ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 90.02.07

ASSESSMENT REPORT 18776 — MINING DIVISION: Similkameen

PROPERTY: Man
LOCATION: LAT 49 46 00 LONG 120 29 00
UTM 10 5515508 681229
NTS 092H16W

CAMP: 012 Nicola Belt

CLAIM(S): Man
OPERATOR(S): Brican Res.
AUTHOR(S): Wynne, F.L.
REPORT YEAR: 1989, 77 Pages
COMMODITIES SEARCHED FOR: Copper,Gold
KEYWORDS: Triassic,Nicola Group,Andesites,Pyrite,Chalcopyrite
WORK DONE: Drilling,Geochemical
DIAD 1508.7 m 8 hole(s);NQ
Map(s) - 1; Scale(s) - 1:1000
SAMP 639 sample(s) ;ME
RELATED REPORTS: 06412,06877,06900,07430,07521,08241,08364,08692,09649,13932,16985
17077
MINFILE: 092HNE055,092HNE056,092HNE110

ASSESSMENT REPORT ON DIAMOND DRILLING ON THE MAN CLAIMS

NTS 92H/9W, 16W

LATITUDE 49° 44' North
LONGITUDE 120° 29' West

SIMILKAMEEN MINING DIVISION

FOR

BRICAN RESOURCES LTD.

BY

F. L. WYNNE, P.ENG.

May 19, 1989

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ILLUSTRATIONS

SUMMARY AND CONCLUSIONS

The Man property is located some 36 km north of Princeton, B.C. and about 3 km southeast of Missezula Lake, and is easily accessible by road. The property consists of 2 modified grid claims totalling 30 units, held by Brican Resources Ltd. under option from Mr. David T. Mehner of Vernon, B.C.

Mineralization in the area has been known at least since the 1940's, when it was covered by the King George claims. The property was active between 1967 and 1981 when it was known as the Prime, HG or Primer Group. The most important work during this period was done by Newmont between 1979 and 1981, and this included soil sampling, geological mapping, induced polarization and ground magnetometer surveys, trenching and 2551 metres of diamond drilling in 12 holes.

The property was allowed to lapse and the Man claim was staked by Mr. D. T. Mehner in 1987. Brican optioned this claim and staked the Man 2 claim in 1988.

Brican subsequently carried out a more detailed IP survey of the property, and then conducted the diamond drill program totalling 1508.7 metres in 8 holes which is the subject of this report.

The results of the diamond drilling indicate a broad zone of significant copper-gold mineralisation co-incident with an area of IP anomaly. Further drill testing of this IP anomaly is recommended.

