtz clasts - no gtz 40° tea 50° tea (triangle) black box Alteration: less hematized at depth, increasingly sericitized Mineralization: localized to black box.	2	2	0	0	2	2	1	99	.9							
									2	99	.9	195422	295.25	296.85	1.60	.003	<.01	
296.85	320.04	SERICITIZED & HEMATIZED QZMZ - 311.50 m to 312.20 mixed light gray andesite dyke - with quartz carb veins, 1 to 2% Py overall Structure: less brecciated than units above - lower contact unknown, upper contact 40° tea Alteration: 30% sericite, 30% pink stained QZMZ, 100% carb, 30% quartz - patches of flooding Mineralization: less than 0.2% Py. E.O.H.	2	3	3	1	2	1	9									

Logged By: C. Kunitz			Field Coordinates: 4253 E, 2719N, 958 m a.s.l.										Core Size: NQ				
Property: Goddell Range			Survey Coordinates:										Hole Length: 370.03 m				
Target: mineralized shear zone			Azimuth / Dip: 180 R / -74°										Downhole Surveys: (1) 200' = 71.5'				
Started: 10/04/97			Claim: POP										(2) 400' = 70.5' (4) 1,000' = 71.5'				
Completed: 15/04/97			Casino: 3ft casing										(3) 600' = poor (5) 1,200' = 72.0'				
Assays By: Alcor Labs																	
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0.00	0.91	CASING															
0.91	15.24	FRESH QZMTZ	1	2	2	0	3	1	1	71	95						
		Structure: massive, qtz-carb vein, 5 cm wide 45° and 70° tea lower contact 100' tea, alot of clay; more intense propylitic alteration															
		Alteration: weak phyllic, fresh unit otherwise															
		Mineralization: tr by, specular H ₂ O - tr.															
15.24	56.08	PROPYLITIC ALTERED QZMTZ															
		Structure: semi-massive, w/ 48.00m "twin" quartz veins (tr of carb), 65° tea - one vein 5cm wide 2mm across another vein 1 cm wide (colour: 0.5cm = 1 yellow other veins 70° tea); lens - pink/white															
* YELLOW vein is new!		- lower contact 30cm tea, pink/white slick 0.5 cm at part healed lower - soft															
		Alteration: mod. propylitic, weak phyllic - qtz/carb phyllic have a yellow hue. - 48.00m to 50.00m - very 64cm clay alteration with v. fine sections - 15.24 to 18.00 - weak heated clay seams 10° tea RQD=6.5															
		Mineralization: overall less than 0.7 g/t															
		SUB UNITS: 51.60 - 52.40 - poor (1) 0.7 g/t upper contact 5' tea 38cm at contact 2cm at base by 1-2% by carb.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		52.10 - 52.70 QZ-SER BAILED DYKE															
		- very green															
		- 50% quartz - carb anhydrot															
		phases - no clusters - equally distributed															
		- 50% quartz stringers 70° to															
		average 2mm width, no Py															
		- upper and lower contacts 100° to															
		52.70 - 56.08 - gradational change in composition of QZMZ															
		- less propylitic, more phyllic															
		- 2 to 5 cm wide andesite															
		clasts in QZMZ at depth -															
		tr Py in clasts, spherical shape															
56.08	131.85	MIXED HEMATIZED GRAY-GREEN ANDESITE DYKE w PHYLIC ALT'D QUARTZ MONZONITE	2	1	1	0	3	2	0	99.9							
		MAJOR UNITS:															
		56.08 - 59.90 / GRAY-GREEN AND															
		(2.80m) - upper contact - 1cm wide															
		folded quartz vein, lower															
		contact 80° to															
		- 10% limonite, 30% dark green															
		sericite around large pyrite															
		crystals (blebs) - total 2-5% Py															
		- marginal Py contact															
		- deep red hematite on fractures															
		70° to															
		4x 1mm wide carb veins															
		- cracked fabric - weak.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		59.90 - 66.90 / PHYLIC ALT'D QZMT (7.0m) - 3 types of veins															
		 ← carb slinger 70° ← sericitic 40° ← qtz-carb vein (25cm)															
		- lower contact 30° tea															
		- fresh carb phenos, and weak sericite phenos, massive unit cut by dykes.															
		- mod. hematite staining															
		- tr Py, tr Spec. Hematite															
		66.90 - 73.15 / GRAY-GREEN AN/D (6.25m) (same as above) - 2 pg. 2															
		73.15 - 73.65 / BRECCIATED QZMT (50cm) - strong sericite w. black brx															
		- 2cm of clay above black brx															
		- contacts (upper & lower) 40° tea															
		- total of 20cm brecciated strongly with large angular qtz fragments															
		tr. Py, tr ASPY; marginal for sampling - more contact than															
		(13.80m) a mineralized zone.															
		73.65 - 87.45 / PHYLIC ALT'D QZMT															
		mottled white (as above; however, with															
		quartz vein a 10cm brecciated pink															
		in middle of quartz vein at 81.70m -															
		pink qtz. intense crackling, large sericite blks.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		very weak propylitic alteration near contacts (6.35) - lower contact 30° tea slick															
		87.45 - 93.80 / GREEN to RED HCM. AN/D															
		- last 1.5m of unit 15% Hematite!															
		- intense crackling, infilled w. carb.															
		- gtx carb veins .5cm wide 80° tea															
		- 1-2% Py lower contact 80° tea - stepped															
		93.80 - 115.00 / PHYLIC ALT'D QZM7															
		- not wuggy, units above are															
		- weakly mottled low contact 25°															
		(95.45 to 95.65 - AN/D 5% Py - dark green)															
		(95.95 to 96.15 - AN/D 19% Py - light green)															
		- "twin" 0.5cm wide, 1.0cm apart															
		sericitic/py rich veins eg. 100.00m															
		- @ 97.85, 1cm wide gtx vein -															
		milky white. (stepped)															
		115.00 - 115.20 / LIGHT GREEN AN/D															
		- lower contact 25° tea															
		- 5% - 7% Py in 116.80 3cm															
		(dark green AN/D															
		- 2% Py)															
		115.20 - 118.40 / PHYLIC ALT'D QZM7															
		(as above)															
		118.40 - 119.15 / GREEN - GRAI AN/D															
		- 2% Py 11" in middle															
		- lower contact 30° tea															
		119.15 - 125.70 / WEAK PROP. ALT'D QZM7															
		tr Py lower contact 70° tea															
		125.70 - 126.90 / DARK GREEN - RED AN/D															
		3% Py, lower contact 30°															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		126.90-130.55 / WEAK MOTILED PZM7 - cut by small py rich AN/D - lower contact 40° tea.																
		130.55-131.85 / LIGHT GRAY-GREEN AN/D - lower contact 20-30° tea. - healed shear zone w quartz - 7 to 10% Py, 3% fuchsite - larger and angular phenos. - 3% Py stringer veins.																
131.85	172.40	PRIMARILY PROPYLITIC ALTERED QUARTZ MONZONITE - gradationally phyllic altered closer to QFP Dyke in next unit - 153.62 to 164.79 - very strong gradational hematite staining in centre of section - also intense crackling - composition of unit is semi-magmatic Structure: fractures 30-45° tea - small → trace sections of black breccia or sericitic/mylonitic relic structures 45° tea - weakly healed - intense crackling in many directions - only upper part is very steep to core axis. Alteration: strong sericite - strong to weak propylitic & weak phyllic Mineralization: overall less than .5% Py	2%	4	1	0	1%	99.8										

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		SUBCUTTS: 131.85 - 133.30 / MINERALIZED QFMZ			*	*		4	2 3/4	95	.6	195424	131.85	133.30	1.45	0.014	0.25
		- part healed cracking & shears															
		- Decs of Py, ASPY gtz-carb															
		veining - brecciated															
		- 5-7% Py overall tr ASPY															
		- some amount of fuchsite															
		as sample above.															
		- lower contact 20° tea.															
		136.86 - 139.70 / GRAY-GREEN AN/D			*			3	2	99	.8	195425	136.86	139.70	2.84	<0.001	0.86
		- 5-7% Py - no ASPY															
		(# 195425) - large fuchsite & pyrite															
		- large sample, phenos plus Py, spinels.															
		all over unit - upper and lower contacts															
		20° tea.															
		- brighter coloured green															
		fuchsite at upper contact															
Comments	@ 149.60	- 5 cm of very dark															
		potentially mineral rich															
		Py & ASPY loaded black brx															
		* → contacts 40° tea. however,							2	99	.9	195426	166.60	168.80	2.20	0.002	0.48
		not enough to sample							1	99	.9	195427	168.80	170.00	1.20	<0.001	<0.01
		- lower contact rock is silicious and					*	3	99	.8	195428	170.00	171.60	1.60	0.004	0.03	
		has more quartz content than top						1	99	.8	195429	171.60	172.40	0.80	<0.001	0.50	
		of unit. (tr ASPY) ∴ sampling															
172.40	185.70	SER: ALTERED QFP DYKE	2	0	2	0	1	2/3	2	99	.8						
		- essentially barren (1-2% Py), upper							2	99	.8	195430	172.40	173.40	1.00	<0.003	0.19
		contact tr ASPY ∴ sampling							1	99	.8	195431	173.40	174.96	1.56	<0.001	0.01
		- 90 Qtz phenos = 5															
		- 90 Feldspar phenos = 7 (3% at depth)															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Structure: strong mineralized veins (localized), at upper contact 30°-20° tea; ser. filled fractures 30° tea - slick planes Alteration: ser alteration, gtz and carb phenos are well formed and easily identifiable - dyke is vuggy Mineralization: overall 1-2% Py with increased percentages at upper contact - small (tr Py) veinlets and crackling near upper contact - lower contact irregular 45° tea.															
185.70	197.30	MOTTLED SER. @ 2M? - @ 187.50 - 30° tea 3cm of very strong mineralized Py (not enough sample) and ASPY rich Qtz vein 80° tea { @ 191.20 to 191.90 barren AN/D 191.90 to 192.10 @ 2M? 192.10 to 193.70 barren AN/D	1	1	3	0	1	2	9	99.8							
		Structure: lower contact 30° tea. sericitic filled veins 70° tea. gtz stringers (weak) 15° tea Alteration: - phyllic alteration at lower contact - sericite alteration moderate - andesite veins are carb crackled Mineralization: tr. Py, tr. spec. hematite - a marginal amount of ASPY is found at the lower contact															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
197.30	201.35	(CENTRAL ?) WEAK MINERALIZED QFP DYKE - fine ground Py veinlets - 50% gtz eyes 70% carb phenos Structure: - lower contact 70-80° - flow banded - strong crackling 30-45° tea. - stringers of Py adjacent at 45° tea. Alteration: weak sericite flow banding at contacts - no hematitic staining Mineralization: 3-50% Py, mainly in veinlets	2	0	2	0	0	3	3	99	85							
							*		3	99	85	195432	197.30	199.35	2.05	<0.001	0.01	
									2	99	85	195433	199.35	200.35	1.00	<0.001	<0.01	
201.35	262.40	MOTTLED SERICITIZED AND HEMATIZED QZMT * interesting: 212.20 - 212.40 - 1cm gtz carb vein - followed by 2 "twin" pink quartz veins 2cm wide, 80° tea, 10cm apart. Structure: - sericite filled fractures 30° tea, 45° and 70° tea, - all other veins 80° tea. - lower contact 45° tea. Alteration: strong sericite, intense crackling with sericite fractures, mottled through entire unit Mineralization: fc Py, overall barren unit.	2	2	4	2	1	2	0	99	8							

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		Alteration: more carb pheros in center of unit than at upper and lower contacts. Lower contact is dyke unit altered by mylonitic flowing and sericite upper and lower contacts brecciated and mineralised							1	99.7		195440	313.65	315.65	1.50	0.013	0.01	
									2	99.8		441	315.15	317.70	2.55	0.012	0.02	
								*	2 1/3	99.7		442	316.70	318.70	1.50	0.005	0.05	
								*	2 1/3	99.7		443	318.20	319.75	1.55	0.002	<0.1	
									1	99.8		195444	319.75	321.25	1.50	<0.001	<0.1	
		Mineralization: Described by the sample numbers in the description column.																
321.50	370.0?	PROP. ALTERED QZMTZ - mottled. - moderate sericite content - bleached around barren AN/D 342.80 - 343.60 - barren AN/D, 30°-40° - 29% fuchsite 352.65 - 355.70 - barren AN/D, 30°-40° - hematitic - chlorite pheno. - strong carb veining	2	1	3	0	1	2	9	97.8								
		Structure: cut by 1 1/2" carb veins 30°, 45°, 70°, lower contact 40°-45° - potential slicks at AN/D contacts 70°																
		Alteration: sericite alteration, weak hematite staining in QZMTZ - dyke core strong brecciation, very vuggy - quartz crystals																
		Mineralization: trace Py																
		E.O.H.																

993m el.

Logged By: T.M. Elliott
 Property: Goddell Decline
 Target: West Minz^m S. of 2nd X-cut
 Started: Apr 16, 1997 500' remark
 Completed: April 21, 1997 51m

Field Coordinates: 484026 E, 6612818 N (approx)
 Survey Coordinates:
 Azimuth / Dip: 180° / -56° Drilled By: Caron D.P.
 Claim: POP Assays By: Acme Labs
 Casing: HWL

Core Size: NQ
 Hole Length: 1179' = 359.35 m
 Downhole Surveys: ① 60.96m = -53°
② 121.92m = -52.5° ③ 182.88m = -52°
④ 243.84m = -51° ⑤ 304.8m = -51° ⑥ 359.35m

Completed: 1/11/2011																	
From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
0	1.22	CASING.															
1.22	93.88	MOD. TO STRONGLY PROPYLITICALLY - ALTERED QUARTZ MONZONITE (typical CARBON HILL "GRANITE") Alteration: Fresh, pink K-spar; fresh to ser. alt. plag.; fresh to chloritized biotite; Grain size: 3-4mm equigranular Local 15cm - several meter zoned SER. Structure: Massive w. Q, Carb & Q-Carb vms 1mm - 1cm commonly at 60° - 70° and 45° to c. axis. Mineralization: minor py. (dissem) - locally 60° to c. axis vmlts both flat lying and near vertical incl "opposing pairs" dipping at 60° to c. axis. 47m - 47.80m = 3cm pink fgr. aphte runs down core axis at 5° to c. axis. * 76.60m - ALTERATION INTENSITY INCREASES TO Q-SER-CARB (after matrix) as matrix are bleached light brown. Now only local 1 meter remnant of PROPY ALT'M.	1/2	3/4	1/4	1/4	0	1/3	1/2	19.8							
93.88	152.33	ALTERED QUARTZ MONZONITE, CUT BY 25% WEAKLY VEINED, ANDESITE "PORPHYRY" LIKE	4/5	1/4	3	1/2	0	1/2	1/3	18.7							

"actually measured!"

0-Absent; 1-Trace; 2-Weak; 3-Moderate; 4-Strong

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
		- some dykes have brecciated margins w. several per cent sulphides. (eg) First dyke from 93.93m to 95.44 m is brecciated at low contact w 56 cm (in dyke) of 1-2% py * and tr. Q-Ry - Aspy vnlts. Contacts: upper = 80° to c. ax. & low sharp at 25-30° to c. ax.; 1cm bl. breccia at upper contact. Structure: 10 cm - 3 metre And. II dykes. Contacts 5°, 45°, 50°, 30° Occas. 1mm-1cm bl. breccia (mylonite) cutting QZMZ Alteration: Chlorite or fuchsite (?) common in 5-10% 3-5mm. grains in AND DYKES; Plagioclase in QZMZ SERI- CITIZED and mafic brown (carb?) Fuchsite sometimes in bleached AND DYKE zones Mineralization: Minor py ± spy esp. in AND DYKES near contacts. Tr. Aspy locally																
152.33	167.40	CRACKLE BRECCIATED AND FALTERED GRAY ANDESITE PORPHYRY DYKE 7-20% 1-2 mm alt'd feldspar phenos and 7% irreg. former mafic (1mm) Colour varies from bleached light gray to dark gray Structure: Stockwork of 1-3mm fragments of Q-carb vnlts continuous vnlts	0/3	4	3	0	0	4	0/4	98.6								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		ca. 65° to c. axis. Banded occas. Q (center of unit) - carb. veins may have phyllite selvages w. 1-2% py - no aspy; selvages up to 1 cm wide.															
		<u>Alteration</u> : Strong propy. w. plagi. to sericite; mafic to chlorite; weak brown carb. (former 1/2-1 mm phenes) occasionally.															
		<u>Mineralization</u> : 97 cm felsic dyke at upper contact w. strong (5% average pyrite) up to contact (30° to c. axis) w. And. II which also cts 3-5% PYRITE. This section split out for assay - Other sections of py narrow commonly 1-2 cm and only 1-2% py - local hem. on fract.										B195					
								3 3/4	4	2	6	"445	152.33	153.77	1.44	<.001	.16
167.40	178.87	MASSIVE LIGHT BUFF RHYOLITE DYKE w. 2% white feldspar (1-2 mm) and 1/4-1% 1 mm Q eyes. High RQD	1	0	2 1/4	1/2	0	0	1	100	9						
		<u>Structure</u> : Banded, sericitic or propylitic contacts 1 meter zone at upper contact; base contact only 40 cm. Contacts 30° to c. axis.															
		<u>Alteration</u> : Weak; occas. ser. on fract.; white clay alter. interbedded feldspar.															
		<u>Mineralization</u> : None to occas. speck (rare py).															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
178.87	191.19	<u>MIXED ZONE OF GRAY AND-ESITE DYKES (50%) and ALT'D QUARTZ MONZONITE (50%)</u> - QZMZ mottled - Andesite π as described with some stc. veining, alt'm jct. as from 152.33m to 167.40m. <u>Structure</u> : Massive w. local 60cm. fract zones. Contacts 30° to c. axis. Crackle breccia not strong. <u>Alteration</u> : As previously described for And π ; QZMZ str. propy to mod. seric. <u>Mineralization</u> : Fe. diss. py. in QZMZ. - Lower contact 10° to c. axis.	1/2	1/4	3	0	0	1/4	1	78.8								
<u>PYRITIC MARKER DYKE</u>	191.19	219.0 <u>SER-SILIC. ALT'D and PYRITIC QUARTZ PORPHYRY MARKER DYKE</u> as found from ca. 221 - 247m in D77 96 - 28 4% 1-2mm euhedral Q eyes and 1/4 - 1/2% 1/10mm diss. py. minor aspy in contact zone (sampled); minor black ferr. sulphide or oxide. <u>Structure</u> : Sericite-silica-Q π bands 1mm - 1cm. common esp. for 2 meters at upper contact; but also in central areas of dyke; Banding may be foliated & brecciated (1mm - 1cm bands). <u>Alteration</u> : Varies from fresh to mod. sericitized. <u>Mineralization</u> : Mod. (1/2%) PYRITE mainly disseminated.	1	0	2/4	1	1/4	1/3	36	98.85								

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Sample "446" w. 1-2% PV, several patches of 1/2 mm ASPY xls plus. Figs. bl. ss? or ss? Bxated Qtz and banded						2/4	2/3	75	3	B 195	191.05	192.46	1.41	0.050	0.01
		-219.0m - hor. contact 5° to c. axis.										"446					
		-211.6m = minor diss. orange-br. sphalerite FLOW										A1	191.20 = 4mm				
219.0	232.38	<u>BANDED BLUFF and GRAY RHYOLITE</u> w. 1% 1-2mm Q eyes	1	0	1	1/3	1/4	2/4	1/3	99	9						
		Structure: 1mm-1cm bands at 5-30° to c. axis. PERLITE COMMON.															
		Alteration: Very hard → ? siliceous?															
		Abundant fracture (<1/2mm) Q and Q-Py (less commonly) veins cutting across banding															
		Mineralization: <0.1% PYRITE - mainly dissemin. Local 20-30 patches of 1% PV; 231.40m = minor Mo in Qtz															
		Contact; hor = highly irregular. Banding changes to 50° to c. axis 1m before contact															
232.38	243.53	<u>LIGHT BLUFFISH GRAY ALASKITE</u> w. MINERALIZED FRACTURES	2	0	0	0	0	0	3/3	73	99	B 195	232.38	232.86	0.48	0.001	0.15
		-1mm Q-feldspar grains = coarse aplitic.										"446					
		Structure: Massive equigranular to 240.48m, then banded at 25° to c. axis.										"448	232.86	234.14	1.28	0.001	0.14
		Alteration: Fresh										"447	234.14	235.73	1.59	0.002	0.19
		Mineralization: Weak to moderate fracture controlled mineralization to 239.37m. 0.1% - 0.5% dissemin. PYRITE as well.										"450	235.73	237.62	1.89	0.003	0.10

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		Most fracture mineralization										B195					
Aspy - SI		= ASPY nodules, sphalerite w. minor pyrite. Fractures 0°, 30° and 45° to c. axis. (w SI-Aspy)										"451	237.62	239.37	1.75	0.005	0.33
		At 232.7m = 70° to c. axis										"452	239.37	240.48	1.11	0.003	0.15
Galena *		fract w. galena cubes up to 1mm across. C? axis & silver??										"453	240.48	242.01	1.53	0.000	0.11
												"454	242.01	243.53	1.52	0.003	0.14
243.53	246.58	MEDILIM GRAY, UNMINERALIZED MASSIVE QTZ-FELDSPAR PORPHYRY DYKE - N.B NOT BLUFF! - only 1-3% QTZ and 1-3% 3mm Feldspar phenos. - lower half of dyke c. 1-2% alaskite frags which are rounded. Structure: Massive Alteration: Fresh w. sec. at lwr. contact Mineralization: a speckle of diss. py. - lwr contact broken & ca 800ft to c. axis. 1 reg. upper contact.	0	0	0	1	0	0	1	99.9							
246.58	250.67	PROPYLITICALLY ALT'D DARK GREEN ANDERSITE DYKE Structure: Massive; occas. hairline vults. Alteration: 20% very fine chlorite intermixed w. fresh white feldspar. Mineralization: Tr. diss. py. 1 X 1/2 mm. Carb-Py-SI (DK brown vult. at 15° to c. axis. → LWR. CONTACT 45° to c. axis (SHARP).	2	4	0	0	0	2	1	99.9							

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From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		- 273.88 - 273.93 = Q Sx Bxa w. white Qtz. frags. up to 2 1/2 cm long and rounded to subrounded ca 45° to c. axis. 1 frag. ctgs. 1% light brown sl.															
		- 275.35m = 3cm x 1cm rounded Qtz frag. w. 1% PY at margins. WELL TRAVELLED IN QZMz BXA.															
		- 276.64m - .84 = 20cm AND. DYKE w. several per cent fuchsite(?) Tr Aspy and 1/4 - 1/2 % PY; lwr. contact 50° to c. axis.															
** N.B. a second opinion would be good!	COMMENT	→ This hole reminds me of DDHs w. strong bxation, alteration & andesite dykes above ore zone - BLIT															
		- 276.64m - 280.31m = ZONE OF SMALL Fuchsite-brg, veined and py brg AND DYKES? ROOTS OR TOPS? of a minz'd zone?															
		- 287.96 - 289.26 = 1.3m carb-veined ANDESITE DYKE w. 1-2% Fuchsite(?) but NO SULPHIDES.															
303.03	329.70	MAINLY MASSIVE, ALTERED QUARTZ MONZONITE w. bxated lower contact. Structure: Lower contact 45° to c. axis. Bxation begins ca. 32cm from dyke contact. Hair/fin Q-carb vults locally common esp. at 319.93m - 320.69m. Alteration: Pink-fresh K-spar, sericitized plag & carb. brown mafic. Mineralization: Tr. py except bxated & carb. section near contact (lwr.).	3/4	0	3/4	1	0	1/4	1	99	35						

IN THE ROUNDED FRAGS -
WHERE IS SULPHIDE LEAKAGE?
I.E. SULPHIDE - FRG QZT FRAGS
MAY HAVE COME FROM BELOW

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t
		-321.66 - .70 m = 4 cm ap. lite dyke at 450 to c. axis.															
		-322.53 m - 322.91 m = 43 cm. pink leuc granite dyke (5-5 mm grain) ^{shri} present. 450 to c. axis & 1.5 m ^{shri} Port. 150 to c. axis															
		-327.21 - 329.33 m = 2.12 m of breasted and veined QZM2.															
		↓										B.W.					
		327.21 - 328.02 = 1/2% fine gr. ss. py. in brittle & ductile ser. shears (- 80° to c. axis)	1/2	0	4	1/2	0	2	2/3	10.6		"442	327.21	328.02	0.81	0.001	0.01
		328.02 - 329.33 m = 1.31 m of fine gr. ss. py. in both Q & brown or pink ss. (Rhod. chert?) and (00) calc. axis - 80° to c. axis. Vein v. v. from 100-1000 1% fine py.	1/2	0	4	1/2	0	4	3	15.2		"452	328.02	329.33	1.31	0.006	0.09
401.21	402.52	GRAY TO BLUE - POST MINERAL MASSIVE QUARTZ FELDSPAR PORPHYRY DYKE 5% each of 2 mm. Q and SPAR phos. Structure: local crackle brecciation; local banding, 1/2 mm contact shear & sericitized at 45° to c. axis. Lwr. contact also 45° to c. axis. Alteration: Felsic phos. light brown carb. altered; 3% sericit. patches and irregular + fracture fill ss. Mineralization: U. NONE noted.															

From	To	Description - Lithology, Structure, Alteration, Mineralization	Carbonate	Propylitic	Sericite	Clays	Silicic	Veins	Sulphides	% Recov.	RQD	Sample #	From	To	Length	Au oz/t	Ag oz/t	
342.82	359.35	MAINLY PROPYLITIZED QUARTZ E.O.H. MONZONITE w. / ANDESITE, PORPHYRY DYKE from QFP Dyke contact to 344.11m. Structure: Massive w. occas. carb. vns up to 7mm. across at 30° to c. axis. Alteration: QZM2 down to 348m alt. str. ser. as from 303.03-329.70m Then strong propy. alt. w. chl- oritized matrix and wk-mod. ser. of plag. & fresh pink K-spar. Mineralization: PYRITE on margins of Twin Q vns - 347.30 & 347.40m = TWIN 7mm. Q vns at 35-40° to c. axis. E.O.H. = 359.35m = 1179 feet.																

APPENDIX 2

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
G96-29	100215	94.39	95.63	1.24	0.398	0.49352		13.65
	100216	95.63	96.21	0.58	0.005	0.0029		0.17
	100217	96.21	96.98	0.77	0.114	0.08778		3.91
	100218	96.98	98.76	1.78	0.001	0.00178		0.03
	100219	98.76	100.28	1.52	0.000	0		0.00
	100220	100.28	101.53	1.25	0.008	0.01		0.27
	100221	101.53	102.80	1.27	0.665	0.84455		22.80
	100222	102.80	104.22	1.42	0.005	0.0071		0.17
	100223	104.22	104.85	0.63	0.003	0.00189		0.10
	100224	104.85	105.91	1.06	0.053	0.05618		1.82
	100225	105.91	107.28	1.37	0.531	0.72747		18.21
G96-29		94.39	107.28	12.89	0.173	2.23317		5.94
	100226	107.28	108.77	1.49	0.001	0.00149		0.03
	100227	108.77	110.20	1.43	0.019	0.02717		0.65
	100228	110.20	111.16	0.96	0.000	0		0.00
	100229	111.16	112.47	1.31	0.001	0.00131		0.03
	100230	112.47	113.64	1.17	0.000	0		0.00
	100231	113.64	115.22	1.58	0.000	0		0.00
		115.22	120.36		0.000	0		0.00
	100232	120.36	121.97	1.61	0.000	0		0.00
	100233	125.79	127.39	1.60	0.083	0.1328		2.85
	100234	127.39	128.50	1.11	0.206	0.22866		7.06
	100235	128.50	129.95	1.45	0.026	0.0377		0.89
	100236	129.95	131.02	1.07	0.007	0.00749		0.24
	100237	131.02	132.39	1.37	0.935	1.28095		32.06
	100238	132.39	133.12	0.73	0.006	0.00438		0.21
	100239	133.12	134.68	1.56	0.364	0.56784		12.48
	100240	134.68	136.15	1.47	0.003	0.00441		0.10
	100241	136.15	137.52	1.37	0.003	0.00411		0.10
	100242	137.52	139.13	1.61	0.003	0.00483		0.10
	100243	139.13	140.46	1.33	0.000	0		0.00
	100244	140.46	141.93	1.47	0.000	0		0.00
	100245	141.93	143.59	1.66	0.008	0.01328		0.27
	100246	147.89	148.62	0.73	0.114	0.08322		3.91
G96-29		125.79	148.62	18.53	0.128	2.36967		4.38
	INC.	127.39	134.68	7.29	0.292	2.12702		10.00

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
G96-30	100247	0.00		0.00		0		0.00
	100248	0.00		0.00		0		0.00
	100249	0.00		0.00		0		0.00
	100250	0.00		0.00		0		0.00
	100251	115.09	116.48	1.39	0.088	0.12232		3.02
	100252	116.48	117.84	1.36	0.178	0.24208		6.10
	100253	117.84	119.19	1.35	0.079	0.10665		2.71
	100254	119.19	120.87	1.68	0.026	0.04368		0.89
	100255	120.87	122.13	1.26	0.002	0.00252		0.07
	100256	122.13	123.01	0.88	0.010	0.0088		0.34
	100257	123.01	124.97	1.96	0.010	0.0196		0.34
	100258	124.97	126.49	1.52	0.023	0.03496		0.79
	100259	126.49	128.24	1.75	0.004	0.007		0.14
	100260	128.24	129.94	1.70	0.018	0.0306		0.62
	100261	129.94	131.50	1.56	0.001	0.00156		0.03
	100262	131.50	132.59	1.09	0.007	0.00763		0.24
	100268	146.30	147.83	1.53	0.070	0.1071		2.40
	100269	147.83	149.35	1.52	0.131	0.19912		4.49
	100270	149.35	150.88	1.53	0.002	0.00306		0.07
	100271	150.88	152.40	1.52	0.060	0.0912		2.06

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
97-32	100299	111.96	113.16	1.20	0.115	0.138		3.94
	100300	113.16	114.91	1.75	0.008	0.014		0.27
	100301	114.91	115.85	0.94	0.033	0.03102		1.13
	100302	115.85	117.22	1.37	0.005	0.00685		0.17
	100303	117.22	118.10	0.88	0.179	0.15752		6.14
		111.96	118.10	6.14	0.057	0.34739		
	100315	132.28	133.39	1.11	0.113	0.12543		3.87
	100316	133.39	134.89	1.50	0.006	0.009		0.21
	100317	134.89	136.48	1.59	0.003	0.00477		0.10
	100318	136.48	138.03	1.55	0.002	0.0031		0.07
	100319	138.03	139.40	1.37	0.003	0.00411		0.10
	100320	139.40	140.70	1.30	0.000	0		0.00
	100321	140.70	142.06	1.36	0.069	0.09384		2.37
	100322	142.06	142.95	0.89	0.042	0.03738		1.44
	100323	142.95	144.47	1.52	0.002	0.00304		0.07
	100324	144.47	146.00	1.53	0.015	0.02295		0.51
	100325	146.00	147.38	1.38	0.005	0.0069		0.17
	100326	147.38	149.05	1.67	0.254	0.42418		8.71
	100327	149.05	150.57	1.52	0.006	0.00912		0.21
	100328	150.57	152.10	1.53	0.024	0.03672		0.82
	100329	152.10	153.62	1.52	0.469	0.71288		16.08
	100330	153.62	155.14	1.52	0.006	0.00912		0.21
	100331	155.14	156.67	1.53	0.130	0.1989		4.46
	100332	156.67	157.96	1.29	0.020	0.0258		0.69
	100333	157.96	159.64	1.68	0.240	0.4032		8.23
	100334	159.64	161.02	1.38	0.681	0.93978		23.35
	100335	161.02	162.76	1.74	0.023	0.04002		0.79
	100336	162.76	164.29	1.53	0.129	0.19737		4.42
	100337	164.29	165.24	0.95	0.002	0.0019		0.07
	100338	165.24	166.80	1.56	0.004	0.00624		0.14
	100339	166.80	168.25	1.45	0.471	0.68295		16.15
	100340	168.25	169.41	1.16	0.048	0.05568		1.65
	100341	169.41	170.38	0.97	0.140	0.1358		4.80
	100342	170.38	171.41	1.03	0.186	0.19158		6.38
	100343	171.41	172.82	1.41	0.115	0.16215		3.94
	100344	172.82	174.07	1.25	0.056	0.07		1.92
	100345	174.07	175.13	1.06	0.087	0.09222		2.98
	100346	175.13	176.48	1.35	0.002	0.0027		0.07
	100347	176.48	177.16	0.68	0.009	0.00612		0.31
	100348	177.16	178.27	1.11	0.296	0.32856		10.15
	100349	178.27	179.41	1.14	0.170	0.1938		5.83
	100350	179.41	180.87	1.46	0.098	0.14308		3.36
97-32		147.38	180.87	33.49	0.151	5.06987		5.19
	INC.	152.10	179.41	27.31	0.163	4.45677		5.60
	INC.	157.96	172.82	14.86	0.190	2.81667		6.50

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
97-33B	100383	148.35	149.87	1.52	0.096	0.14592		3.29
	100384	149.87	151.24	1.37	0.054	0.07398		1.85
	100385	151.24	152.53	1.29	0.171	0.22059		5.86
	100386	152.53	153.86	1.33	1.120	1.4896		38.40
	100387	153.86	154.46	0.60	0.007	0.0042		0.24
	100388	154.46	154.85	0.39	0.004	0.00156		0.14
	100389	154.85	155.71	0.86	0.008	0.00688		0.27
	100390	155.71	157.32	1.61	0.142	0.22862		4.87
	100391	157.32	158.40	1.08	0.002	0.00216		0.07
	100392	158.40	159.60	1.20	0.156	0.1872		5.35
	100393	159.60	159.92	0.32	0.314	0.10048		10.77
	100394	159.92	160.66	0.74	0.013	0.00962		0.45
	100395	160.66	162.48	1.82	0.009	0.01638		0.31
	100396	162.48	163.21	0.73	0.374	0.27302		12.82
	100397	163.21	164.67	1.46	0.139	0.20294		4.77
	100398	164.67	166.23	1.56	0.178	0.27768		6.10
	100399	166.23	167.01	0.78	0.060	0.0468		2.06
	100400	167.01	167.94	0.93	0.065	0.06045		2.23
	100401	167.94	169.38	1.44	0.001	0.00144		0.03
	100402	169.38	169.90	0.52	0.219	0.11388		7.51
	100403	169.90	171.60	1.70	0.004	0.0068		0.14
	100404	171.60	173.12	1.52	0.022	0.03344		0.75
	100405	173.12	174.52	1.40	0.282	0.3948		9.67
97-33B		148.35	174.52	26.17	0.149	3.89844		5.11
	inc.	151.24	166.23	14.99	0.202	3.02093		6.91

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
97-34	100770	161.75	163.49	1.74	0.113	0.19662		3.87
	100771	163.49	165.16	1.67	0.002	0.00334		0.07
	100772	165.16	166.57	1.41	0.119	0.16779		4.08
	100773	166.57	167.41	0.84	0.098	0.08232		3.36
	100774	167.41	168.36	0.95	0.234	0.2223		8.02
	100775	168.36	169.92	1.56	0.025	0.039		0.86
	100776	169.92	171.47	1.55	0.002	0.0031		0.07
	100777	171.47	173.17	1.70	0.089	0.1513		3.05
	100778	173.17	174.66	1.49	0.002	0.00298		0.07
	100779	174.66	176.48	1.82	0.003	0.00546		0.10
	100780	176.48	178.00	1.52	0.002	0.00304		0.07
	100781	178.00	179.53	1.53	0.030	0.0459		1.03
	100782	179.53	180.44	0.91	0.000	0		0.00
	100783	180.44	181.11	0.67	0.200	0.134		6.86
	100784	181.11	182.69	1.58	0.029	0.04582		0.99
	100785	182.69	184.10	1.41	0.001	0.00141		0.03
	100786	184.10	185.62	1.52	0.000	0		0.00
	100787	185.62	187.15	1.53	0.002	0.00306		0.07
	100788	187.15	188.51	1.36	0.003	0.00408		0.10
	100789	188.51	190.20	1.69	0.000	0		0.00
	100790	190.20	190.95	0.75	0.000	0		0.00
	100791	190.95	192.66	1.71	0.301	0.51471		10.32
	100792	192.66	194.16	1.50	0.245	0.3675		8.40
	100793	194.16	195.14	0.98	0.159	0.15582		5.45
97-34		161.75	195.14	33.39	0.064	2.14955		2.21
	inc.	161.75	168.36	6.61	0.102	0.67237		3.49
	and	190.95	195.14	4.19	0.248	1.03803		8.49