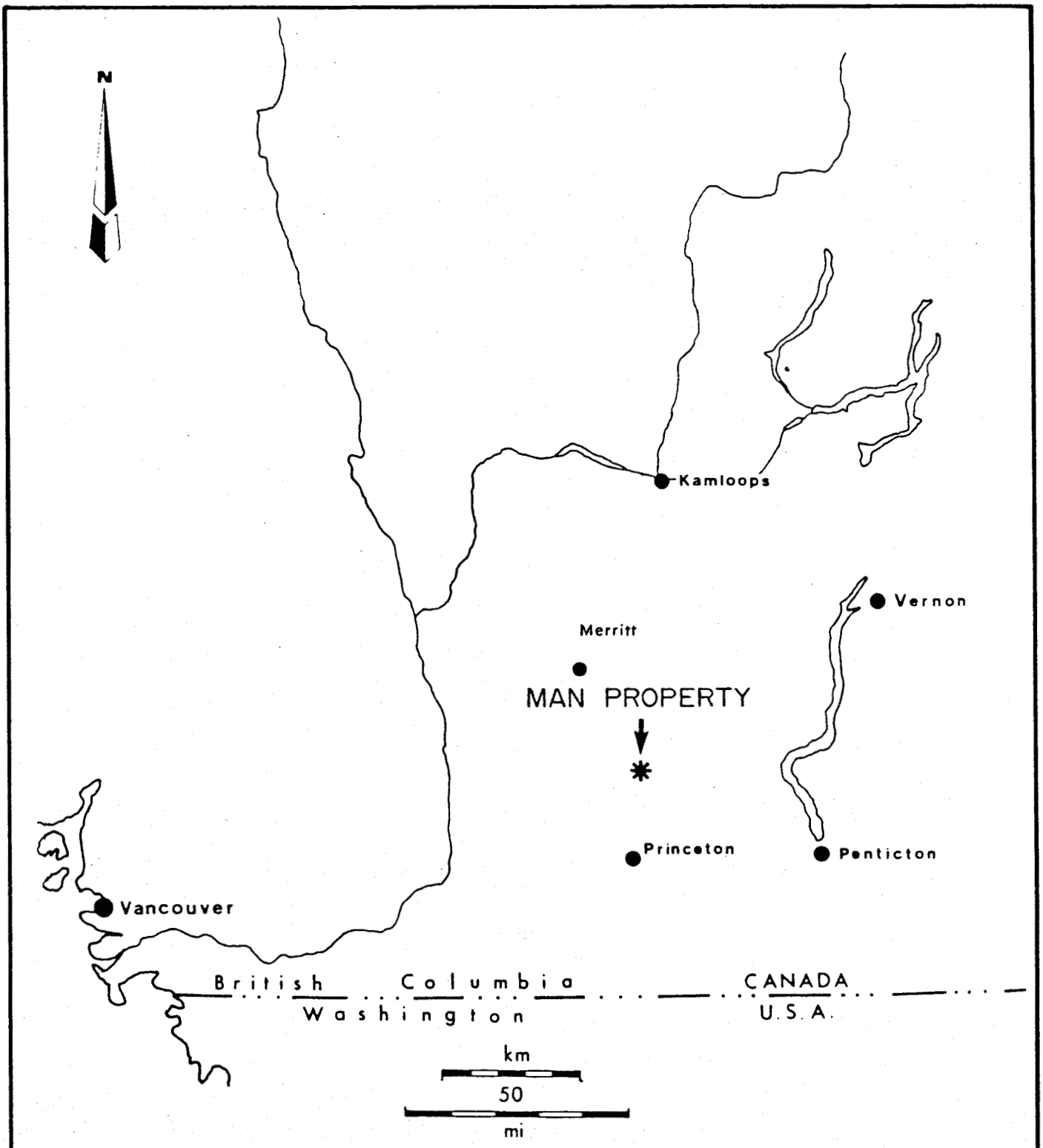
INTRODUCTION

In December, 1988 and January, 1989 Discovery Consultants carried out a drill program on the MAN property, Similkameen Mining Division, B.C., for Brican Resources Ltd.

The purpose of the drill program was to test a large anomalous area outlined by an induced polarization survey carried out in July, 1988 and to determine the attitude and continuity of known gold bearing structures located by work carried out in a 1980-81 program by Newmont.

LOCATION AND ACCESS

The property is located 36 km north of Princeton, B.C. and 3 km southeast of Missezula Lake at geographic coordinates 49 degrees 44 minutes north and 120 degrees 29 minutes west. Access to the property is by either the Missezula Lake road which branches off Highway 5A at a point 8 km north of Princeton, or by the Dillard Creek logging road which turns off Highway 5A about 43 km south of Merritt, B.C. A branch logging road leaves the Dillard Creek road at kilometre 22 and follows the Dillard Creek Valley westward for 5.5 km to the claim area.



DISCOVERY Consultants	BRICAN RESOURCES LIMITED
MAN PROPERTY	LOCATION MAP

DATE: May 10/89	PROJECT: 321	SCALE: as shown	N.T.S.: 92H/9, 16	M.D. Similkameen	FIGURE: 1

PHYSIOGRAPHY AND CLIMATE

The claims are situated on a moderate to locally steeply sloping, west facing, wooded hillside. Elevations range from 975 to 1676 m (3200 to 5500 ft) above sea level. The claims are drained by Dillard Creek and other unnamed tributaries of Summers Creek. Summers Creek flows south along the west boundary of the claims. Vegetation includes commercial stands of fir and lodgepole pine which, near the east boundary of the claims have been recently logged. Undergrowth is relatively light. Overburden depths are quite variable ranging from 0 to over 90 m in the area tested by drilling. During the last glacial period the ice advanced nearly due south over the claims. Rock outcroppings comprise less than 5% of the surface area over the zone of known mineralization.

The climate is typical of higher areas within the southern interior with relatively hot summers and cold winters, with low precipitation. Most small drainages tend to dry up in the later summer and water for drilling may have to be pumped some distance or be trucked.