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
97-35	100419	85.04	86.56	1.52	0.012	0.01824		0.41
	100420	86.56	88.09	1.53	0.049	0.07497		1.68
	100421	88.09	89.75	1.66	0.101	0.16766		3.46
	100422	89.75	91.14	1.39	0.002	0.00278		0.07
	100423	91.14	91.40	0.26	0.061	0.01586		2.09
	100424	91.40	92.66	1.26	0.018	0.02268		0.62
	100425	92.66	94.25	1.59	0.016	0.02544		0.55
	100438	127.90	128.90	1.00	0.024	0.024		0.82
	100439	128.90	129.90	1.00	0.022	0.022		0.75
	100440	129.90	130.90	1.00	0.162	0.162		5.55
	100441	130.90	131.90	1.00	0.053	0.053		1.82
	100442	131.90	132.90	1.00	0.001	0.001		0.03
	100443	132.90	133.90	1.00	0.000	0		0.00
	100444	133.90	134.90	1.00	0.000	0		0.00
	100445	134.90	135.90	1.00	0.000	0		0.00
	100446	135.90	136.90	1.00	0.007	0.007		0.24
	100447	136.90	137.90	1.00	0.000	0		0.00
	100448	137.90	138.90	1.00	0.043	0.043		1.47
	100449	138.90	139.90	1.00	0.002	0.002		0.07
	100450	139.90	140.90	1.00	0.014	0.014		0.48
	100851	140.90	141.90	1.00	0.117	0.117		4.01
	100852	141.90	142.90	1.00	1.786	1.786		61.23
	100853	142.90	143.90	1.00	0.816	0.816		27.98
	100854	143.90	144.90	1.00	0.535	0.535		18.34
	100855	144.90	145.90	1.00	0.242	0.242		8.30
	100856	145.90	146.90	1.00	0.155	0.155		5.31
	100857	146.90	147.90	1.00	0.211	0.211		7.23
	100858	147.90	148.90	1.00	0.098	0.098		3.36
	100859	148.90	149.90	1.00	0.425	0.425		14.57
97-35		140.90	149.90	9.00	0.487	4.385		16.70
	100863	159.50	160.60	1.10	0.215	0.2365		7.37

Drillhole	Sample #	From	To	Interval metres	Au (oz/ton)	L x Au	av. Au	Au g/T
97-36	100813	163.50	164.50	1.00	0.819	0.819		28.08
	100814	164.50	165.50	1.00	0.567	0.567		19.44
	100815	165.50	166.50	1.00	0.304	0.304		10.42
	100816	166.50	167.50	1.00	0.020	0.02		0.69
	100817	167.50	168.50	1.00	0.014	0.014		0.48
	100818	168.50	169.50	1.00	0.116	0.116		3.98
	100819	169.50	170.50	1.00	0.009	0.009		0.31
	100820	170.50	171.50	1.00	0.049	0.049		1.68
	100821	171.50	172.50	1.00	0.307	0.307		10.53
	100822	172.50	173.50	1.00	0.853	0.853		29.25
	100823	173.50	174.50	1.00	0.368	0.368		12.62
	100824	174.50	175.50	1.00	0.157	0.157		5.38
	100825	175.50	176.50	1.00	0.614	0.614		21.05
	100826	176.50	177.50	1.00	0.039	0.039		1.34
	100827	177.50	178.50	1.00	0.003	0.003		0.10
	100828	178.50	179.50	1.00	0.003	0.003		0.10
	100829	179.50	180.50	1.00	0.031	0.031		1.06
	100830	180.50	181.50	1.00	0.016	0.016		0.55
	100831	181.50	183.10	1.60	0.067	0.1072		2.30
	195951	183.10	184.10	1.00	0.033	0.033		1.13
	195952	184.10	185.62	1.52	0.133	0.20216		4.56
	195953	185.62	187.15	1.53	0.006	0.00918		0.21
	195954	187.15	188.67	1.52	0.000	0		0.00
	195955	188.67	190.20	1.53	0.000	0		0.00
	195956	190.20	190.93	0.73	0.005	0.00365		0.17
	100832	190.93	192.32	1.39	0.343	0.47677		11.76
	195957	192.32	193.24	0.92	0.002	0.00184		0.07
	195958	193.24	194.72	1.48	0.086	0.12728		2.95
	195959	194.72	196.29	1.57	0.000	0		0.00
	100833	196.29	197.50	1.21	0.002	0.00242		0.07
	100834	197.50	198.20	0.70	0.373	0.2611		12.79
97-36		163.50	198.20	34.70	0.159	5.5136		5.45
	inc.	163.50	176.50	13.00	0.323	4.197		11.07
	100835	198.20	199.64	1.44	0.019	0.02736		0.65
	100836	199.64	200.86	1.22	0.045	0.0549		1.54
97-37	100910	101.60	103.40	1.80	0.129	0.2322		4.42
	n/s	103.40	104.85	1.45	0.000	0 ?		0.00
	100911	104.85	105.37	0.52	0.208	0.10816		7.13
				3.77	0.090	0.34036		
and	100876	138.00	140.17	2.17	0.198	0.42966		6.79

FROM	TO	INT.	SAMPLE	Au	Ag	Au X INT.	
149.76	150.91	1.15	100883	0.091	0.02	0.10465	
150.91	151.80	0.89	100884	1.327	0.13	1.18103	
151.80	152.32	0.52	100885	0.726	0.04	0.37752	.905 over 1.41m
152.32	154.16	1.84	100886	0.080	0.12	0.1472	.411 over 4.4m
154.16	154.86	0.70	100887	0.026	0.04	0.0182	
154.86	156.00	1.14	100888	0.002	0.01	0.00228	
156.00	157.00	1.00	100889	0.001	0.01	0.001	
157.00	157.90	0.90	100890	0.011	0.01	0.0099	
157.90	158.90	1.00	100891	0.286	0.04	0.286	
158.90	160.00	1.10	100892	0.002	0.01	0.0022	
160.00	161.06	1.06	100893	0.003	0.01	0.00318	
161.06	162.15	1.09	100894	0.012	0.02	0.01308	
162.15	163.52	1.37	100895	0.920	0.17	1.2604	
163.52	164.53	1.01	100896	0.033	0.01	0.03333	
164.53	165.82	1.29	100897	0.064	0.01	0.08256	
165.82	166.34	0.52	100898	1.314	0.02	0.68328	
166.34	167.80	1.46	100899	0.034	0.02	0.04964	
167.80	168.50	0.70	100900	0.686	0.03	0.4802	.408 over 6.35m
168.50	170.38	1.88	100901	0.002	0.01	0.00376	
170.38	172.31	1.93	100902	0.003	0.01	0.00579	
172.31	174.01	1.70	100903	0.008	0.01	0.0136	
174.01	175.02	1.01	100904	0.361	0.02	0.36461	
175.02	176.50	1.48	100905	0.135	0.01	0.1998	
176.50	177.03	0.53	100906	0.114	0.01	0.06042	.207 over 3.02m
149.76	177.03	27.27				5.38363	
						0.197 over 27.27m	
150.91	177.03	26.12				0.202 over 26.12m	

GODDELL ASSAYS

97-42

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
60.02	60.35	0.33	195041	0.042		0.01386
60.35	61.87	1.52	195042	0.001		0.00152
61.87	63.4	1.53	195043	0.001		0.00153
63.4	64.92	1.52	195044	0.001		0.00152
64.92	66.45	1.53	195045	0.042		0.06426
66.45	67.64	1.19	195046	0.002		0.00238
67.64	69.49	1.85	195047	0.002		0.0037
69.49	71.02	1.53	195048	0.001		0.00153
71.02	72.63	1.61	195049	0.004		0.00644
72.63	74.07	1.44	195050	0.046		0.06624
74.07	75.59	1.52	195051	0.004		0.00608
75.59	77.11	1.52	195052	0.001		0.00152
77.11	78.64	1.53	195053	0.001		0.00153
78.64	79.71	1.07	195054	0.001		0.00107
79.71	81.35	1.64	195055	0.015		0.0246
60.02	81.35	21.33		0.009		0.19778
81.35	82.83	1.48	195056	0.001		0.00148
82.83	84.88	2.05	195057	0.001		0.00205

inc.

64.92	66.45	1.53	195045	0.042		0.06426
66.45	67.64	1.19	195046	0.002		0.00238
67.64	69.49	1.85	195047	0.002		0.0037
69.49	71.02	1.53	195048	0.001		0.00153
71.02	72.63	1.61	195049	0.004		0.00644
72.63	74.07	1.44	195050	0.046		0.06624
64.92	74.07	9.15		0.016		0.14455

97-43

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
149.44	150.85	1.41	195061	0.005		0.00705
150.85	152.12	1.27	195062	0.001		0.00127
152.12	153.59	1.47	195063	0.006		0.00882
153.59	153.78	0.19	195064	0.208		0.03952
153.78	154.84	1.06	195065	0.001		0.00106
154.84	156.36	1.52	195066	0.001		0.00152
156.36	157.89	1.53	195067	0.001		0.00153
157.89	159.41	1.52	195068	0.001		0.00152
159.41	160.93	1.52	195069	0.001		0.00152
160.93	162.46	1.53	195070	0.001		0.00153
162.46	163.87	1.41	195071	0.003		0.00423
163.87	165.34	1.47	195072	0.004		0.00588
165.34	166.74	1.40	195073	0.076		0.1064
166.74	168.17	1.43	195074	0.004		0.00572
168.17	169.71	1.54	195075	0.010		0.0154
169.71	171.60	1.89	195076	0.114		0.21546
171.60	172.56	0.96	195077	0.003		0.00288
172.56	173.77	1.21	195078	0.025		0.03025
173.77	174.65	0.88	195079	0.227		0.19976
174.65	176.38	1.73	195080	0.209		0.36157
176.38	176.87	0.49	195081	0.006		0.00294
176.87	177.77	0.90	195082	0.143		0.1287
177.77	179.36	1.59	195083	0.141		0.22419
153.59	179.36	25.77		0.052		1.35158
169.71	179.36	9.65		0.121		1.16575
173.77	179.36	5.59		0.164		0.91716
173.77	176.38	2.61		0.215		0.56133
179.36	180.75	1.39	195084	0.015		0.02085
180.75	182.70	1.95	195085	0.065		0.12675
182.70	183.79	1.09	195086	0.003		0.00327
183.79	185.32	1.53	195087	0.004		0.00612

97-44

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
164.66	165.84	1.18	195089	0.026		0.03068
165.84	167.16	1.32	195090	0.205		0.2706
167.16	168.34	1.18	195091	0.059		0.06962
164.66	168.34	3.68		0.101		0.3709
190.88	191.78	0.90	195092	0.055	0.05	0.0495
194.69	195.53	0.84	195093	0.004	0.03	0.00336
195.53	197.24	1.71	195094	0.045	0.09	0.07695
223.10	224.10	1.00	195095	0.008		0.008
224.10	225.10	1.00	195096	0.218		0.218
225.10	226.10	1.00	195097	0.002		0.002
235.90	237.00	1.10	195098	0.037		0.0407
237.00	238.00	1.00	195099	0.020		0.02
238.00	239.00	1.00	195100	0.005		0.005
239.00	240.00	1.00	195101	0.040		0.04
240.00	241.00	1.00	195102	0.015		0.015
241.00	242.00	1.00	195103	0.006		0.006
242.00	243.00	1.00	195104	0.002		0.002
243.00	244.00	1.00	195105	0.005		0.005
244.00	245.00	1.00	195106	0.067		0.067
245.00	246.00	1.00	195107	0.004		0.004
246.00	247.00	1.00	195108	0.019		0.019

97-45

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
240.43	241.16	0.73	195127	0.025		0.01825
241.16	241.86	0.70	195128	0.046		0.0322
241.86	242.62	0.76	195129	0.029		0.02204
242.62	243.23	0.61	195130	0.069		0.04209
243.23	243.58	0.35	195131	0.000		0
243.58	244.75	1.17	195132	0.030		0.0351
240.43	244.75	4.32		0.035		0.14968
244.75	245.16	0.41	195133	0.001		0.00041
265.23	265.90	0.67	195134	0.026		0.01742
265.90	266.59	0.69	195135	0.205		0.14145
265.23	266.59	1.36		0.117		0.15887
274.27	275.05	0.78	195136	0.004		0.00312
275.05	276.40	1.35	195137	0.030		0.0405
281.85	283.20	1.35	195138	0.006		0.0081
283.20	284.31	1.11	195139	0.013		0.01443
284.31	284.80	0.49	195140	0.025		0.01225
						0
295.44	296.02	0.58	195141	0.121		0.07018
315.27	316.30	1.03	195142	0.024		0.02472

97-46

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
125.70	127.40	1.70	195176	0.031		0.0527
127.40	128.90	1.50	195177	0.014		0.021
128.90	130.00	1.10	195178	0.180		0.198
130.00	130.70	0.70	195179	0.704		0.4928
		5.00		0.153		0.7645
128.90	130.70	1.80		0.384		0.6908
144.45	145.70	1.25	195180	0.151		0.18875
145.70	147.20	1.50	195181	0.010		0.015
147.20	148.80	1.60	195182	0.059		0.0944
148.80	150.30	1.50	195183	0.117		0.1755
		5.85		0.081		0.47365
150.30	151.80	1.50	195184	0.018		0.027

97-47

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
92.05	93.30	1.25	195200	0.112		0.14
117.50	118.35	0.85	195201	0.028		0.0238
118.35	119.80	1.45	195202	0.011		0.01595
119.80	121.30	1.50	195203	0.009		0.0135
121.30	122.80	1.50	195204	0.006		0.009
122.80	124.35	1.55	195205	0.002		0.0031
124.35	125.90	1.55	195206	0.029		0.04495
125.90	127.40	1.50	195207	0.032		0.048
127.40	128.95	1.55	195208	0.050		0.0775
128.95	130.45	1.50	195209	0.000		0
130.45	132.00	1.55	195210	0.006		0.0093
132.00	133.60	1.60	195211	0.055		0.088
133.60	134.90	1.30	195212	1.499		1.9487
134.90	136.55	1.65	195213	0.011		0.01815
136.55	138.10	1.55	195214	0.004		0.0062
138.10	139.10	1.00	195215	0.709		0.709
139.10	141.10	2.00	195216	0.002		0.004
141.10	142.20	1.10	195217	0.031		0.0341
117.50	142.20	24.70		0.124		3.05325
132.00	142.20	10.20		0.275		2.80815
132.00	139.10	7.10		0.378		2.68205
133.60	139.10	5.50		0.488		
149.05	150.70	1.65	195218	0.003		0.00495
172.00	173.50	1.50	195219	0.090		0.135
173.50	176.90	3.40	195220	0.000		0
176.90	177.80	0.90	195221	0.021		0.0189
179.60	181.05	1.45	195222	0.001		0.00145

97-48

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
94.30	95.85	1.55	195200	0.432		0.6696

other samples less than 0.03 oz/t Au

97-49

FROM	TO	INT. (m)	SAMPLE	Au oz/ton	Ag oz/ton	Au X INT.
102.40	103.50	1.10	195268	0.069		0.0759
103.50	104.85	1.35	195269	0.002		0.0027
104.85	106.40	1.55	195270	0.000		0
106.40	107.70	1.30	195271	0.080		0.104
		5.30		0.034		0.1826
112.50	113.60	1.10	195272	0.002		0.0022
117.50	119.30	1.80	195273	0.005		0.009
135.80	137.75	1.95	195274	0.000		0
137.75	139.00	1.25	195275	0.000		0
139.00	140.25	1.25	195276	0.066		0.0825
140.25	141.43	1.18	195277	0.046		0.05428
		2.43		0.056		0.13678
158.20	159.50	1.30	195278	0.004		0.0052
174.30	175.30	1.00	195279	0.032		0.032

97-50 GODDELL

sample #	from	to	interval m	Au opt	Au x int.
195287	115.4	115.85	0.45	0.117	0.05265
195300	205.45	206.95	1.50	0.062	0.093
195301	206.95	208.50	1.55	0.050	0.0775
195302	208.50	210.00	1.50	0.168	0.252
195303	210.00	211.80	1.80	0.136	0.2448
195304	211.80	213.05	1.25	0.245	0.30625
195305	213.05	214.15	1.10	0.001	0.0011
195306	214.15	216.10	1.95	0.502	0.9789
	205.45	216.10	10.65	0.183	1.95355
inc.	208.50	216.10	7.60	0.235	
195314	238.15	238.95	0.8	0.185	0.148

97-51 GODDELL

sample #	from	to	interval m	Au opt	Au x int.
195315	70.6	72.1	1.50	0.001	0.0015
195316	72.10	73.50	1.40	0.022	0.0308
195317	100.45	101.50	1.05	0.006	0.0063
195318	179.22	181.27	2.05	0.000	0
195319	181.27	182.80	1.53	0.000	0
195320	182.80	184.37	1.57	0.000	0
195321	184.37	185.45	1.08	0.016	0.01728
195322	185.45	186.25	0.80	0.200	0.16
195323	186.25	187.23	0.98	0.646	0.63308
195324	187.23	188.77	1.54	0.003	0.00462
195325	188.77	190.66	1.89	0.002	0.00378
195326	190.66	191.32	0.66	0.000	0
195327	191.32	191.78	0.46	0.000	0
195328	191.78	192.42	0.64	0.001	0.00064
195329	192.42	193.29	0.87	0.167	0.14529
195330	193.29	194.46	1.17	0.003	0.00351
195331	194.46	195.51	1.05	0.003	0.00315
195332	195.51	196.69	1.18	0.286	0.33748
195333	196.69	197.95	1.26	0.350	0.441
195334	197.95	199.03	1.08	0.035	0.0378
195335	199.03	200.55	1.52	0.022	0.03344
195336	200.55	202.08	1.53	0.157	0.24021
195337	202.08	203.60	1.52	0.000	0
195338	203.60	205.13	1.53	0.287	0.43911
195339	205.13	206.65	1.52	0.234	0.35568
195340	206.65	208.17	1.52	0.151	0.22952
195341	208.17	209.70	1.53	0.003	0.00459
195342	209.70	211.22	1.52	0.002	0.00304
195343	211.22	212.75	1.53	0.150	0.2295
195344	212.75	214.27	1.52	0.156	0.23712
195345	214.27	215.79	1.52	0.089	0.13528
195346	215.79	217.32	1.53	0.238	0.36414
195347	217.32	217.95	0.63	0.487	0.30681
195348	217.95	218.36	0.41	0.005	0.00205
195349	218.36	219.01	0.65	0.022	0.0143
195350	219.01	220.05	1.04	0.002	0.00208
195351	220.05	220.79	0.74	0.230	0.1702
			35.34	0.128	4.53742

inc.	195.51	217.95	22.44	0.151	3.39472
inc.	203.60	217.95	14.35	0.161	2.30479
inc.	203.60	208.17	4.57	0.224	1.02431
and	211.22	217.95	6.73	0.189	1.27285

195352	220.79	221.89	1.10	0.014	0.0154

P.02/02

604 253 1716 TO 14036682300

DU 18'96 17:20 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

852 B. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

AA
LL

ASSAY CERTIFICATE

AA
LL

BYG Natural Resources Inc. PROJECT OMNI-GODDELL File # 96-5969

110 Industrial Road, Whitehorse YT Y1A 2T9 Submitted by: Bill Mann

SAMPLE#

Ag** Au**
oz/t oz/t100154
100165
100166
100172
100173.07 .063
<.01 .001
.01 <.001
.01 .011
.06 .120100184
RE 100184
100186
100196
STANDARD R-1/AU-1.15 .079
.14 .077
.03 <.001
14.30 .039
3.06 .095

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

SAMPLE TYPE: ROCK PULP

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 13 1996

DATE REPORT MAILED:

Nov 18/96

SIGNED BY: *CH*

D.O. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GODDELL Samples

96/10/25

	Au (oz/ton)	Ag (oz/ton)
20151	0.003	0.047
52	0.001	0.034
53	40.001	0.025
54 * 1.52m	* .068	* .074 Au+Ag 0.158 oz/ton
55	40.001	40.001
56	0.002	0.016
57	40.001	40.001
58	40.001	40.001
59	40.001	40.001
100 60	40.001	40.001
61	40.001	40.001
62	40.001	40.001
63	40.001	0.041
64	40.001	0.033
100 65 * 1.35m	40.001	40.001 .555
66 - sl.	0.002 <.001	0.014 .028
67	40.001	40.001
68	40.001	40.001
69	40.001	40.001
100 70	40.001	0.045
71	40.001	0.016
100 72	0.010 .012	0.027 .023
100 73 * 2.22m	* .110	* .104 (Au+Ag 0.205 oz/ton)
74	40.001	40.001
75	40.001	40.001
76	40.001	40.001
100 77	40.001	40.001

* Samples will be rerun as the ratio of Ag to Au was insufficient.

20184 } also
20186 }

Sheet1

BYG OMNI GODDELL

Samples of October 24, 1996

6-NOV-96

SAMPLE	Au (oz/ton)	Ag (oz/ton)	
100178	trace	trace	
179	trace	trace	
180	0.006	0.013	
181	0.005	0.014	
182	0.047	0.017	
183	trace	trace	
184	0.152	0.221	1.35 m
185	trace	0.040	
186	0.009	0.041	
187	trace	0.015	
188	trace	trace	
189	0.007	0.029	
190	trace	0.031	
191	trace	trace	
192	trace	0.060	
193	trace	0.078	
194	trace	0.083	
195	trace	trace	
196	0.039	14.709	0.70 m



ASSAY CERTIFICATE



BYG Natural Resources Inc. PROJECT OMNI File # 96-8912 Page 1

110 Industrial Road, Whitehorse YT Y1A 2P9

SAMPLE#	Ag** oz/t	Au** oz/t
B 100197	.01	.002
B 100198	.02	.007
B 100199	.01	<.001
B 100200	.02	<.001
B 100201	<.01	.010
B 100202	.02	.003
B 100203	.02	.014
B 100204	<.01	.002
B 100205	.01	<.001
B 100206	<.01	<.001
B 100207	.02	.008
B 100208	<.01	.008
RE B 100208	.02	.008
RRE B 100208	.01	.008
B 100209	<.01	<.001
B 100210	.01	.004
B 100211	.01	.002
B 100212	<.01	.002
B 100213	.02	<.001
B 100214	<.01	.002
B 100215	.05	.398
B 100216	<.01	.005
B 100217	.11	.114
B 100218	.02	.001
RE B 100218	.02	<.001
RRE B 100218	<.01	.001
B 100219	<.01	<.001
B 100220	<.01	.008
B 100221	.08	.665
B 100222	.01	.005
B 100223	.07	.003
B 100224	.01	.053
B 100225	.09	.531
B 100226	.01	.001
B 100227	.01	.019
B 100228	.01	<.001
STANDARD R-1/AU-1	2.93	.097

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: DEC 23 1996 DATE REPORT MAILED: Jan 6/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Ag** oz/t	Au** oz/t
B 100229	.01	.001
B 100230	<.01	<.001
B 100231	.02	<.001
B 100232	<.01	<.001
B 100233	.04	.083
B 100234	.36	.206
B 100235	.02	.026
B 100236	.02	.007
B 100237	.11	.935
B 100238	.03	.006
B 100239	.11	.364
B 100240	.02	.003
RE B 100240	<.01	.002
RRE B 100240	.02	.003
B 100241	.01	.003
B 100242	.01	.003
B 100243	<.01	<.001
B 100244	.01	<.001
B 100245	.03	.008
B 100246	.02	.114

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD.

1852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-1110 FAX (604) 253-1716

ASSAY CERTIFICATE

BYG Natural Resources Inc. PROJECT OMNI File # 96-6916

110 Industrial Road, Whitehorse YT 1A 2T9 Submitted by: Terry Elliot

SAMPLE#	Ag** oz/t	Au** oz/t
B 100247	.01	.015
B 100248	.03	.037
B 100249	<.01	.005
B 100250	.02	.001
B 100251	.04	.088
B 100252	.02	.178
B 100253	.05	.079
B 100254	.08	.026
B 100255	.03	.002
B 100256	.04	.011
RE B 100256	.03	.011
RRE B 100256	.04	.008
B 100257	.02	.010
B 100258	.03	.023
B 100259	.01	.004
B 100260	.04	.018
B 100261	.02	.001
B 100262	.06	.007
B 100263	.03	.001
B 100264	.01	.001
B 100265	.02	.010
B 100266	<.01	.002
B 100267	.01	.005
B 100268	.02	.070
RE B 100268	.01	.070
RRE B 100268	.03	.071
B 100269	.01	.131
B 100270	.01	.002
B 100271	.03	.060
B 100272	.02	<.001
B 100273	.06	<.001
B 100274	.05	<.001
B 100275	.01	.003
B 100276	.01	<.001
B 100277	<.01	<.001
STANDARD R-1/AU-1	2.92	.098

96-30

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Repeat Reruns.

DATE RECEIVED: DEC 27 1996 DATE REPORT MAILED: Jan 6/97 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date: 1/6/97

P.03/04

604 253 1716 TO 14036682300

JAN 21 '97 12:58 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

852 B. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0266 Page 1
 402 - 750 W. Pender St., Vancouver BC V6C 2T7 Submitted by: Bill Mann

SAMPLE#	Ag** oz/t	Au** oz/t
B 100278	.01	.010
B 100279	.03	.002
B 100280	.02	<.001
B 100281	.02	<.001
B 100282	.03	.010
B 100283	.01	.016
B 100284	.03	.014
B 100285	.17	.050
B 100286	.04	.005
B 100287	<.01	.002
B 100288	.02	.015
B 100289	.01	<.001
B 100290	.02	<.001
RE B 100290	.01	<.001
RRE B 100290	.01	<.001
B 100291	<.01	<.001
B 100292	<.01	<.001
B 100293	<.01	.002
B 100294	.01	<.001
B 100295	.01	.003
B 100296	.01	.023
B 100297	.03	.035
B 100298	.01	.030
B 100299	.04	.115
B 100300	.02	.008
RE B 100300	.03	.008
RRE B 100300	.02	.009
B 100301	.23	.033
B 100302	.26	.005
B 100303	.04	.179
B 100304	<.01	.004
B 100305	.02	<.001
B 100306	.02	<.001
B 100307	.02	<.001
B 100308	.02	<.001
B 100309	.01	<.001
STANDARD R-1/AU-1	2.97	.095

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: JAN 15 1997 DATE REPORT MAILED: Jan 21/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA 3/16/97



SAMPLE#	Ag**	Au**
	oz/t	oz/t
B 100310	.03	<.001
B 100311	.01	<.001
B 100312	.01	<.001
B 100313	.01	<.001
B 100314	.01	.005
B 100315	.04	.106
RE B 100315	.05	.120
STANDARD R-1/AU-1	2.90	.092

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P.02/04

504 253 1716 TO 14036682300

JAN 21 '97 12:57 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-3716

AA
11

ASSAY CERTIFICATE

AA
11Omni Resources PROJECT GODDELL File # 97-0292
402 - 750 W. Pender St., Vancouver BC V6C 2T7 Submitted by: Bill Hann

SAMPLE#

Ag** Au**
oz/t oz/tB 100316
B 100317
B 100318
B 100319
B 100320.03 .006
.02 .003
.02 .002
.11 .003
.16 < .001B 100321
B 100322
B 100323
B 100324
B 100325.18 .069
.01 .042
< .01 .002
< .01 .015
.04 .005B 100326
RE B 100326
RRE B 100326
B 100327
B 100328.10 .249
.08 .248
.15 .266
.06 .006
.03 .024

.11 , .254

B 100329
B 100330
B 100331
B 100332
B 100333.15 .469
.09 .006
.08 .130
.05 .020
.07 .240B 100334
B 100335
B 100336
RE B 100336
RRE B 100336.17 .681
.13 .023
.11 .126
.12 .129
.12 .131

.12 , .129

B 100337
B 100338
B 100339
B 100340
B 100341.02 .002
.02 .004
.08 .471
.02 .048
.03 .140B 100342
B 100343.17 .186
.02 .115

STANDARD R-1/AU-1

2.92 .096

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Repeat Reruns.

DATE RECEIVED: JAN 16 1997 DATE REPORT MAILED: Jan 21/97 SIGNED BY: C. Long D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date: 1-21-97 Yink

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0311
 402 - 750 W. Pender St., Vancouver BC V6C 2T7 Submitted by: Bill Mann

SAMPLE#

Ag** Au**
oz/t oz/t

97-32

B 100344 .02 .056
 B 100345 .03 .087
 B 100346 .02 .002
 B 100347 .01 .009
 B 100348 .03 .296

B 100349 .03 .170
 B 100350 .01 .098
 B 100351 .01 .005
 B 100352 .01 < .001
 B 100353 .02 .003

B 100354 .01 .001
 RE B 100354 .02 < .001
 RRE B 100354 .02 < .001
 B 100355 .08 .071
 B 100356 .02 .008

B 100357 < .01 < .001
 B 100358 .01 < .001
 B 100359 .01 < .001
 B 100360 .05 .029
 B 100361 .02 .003

B 100362 .01 < .001
 B 100363 < .01 < .001
 B 100364 .02 < .001
 B 100365 .04 < .001
 B 100751 .01 < .001

B 100752 .02 .028
 RE B 100752 .02 .027
 RRE B 100752 .02 .031
 B 100753 < .01 < .001
 B 100754 .03 .014

B 100755 .02 .024
 B 100756 .01 .022
 B 100757 .01 < .001
 B 100758 .02 .007
 B 100759 < .01 < .001

B 100760 .02 .046
 STANDARD R-1/AU-1 2.93 .097

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 20 1997

DATE REPORT MAILED: Jan 24/97

SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0381 Page 1

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag**
oz/tAu**
oz/t

B 100366	<.01	<.001
B 100367	<.01	<.001
B 100368	<.01	<.001
B 100369	<.01	.009
B 100370	<.01	.026

B 100371	<.01	.004
B 100372	.30	.028
B 100373	.02	.021
B 100374	<.01	.020
B 100375	.03	.011

B 100376	.01	.017
RE B 100376	.01	.017
RRE B 100376	.02	.016
B 100377	.06	.036
B 100378	<.01	.008

B 100379	.03	.010
B 100380	.05	.037
B 100381	.02	.010
B 100382	<.01	.006
B 100383	.06	.096

B 100384	.01	.054
B 100385	.01	.171
B 100386	.28	1.120
B 100387	<.01	.007
B 100388	<.01	.004

RE B 100388	<.01	.004
RRE B 100388	<.01	.003
B 100389	<.01	.008
B 100390	.02	.142
B 100391	.01	.002

B 100392	.03	.156
B 100393	.88	.314
B 100394	.01	.013
B 100395	.04	.009
B 100396	.27	.374

B 100397	.25	.139
STANDARD R-1/AU-1	2.92	.094

97-33 B

RECEIVED
FEB 03 1997

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 23 1997 DATE REPORT MAILED: Jan 28/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Ag** oz/t	Au** oz/t	Au** oz/t
B 100398	.35	.178	-
B 100399	.01	.060	-
B 100400	.01	.065	-
B 100401	.01	.001	-
B 100402	.01	.219	-
B 100403	<.01	.004	-
B 100404	<.01	.022	-
B 100405	.01	.282	-
B 100406	<.01	.018	-
B 100407	<.01	.008	-
B 100408	.01	.003	-
B 100409	<.01	.009	-
B 100410	<.01	.005	.001
RE B 100410	<.01	<.001	.001
RRE B 100410	<.01	.013	.001
B 100761	.03	.035	-
B 100762	.01	.001	-
B 100763	.02	.008	-
B 100764	.01	.002	-
B 100765	.01	.005	-
B 100766	.01	<.001	-
B 100767	<.01	<.001	-
B 100768	<.01	.003	-
B 100769	<.01	<.001	-
B 100770	.03	.113	-
B 100771	.02	.002	-
B 100772	.07	.186	-
RE B 100772	.07	.172	-
RRE B 100772	.08	.171	-
B 100773	.12	.098	-
B 100774	.11	.234	-
B 100775	.09	.025	-
B 100776	.05	.002	-
B 100777	.12	.089	-
B 100778	.03	.002	-
B 100779	.03	.003	-
B 100780	.05	.002	-
STANDARD R-1/AU-1	2.90	.095	-

} av. .004

97-33B

97-34

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** oz/t	Au** oz/t
B 100781	<.01	.030
B 100782	.02	<.001
B 100783	.26	.200
B 100784	<.01	.029
B 100785	<.01	.001
B 100786	<.01	<.001
B 100787	.07	.002
B 100788	.33	.003
B 100789	.02	<.001
B 100790	.03	<.001
RE B 100790	.04	.001
RRE B 100790	.04	<.001
B 100791	.11	.301
B 100792	.04	.245
B 100793	.04	.159
B 100794	<.01	.031
B 100795	<.01	<.001
B 100796	.01	<.001
B 100797	<.01	<.001
STANDARD R-1/AU-1	2.92	.092

97-34

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0405 Page 1

402 - 750 W. Pender St., Vancouver BC V6C 2T7 Submitted by: Bill Mann

SAMPLE#

Ag** Au**
oz/t oz/t

B 100411	.03 .024
B 100412	.04 .003
B 100413	.06 < .001
B 100414	.01 .003
B 100415	.01 .002

B 100416	< .01 < .001
B 100417	.02 .047
B 100418	.02 .027
B 100419	.01 .012
B 100420	.03 .047

RE B 100420	.03 .052
RRE B 100420	.03 .048
B 100421	.05 .101
B 100422	< .01 .002
B 100423	< .01 .061

B 100424	.01 .018
B 100425	.01 .016
B 100426	< .01 < .001
B 100427	.07 .012
B 100428	.03 < .001

B 100429	.03 < .001
B 100430	.04 .003
RE B 100430	.02 .002
RRE B 100430	.03 .002
B 100431	.03 < .001

B 100432	.03 < .001
B 100433	.01 < .001
B 100434	.07 < .001
B 100435	.22 .003
B 100436	.04 < .001

B 100437	.02 < .001
B 100438	< .01 .024
B 100439	.01 .022
B 100440	.04 .162
B 100441	.07 .053

B 100442	.01 .001
STANDARD R-1/AU-1	2.96 .096

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Rerun Reruns.

DATE RECEIVED: JAN 27 1997 DATE REPORT MAILED: Jan 30/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Ag** oz/t	Au** oz/t
B 100443	.28	<.001
B 100444	.16	<.001
B 100445	.01	<.001
B 100446	1.11	.007
B 100447	.64	<.001
B 100448	.13	.043
B 100449	.07	.002
B 100450	.20	.014
B 100851	.53	.117
B 100852	.17	1.786
B 100853	.26	.816
B 100854	.06	.535
B 100855	.25	.242
B 100856	.02	.120
RE B 100856	<.01	.122
RRE B 100856	.02	.222
B 100857	.05	.211
B 100858	.07	.098
B 100859	.61	.425
B 100860	.03	.067
B 100861	.01	.002
B 100862	<.01	<.001
B 100863	.07	.215
STANDARD R-1/AU-1	2.92	.099

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

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AA
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ASSAY CERTIFICATE

AA
LL

Omy Resources PROJECT GODDELL File # 97-0522 Page 1

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#	Ag** oz/t	Au** oz/t
B 100798	<.01	.005
B 100799	.01	.001
B 100800	.02	.018
B 100801	<.01	.002
B 100802	<.01	.001
B 100803	<.01	<.001
B 100804	<.01	<.001
B 100805	<.01	<.001
B 100806	.01	<.001
B 100807	<.01	.006
B 100808	<.01	.004
RE B 100808	<.01	.004
RRE B 100808	<.01	.004
B 100809	<.01	<.001
B 100810	<.01	.008
B 100811	<.01	.030
B 100812	<.01	.003
B 100813	.18	.819
B 100814	.12	.567
B 100815	.05	.304
B 100816	.01	.020
B 100817	.03	.014
B 100818	.01	.116
B 100819	.01	.009
B 100820	.03	.047
RE B 100820	.03	.045
RRE B 100820	.02	.054
B 100821	.17	.307
B 100822	1.17	.853
B 100823	.19	.368
B 100824	.02	.157
B 100825	.20	.614
B 100826	<.01	.039
B 100827	<.01	.003
B 100828	<.01	.003
B 100829	.40	.031
STANDARD R-1/AU-1	2.92	.096

97-36

.03, .047 av.

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 3 1997 DATE REPORT MAILED: Feb 5/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date FA 1/1/



SAMPLE#	Ag** oz/t	Au** oz/t	Au** oz/t	
B 100830	.01	.016	-	
B 100831	.01	.067	-	
B 100832	.22	.343	-	
B 100833	<.01	.002	-	97-36
B 100834	.10	.373	-	
B 100835	<.01	.019	-	
B 100836	<.01	.045	-	
B 100837	.09	.003	-	
B 100838	.01	.009	-	
B 100839	.01	.019	-	97-38
B 100840	<.01	.005	-	
RE B 100840	.01	.005	-	
RRE B 100840	<.01	.004	-	
B 100841	<.01	.004	-	
B 100842	<.01	.002	-	
B 100843	<.01	.002	-	
B 100844	<.01	<.001	-	
B 100845	<.01	<.001	-	
B 100846	<.01	<.001	-	
B 100847	<.01	.003	-	
B 100848	<.01	.021	-	
B 100849	<.01	.029	-	
B 100850	<.01	.007	.002	
RE B 100850	<.01	.009	.001	<.01, .003 av.
RRE B 100850	<.01	<.001	.001	
B 100864	.01	<.001	-	
B 100865	.02	.001	-	97-37
B 100866	<.01	<.001	-	
B 100867	<.01	<.001	-	
B 100868	.01	.006	-	
B 100869	<.01	<.001	-	
B 100870	<.01	<.001	-	
B 100871	<.01	<.001	-	
B 100872	<.01	<.001	-	
B 100873	<.01	<.001	-	
B 100874	.04	<.001	-	
B 100875	.06	.007	-	
STANDARD R-1/AU-1	2.95	.097	-	

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

P.04/04
604 253 1716 TO 14036682300
EB 5'97 17:47 FR ACME LABS



Omni Resources PROJECT GODDELL FILE # 97-0522

Page 3



SAMPLE#	Ag** oz/t	Au** oz/t	
B 100876	.04	.198	97-37
B 100877	<.01	.005	
B 100878	.01	<.001	97-38
B 100879	<.01	<.001	
B 100880	<.01	<.001	
RE B 100880	<.01	<.001	

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD.