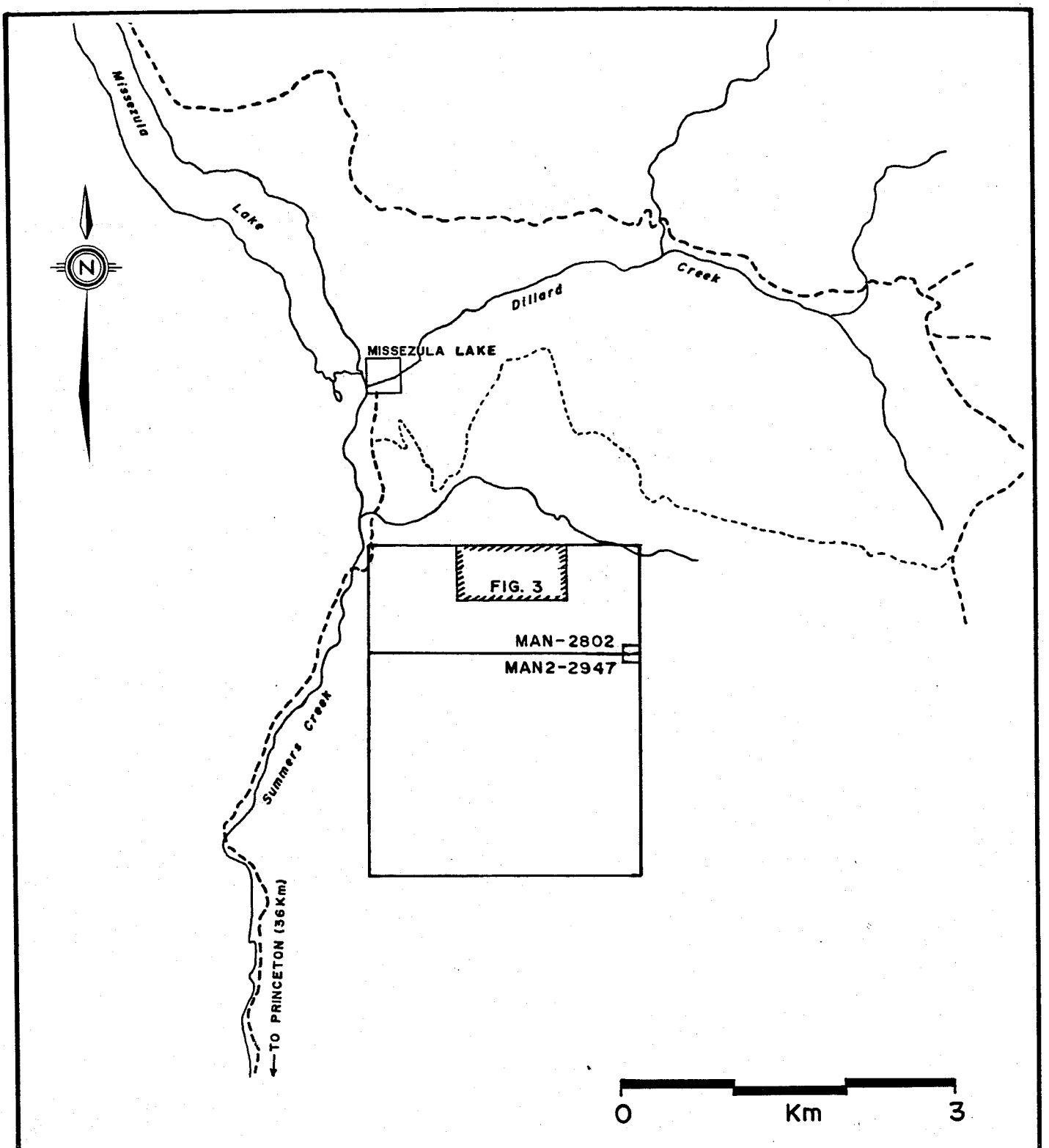
PROPERTY AND OWNERSHIP

The property consists of two adjoining modified grid claims comprising 30 units as follows:

CLAIM NAME	RECORD NO.	NO. OF UNITS	EXPIRY DATE
MAN	2802	10	26 February 1999*
MAN 2	2947	20	30 June 1999*

The claims are held under option agreements between Brican Resources Ltd. and Frederick L. Wynne and David T. Mehner dated September 15 and September 9, respectively, under which Brican has the right to acquire a 100% interest in the claims.

* Pending approval of this report.



DISCOVERY Consultants

BRICAN RESOURCES LIMITED

MAN PROPERTY

CLAIM MAP

DATE : May 10/89	PROJECT : 321	SCALE: 1:50,000	N.T.S. : 92 H/9,16	M.D. Similkameen	FIGURE : 2

HISTORY

Copper-gold mineralization has been known to exist in the area for a number of years dating back to at least the 1940's when it was covered by the King George group of claims. The area has received intermittent exploration between 1967 and the present time. The most important work was carried out by Newmont Exploration of Canada Limited during 1979 to 1981. This work included line cutting, soil geochemistry for copper, induced polarization and ground magnetic surveys, trenching, sampling, geological mapping and 2550.0 m of diamond drilling in 12 holes.

In February 1987 the property was restaked as the MAN claim by David T. Mehner and was optioned to Brican. Later in the year, the MAN 2 claim was staked by Brican and became part of the property as defined by the terms of the option.

In June and July, 1988 linecutting and a detailed induced polarization survey were completed over the area of previous drilling. The induced polarization anomaly corresponded quite closely with the previous Newmont anomaly which was done in less detail and on a grid parallel to the mineralization.

GEOLOGY

The property is underlain by andesitic volcanics and co-eval intrusives of similar composition belonging to the Upper Triassic Nicola Group. The rocks are all fine grained and the various phases cut each other in a complex pattern. Free quartz is very rare, and the alteration is mainly potassic and propylitic. Sulfide mineralisation occurs mainly as pyrite and chalcopyrite in amounts generally less than 5%.

DIAMOND DRILL PROGRAM

Between December 1988 and January 1989, a program of exploration diamond drilling totalling 1508.7 metres in 8 holes was conducted on the MAN property. The location of the holes is shown on the accompanying plan (Figure 3), and the pertinent drill information is summarized below:

Drill Contractor: Tex Drilling Ltd.
Kamloops, B.C.

Machine: Longyear 38

Core Diameter: NQ and BQ

Hole No.	Line	Station	Dip	Azimuth	Length(m)
321-1	98+70N	103+10E	-45°	090°	209.39
321-2	99+00N	103+75E	-45°	270°	227.06
321-3	99+00N	105+45E	-90°		160.01
321-4	99+00N	105+15E	-45°	270°	252.06
321-5	98+50N	104+20E	-90°		199.63
321-6	98+00N	104+10E	-90°		154.53
321-7	99+50N	103+75E	-90°		148.44
321-8	97+50N	102+15E	-90°		157.58

All holes were collared on the MAN claim.

Diamond drill core was split at Brican's Vernon warehouse and one half was sent to Bondar Clegg for analysis. At Bondar-Clegg the entire sample was crushed to -10 mesh, riffle split, and a 250 gram sub-sample pulverized to -150 mesh. Analytical procedure on the sub-sample was as follows.