952 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 283-3158 FAX (604) 283-1716

ASSAY CERTIFICATE

Omi Resources PROJECT GODDELL File # 97-0586
 402 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag**
oz/tAu**
oz/t

B 100881
 B 100882
 B 100883
 B 100884
 B 100885

<.01 <.001
 .01 .010
 .02 .091
 .13 1.327
 .04 .726

B 100886
 B 100887
 B 100888
 B 100889
 B 100890

.12 .080
 .04 .026
 <.01 .002
 <.01 .001
 <.01 .011

RE B 100890
 RRE B 100890
 B 100891
 B 100892
 B 100893

.01 .011
 .01 .010
 .04 .286
 <.01 .002
 .01 .003

B 100894
 B 100895
 B 100896
 B 100897
 B 100898

.02 .012
 .17 .920
 <.01 .033
 <.01 .064
 .02 1.314

B 100899
 B 100900
 RE B 100900
 RRE B 100900
 B 100901

.02 .034
 .03 .679
 .04 .685
 .03 .694
 <.01 .002

.03 , .686

B 100902
 B 100903
 B 100904
 B 100905
 B 100906

<.01 .003
 <.01 .008
 .02 .361
 <.01 .135
 .01 .114

B 100907
 B 100908

<.01 .002
 .05 <.001

STANDARD R-1/AU-1

2.89 .096

AG** & AU** BY FIRE ASSAY FROM I.A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 6 1997

DATE REPORT MAILED:

Feb 11/97

SIGNED BY: C. Leong

J.D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0625 Page 1

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/t

97-37

B 100909
B 100910
B 100911
B 100912
B 100913.01<.001
.04 .129
.06 .208
.05 .066
<.01 .097

97-39

B 100914
B 100915
B 100916
B 100917
B 100918.03 .003
<.01<.001
.01 .002
.03 .007
<.01<.001B 100919
B 100920
RE B 100920
RRE B 100920
B 100921.03<.001
<.01<.001
<.01<.001
<.01<.001
.06 .110B 100922
B 100923
B 100924
B 100925
B 100926.03 .025
.08 .108
.01 .005
.01 .010
<.01 .004B 100927
B 100928
B 100929
B 100930
B 100931<.01 .008
.02 .022
.12 .042
.15 .541
.03 .015B 100932
RE B 100932
RRE B 100932
B 100933
B 100934<.01 .001
<.01<.001
.04<.001
.01<.001
<.01<.001B 100935
B 100936
B 100937
B 100938
B 100939<.01 .001
<.01 .002
<.01 .010
<.01 .001
.81 .814B 100940
STANDARD R-1/AU-1.01 .005
2.93 .098

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

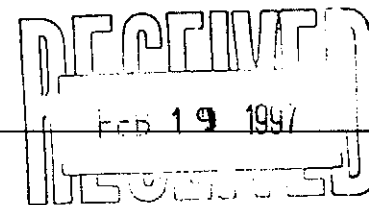
DATE RECEIVED: FEB 10 1997

DATE REPORT MAILED:

Feb 13/97

SIGNED BY: *C. Leong*

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS





SAMPLE#		Ag** oz/t	Au** oz/t
97-39	B 100941	.02	.003
	B 100942	.02	.060
	B 100943	1.62	.193
	B 100944	.15	.025
	B 100945	.01	.003
	B 100946	<.01	.005
	B 100947	.03	.192
	B 100948	.14	.354
	B 100949	<.01	.014
	B 195951	.12	.033
97-36	B 195952	.16	.133
	B 195953	.11	.006
	B 195954	.03	<.001
	B 195955	.02	.001
	RE B 195955	.01	<.001
	RRE B 195955	<.01	<.001
	B 195956	.04	.005
	B 195957	.02	.002
	B 195958	.01	.086
	B 195959	.03	<.001
STANDARD R-1/AU-1		2.96	.092

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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ASSAY CERTIFICATE



Omni Resources PROJECT GODDELL File # 97-0681

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#	Ag** oz/t	Au** oz/t
B 100950	<.01	.051
B 100951	<.01	<.001
B 100952	<.01	.016
B 100953	<.01	<.001
B 100954	<.01	<.001
B 100955	<.01	<.001
B 100956	<.01	.003
B 100957	<.01	.004
B 100958	<.01	.004
B 100959	<.01	.002
B 100960	.01	.032
RE B 100960	.01	.032
RRE B 100960	<.01	.032
B 100961	<.01	.019
B 100962	<.01	.004
B 100963	<.01	.007
B 100964	.01	.011
B 100965	<.01	.004
B 100966	.06	.026
B 100967	.16	.136
B 100968	.01	.173
B 100969	<.01	.004
B 100970	<.01	.005
B 100971	<.01	.013
B 100972	<.01	.005
RE B 100972	.02	.005
RRE B 100972	.01	.005
B 100973	<.01	.001
B 100974	.21	.477
B 100975	.02	.097
B 100976	.14	.136
B 100977	.10	.273
B 100978	.43	.220
B 100979	.01	.023
B 100980	.03	.042
B 100981	<.01	.003
STANDARD R-1/AU-1	2.97	.097

97-40

.148/2.03m

1.07m

.293

5.86m

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 14 1997 DATE REPORT MAILED: Feb 19/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

P.02/03

604 253 1716 TO 14036682300

FEB 24 '97 14:28 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

892 B. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3159 FAX (604) 253-1215

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ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0753 Page 1

402 - 750 W. Pender St., Vancouver BC V6C 2T7

AA

SAMPLE#

Ag** Au**
oz/t oz/t

B 100982	.01	<.001
B 100983	<.01	.003
B 100984	<.01	<.001
B 100985	.02	.021
B 100986	<.01	.002

B 100987	<.01	<.001
B 100988	.02	.030
B 100989	.03	.007
B 100990	.07	.030
B 100991	.03	.127

B 100992	.01	.018
RE B 100992	.02	.019
RRE B 100992	.01	.019
B 100993	<.01	.099
B 100994	.04	.140

B 100995	.04	.072
B 100996	<.01	.002
B 100997	.01	.006
B 100998	.05	.082
B 100999	.18	.023

B 101000	.14	.019
B 195001	.02	.002
B 195002	.04	.036
B 195003	<.01	.002
B 195004	<.01	.002

B 195005	.02	.026
B 195006	.13	.257
RE B 195006	.12	.257
RRE B 195006	.13	.273
B 195007	.13	.043

B 195008	.04	.035
B 195009	.02	.002
B 195010	.07	.250
B 195011	.05	.002
B 195012	.05	.003

B 195013	.18	.037
STANDARD R-1/AU-1	2.90	.096

97-41

.13, .262

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 19 1997 DATE REPORT MAILED: Feb 24/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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Data FA Yms

P.03/03
604 253 1716 TO 14036682300
EB 24'97 14:29 FR ACME LABS



Omni Resources PROJECT GODDELL FILE # 97-0753

Page 2



SAMPLE#	Ag** oz/t	Au** oz/t
B 195014	.10	.135
B 195015	.07	.034
B 195016	.08	.012
B 195017	.04	.003
B 195018	.04	.002
B 195019	.03	<.001
B 195020	<.01	.009
B 195021	.10	.960
B 195022	.02	.007
B 195023	.08	.479
RE B 195023	.08	.487
RRE B 195023	.10	.502
B 195024	.01	.254
B 195025	.06	.741
B 195026	.03	.154
B 195027	.22	1.553
B 195028	.30	1.739
B 195029	.13	1.126
B 195030	.02	.017
B 195031	.17	.391
B 195032	.01	.005
B 195033	.12	.167
RE B 195033	.14	.168
RRE B 195033	.14	.150
B 195034	.01	.039
B 195035	<.01	.015
B 195036	.01	.003
B 195037	.02	.040
B 195038	<.01	.001
STANDARD R-1/AU-1	2.91	.096

97-41

.09 , 489

.13 , 162

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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** TOTAL PAGE.003 **



ASSAY CERTIFICATE

Omni Resources PROJECT GODDWILL File # 97-0799

402 - 750 W. Pender St., Vancouver BC V6C 2T7



SAMPLE#	Ag** oz/t	Au** oz/t
B 195039	.13	.058
B 195040	<.01	<.001
B 195041	.11	.042
B 195042	.01	<.001
B 195043	.02	<.001
B 195044	<.01	.001
B 195045	.04	.042
B 195046	.01	.002
B 195047	<.01	.002
B 195048	.01	<.001
B 195049	.03	.004
B 195050	.06	.046
RE B 195050	.03	.047
RRE B 195050	.05	.045
B 195051	<.01	.004
B 195052	<.01	<.001
B 195053	<.01	<.001
B 195054	.01	<.001
B 195055	.04	.015
B 195056	<.01	<.001
B 195057	.01	<.001
STANDARD R-1/AU-1	2.89	.098

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 24 1997 DATE REPORT MAILED: March 3/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

* Changes on gold for sample B 195055.

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ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-0838
402 - 750 W. Pender St., Vancouver BC V6C 2T7

AA
11

SAMPLE#

Ag** Au**
oz/t oz/t

B 195058	.12	.090
B 195059	.06	.048
B 195060	.01	.014
B 195061	<.01	.005
B 195062	<.01	<.001
B 195063	<.01	.006
B 195064	.21	.208
B 195065	<.01	.001
B 195066	<.01	.001
B 195067	<.01	<.001
B 195068	<.01	<.001
RE B 195068	<.01	<.001
RRE B 195068	<.01	<.001
B 195069	<.01	.001
B 195070	.01	<.001
B 195071	.01	.003
B 195072	.02	.004
B 195073	.01	.076
B 195074	.03	.004
B 195075	.05	.010
B 195076	.07	.114
B 195077	.03	.003
B 195078	.02	.025
B 195079	.15	.227
B 195080	.18	.196
RE B 195080	.17	.16
RRE B 195080	.17	.224
B 195081	.17	.006
B 195082	.10	.143
B 195083	.22	.141
B 195084	.10	.015
B 195085	.09	.065
B 195086	.12	.003
B 195087	.03	.004
STANDARD R-1/AU-1	3.01	.095

97-43

.209

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 25 1997 DATE REPORT MAILED: Feb 28/97 SIGNED BY: C. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-1034 Page 1
 402 - 750 W. Pender St., Vancouver BC V6C 2T7 Submitted by: Bill Mann

SAMPLE#

Ag** Au**
oz/t oz/t

B 195088
 B 195089
 B 195090
 B 195091
 B 195092

.11 .013
 .03 .026
 .19 .205
 .05 .059
 .05 .055

97-44

B 195093
 B 195094
 B 195095
 B 195096
 B 195097

.03 .004
 .09 .045
 .02 .008
 .21 .218
 .01 .002

B 195098
 RE B 195098
 RRE B 195098
 B 195099
 B 195100

.01 .038
 .02 .035
 .03 .037
 .08 .020
 .04 .005

B 195101
 B 195102
 B 195103
 B 195104
 B 195105

.15 .040
 .09 .015
 .01 .006
 .01 .002
 .03 .005

B 195106
 B 195107
 B 195108
 RE B 195108
 RRE B 195108

.14 .067
 .12 .004
 .05 .019
 .05 .020
 .06 .019

B 195109
 B 195110
 B 195111
 B 195112
 B 195113

.02 .005
 .03 .005
 .04 .008
 .07 .011
 .04 .036

97-45

B 195114
 B 195115
 B 195116
 B 195117
 B 195118

.03 < .001
 .01 < .001
 .03 < .001
 .02 .009
 .02 .006

B 195119
 STANDARD R-1/AU-1

.02 .008
 2.99 .095

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 7 1997 DATE REPORT MAILED: March 12/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Ag** oz/t	Au** oz/t
B 195120	<.01	.003
B 195121	.01	.004
B 195122	<.01	.002
B 195123	<.01	.010
B 195124	<.01	<.001
B 195125	<.01	.030
B 195126	<.01	<.001
B 195127	.26	.025
B 195128	.21	.046
B 195129	.15	.029
RE B 195129	.16	.028
RRE B 195129	.13	.029
B 195130	.06	.069
B 195131	.01	<.001
B 195132	2.62	.030
B 195133	.04	.001
B 195134	.02	<.001
B 195135	.08	.142
B 195136	.03	.004
B 195137	.13	.030
B 195138	<.01	.006
B 195139	.01	.012
RE B 195139	.01	.013
RRE B 195139	.01	.013
B 195140	.01	.025
B 195141	.30	.121
B 195142	<.01	.024
STANDARD R-1/AU-1	3.35	.095

97-45

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-1111 Page 1
402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/t

B 195143	.01	.004
B 195144	.02	.002
B 195145	<.01	.010
B 195146	.01	<.001
B 195147	.03	.055
B 195148	.01	<.001
B 195149	.01	<.001
B 195150	.07	.007
B 195151	.01	.033
B 195152	.02	.002
B 195153	<.01	.004
B 195154	.01	.008
RE B 195154	.02	.007
RRE B 195154	.01	.007
B 195155	.03	.019
B 195156	.01	.016
B 195157	.02	.017
B 195158	.03	.022
B 195159	.02	.038
B 195160	.02	.023
B 195161	.11	.057
B 195162	.11	.015
B 195163	.04	.018
B 195164	.01	.011
B 195165	.03	.008
B 195166	<.01	.005
RE B 195166	.01	.005
RRE B 195166	.03	.005
B 195167	.02	.007
B 195168	<.01	.005
B 195169	.01	.001
B 195170	<.01	<.001
B 195171	.03	.010
B 195172	.01	.006
B 195173	<.01	.005
B 195174	.04	.025
STANDARD R-1/AU-1	2.92	.098

RECEIVED MAR 25 1997

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 11 1997 DATE REPORT MAILED: *Mar 19/97* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



SAMPLE#	Ag** oz/t	Au** oz/t
B 195175	<.01	<.001
B 195176	.03	.031
B 195177	.01	.014
B 195178	.05	.180
B 195179	.14	.704
B 195180	.11	.151
B 195181	.04	.010
B 195182	.06	.059
B 195183	.04	.117
B 195184	.03	.018
B 195185	.21	.005
B 195186	<.01	<.001
B 195187	.04	.018
B 195188	.02	<.001
RE B 195188	<.01	<.001
RRE B 195188	.01	<.001
B 195189	.04	.013
B 195190	.02	<.001
B 195191	.03	.010
B 195192	<.01	<.001
B 195193	.02	<.001
B 195194	<.01	<.001
B 195195	.02	.007
B 195196	<.01	<.001
B 195197	.01	.007
B 195198	.01	<.001
B 195199	.02	.004
B 195200	.04	.111
RE B 195200	.04	.113
RRE B 195200	.02	.112
B 195201	.04	.028
B 195202	.01	.011
B 195203	<.01	.009
B 195204	.02	.006
B 195205	.01	.002
B 195206	.02	.029
B 195207	.04	.032
STANDARD R-1/AU-1	2.85	.095

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Ag** oz/t	Au** oz/t
B 195208	.06	.050
B 195209	.01	<.001
B 195210	.03	.006
B 195211	.07	.055
B 195212	.15	1.499
B 195213	.01	.011
B 195214	.02	.004
B 195215	.10	.709
B 195216	<.01	.002
B 195217	<.01	.031
RE B 195217	<.01	.032
RRE B 195217	<.01	.031
B 195218	.01	.003
B 195219	.21	.090
B 195220	.04	<.001
B 195221	.08	.021
B 195222	.13	.001
B 195223	<.01	.012
B 195224	.01	.007
B 195225	.02	<.001
B 195226	.01	<.001
B 195227	<.01	<.001
RE B 195227	<.01	<.001
RRE B 195227	<.01	<.001
B 195228	.01	<.001
B 195229	.02	<.001
B 195230	.02	<.001
B 195231	<.01	<.001
B 195232	<.01	.002
B 195233	.01	<.001
B 195234	.01	<.001
STANDARD R-1/AU-1	2.99	.096

97-47



97-48

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-1158

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/t

B 195235	.04<.001
B 195236	.05<.001
B 195237	.05<.001
B 195238	.11 .432
B 195239	.06 .002
B 195240	.04 .001
B 195241	.06<.001
B 195242	.02 .006
B 195243	.04 .008
B 195244	.03 .005
B 195245	.03<.001
B 195246	.04 .024
B 195247	.03 .001
B 195248	.04 .004
RE B 195248	.05 .004
RRE B 195248	.04 .004
B 195249	.02 .017
B 195250	.03 .026
B 195251	.05 .018
B 195252	.05 .015
B 195253	.02 .005
B 195254	.04 .014
B 195255	.04<.001
B 195256	.08 .014
B 195257	.05 .013
B 195258	.10 .009
STANDARD R-1/AU-1	3.01 .099

RECEIVED MAR 25 1997

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 14 1997 DATE REPORT MAILED: *Mar 19/97* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-1273 Page 1
402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/tB 195259
B 195260
B 195261
B 195262
B 195263<.01<.001
.01<.001
<.01<.001
.01<.001
<.01<.001B 195264
B 195265
B 195266
B 195267
B 195268<.01<.001
.01<.001
<.01 .012
.01 .003
.03 .069B 195269
B 195270
RE B 195270
RRE B 195270
B 195271.01 .002
<.01<.001
<.01<.001
<.01<.001
.02 .080B 195272
B 195273
B 195274
B 195275
B 195276.05 .002
<.01 .005
<.01<.001
<.01<.001
<.01 .066B 195277
B 195278
B 195279
B 195280
B 195281.01 .046
.01 .004
.05 .032
<.01<.001
.03 .025B 195282
RE B 195282
RRE B 195282
B 195283
B 195284<.01<.001
<.01<.001
<.01<.001
.01 .010
.04<.001B 195285
B 195286
B 195287
B 195288
B 195289.01 .057
.01 .052
.06 .117
.05<.001
.01 .002B 195290
STANDARD R-1/AU-1<.01<.001
2.94 .095

97-49

97-50

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 20 1997 DATE REPORT MAILED:

SIGNED BY:

D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

P.02/03

604 253 1716 TO 14036682300

MAR 26'97 17:03 FR ACME LABS



SAMPLE#		Ag** oz/t	Au** oz/t	
B 195291		<.01	.006	
B 195292		.02	.024	
B 195293		.01	.006	
B 195294		.19	.023	
B 195295		.32	<.001	97-50
B 195296		.07	<.001	
B 195297		.05	.001	
B 195298		.03	<.001	
B 195299		.02	.006	
B 195300		.06	.046	
RE B 195300		.06	.047	.06, .062
RRE B 195300		.05	.092	
B 195301		.19	.050	
B 195302		.08	.168	
B 195303		.09	.136	
B 195304		.67	.245	
B 195305		.01	.001	
B 195306		.13	.502	
B 195307		.02	.002	
B 195308		.05	<.001	
B 195309		<.01	.006	
B 195310		.02	.030	.03, .034
RE B 195310		.03	.030	
RRE B 195310		.04	.042	
B 195311		<.01	.002	
B 195312		<.01	.002	
B 195313		<.01	<.001	
B 195314		.04	.185	
STANDARD R-1/AU-1		2.97	.099	

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER BC V6A 1R5

PHONE (604) 253-3158 FAX (604) 253-1716

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ASSAY CERTIFICATE

AA

Omni Resources PROJECT GODDELL File # 97-1423

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#	Ag** oz/t	Au** oz/t
B 195335	.03	.022
B 195336	<.01	.157
B 195337	.02	<.001
B 195338	.02	.287
B 195339	.02	.234
B 195340	.04	.151
B 195341	.02	.003
B 195342	.01	.002
B 195343	.03	.150
B 195344	<.01	.156
B 195345	.04	.089
B 195346	.03	.238
B 195347	.08	.487
B 195348	<.01	.005
RE B 195348	<.01	.003
RRE B 195348	.01	.006
B 195349	.06	.022
B 195350	<.01	.002
B 195351	.12	.230
B 195352	.02	.014
B 195353	.01	<.001
STANDARD R-1/AU-1	2.96	.093