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD
Copper	1 ppm	HN03-HCL Hot Extr	Plasma
Lead	5 ppm	HN03-HCL Hot Extr	Plasma
Zinc	1 ppm	HN03-HCL Hot Extr	Plasma
Molybdenum	1 ppm	HN03-HCL Hot Extr	Plasma
Silver	0.5 ppm	HN03-HCL Hot Extr	Plasma
Cobalt	1 ppm	HN03-HCL Hot Extr	Plasma
Bismuth	2 ppm	HN03-HCL Hot Extr	Plasma

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD
Arsenic	5 ppm	HN03-HCL Hot Extr	Plasma
Antimony	5 ppm	HN03-HCL Hot Extr	Plasma
Cadmium	1 ppm	HN03-HCL Hot Extr	Plasma
Chromium	1 ppm	HN03-HCL Hot Extr	Plasma
Iron	0.05 pct	HN03-HCL Hot Extr	Plasma
Manganese	1 ppm	HN03-HCL Hot Extr	Plasma
Nickel	1 ppm	HN03-HCL Hot Extr	Plasma
Vanadium	1 ppm	HN03-HCL Hot Extr	Plasma
Gold-Fire Assay	5 ppb	FIRE-ASSAY	Fire Assay AA

All core is stored at the Brican warehouse in Vernon, B.C.

Complete drill logs for each hole are attached to this report. Holes 321-1 to 5 were logged by Tom Carpenter and holes 321-6 to 8 were logged by D.C. Miller. Drill supervision, on behalf of Brican Resources Ltd., was performed by F.L. Wynne and D.C. Miller, and core splitting was carried out by Bill Deakin and John Beggs.

The results of this drill program generally show a broad zone of significant copper-gold mineralisation more or less co-incident in area with the IP anomaly. The main drill intersections are summarized in the table below, while the detailed analytical results can be found on the drill logs attached.

Hole No.	From(m)	To(m)	Length(m)	% Copper	oz/t Gold
321-1	15.54	209.39	193.85	0.29	0.008
	20.00	83.00	63.00	0.76	0.003
	28.00	38.00	10.00	1.39	0.006
	38.00	57.00	19.00	0.81	0.001
	40.00	45.00	5.00	1.26	0.002
	72.00	83.00	11.00	0.28	0.013
	83.00	123.67	40.67	0.05	0.012
	145.00	197.00	52.00	0.11	0.014
	145.00	146.00	1.00	1.52	0.296
	150.00	157.00	7.00	0.13	0.021
	186.00	187.00	1.00	0.57	0.145

Hole No.	From(m)	To(m)	Length(m)	% Copper	oz/t Gold
321-2	45.00	125.75	80.75	0.18	0.011
	45.00	96.00	51.00	0.24	0.013
	81.00	89.50	8.50	0.25	0.044
	88.00	89.50	1.50	0.97	0.151
321-3	No significant intersections				
321-4	201.00	252.06	51.06	0.19	0.014
	201.00	229.00	28.00	0.33	0.017
	206.00	212.00	6.00	0.73	0.030
321-5	133.00	141.00	8.00	0.28	0.021
321-6	119.70	121.40	1.70	1.15	0.270
321-7	11.28	23.00	11.72	0.43	0.006
	44.00	65.00	21.00	0.11	0.019
321-8	89.00	157.58	68.58	0.18	0.003
	89.00	95.00	6.00	0.32	0.012
	92.00	95.00	3.00	0.51	0.023
	119.00	122.00	3.00	0.50	0.033

RECOMMENDATIONS

The diamond drill program on the Man property has shown a broad zone of significant copper-gold mineralisation more or less co-incident with an IP anomaly. The drilling tested only part of the IP anomaly, and further drill testing of this anomaly is warranted.

REFERENCES

Limion, H., 1980 — I.P. Survey Report, Prime, H G-1, H G-2, H G-6 Fraction Claims, Similkameen Mining Division, Newmont Exploration of Canada, Ltd.

Miller, D.C., 1988 — Report on the Man Claims, Similkameen Mining Division, B.C., for Brican Resources Ltd.

Preto, V., 1979 — Geology of the Nicola Group Between Merritt and Princeton, Bull. 69, B.C. Ministry of Mines and Petroleum Resources.

Visagie, D., 1981 — Summary Report on the Missezula Project, Similkameen Mining Division, NTS 92H/W, 10E, 16W, Newmont Exploration of Canada Limited.

STATEMENT OF COSTS

Supervision, Core Logging, Report Writing			
F.L. Wynne, P.Eng.			
14.5 days @ $450/day		$ 6525.00	
T. Carpenter, Geologist			
25 days @ $360/day		9000.00	
D.C. Miller , P.Eng.			
7.25 days @ $450/day		3262.50	
			$ 18787.50
Contractors			
Drilling			
Tex Drilling Ltd.		122836.00	
Road Building			
Afree Investments Ltd.		12420.00	
Helper-J. Beggs			
9 days @ $192/day		1728.00	
			136984.00
Personnel-Core Splitting			
J. Beggs Dec 13-17, 1988, Jan 10,12-19,			
Jan 21,23-27, 1989			
17.5 days @ $192/day		3360.00	
B. Deakin Dec 18-20, 23-27, 1988			
5.5 days @ $160/day		880.00	
			4240.00
Analysis			
Au geochem + 15 element I.C. Plasma			
631 samples @ $16.10		10159.10	
Sample preparation			
631 samples @ $3.75		2366.25	
Au assay			
122 samples @ $9.75		1189.50	
Cu assay			
104 samples @ $6.25		650.00	
			14364.85
Expenses			
Transport - 4X4 trucks			
66 days @ $40/day	$2640.00		
13130 km @ $0.30/km	3939.00		
Gas	2435.12		
		9014.12	
Food & Lodging		814.58	
Field supplies		533.40	
Office		200.00	10562.10
			$184938.45

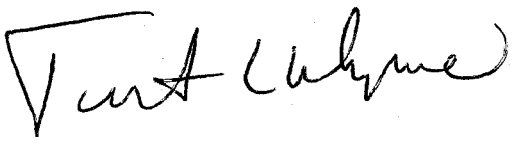
CERTIFICATE

I, Frederick L. Wynne, DO HEREBY CERTIFY THAT:

(1) I am a geologist associated with Discovery Consultants, #205 - 2900 30th Avenue, Vernon, B.C. V1T 2B7

(2) I am a graduate of the University of Alberta at Edmonton, Alberta, B.Sc. 1964, and a member of the Association of Professional Engineers of British Columbia. I have practised my profession of Exploration Geologist for over 24 years.

(3) I am the author of this report, which is based on work done on the property both by myself and by others under my direction.



Frederick L. Wynne, P.Eng.

Vernon, British Columbia
May 19, 1988

APPENDIX A

321-1

Discovery Consultants

Drill Log

Co-ords: 98 + 70N
103 + 10E
Azimuth: 90 deg.
Dip: -45 deg.
Elevation:

Length: 209.39m
Section:
Purpose: Test IP mineralization encontered in hole 80-2

Drill type & size: NQ

Dip tests: none taken

Hole No: 321-1
Property: Man

Location: Man Property
Date St.:
Date Fin:
Logged by: T. Carpenter

Date Logged: Dec. 8, 1988.

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	15.54	Overburden and casing.																						
15.54	52.00	PLAGIOCLASE - HORNBLENDE ANDESITE. Phenocrysts of plagioclase and hornblende to 1-2mm. Generally patchy brown in colour due to variable weak to moderate potassic alteration. Ubiquitous white fracture filling (gypsum?) with minor grey calcite. Increase in chlorite noted in zones of potassic alteration. Local minor (<1%) pyrite as disseminations and fracture fillings. 15.54-17.0m - 0.5m lost core. Broken rock with hematite on fractures. 17.0-21.0m - Frequent narrow gouge zones. 21.8m. Brecciated material cemented by material intrusive in appearance with sub rounded potassium feldspar	37001	15.54	17.00	1.46	65	13	-0.002	-0.5	11	-2	-1	7	24	103	2.85	602	-1	7	-5	-5	126	60
			37002	17.00	20.00	3.00	99	26	-0.002	-0.5	-5	-2	-1	7	22	1130	2.58	592	8	3	-5	-5	143	55
			37003	20.00	23.00	3.00	100	49	0.004	-0.5	-5	-2	-1	5	24	2697	2.00	544	7	5	-5	-5	170	50
			37004	23.00	26.00	3.00	100	58	-0.002	-0.5	-5	-2	-1	3	21	6063	1.65	381	47	4	-5	-5	143	40
			37005	26.00	28.00	2.00	100	56	0.003	-0.5	-5	-2	-1	3	18	7004	2.17	511	55	4	-5	-5	193	49

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		phenocrysts - Dacite (?).																						
		27.4-28m - Fractures parallel to core axis.																						
		28-29.55m - 1-3% disseminated pyrite	37006	28.00	29.00	1.00	100	149	0.006	2.0	16	-2	-1	2	19	>20000	3.14	439	167	7	13	-5	190	55
		with minor chalcopyrite.	37007	29.00	30.00	1.00	100	553	0.018	31.7	-5	-2	-1	-1	17	>20000	3.48	230	90	5	99	-5	79	4
		29.55-29.6m - 10-20% chalcopyrite veinlets to 0.5cm in dark green to black matrix.																						
		29.6-30.2m - Pink rock with high potassic alteration. 3-5% chalcopyrite as disseminations and fracture fillings.																						
		30.2-34.8m - Weak to moderate potassic	37008	30.00	31.00	1.00	100	120	-0.002	2.2	-5	-2	-1	5	17	12350	3.19	574	8	5	7	12	189	60
		alteration with 2-4% chalcopyrite as	37009	31.00	32.00	1.00	100	105	0.004	1.0	-5	-2	-1	6	17	8715	2.93	531	13	3	23	-5	195	61
		blebs, disseminations and fracture	37010	32.00	33.00	1.00	100	101	0.009	0.9	29	-2	-1	3	22	10854	2.59	469	118	8	10	-5	194	50
		fillings.	37011	33.00	34.00	1.00	100	95	0.004	1.4	48	-2	-1	4	19	12527	2.79	507	164	8	9	-5	185	51
		34.8-35.36m - Fault zone with grey clay	37012	34.00	36.00	2.00	100	152	0.005	-0.5	29	-2	-1	8	13	3744	3.47	656	9	9	-5	6	181	67
		gouge. Shear at 30 deg. to core axis.																						
		35.36-38.2m - High potassic alteration	37013	36.00	38.00	2.00	100	200	0.005	0.8	28	-2	-1	13	15	1885	3.98	634	28	3	-5	-5	193	56
		locally. Pinkish brown to dark grey in colour. Weakly to moderately silicified. Up to 5-7% disseminated pyrite from 38.0m.																						
		38.2-42.0m - Fault zone. Weak sericitic	37014	38.00	40.00	2.00		15	-0.002	-0.5	16	2	-1	10	8	463	4.05	695	20	6	-5	-5	167	59
		alteration. Minor disseminated pyrite (<1%)	37015	40.00	42.00	2.00		92	0.003	2.7	17	-2	-1	8	11	14520	2.94	539	74	8	16	6	158	65
		40.1-41.1m - Clay zone.																						
		42.0-52.0m - Breccia zone. Faulted.	37016	42.00	43.00	1.00		74	-0.002	3.4	16	-2	-1	8	18	19240	3.35	505	73	5	20	8	194	73
		Broken core comprising siliceous	37017	43.00	44.00	1.00		37	-0.002	0.8	17	-2	-1	13	14	5153	2.71	699	29	5	-5	-5	176	72
		plagioclase - hornblende andesite	37018	44.00	45.00	1.00		43	-0.002	1.0	20	-2	-1	19	17	5171	3.03	552	25	8	7	-5	184	52
		cemented by chloritic fine grained	37019	45.00	46.00	1.00		12	-0.002	-0.5	-5	-2	-1	10	16	522	2.75	525	22	4	-5	-5	198	54
		material with abundant potassic phenos	37020	46.00	47.00	1.00		44	-0.002	-0.5	38	-2	-1	11	17	3444	2.91	594	53	4	13	-5	202	69
		and fine grained material.	37021	47.00	48.00	1.00		51	-0.002	0.9	-5	-2	-1	17	16	3982	2.67	525	58	8	6	-5	171	55
		42.0-43.0m - 10-15% sulphides as fracture fillings and veinlets (70% chalcopyrite, 5% bornite, 25% pyrite).	37022	48.00	49.00	1.00		34	-0.002	-0.5	9	-2	-1	13	23	2384	2.48	541	52	9	6	-5	190	50
		43.0-52.0m - 5-10% sulphides principally	37023	49.00	50.00	1.00		77	-0.002	2.3	-5	-2	-1	13	26	10354	3.20	569	56	7	12	-5	187	62