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 31 1997 DATE REPORT MAILED: April 4/97 SIGNED BY: C. Leong, J. Wang, C. Toy, C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Date FA 3/1/97

P.02/03

604 253 1716 TO 14036682300

APR 4'97 16:31 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

852 R. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

AA

ASSAY CERTIFICATE

Omni Resources PROJECT GODDELL File # 97-1416
402 - 750 W. Pender St., Vancouver BC V6C 2T7

AA

SAMPLE#	Ag** oz/t	Au** oz/t
B 195315	<.01	.001
B 195316	.11	.022
B 195317	.01	.006
B 195318	.03	<.001
B 195319	.03	<.001
B 195320	<.01	<.001
B 195321	.04	.016
B 195322	.55	.200
B 195323	.12	.646
B 195324	.03	.003
B 195325	.01	.002
B 195326	.01	<.001
B 195327	<.01	<.001
B 195328	.04	.001
RE B 195328	.01	<.001
RRE B 195328	<.01	.001
B 195329	.08	.167
B 195330	.05	.003
B 195331	.01	.003
B 195332	.21	.286
B 195333	.03	.350
B 195334	<.01	.035
STANDARD R-1/AU-1	3.03	.094

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 27 1997 DATE REPORT MAILED: April 4/97 SIGNED BY: C. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA 1/11



ASSAY CERTIFICATE



Omni Resources PROJECT GODDELL File # 97-1424

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#	Ag** oz/t	Au** oz/t
B 195354	.01	<.001
B 195355	.01	<.001
B 195356	<.01	<.001
B 195357	<.01	<.001
B 195358	.06	<.001
B 195359	.18	.062
B 195360	.02	.016
B 195361	<.01	<.001
B 195362	.04	.115
B 195363	.01	.001
B 195364	.01	<.001
RE B 195364	.03	<.001
RRE B 195364	.03	<.001
B 195365	<.01	<.001
B 195366	<.01	<.001
B 195367	<.01	<.001
B 195368	<.01	<.001
B 195369	.05	.865
B 195370	.01	.006
B 195371	.01	.002
STANDARD R-1/AU-1	2.85	.096

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 31 1997

DATE REPORT MAILED:

SIGNED BY:

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

P.02/03

604 253 1716 TO 14036682300

APR 12'97 7:05 FR ACME LABS

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-1158 FAX (604) 253-1716

AA
↑↑

ASSAY CERTIFICATE

AA
↑↑Omani Resources PROJECT GODDELL File # 97-1562 Page 1
402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/t

B 195372	.04	<.001
B 195373	.03	<.001
B 195374	.02	.003
B 195375	.02	.001
B 195376	.06	<.001

B 195377	.03	.020
B 195378	.01	.005
B 195379	.05	.060
B 195380	.09	.085
B 195381	.03	.015

B 195382	.05	.009
RE B 195382	.09	.009
RRE B 195382	.06	.008
B 195383	.16	.021
B 195384	.24	.142

B 195385	.16	.036
B 195386	.04	.006
B 195387	.04	.004
B 195388	.32	.053
B 195389	.05	<.001

B 195390	.03	.098
B 195391	.03	.007
B 195392	.16	.018
B 195393	.12	.006
B 195394	.21	.004

RE B 195394	.18	.004
RRE B 195394	.25	.004
B 195395	.14	.100
B 195396	<.01	<.001
B 195397	.06	.116

B 195398	.06	.020
B 195399	<.01	.002
B 195400	.01	.002
B 195963	<.01	.004
B 195964	.02	.002

B 195965	<.01	.006
STANDARD AG-2/AU-1	2.95	.095

97-53

↑

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: APR 7 1997 DATE REPORT MAILED: April 11/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

AA
11

ASSAY CERTIFICATE

AA
11

Omni Resources PROJECT GODDELL File # 97-1723

402 - 750 W. Pender St., Vancouver BC V6C 2T7

SAMPLE#

Ag** Au**
oz/t oz/t

B 195401 <.01<.001
B 195402 <.01<.001
B 195403 .01<.001
B 195404 .06<.001
B 195405 .01 .008

B 195406 <.01<.001
B 195407 <.01<.001
B 195408 .01<.001
B 195409 <.01<.001
B 195410 .01 .043

RE B 195410 .01 .042
RRE B 195410 .01 .041
B 195411 .01<.001
B 195412 <.01 .002
B 195413 <.01<.001

B 195414 .01 .005
B 195415 .01 .006
B 195416 <.01 .008
B 195417 <.01<.001
B 195418 .03 .009

B 195419 .84 .204
B 195420 .11 .083
RE B 195420 .10 .082
RRE B 195420 .10 .082
B 195421 <.01 .001

B 195422 <.01 .003
STANDARD R-1/AU-1 2.95 .096

97-54

AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

- SAMPLE TYPE: CORE

Samples beginning 'RE' are Retuns and 'RRE' are Reject Retuns.

DATE RECEIVED: APR 15 1997 DATE REPORT MAILED: Apr 18/97 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

APPENDIX 3

INVOICE NUMBER	DATE	TOTAL
3506	Oct. 15	\$19,132.13
3514	Oct. 23	\$18,449.04
3527	Dec. 21	\$27,481.13
3534	Jan. 15	\$49,068.06
3536	Jan. 31	\$63,130.53
3537	Feb. 15	\$59,146.92
3542	Feb. 28	\$60,934.36
3545	Mar. 15	\$81,545.23
3547	Mar. 30	\$66,540.35
3552	Apr. 15	\$53,293.49
3553	Apr. 23	\$27,186.02
		\$525,907.26



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

October 15, 1996
Invoice #3506
Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
316 - 744 West Hastings Street,
Vancouver, B. C.
V6C 1A5

Drilling Charges October 8 to 15, 1996: (Wheaton River-Underground)

Hole: 96-28/-50/NQ

Moving

88 man hrs. @ \$35.00 per hr. = \$ 3,080.00

Testing

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hr. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby/Blasting & Water

41 man hrs. @ \$35.00 per hr. = \$ 1,435.00

20.5 machine hrs. @ \$21.00 per hr. = \$ 430.50 \$ 1,865.50

Coring

0 - 676 = 676 ft. @ \$19.00 per ft. = \$12,844.00 \$17,880.50

G.S.T. 10155 7122RT @ 7% \$ 1,251.63

Total Invoice \$19,132.13

code 2121

PAID NOV 21 1996
BM 0127
\$19132.13





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

October 23, 1996
 Invoice #3514
 Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
 316 - 744 West Hastings Street,
 Vancouver, B. C.
 V6C 1A5

Drilling Charges October 16 to 23, 1996: (Wheaton River-Underground)

Hole: 96-28/-50/NQ-BQMoving

36 man hrs. @ \$35.00 per hr. = \$ 1,260.00

Reducing

22 man hrs. @ \$35.00 per hr. = \$ 770.00

11 machine hrs. @ \$21.00 per hr. = \$ 231.00 \$ 1,001.00

Reaming Cave

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hr. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Testing

6 man hrs. @ \$35.00 per hr. = \$ 210.00

3 machine hr. @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Standby/Blasting & Water

50 man hrs. @ \$35.00 per hr. = \$ 1,750.00

25 machine hrs. @ \$21.00 per hr. = \$ 525.00 \$ 2,275.00

Coring

676 - 1014 = 338 ft. @ \$19.00 per ft. = \$ 6,422.00

1014 - 1269 = 255 ft. @ \$18.00 per ft. = \$ 4,590.00 \$11,012.00 \$15,912.00

Items Consumed & Chargeable

1 pail Rod Grease @ \$92.00 each = \$ 92.00

1 pail Linseed Soap @ \$92.00 each = \$ 92.00

2 pails Extreme #1 @ \$192.00 each = \$ 384.00

1 pail Lub Tub @ \$160.00 each = \$ 160.00 \$ 728.00

1 NQ rod @ \$160.40 @ 50% = \$ 80.20

1 BQ rod @ \$126.60 @ 50% = \$ 63.30

1 NW casing shoe @ \$398.40 each = \$ 398.40

1 3' NW casing @ \$60.20 each = \$ 60.20 \$ 602.10

Sub Total \$17,242.10

G.S.T. 10155 7122RT @ 7% \$ 1,206.94

Total Invoice \$18,449.04

PAID NOV 01 1996

BM 0108

1700

2122





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

December 21, 1996

Invoice #3527

Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
316 - 744 West Hastings Street,
Vancouver, B. C.
V6C 1A5

Drilling Charges December 14 to 21, 1996: (Wheaton River-Underground)

Hole: 96-29/-50/NMoving

55.5 man hrs. @ \$35.00 per hr. = \$ 1,942.50

Testing2 man hrs. @ \$35.00 per hr. = \$ 70.00
1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00Standby

22 man hrs. @ \$35.00 per hr. = \$ 770.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-514 = 511 ft. @ \$19.00 per ft. = \$ 9,709.00 \$12,572.50

Hole: 96-30/-59/NMoving

21 man hrs @ \$35.00 per hr. = \$ 735.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-580 = 577 ft. @ \$ 19.00 per ft. = \$10,963.00 \$11,758.00

Items Consumed & Chargeable

1 pail Linseed Soap @ \$92.00 each	= \$ 92.00	
1 pail Extreme #1 @ \$192.00 each	= \$ 192.00	
1 pail Rod Grease @ \$92.00 each	= \$ 92.00	
2- 3' Casing @ \$90.00 each	= \$ 180.00	
1 casing shoe 2T4571 @ \$398.40 each	= \$ 398.40	
1 casing shoe 2T4572 @ \$398.40 each	= \$ 398.40	\$ 1,352.80

Sub Total

\$25,683.30

G.S.T. 10155 7122RT @ 7%

\$ 1,797.83

Total Invoice

\$27,481.13

BM 178 Jan 27/97





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

January 15, 1997
Invoice #3534
Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
316 - 744 West Hastings Street,
Vancouver, B. C.
V6C 1A5

Drilling Charges January 4 to 15, 1997: (Wheaton River-Underground)

Hole: 96-31/-32/NQMoving

20 man hrs. @ \$35.00 per hr. = \$ 700.00

Waterline

6 man hrs. @ \$35.00 per hr. = \$ 210.00

Testing

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hr. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

14 man hrs. @ \$35.00 per hr. = \$ 490.00

Coring

0-449 = 449 ft. @ \$19.00 per ft. = \$ 8,531.00 \$10,022.00

Hole: 96-32/-50/NQMoving

8 man hrs @ \$35.00 per hr. = \$ 280.00

Testing

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

2 man hrs @ \$35.00 per hr. = \$ 70.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-709 = 706 ft. @ \$ 19.00 per ft. = \$13,414.00 \$13,915.00

#192



Hole: 96-33B/-56/NOMoving

2 man hrs @ \$35.00 per hr. = \$ 70.00

Casing Ream

4 man hrs @ \$35.00 per hr. = \$140.00

2 machine hr @ \$21.00 per hr. = \$ 42.00 \$ 182.00

Testing

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Coring

0-664 = 664 ft. @ \$ 19.00 per ft. = \$12,616.00 \$12,959.00

Hole: 96-34/-61/NOMoving

10 man hrs @ \$35.00 per hr. = \$ 350.00

Casing

0-4 = 4 ft. @ \$ 20.00 per ft. = \$ 80.00

Coring

4-354 = 350 ft. @ \$ 19.00 per ft. = \$ 6,650.00 \$ 7,080.00

Mobilization Cat

D-7 Mobilization \$ 250.00

D-7 Cat

6 machine hrs @ \$ 130.00 per hr. = \$ 780.00

Items Consumed & Chargeable

2 pail Linseed Soap @ \$92.00 each = \$ 184.00

3 pail Extreme #1 @ \$192.00 each = \$ 576.00

1 pail Rod Grease @ \$92.00 each = \$ 92.00 \$ 852.00

Sub Total \$45,858.00

G.S.T. 10155 7122RT @ 7% \$ 3,210.06

Total Invoice \$49,068.06





E. CARON DIAMOND DRILLING LTD

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

P 102

January 31, 1997

Invoice #3536

Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
316 - 744 West Hastings Street,
Vancouver, B. C.
V6C 1A5

Drilling Charges January 16 to 31, 1997:(Wheaton River-Underground)

Hole: 96-34/-61/NOReaming Cave

2 man hrs	@ \$35.00 per hr.	= \$ 70.00	
1 machine hr	@ 21.00 per hr.	= <u>\$ 21.00</u>	\$ 91.00

Waterline

10 man hrs.	@ \$35.00 per hr.	=	\$ 350.00

Coring

354-734 = 380 ft.	@ \$19.00 per ft.	=	\$ <u>7,220.00</u>	\$ 7,661.00

Hole: 96-35/-50/NOMoving

3 man hrs	@ \$35.00 per hr.	=	\$ 105.00

Waterline

4 man hrs	@ \$35.00 per hr.	=	\$ 140.00

Testing

4 man hrs	@ \$35.00 per hr.	= \$140.00	
2 machine hr	@ \$21.00 per hr.	= <u>\$ 42.00</u>	\$ 182.00

Casing

0-4 = 4 ft.	@ \$ 20.00 per ft.	=	\$ 80.00

Coring

4-609 = 605 ft.	@ \$ 19.00 per ft.	=	\$ <u>11,495.00</u>	\$12,002.00

Hole: 96-36/-68/NOWaterline

16 man hrs	@ \$35.00 per hr.	=	\$ 560.00

Testing

4 man hrs	@ \$35.00 per hr.	= \$140.00	
2 machine hr	@ \$21.00 per hr.	= <u>\$ 42.00</u>	\$ 182.00

Casing

0-4 = 4 ft.	@ \$20.00 per ft.	=	\$ 80.00

Coring

4-819 = 815 ft.	@ \$ 19.00 per ft.	=	\$ <u>15,485.00</u>	\$16,307.00

PAID FEB 12 1997

\$63,130.53

BMO199



Hole: 96-37/-42/NQ

Moving

14 man hrs @ \$35.00 per hr. = \$ 490.00

Testing

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-499 = 496 ft. @ \$ 19.00 per ft. = \$ 9,424.00 \$ 10,065.00

Hole: 96-38/-58/NQ

Moving

2 man hrs @ \$35.00 per hr. = \$ 70.00

Reaming Cave

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hrs @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Waterline

17 man hrs @ \$35.00 per hr. = \$ 595.00

Conditioning Hole

5 man hrs @ \$35.00 per hr. = \$175.00

2 1/2 machine hrs @ \$21.00 per hr. = \$ 52.50 \$ 227.50

Testing

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

16 man hrs @ \$35.00 per hr. = \$ 560.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-464 = 461 ft. @ \$ 19.00 per ft. = \$ 8,759.00 \$10,635.50

D-7 Tractor January 22/97

3 machine hrs @ \$ 130.00 per hr. = \$ 390.00

D-7 Tractor hours Jan 21-Feb 1/97

10 machine hours @ \$100.00 per hr. = \$ 1,000.00

Items Consumed & Chargeable

1 pail Linseed Soap @ \$92.00 each = \$ 92.00

3 pail Extreme #1 @ \$252.00 each = \$ 756.00

1 pail Rod Grease @ \$92.00 each = \$ 92.00 \$ 940.00

Sub Total \$59,000.50

G.S.T. 10155 7122RT @ 7% \$ 4,130.03

Total Invoice \$63,130.53





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

p1

February 15, 1997

Invoice #3537

Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
316 - 744 West Hastings Street,
Vancouver, B. C.
V6C 1A5

Drilling Charges February 1 to 15, 1997:(Wheaton River-Underground)

Hole: 97-38/-58/NQWaterline

3 man hrs. @ \$35.00 per hr. = \$ 105.00

Conditioning Hole

4 man hrs. @ \$35.00 per hr. = \$140.00

2 machine hrs. @ \$21.00 per hr. = \$ 42.00 \$ 182.00

Testing

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hrs. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

3 man hrs. @ \$35.00 per hr. = \$ 105.00

Coring

464-686 = 222 ft. @ \$19.00 per ft. = \$ 4,218.00 \$ 4,701.00

Hole: 97-39/-73/NQMoving

5 man hrs @ \$35.00 per hr. = \$ 175.00

Reaming Cave

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hrs. @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Conditioning Hole

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hrs. @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Testing

8 man hrs @ \$35.00 per hr. = \$280.00

4 machine hr @ \$21.00 per hr. = \$ 84.00 \$ 364.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-859 = 856 ft. @ \$ 19.00 per ft. = \$16,264.00 \$17,409.00

Paid Bm 0211

Mar 5/97

\$59146.72



Hole: 97-40/-70/NQ

Moving

10 man hrs @ \$35.00 per hr. = \$ 350.00

Waterline

10 man hrs. @ \$35.00 per hr. = \$ 350.00

Conditioning Hole

10 man hrs. @ \$35.00 per hr. = \$350.00

5 machine hrs. @ \$21.00 per hr. = \$105.00 \$ 455.00

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-799 = 796 ft. @ \$ 19.00 per ft. = \$15,124.00 \$16,612.00

Hole: 97-41/-50/NQ

Moving

18 man hrs @ \$35.00 per hr. = \$ 630.00

Conditioning Hole

3 man hrs. @ \$35.00 per hr. = \$105.00

1 1/2 machine hrs @ \$21.00 per hr. = \$ 31.50 \$ 136.50

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-673 = 670 ft. @ \$ 19.00 per ft. = \$12,730.00 \$ 13,829.50

Hole: 97-42/-50/NQ

Moving

28 man hrs @ \$35.00 per hr. = \$ 980.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-57 = 54 ft. @ \$ 19.00 per ft. = \$ 1,026.00 \$ 2,066.00

Items Consumed & Chargeable

2 pail Extreme 550 @ \$192.00 each = \$ 384.00

3 pail Rod Grease @ \$92.00 each = \$ 276.00 \$ 660.00

Sub Total

\$55,277.50

G.S.T. 10155 7122RT @ 7%

\$ 3,869.42

Total Invoice

\$59,146.92





P-1

E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

February 28, 1997
Invoice #3542
Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
402 - 750 West Pender Street,
Vancouver, B. C.
V6C 2T7

Drilling Charges February 16 to 28, 1997: (Wheaton River-Underground)

Hole: 97-42/-50/N

Waterline

3 man hrs. @ \$35.00 per hr. = \$ 105.00

Testing

4 man hrs. @ \$35.00 per hr. = \$140.00

2 machine hrs. @ \$21.00 per hr. = \$ 42.00 \$ 182.00

Coring

57-498 = 441 ft. @ \$19.00 per ft. = \$ 8,379.00 \$ 8,666.00

Hole: 97-43/-66/N

Moving

6 man hrs @ \$35.00 per hr. = \$ 210.00

Conditioning Hole

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hrs. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Standby