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		disseminated pyrite with minor chalcopyrite blebs. Decrease in brecciation noted from 48.0m.	37024	50.00	51.00	1.00		32	-0.002	-0.5	-5	-2	-1	13	28	4096	2.39	458	70	4	-5	8	163	48
			37025	51.00	52.00	1.00		48	-0.002	1.1	12	-2	-1	30	22	4865	3.22	619	4	7	-5	7	194	61
52.00	72.50	ALTERED - MINERALIZED ANDESITE. Mottled pink to buff to dark grey siliceous rock with moderate to pervasive potassic alteration. Chlorite is evident in matrix and on fractures. Section is completely brecciated with fractures healed with white gypsum veinlets to 5mm. No preferred orientation noted. Less altered zones show textures similar to material from 15.54m. Sulphides are found throughout the section and consist of 1-5% disseminated, fracture fillings and blebs comprising 60-70% pyrite and 30-40% chalcopyrite. Occasional sulphides are noted bounding gypsum veinlets. 59.0-64.0m - Sulphides decrease to 1-3%, principally as veinlets. 64.0-72.5m - 1-2% sulphides principally pyrite with minor chalcopyrite. 71.5-72.5m - Broken core with clay on fractures.	37026	52.00	53.00	1.00		72	-0.002	1.6	19	-2	-1	10	26	7978	2.80	442	44	9	10	9	190	49
			37027	53.00	54.00	1.00		62	-0.002	1.2	10	-2	-1	19	30	8981	2.98	406	21	6	10	-5	185	46
			37028	54.00	55.00	1.00		107	0.004	2.4	50	-2	-1	12	28	11546	3.32	348	69	7	23	-5	150	55
			37029	55.00	56.00	1.00		77	-0.002	2.2	-5	-2	-1	15	24	11142	3.35	473	33	8	26	-5	177	55
			37030	56.00	57.00	1.00		105	-0.002	3.7	23	-2	-1	8	21	14647	2.88	398	128	8	19	-5	166	57
			37031	57.00	58.00	1.00		49	-0.002	1.3	16	-2	-1	18	38	7776	2.63	445	95	8	-5	8	181	49
			37032	58.00	59.00	1.00		29	0.004	1.6	37	-2	-1	30	28	5983	2.93	462	101	7	-5	-5	175	41
			37033	59.00	60.00	1.00	100	34	-0.002	1.1	8	-2	-1	39	28	3106	3.17	432	6	7	-5	7	176	34
			37034	60.00	61.00	1.00	100	46	-0.002	1.1	14	-2	-1	28	32	4272	3.34	455	77	7	16	6	190	50
			37035	61.00	62.00	1.00	100	32	-0.002	-0.5	-5	-2	-1	30	33	3802	2.96	373	38	4	-5	-5	177	30
			37036	62.00	63.00	1.00	100	41	-0.002	1.7	34	-2	-1	45	28	6348	3.36	367	31	8	6	-5	187	34
			37037	63.00	64.00	1.00	100	34	-0.002	1.1	11	-2	-1	19	26	6437	2.13	329	69	7	7	7	165	33
			37038	64.00	66.00	2.00	100	33	-0.002	1.2	-5	-2	-1	29	18	4680	2.25	286	65	5	-5	11	151	28
			37039	66.00	68.00	2.00	100	53	0.005	2.9	10	-2	-1	7	23	8746	2.35	339	155	7	13	-5	158	45
			37040	68.00	70.00	2.00	100	96	-0.002	3.1	22	-2	-1	9	18	9137	2.89	394	85	9	-5	10	164	45
			37041	70.00	72.00	2.00	100	47	-0.002	-0.5	15	-2	-1	10	14	4621	2.66	421	7	4	-5	-5	139	40
72.50	76.60	ANDESITE. Fine grained dark grey rock. Decreased gypsum noted. Open fractures with slickensides. Siliceous.	37042	72.00	73.00	1.00	100	152	0.006	1.0	-5	-2	-1	11	17	2779	3.40	412	-1	5	-5	5	148	33
			37043	73.00	74.00	1.00	100	458	0.012	1.1	67	-2	-1	12	17	5511	3.41	377	-1	6	-5	-5	166	34
			37045	74.00	75.00	1.00	100	558	0.015	1.1	18	-2	-1	10	16	5615	3.20	389	-1	8	-5	-5	175	41