13 man hrs. @ \$35.00 per hr. = \$ 455.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-643 = 640 ft. @ \$ 19.00 per ft. = \$12,160.00 \$13,249.00



Hole: 97-44/-73/N

Moving

7 man hrs @ \$35.00 per hr. = \$ 245.00

Waterline

3 man hrs. @ \$35.00 per hr. = \$ 105.00

Conditioning Hole

1 man hrs. @ \$35.00 per hr. = \$ 35.00

1/2 machine hrs. @ \$21.00 per hr. = \$ 10.50 \$ 45.50

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-828 = 825 ft. @ \$ 19.00 per ft. = \$15,675.00 \$16,403.50

Hole: 97-45/-77/N

Moving

6 man hrs @ \$35.00 per hr. = \$ 210.00

Conditioning Hole

1 man hrs. @ \$35.00 per hr. = \$ 35.00

1/2 machine hrs @ \$21.00 per hr. = \$ 10.50 \$ 45.50

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-938 = 935 ft. @ \$ 19.00 per ft. = \$17,765.00 \$ 18,353.50

Items Consumed & Chargeable

3 pail Rod Grease @ \$92.00 each = \$ 276.00

Sub Total \$ 56,948.00

G.S.T. 10155 7122RT @ 7% \$ 3,986.36

Total Invoice \$ 60,934.36





P-1

March 15, 1997
Invoice #3545
Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
402 - 750 West Pender Street,
Vancouver, B. C.
V6C 2T7

Drilling Charges March 1 to 15, 1997: (Wheaton River-Underground)

Hole: 97-45/-77/NTesting

3 man hrs. @ \$35.00 per hr. = \$105.00
1 1/2 machine hrs. @ \$21.00 per hr. = \$ 31.50 \$ 136.50

Coring

938-1088 = 150 ft. @ \$19.00 per ft. = \$ 2,850.00 \$ 2,986.50

Hole: 97-46/-60/NMoving

21 man hrs @ \$35.00 per hr. = \$ 735.00

Testing

4 man hrs @ \$35.00 per hr. = \$140.00
2 machine hr @ \$21.00 per hr. = \$ 42.00 \$ 182.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-533 = 530 ft. @ \$ 19.00 per ft. = \$10,070.00 \$11,047.00

Hole: 97-47/-67/NMoving

8 man hrs @ \$35.00 per hr. = \$ 280.00

Testing

4 man hrs @ \$35.00 per hr. = \$140.00
2 machine hr @ \$21.00 per hr. = \$ 42.00 \$ 182.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-653 = 650 ft. @ \$ 19.00 per ft. = \$12,350.00 \$12,872.00

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CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

D-2

Hole: 97-48/-78/NMoving

4 man hrs @ \$35.00 per hr. = \$ 140.00

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-904 = 901 ft. @ \$ 19.00 per ft. = \$17,119.00 \$ 17,592.00

Hole: 97-49/-60/NMoving

10 man hrs @ \$35.00 per hr. = \$ 350.00

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-694 = 691 ft. @ \$ 19.00 per ft. = \$13,129.00 \$ 13,812.00

Hole: 97-50/-70/NMoving

2 man hrs @ \$35.00 per hr. = \$ 70.00

Testing

6 man hrs @ \$35.00 per hr. = \$210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-889 = 886 ft. @ \$ 19.00 per ft. = \$16,834.00 \$ 17,237.00

Items Consumed & Chargeable

2 pails Linseed Soap @ \$92.00 each = \$184.00

3 pails Alkamer @ \$160.00 each = \$480.00 \$ 664.00

Sub Total

\$ 76,210.50

G.S.T. 10155 7122RT @ 7%

\$ 5,334.73

Total Invoice

\$ 81,545.23





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

D-1

March 30, 1997
 Invoice #3547
 Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
 402 - 750 West Pender Street,
 Vancouver, B. C.
 V6C 2T7

Drilling Charges March 16 to 30, 1997: (Wheaton River-Underground)

Hole: 97-51/-51/NMoving

12 man hrs @ \$35.00 per hr. = \$ 420.00

Testing

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hrs. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

21 man hrs @ \$35.00 per hr. = \$ 735.00

11 1/2 machine hrs @ \$21.00 per hr. = \$ 241.50 \$ 976.50

Casing

0-3=3ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-118 = 115 ft. @ \$19.00 per ft. = \$ 2,185.00 \$ 3,732.50

Hole: 97-51B/-57/NMoving

6 man hrs @ \$35.00 per hr. = \$ 210.00

Reaming Cavo

7 1/2 man hrs. @ \$35.00 per hr. = \$ 262.50

3 3/4 machine hrs @ \$21.00 per hr. = \$ 78.75 \$ 341.25

Testing

8 man hrs @ \$35.00 per hr. = \$ 280.00

4 machine hr @ \$21.00 per hr. = \$ 84.00 \$ 364.00

Standby

5 man hrs. @ \$35.00 per hr. = \$ 175.00

2 1/2 machine hrs. @ \$21.00 per hr. = \$ 52.50 \$ 227.50

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-828 = 825 ft. @ \$ 19.00 per ft. = \$15,675.00 \$16,877.75

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 Apr 11/97
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Hole: 97-52/-60/N

Moving

31 man hrs @ \$35.00 per hr. = \$ 1,085.00

Casing Reaming

2 man hrs. @ \$35.00 per hr. = \$ 70.00

1 machine hrs. @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Reaming Cave

8 man hrs. @ \$35.00 per hr. = \$ 280.00

4 machine hrs. @ \$21.00 per hr. = \$ 84.00 \$ 364.00

Waterline

4 man hrs @ \$35.00 per hr. = \$ 140.00

Testing

6 man hrs @ \$35.00 per hr. = \$ 210.00

3 machine hr @ \$21.00 per hr. = \$ 63.00 \$ 273.00

Standby

10 man hrs @ \$35.00 per hr. = \$ 350.00

5 machine hrs. @ \$21.00 per hr. = \$ 105.00 \$ 455.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-1,069 = 1,066 ft. @ \$ 19.00 per ft. = \$20,254.00 \$ 22,722.00

Hole: 97-53/-75/N

Moving

5 man hrs @ \$35.00 per hr. = \$ 175.00

Testing

8 man hrs @ \$35.00 per hr. = \$ 280.00

4 machine hr @ \$21.00 per hr. = \$ 84.00 \$ 364.00

Casing

0-3 = 3 ft. @ \$ 20.00 per ft. = \$ 60.00

Coring

3-854 = 851 ft. @ \$ 19.00 per ft. = \$16,169.00 \$ 16,768.00

Excavator

March 19

2 man hrs. @ \$35.00 per hr. = \$ 70.00

6 machine hrs. @ \$130.00 per hr. = \$ 780.00 \$ 850.00

March 20

3 man hrs. @ \$35.00 per hr. = \$ 105.00

8 machine hrs. @ \$130.00 per hr. = \$1,040.00 \$1,145.00 \$ 1,995.00

Items Consumed & Chargeable

1 pail Linseed Soap @ \$92.00 each = \$ 92.00

Sub Total \$ 62,187.25

G.S.T. 10155 7122RT @ 7% \$ 4,353.10

Total Invoice \$ 66,540.35





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

P-1

April 15, 1997
 Invoice #3552
 Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
 402 - 750 West Pender Street,
 Vancouver, B. C.
 V6C 2T7

Drilling Charges April 1 to 15, 1997: (Wheaton River-Underground)

Hole: 97-53/-75/NMoving

12 man hrs @ \$35.00 per hr. = \$ 420.00

Reaming Cave

5 man hrs. @ \$35.00 per hr. = \$ 175.00

2 1/2 machine hrs @ \$21.00 per hr. = \$ 52.50 \$ 227.50

Conditioning Hole

1 man hr. @ \$35.00 per hr. = \$ 35.00

1/2 machine hr. @ \$21.00 per hr. = \$ 10.50 \$ 45.50

Testing

2 man hrs @ \$35.00 per hr. = \$ 70.00

1 machine hr @ \$21.00 per hr. = \$ 21.00 \$ 91.00

Standby

52 man hrs. @ \$35.00 per hr. = \$ 1,820.00

Coring

854-944 = 90 ft. @ \$ 19.00 per ft. = \$ 1,710.00 \$ 4,314.00

Hole: 97-54/-71/NMoving

4 man hrs @ \$35.00 per hr. = \$ 140.00

Testing

10 man hrs. @ \$35.00 per hr. = \$ 350.00

5 machine hrs. @ \$21.00 per hr. = \$ 105.00 \$ 455.00

Standby

5 man hrs @ \$35.00 per hr. = \$ 175.00

Casing

0-3=3ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-1050 = 1,047 ft. @ \$19.00 per ft. = \$19,893.00 \$ 20,723.00

pol Apr 30/97
 REL.
 BGE-M.
 026





P-2

E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

Hole: 97-551-76/N

Moving

22 man hrs @ \$35.00 per hr. = \$ 770.00

Testing

10 man hrs. @ \$35.00 per hr. = \$ 350.00

5 machine hrs. @ \$21.00 per hr. = \$ 105.00 \$ 455.00

Casing

0-3 = 3 ft. @ \$20.00 per ft. = \$ 60.00

Coring

3-1,214 = 1,211 ft. @ \$ 19.00 per ft. = \$23,009.00 \$ 24,294.00

Items Consumed & Chargeable

1 pail Linseed Soap @ \$92.00 each = \$ 92.00

2 pail #1 Extreme @ \$192.00 each = \$ 384.00 \$ 476.00

Sub Total \$ 49,807.00

G.S.T. 10155 7122RT @ 7% \$ 3,486.49

Total Invoice \$ 53,293.49

*Pl. April 30/97
By M Cheque #0261*





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 FAX (403) 668-4520

April 23, 1997
Invoice #3553
Drill #Superdrill

IN ACCOUNT WITH

Omni Resources Inc.
402 - 750 West Pender Street,
Vancouver, B. C.
V6C 2T7

Drilling Charges April 16 to 23, 1997: (Wheaton River-Underground)

Hole: 97-56/-55/N

Moving & Demobilization

64 man hrs @ \$35.00 per hr. = \$ 2,240.00

Waterline

11 1/2 man hrs. @ \$35.00 per hr. = \$ 402.50

Testing

8 man hrs @ \$35.00 per hr. = \$ 280.00

4 machine hr @ \$21.00 per hr. = ~~\$ 84.00~~ \$ 364.00

Coring

0-1,179 = 1,179 ft. @ \$ 19.00 per ft. = \$ 22,401.00 \$ 25,407.50

Sub Total \$ 25,407.50

G.S.T. 10155 7122RT @ 7% \$ 1,778.52

Total Invoice \$ 27,186.02

*Pd. April 30/97
By M Cheque # 0261*



APPENDIX 4

	CLAIM		GRANT #	EXPIRY		REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
	NAME	No.		DATE	YEAR				
1	KER	1	YA 92967	9/22	1998	National Trust Co.	105D/3	4	2002
2	KER	2	YA 92968	9/22	1998	National Trust Co.	105D/3	4	2002
3	KER	3	YA 92969	9/22	1998	National Trust Co.	105D/3	4	2002
4	KER	4	YA 92970	9/22	1998	National Trust Co.	105D/3	4	2002
5	KER	5	YA 92971	9/22	1998	National Trust Co.	105D/3	4	2002
6	KER	6	YA 92972	9/22	1998	National Trust Co.	105D/3	4	2002
7	KER	7	YA 92973	9/22	1998	National Trust Co.	105D/3	4	2002
8	KER	8	YA 92974	9/22	1998	National Trust Co.	105D/3	4	2002
9	KER	9	YA 92975	9/22	1998	National Trust Co.	105D/3	4	2002
10	KER	10	YA 92976	9/22	1998	National Trust Co.	105D/3	4	2002
11	KER	11	YA 92977	9/22	1998	National Trust Co.	105D/3	4	2002
12	KER	12	YA 92978	9/22	1998	National Trust Co.	105D/3	4	2002
13	KER	13	YA 92979	9/22	1998	National Trust Co.	105D/3	4	2002
14	KER	14	YA 92980	9/22	1998	National Trust Co.	105D/3	4	2002
15	KER	15	YA 92981	9/22	1998	National Trust Co.	105D/3	4	2002
16	KER	16	YA 92982	9/22	1998	National Trust Co.	105D/3	4	2002
17	KER	17	YA 92983	9/22	1998	National Trust Co.	105D/3	4	2002
18	KER	18	YA 92984	9/22	1998	National Trust Co.	105D/3	4	2002
19	KER	19	YA 92985	9/22	1998	National Trust Co.	105D/3	4	2002
20	KER	20	YA 92986	9/22	1998	National Trust Co.	105D/3	4	2002
21	KER	21	YA 92987	9/22	1998	National Trust Co.	105D/3	4	2002
22	KER	22	YA 92988	9/22	1998	National Trust Co.	105D/3	4	2002
23	KER	23	YA 92989	9/22	1998	National Trust Co.	105D/3	4	2002
24	KER	24	YA 92990	9/22	1998	National Trust Co.	105D/3	4	2002
25	KER	25	YA 92991	9/22	1998	National Trust Co.	105D/3	4	2002
26	KER	26	YA 92992	9/22	1998	National Trust Co.	105D/3	4	2002
27	KER	27	YA 92993	9/22	1998	National Trust Co.	105D/3	4	2002
28	KER	28	YA 92994	9/22	1998	National Trust Co.	105D/3	4	2002
29	KER	29	YA 92995	9/22	1998	National Trust Co.	105D/3	4	2002
30	KER	30	YA 92996	9/22	1998	National Trust Co.	105D/3	4	2002
31	KER	31	YA 92997	9/22	1998	National Trust Co.	105D/3	4	2002
32	KER	32	YA 92998	9/22	1998	National Trust Co.	105D/3	4	2002
33	KER	33	YA 92999	9/22	1998	National Trust Co.	105D/3	4	2002
34	POP	1	Y 75415	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
35	POP	2	Y 75416	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
36	POP	3	Y 75417	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
37	POP	4	Y 75418	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
38	POP	5	Y 75419	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
39	POP	6	Y 75420	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
40	POP	7	Y 75421	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
41	POP	8	Y 75422	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
42	POP	9	Y 75423	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
43	POP	10	Y 75424	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
44	POP	11	Y 75425	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
45	POP	12	Y 75426	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
46	POP	13	Y 75427	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
47	POP	14	Y 75428	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
48	POP	15	YA 81468	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
49	POP	16	YA 81469	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
50	POP	17	YA 81470	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
51	POP	18	YA 81471	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
52	POP	19	YA 81472	12/1	2001	Arkona Res. Inc.	105D/3	1	2002
53	POP	20	YA 81473	12/1	1998	Arkona Res. Inc.	105D/3	4	2002

	CLAIM		GRANT #	EXPIRY		REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
	NAME	No.		DATE	YEAR				
54	POP	21	YA 81474	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
55	POP	22	YA 81475	12/1	2001	Arkona Res. Inc.	105D/3	3	2004
56	POP	23	YA 81476	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
57	POP	24	YA 81477	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
58	POP	25	YA 81478	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
59	POP	26	YA 81479	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
60	POP	27	YA 81480	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
61	POP	28	YA 81481	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
62	POP	29	YA 81482	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
63	POP	30	YA 81483	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
64	POP	31	YA 81484	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
65	POP	32	YA 81485	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
66	POP	33	YA 81486	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
67	POP	34	YA 81487	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
68	POP	35	YA 81488	12/1	2001	Arkona Res. Inc.	105D/3	3	2004
69	POP	36	YA 81489	12/1	2001	Arkona Res. Inc.	105D/3	3	2004
70	POP	37	YA 81490	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
71	POP	38	YA 81491	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
72	POP	39	YA 81492	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
73	POP	40	YA 81493	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
74	POP	41	YA 81494	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
75	POP	42	YA 81495	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
76	POP	43	YA 81496	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
77	POP	44	YA 81497	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
78	POP	45	YA 81498	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
79	POP	46	YA 81499	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
80	POP	47	YA 81500	12/1	2002	Arkona Res. Inc.	105D/3	0	2002
81	POP	48	YA 81501	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
82	POP	49	YA 81502	12/1	2002	Arkona Res. Inc.	105D/3	0	2002
83	POP	50	YA 81503	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
84	POP	51	YA 81504	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
85	POP	52	YA 81505	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
86	POP	53	YA 81506	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
87	POP	54	YA 81507	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
88	POP	55	YA 81508	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
89	POP	56	YA 81509	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
90	POP	57	YA 81510	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
91	POP	58	YA 81511	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
92	POP	59	YA 81512	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
93	POP	60	YA 81513	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
94	POP	61	YA 81514	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
95	POP	62	YA 81515	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
96	POP	63	YA 81516	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
97	POP	64	YA 81517	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
98	POP	65	YA 81518	12/1	2002	Arkona Res. Inc.	105D/3	4	2006
99	POP	66	YA 81519	12/1	2002	Arkona Res. Inc.	105D/3	4	2006
100	POP	67	YA 81520	12/1	2002	Arkona Res. Inc.	105D/3	4	2006
101	POP	68	YA 81521	12/1	2002	Arkona Res. Inc.	105D/3	4	2006
102	POP	69	YA 81522	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
103	POP	70	YA 81523	12/1	2002	Arkona Res. Inc.	105D/3	2	2004
104	POP	71	YA 86194	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
105	POP	72	YA 86195	12/1	1998	Arkona Res. Inc.	105D/3	4	2002
106	POP	73	YA 86196	12/1	2001	Arkona Res. Inc.	105D/3	3	2004

	CLAIM NAME	No.	GRANT #	EXPIRY DATE YEAR	REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
107	POP	74	YA 86197	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
108	POP	75	YA 86198	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
109	POP	76	YA 86199	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
110	POP	77	YA 86200	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
111	POP	78	YA 86201	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
112	POP	79	YA 86202	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
113	POP	80	YA 86203	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
114	POP	81	YA 86204	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
115	POP	82	YA 86205	12/1 2001	Arkona Res. Inc.	105D/3	4	2005
116	POP	83	YA 86206	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
117	POP	84	YA 86207	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
118	POP	85	YA 86208	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
119	POP	86	YA 86209	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
120	POP	87	YA 86210	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
121	POP	88	YA 86211	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
122	POP	89	YA 86212	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
123	POP	90	YA 86213	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
124	POP	91	YA 86214	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
125	POP	92	YA 86215	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
126	POP	93	YA 86216	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
127	POP	94	YA 86217	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
128	POP	95	YA 86218	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
129	POP	96	YA 86219	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
130	POP	97	YA 86220	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
131	POP	98	YA 86221	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
132	POP	99	YA 86222	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
133	POP	100	YA 86223	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
134	POP	101	YA 86224	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
135	POP	102	YA 86225	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
136	POP	103	YA 86226	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
137	POP	104	YA 86227	12/1 2001	Arkona Res. Inc.	105D/3	3	2004
138	POP	101	YA 93378	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
139	POP	102	YA 93379	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
140	POP	103	YA 93382	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
141	POP	104	YA 93383	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
142	POP	105	YA 93384	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
143	POP	106	YA 93385	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
144	POP	107	YA 93386	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
145	POP	108	YA 93387	12/1 1997	Arkona Res. Inc.	105D/3	5	2002
146	POP	109	YA 93388	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
147	POP	110	YA 93389	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
148	POP	111	YA 93390	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
149	POP	112	YA 93391	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
150	POP	113	YA 93392	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
151	POP	114	YA 93393	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
152	POP	115	YA 93394	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
153	POP	116	YA 93395	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
154	POP	117	YA 94672	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
155	POP	118	YA 94673	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
156	POP	119	YA 94674	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
157	POP	120	YA 94675	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
158	POP	121	YA 94676	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
159	POP	122	YA 94677	12/1 1998	Arkona Res. Inc.	105D/3	4	2002