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		- Chalcopyrite fracture fillings from 73.5 top 74.7m.																						
76.60	123.67	ALTERED ANDESITE. Predominantly medium	37046	76.00	77.00	1.00	100	622	0.026	0.6	29	3	-1	9	20	1792	1.99	302	-1	8	8	6	172	32
		brown to grey in colour. Relatively	37047	77.00	80.00	3.00	100	293	0.014	-0.5	21	-2	-1	7	18	1267	2.10	321	-1	6	-5	-5	181	29
		fine grained rock with occasional	37048	80.00	83.00	3.00	100	402	0.015	0.9	6	-2	-1	7	26	2701	2.42	348	-1	8	-5	-5	132	37
		hornblende phenos to 1mm. Ubiquitous	37049	83.00	86.00	3.00	100	230	0.011	-0.5	23	-2	-1	4	19	399	1.29	306	-1	8	-5	-5	110	20
		white and pink gypsum veinlets ranging	37050	86.00	89.00	3.00	100	96	0.007	-0.5	6	2	-1	3	16	188	1.24	308	4	5	-5	-5	123	20
		from 0 deg. to 90 deg. to core axis.	37051	89.00	92.00	3.00	100	30	0.003	-0.5	23	-2	-1	4	15	768	1.54	347	-1	7	-5	-5	129	23
		Gypsum also appears to be increased	37052	92.00	95.00	3.00	100	131	0.006	-0.5	-5	-2	-1	5	15	476	1.40	333	-1	4	-5	-5	71	20
		overall.	37053	95.00	98.00	3.00	100	213	0.012	-0.5	20	5	-1	7	20	565	1.84	337	-1	4	-5	11	122	24
		Locally bleached brownish beige in	37054	98.00	101.00	3.00	100	227	0.008	-0.5	-5	-2	-1	5	17	76	1.40	264	-1	7	-5	-5	114	20
		colour.	37055	101.00	104.00	3.00	100	464	0.011	0.7	23	-2	-1	6	14	294	1.57	305	-1	12	-5	-5	125	21
		Minor local sulphides. (Pyrite with	37056	104.00	107.00	3.00	100	320	0.006	-0.5	20	-2	-1	6	16	101	1.75	290	-1	7	-5	-5	130	21
		occasional chalcopyrite).	37057	107.00	110.00	3.00	100	2841	0.066	0.6	9	-2	-1	5	15	808	1.42	307	-1	6	-5	-5	121	18
		Alteration: Silicified (?) rock with	37058	110.00	113.00	3.00	100	98	0.004	-0.5	-5	4	-1	4	15	252	1.17	242	2	8	-5	-5	109	17
		moderately pervasive potassic	37059	113.00	116.00	3.00	100	446	0.011	-0.5	7	2	-1	4	13	814	1.13	244	3	3	-5	-5	101	15
		alteration, chloritized mafics.	37060	116.00	119.00	3.00	100	67	0.002	-0.5	-5	4	-1	4	15	202	0.92	217	1	5	-5	-5	104	13
		Thin Section at 109.1m shows high carbinate content (20% calcite).																						
		90.8-94.0m- Bleached beige rock with gypsum veins to 10cm at 60 deg. to core axis.																						
		98.0-102.5m- Moderately fractured with clay common on fractures.																						
		102.3- 1cm pyrite vein at 45 deg. to core axis.																						
		113-113.5m- Fault zone. Broken core	37061	119.00	120.00	1.00	100	323	0.006	0.8	-5	-2	-1	7	9	633	1.81	287	2	9	-5	-5	135	22
		with clay on fractures.	37062	120.00	121.00	1.00	100	294	0.008	-0.5	16	2	-1	4	12	951	1.02	182	4	7	-5	-5	94	13
		120.77-122m - 1-2% disseminated	37063	121.00	122.00	1.00	100	295	0.009	-0.5	15	2	-1	3	12	1061	0.75	114	21	6	-5	-5	87	8
		chalcopyrite-pyrite.	37064	122.00	123.67	1.67	100	275	0.007	-0.5	23	5	-1	5	11	364	1.39	242	3	7	-5	-5	77	18
		122.9-123.0m - Shears at 60 deg. to 80 deg. to core axis.																						
		123.6-123.67m.																						