	CLAIM NAME	No.	GRANT #	EXPIRY DATE YEAR	REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
160	STEN	1	YA 92922	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
161	STEN	2	YA 92923	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
162	STEN	3	YA 92924	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
163	STEN	4	YA 92925	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
164	STEN	5	YA 92926	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
165	STEN	6	YA 92927	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
166	STEN	7	YA 92928	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
167	STEN	8	YA 92929	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
168	STEN	9	YA 92930	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
169	STEN	10	YA 92931	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
170	STEN	11	YA 92932	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
171	STEN	12	YA 92933	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
172	STEN	13	YA 92934	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
173	STEN	14	YA 92935	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
174	STEN	15	YA 92936	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
175	STEN	16	YA 92937	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
176	STEN	17	YA 92938	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
177	STEN	19	YA 92940	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
178	STEN	20	YA 92941	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
179	STEN	21	YA 92942	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
180	STEN	22	YA 92943	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
181	STEN	23	YA 92944	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
182	STEN	24	YA 92945	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
183	STEN	25	YA 92946	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
184	STEN	26	YA 92947	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
185	STEN	27	YA 92948	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
186	STEN	28	YA 92949	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
187	STEN	29	YA 92950	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
188	STEN	30	YA 92951	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
189	STEN	31	YA 92952	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
190	STEN	32	YA 92953	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
191	STEN	33	YA 92954	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
192	STEN	34	YA 92955	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
193	STEN	35	YA 92956	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
194	STEN	36	YA 92957	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
195	STEN	37	YA 92958	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
196	STEN	38	YA 92959	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
197	STEN	39	YA 92960	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
198	STEN	40	YA 92961	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
199	STEN	41	YA 92962	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
200	STEN	42	YA 92963	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
201	STEN	43	YA 92964	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
202	STEN	44	YA 92965	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
203	STEN	45	YA 92966	12/1 1999	Arkona Res. Inc.	105D/3	3	2002
204	MB	1	YA 94610	12/1 2002	Arkona Res. Inc.	105D/3	2	2004
205	MB	2	YA 94611	12/1 2002	Arkona Res. Inc.	105D/3	2	2004
206	MB	3	YA 94612	12/1 2002	Arkona Res. Inc.	105D/3	2	2004
207	TECH	6	YB 26465	12/1 1998	Arkona Res. Inc.	105D/3	4	2002
208	TECH	1	YA 82362	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
209	TECH	2	YA 82363	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
210	TECH	3	YA 82364	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
211	TECH	4	YA 82365	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
212	TECH	7	YA 82368	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002

	CLAIM		GRANT	EXPIRY		REGISTERED	NTS	YEARS	NEW
	NAME	No.		DATE	YEAR				
			#			OWNER		CREDIT	EXPIRY
213	TECH	8	YA 82369	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
214	TECH	9	YA 82370	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
215	TECH	10	YA 82371	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
216	TECH	11	YA 82372	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
217	TECH	12	YA 82373	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
218	TECH	13	YA 82374	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
219	TECH	15	YA 82376	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
220	TECH	16	YA 82377	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
221	TECH	17	YA 82378	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
222	TECH	18	YA 82379	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
223	TECH	19	YA 86013	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
224	TECH	20	YA 86014	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
225	TECH	21	YA 86015	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
226	TECH	22	YA 92145	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
227	TECH	23	YA 92146	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
228	TECH	24	YA 92147	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
229	TECH	25	YA 92148	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
230	TECH	26	YA 92149	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
231	TECH	27	YA 92150	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
232	TECH	28	YA 92151	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
233	TECH	29	YA 92152	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
234	TECH	30	YA 92153	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
235	TECH	31	YA 92154	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
236	TECH	32	YA 92155	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
237	TECH	33	YA 92156	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
238	TECH	34	YA 92157	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
239	TECH	35	YA 92158	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
240	TECH	36	YA 92159	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
241	TECH	37	YA 92160	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
242	TECH	38	YA 92161	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
243	TECH	39	YA 92162	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
244	TECH	40	YA 92163	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
245	MOM	1	YA 81767	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
246	MOM	2	YA 81768	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
247	MOM	3	YA 81769	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
248	MOM	4	YA 81770	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
249	MOM	5	YA 81771	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
250	MOM	6	YA 81772	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
251	MOM	7	YA 81773	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
252	MOM	8	YA 81774	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
253	MOM	9	YA 81775	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
254	MOM	10	YA 81776	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
255	MOM	15	YA 81781	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
256	MOM	16	YA 81782	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
257	MOM	17	YA 81783	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
258	MOM	18	YA 81784	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
259	MOM	19	YA 81785	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
260	MOM	20	YA 81786	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
261	MOM	21	YA 81787	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
262	MOM	22	YA 81788	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
263	MOM	23	YA 81789	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
264	MOM	24	YA 81790	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002
265	MOM	25	YA 81791	12/1	1998	276 Taurus Vent. Ltd.	105D/3	4	2002

	CLAIM		GRANT	EXPIRY	REGISTERED	NTS	YEARS	NEW
	NAME	No.	#	DATE YEAR	OWNER		CREDIT	EXPIRY
266	MOM	26	YA 81792	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
267	MOM	27	YA 81793	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
268	MOM	28	YA 81794	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
269	MOM	29	YA 81795	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
270	MOM	30	YA 81796	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
271	MOM	31	YA 81797	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
272	MOM	32	YA 81798	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
273	MOM	33	YA 81799	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
274	MOM	34	YA 81800	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
275	MOM	35	YA 81801	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
276	MOM	36	YA 81802	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
277	MOM	37	YA 81803	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
278	MOM	38	YA 81804	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
279	MOM	39	YA 81805	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
280	MOM	40	YA 81806	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
281	MOM	41	YA 81807	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
282	MOM	42	YA 81808	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
283	MOM	43	YA 81809	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
284	MOM	44	YA 81810	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
285	MOM	47	YA 81813	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
286	MOM	48	YA 81814	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
287	MOM	49	YA 81815	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
288	MOM	50	YA 81816	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
289	MOM	51	YA 81817	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
290	MOM	52	YA 81818	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
291	MOM	53	YA 81819	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
292	MOM	54	YA 81820	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
293	MOM	55	YA 81821	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
294	MOM	56	YA 81822	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
295	MOM	57	YA 81823	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
296	MOM	58	YA 81824	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
297	MOM	59	YA 81825	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
298	MOM	60	YA 81826	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
299	MOM	62	YA 81828	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
300	MOM	63	YA 81829	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
301	MOM	64	YA 81830	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
302	MOM	65	YA 81831	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
303	MOM	66	YA 81832	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
304	MOM	67	YA 81833	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
305	MOM	68	YA 81834	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
306	MOM	69	YA 81835	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
307	MOM	70	YA 81836	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
308	MOM	71	YA 81837	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
309	MOM	72	YA 81838	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
310	MOM	73	YA 81839	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
311	MOM	74	YA 81840	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
312	MOM	75	YA 81841	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
313	MOM	76	YA 81842	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
314	MOM	77	YA 81843	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
315	MOM	78	YA 81844	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
316	MOM	79	YA 81845	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
317	MOM	80	YA 81846	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
318	MOM	81	YA 81847	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002

	CLAIM NAME	No.	GRANT #	EXPIRY DATE YEAR	REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
319	MOM	82	YA 82000	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
320	MOM	83	YA 82001	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
321	MOM	84	YA 82002	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
322	MOM	85	YA 82003	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
323	MOM	86	YA 82004	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
324	MOM	87	YA 82005	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
325	MOM	88	YA 82006	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
326	MOM	89	YA 82007	12/1 1998	276 Taurus Vent. Ltd.	105D/3	4	2002
327	BERG	1	YB 07446	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
328	BERG	2	YB 7447	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
329	BERG	3	YB 7448	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
330	BERG	4	YB 7449	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
331	BERG	5	YB 7450	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
332	BERG	6	YB 7451	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
333	BERG	7	YB 7452	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
334	BERG	8	YB 7453	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
335	BERG	9	YB 7454	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
336	BERG	10	YB 7455	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
337	BERG	11	YB 7456	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
338	BERG	12	YB 7457	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
339	BERG	15	YB 7460	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
340	BERG	16	YB 7461	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
341	BERG	21	YB 7466	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
342	BERG	22	YB 7467	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
343	BERG	29	YB 7474	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
344	BERG	30	YB 7475	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
345	BERG	31	YB 7476	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
346	BERG	32	YB 7477	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
347	BERG	33	YB 7478	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
348	BERG	34	YB 7479	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
349	BERG	35	YB 7480	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
350	BERG	36	YB 7481	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
351	BERG	37	YB 7482	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
352	BERG	38	YB 7483	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
353	BERG	39	YB 7484	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
354	BERG	40	YB 7485	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
355	BERG	41	YB 7486	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
356	BERG	42	YB 7487	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
357	BERG	43	YB 7488	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
358	BERG	44	YB 7489	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
359	BERG	45	YB 7490	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
360	BERG	54	YB 7499	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
361	BERG	56	YB 7501	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
362	BERG	58	YB 7503	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
363	BERG	60	YB 7505	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
364	BERG	62	YB 7507	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
365	BERG	64	YB 7509	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
366	BERG	66	YB 7511	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
367	BERG	68	YB 7513	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
368	BERG	70	YB 7515	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
369	BERG	72	YB 7517	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
370	BERG	74	YB 7519	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
371	BERG	76	YB 7521	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002

	CLAIM NAME	No.	GRANT #	EXPIRY DATE YEAR	REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
372	BERG	78	YB 7523	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
373	BERG	80	YB 7525	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
374	BERG	82	YB 7527	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
375	BERG	84	YB 7529	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
376	BERG	86	YB 7531	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
377	BERG	88	YB 7533	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
378	BERG	90	YB 7535	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
379	BERG	92	YB 7537	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
380	BERG	94	YB 7539	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
381	BERG	95	YB 7597	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
382	BERG	152	YB 7598	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
383	BERG	153	YB 7599	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
384	BERG	154	YB 7601	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
385	BERG	156	YB 7602	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
386	BERG	157	YB 7603	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
387	BERG	158	YB 7604	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
388	BERG	159	YB 7605	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
389	BERG	160	YB 7606	12/1 1999	276 Taurus Vent. Ltd.	105D/3	3	2002
390	DG	161	YB 66982	12/1 1997	TYG/OMNI	105D/3	5	2002
391	DG	162	YB 66983	12/1 1997	TYG/OMNI	105D/3	5	2002
392	DG	163	YB 66984	12/1 1997	TYG/OMNI	105D/3	5	2002
393	DG	164	YB 66985	12/1 1997	TYG/OMNI	105D/3	5	2002
394	DG	165	YB 66986	12/1 1997	TYG/OMNI	105D/3	5	2002
395	DG	166	YB 66987	12/1 1997	TYG/OMNI	105D/3	5	2002
396	DG	167	YB 66988	12/1 1997	TYG/OMNI	105D/3	5	2002
397	DG	168	YB 66989	12/1 1997	TYG/OMNI	105D/3	5	2002
398	DG	169	YB 66990	12/1 1997	TYG/OMNI	105D/3	5	2002
399	DG	170	YB 66991	12/1 1997	TYG/OMNI	105D/3	5	2002
400	DG	171	YB 66992	12/1 1997	TYG/OMNI	105D/3	5	2002
401	DG	172	YB 66993	12/1 1997	TYG/OMNI	105D/3	5	2002
402	DG	173	YB 66994	12/1 1997	TYG/OMNI	105D/3	5	2002
403	DG	174	YB 66995	12/1 1997	TYG/OMNI	105D/3	5	2002
404	DG	175	YB 66996	12/1 1997	TYG/OMNI	105D/3	5	2002
405	DG	176	YB 66997	12/1 1997	TYG/OMNI	105D/3	5	2002
406	DG	177	YB 66998	12/1 1997	TYG/OMNI	105D/3	5	2002
407	DG	178	YB 66999	12/1 1997	TYG/OMNI	105D/3	5	2002
408	DG	179	YB 67000	12/1 1997	TYG/OMNI	105D/3	5	2002
409	DG	180	YB 67001	12/1 1997	TYG/OMNI	105D/3	5	2002
410	DG	181	YB 67002	12/1 1997	TYG/OMNI	105D/3	5	2002
411	DG	182	YB 67003	12/1 1997	TYG/OMNI	105D/3	5	2002
412	MIL	1	YB 67166	12/1 1997	BYG	105D/3	5	2002
413	MIL	2	YB 67167	12/1 1997	BYG	105D/3	5	2002
414	MIL	3	YB 67168	12/1 1997	BYG	105D/3	5	2002
415	MIL	4	YB 67169	12/1 1997	BYG	105D/3	5	2002
416	MIL	5	YB 67170	12/1 1997	BYG	105D/3	5	2002
417	MIL	6	YB 67171	12/1 1997	BYG	105D/3	5	2002
418	MIL	7	YB 67172	12/1 1997	BYG	105D/3	5	2002
419	MIL	8	YB 67173	12/1 1997	BYG	105D/3	5	2002
420	MIL	9	YB 67174	12/1 1997	BYG	105D/3	5	2002
421	MIL	10	YB 67175	12/1 1997	BYG	105D/3	5	2002
422	MIL	11	YB 67176	12/1 1997	BYG	105D/3	5	2002
423	MIL	12	YB 67177	12/1 1997	BYG	105D/3	5	2002
424	MIL	13	YB 67178	12/1 1997	BYG	105D/3	5	2002

	CLAIM		GRANT #	EXPIRY		REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
	NAME	No.		DATE	YEAR				
425	MIL	14	YB 67179	12/1	1997	BYG	105D/3	5	2002
426	MIL	15	YB 67180	12/1	1997	BYG	105D/3	5	2002
427	MIL	16	YB 67181	12/1	1997	BYG	105D/3	5	2002
428	MIL	17	YB 67182	12/1	1997	BYG	105D/3	5	2002
429	MIL	18	YB 67183	12/1	1997	BYG	105D/3	5	2002
430	MIL	19	YB 67184	12/1	1997	BYG	105D/3	5	2002
431	MIL	20	YB 67185	12/1	1997	BYG	105D/3	5	2002
432	MIL	21	YB 67186	12/1	1997	BYG	105D/3	5	2002
433	MIL	22	YB 67187	12/1	1997	BYG	105D/3	5	2002
434	MIL	23	YB 67188	12/1	1997	BYG	105D/3	5	2002
435	MIL	24	YB 67189	12/1	1997	BYG	105D/3	5	2002
436	MIL	25	YB 67190	12/1	1997	BYG	105D/3	5	2002
437	MIL	26	YB 67191	12/1	1997	BYG	105D/3	5	2002
438	MIL	27	YB 67192	12/1	1997	BYG	105D/3	5	2002
439	MIL	28	YB 67193	12/1	1997	BYG	105D/3	5	2002
440	MIL	29	YB 67194	12/1	1997	BYG	105D/3	5	2002
441	MIL	30	YB 67195	12/1	1997	BYG	105D/3	5	2002
442	MIL	31	YB 67196	12/1	1997	BYG	105D/3	5	2002
443	MIL	32	YB 67197	12/1	1997	BYG	105D/3	5	2002
444	MIL	33	YB 67198	12/1	1997	BYG	105D/3	5	2002
445	MIL	34	YB 67199	12/1	1997	BYG	105D/3	5	2002
446	MIL	35	YB 67200	12/1	1997	BYG	105D/3	5	2002
447	MIL	36	YB 67201	12/1	1997	BYG	105D/3	5	2002
448	MIL	37	YB 67202	12/1	1997	BYG	105D/3	5	2002
449	MIL	38	YB 67203	12/1	1997	BYG	105D/3	5	2002
450	MIL	39	YB 67204	12/1	1997	BYG	105D/3	5	2002
451	MIL	40	YB 67205	12/1	1997	BYG	105D/3	5	2002
452	MIL	41	YB 67206	12/1	1997	BYG	105D/3	5	2002
453	MIL	42	YB 67207	12/1	1997	BYG	105D/3	5	2002
454	MIL	43	YB 67208	12/1	1997	BYG	105D/3	5	2002
455	MIL	44	YB 67209	12/1	1997	BYG	105D/3	5	2002
456	MIL	45	YB 67210	12/1	1997	BYG	105D/3	5	2002
457	MIL	46	YB 67211	12/1	1997	BYG	105D/3	5	2002
458	MIL	47	YB 67212	12/1	1997	BYG	105D/3	5	2002
459	MIL	48	YB 67213	12/1	1997	BYG	105D/3	5	2002
460	MIL	49	YB 67214	12/1	1997	BYG	105D/3	5	2002
461	MIL	50	YB 67215	12/1	1997	BYG	105D/3	5	2002
462	MIL	51	YB 67216	12/1	1997	BYG	105D/3	5	2002
463	MIL	52	YB 67217	12/1	1997	BYG	105D/3	5	2002
464	MIL	53	YB 67218	12/1	1997	BYG	105D/3	5	2002
465	MIL	54	YB 67219	12/1	1997	BYG	105D/3	5	2002
466	MIL	55	YB 67220	12/1	1997	BYG	105D/3	5	2002
467	MIL	56	YB 67221	12/1	1997	BYG	105D/3	5	2002
468	MIL	57	YB 67222	12/1	1997	BYG	105D/3	5	2002
469	MIL	58	YB 67223	12/1	1997	BYG	105D/3	5	2002
470	MIL	59	YB 67224	12/1	1997	BYG	105D/3	5	2002
471	MIL	60	YB 67225	12/1	1997	BYG	105D/3	5	2002
472	MIL	61	YB 67226	12/1	1997	BYG	105D/3	5	2002
473	MIL	62	YB 67227	12/1	1997	BYG	105D/3	5	2002
474	MIL	63	YB 67228	12/1	1997	BYG	105D/3	5	2002
475	MIL	64	YB 67229	12/1	1997	BYG	105D/3	5	2002
476	MIL	65	YB 67230	12/1	1997	BYG	105D/3	5	2002
477	MIL	66	YB 67231	12/1	1997	BYG	105D/3	5	2002

	CLAIM		GRANT #	EXPIRY		REGISTERED OWNER	NTS	YEARS CREDIT	NEW EXPIRY
	NAME	No.		DATE	YEAR				
478	MIL	67	YB 67232	12/1	1997	BYG	105D/3	5	2002
479	MIL	68	YB 67233	12/1	1997	BYG	105D/3	5	2002

Total claim-years:

1804