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
123.67	136.50	ALTERED ANDESITE. Mottled appearance with patchy brown potassic alteration zones separated by zones of dark grey rock with weak to non existent potassic alteration. Highly silicified throughout. Frequent gypsum filled fractures. Gypsum predominantly white and occasionally pink in colour. Overall moderate potassic alteration. Chloritized hornblende phenocrysts to 1-2mm are common throughout the section. 135.35m - Chalcopyrite blebs in chloritic fracture.	37065	123.67	126.00	2.33	100	12	-0.002	0.7	-5	-2	-1	6	13	120	2.15	332	-1	7	-5	-5	115	19
			37066	126.00	129.00	3.00	100	11	-0.002	0.6	19	-2	-1	6	14	104	2.65	356	-1	8	-5	-5	162	20
			37067	129.00	132.00	3.00	100	10	-0.002	0.8	15	-2	-1	5	12	106	2.83	394	-1	8	-5	-5	159	23
			37068	132.00	135.00	3.00	100	62	0.003	-0.5	7	-2	-1	5	15	348	2.09	360	-1	3	-5	-5	109	24
			37069	135.00	136.50	1.50	100	159	0.005	1.1	19	-2	-1	7	11	467	2.63	396	-1	6	8	-5	113	24
136.50	149.30	SHEARED ALTERED ANDESITE. Upper contact at 60 deg. to core axis. Section comprises fractured subangular to rounded (milled) fragments of siliceous, potassium-altered andesite in a clayey matrix to 145.5m. Chalcopyrite veinlets at 145.5m with pyrite, cut by gypsum vein. Shearing and ubiquitous gypsum veinlets are parallel to the core axis from 136.5-145.5m. 145.5-149.3m- More competent pink rock with pervasive potassic alteration. Some "milling" evident with sharp decrease in clay content. Lower contact marked by clay gouge from 148.7 at 10 deg. to core axis.	37070	136.50	139.00	2.50	100	59	0.003	0.7	-5	-2	-1	5	12	115	1.82	457	1	7	-5	-5	78	17
			37071	139.00	142.00	3.00	100	8	-0.002	-0.5	13	-2	-1	4	11	120	1.59	350	-1	6	-5	-5	87	14
			37072	142.00	145.00	3.00	100	38	0.002	-0.5	6	5	-1	5	10	292	2.04	461	3	5	-5	-5	97	17
			37073	145.00	146.00	1.00	100	>10000	0.296	18.6	15	-2	-1	9	11	12629	3.20	282	3	4	21	-5	92	12
			37074	146.00	149.30	3.30	100	28	-0.002	-0.5	21	2	-1	4	14	53	1.14	249	-1	4	-5	8	87	15
149.30	179.00	ALTERED ANDESITE. Similar in appearance to section from 123.67 to 136.5m. Dark grey to pink, siliceous rock. Moderate to high potassic alteration. Local	37075	149.30	150.00	0.70	100	35	-0.002	-0.5	-5	-2	-1	2	16	55	0.69	215	3	6	-5	-5	94	12
			37076	150.00	151.00	1.00	100	2428	0.072	4.8	-5	-2	-1	5	18	1835	1.86	266	1	4	-5	-5	129	16
			37077	151.00	154.00	3.00	100	33	0.002	-0.5	-5	-2	-1	4	15	57	1.16	264	-1	3	-5	8	111	16
			37078	154.00	156.00	2.00	100	628	0.022	1.2	8	-2	-1	3	23	1993	0.83	201	19	7	-5	-5	72	11

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		intense potassic alteration is granular and somewhat intrusive in appearance. Gypsum occurs as fracture fillings and appears to be preferentially oriented at approx. 60 deg. to core axis.	37079	156.00	157.00	1.00	100	810	0.028	1.7	31	-2	-1	9	24	1402	2.70	256	15	11	6	-5	98	21
			37080	157.00	160.00	3.00	100	67	0.003	0.5	-5	-2	-1	4	28	738	1.27	205	8	11	-5	6	105	15
		150.82m - 2cm chalcopyrite vein at 60 deg. to core axis.																						
		154.4-154.85m - Shear zone with gouge at contacts.																						
		156.33-156.60m - Siliceous zone with 10% chalcopyrite. 155.7m - Bornite blebs.																						
		163.1-163.18m - 10-15% disseminated chalcopyrite and pyrite.	37081	160.00	163.00	3.00	100	70	0.002	-0.5	-5	-2	-1	2	19	76	0.92	181	-1	7	-5	-5	84	14
		164.3m - Bornite blebs.	37082	163.00	164.00	1.00	100	408	0.016	2.3	30	-2	-1	9	28	3133	2.13	258	3	8	-5	-5	83	18
		164.57m - Chalcopyrite blebs.	37083	164.00	165.00	1.00	100	197	0.006	2.2	12	-2	-1	6	24	1433	2.15	329	-1	10	-5	-5	84	21
		171.25-171.4 - Rounded pink feldspar phenos (?) with chlorite matrix.	37084	165.00	168.00	3.00	100	86	0.003	-0.5	10	-2	-1	4	30	510	0.98	214	-1	11	-5	8	82	16
			37085	168.00	171.00	3.00	100	13	-0.002	-0.5	20	4	-1	4	28	89	1.05	284	-1	7	-5	-5	97	25
		Intrusive material? 20% disseminated chalcopyrite and pyrite. Dacite (?).	37086	171.00	172.00	1.00	100	460	0.014	1.0	27	-2	-1	5	30	992	1.23	227	4	7	8	-5	77	22
			37087	172.00	173.00	1.00	100	16	-0.002	-0.5	7	-2	-1	2	20	12	0.63	127	-1	9	-5	-5	63	11
			37088	173.00	176.00	3.00	100	25	-0.002	-0.5	-5	-2	-1	5	26	77	1.18	232	4	8	-5	-5	101	19
			37089	176.00	179.00	3.00	100	73	0.002	-0.5	-5	-2	-1	4	19	175	0.97	200	1	5	-5	-5	92	13
179.00	194.50	PLAGIOCLASE-HORNBLENDE ANDESITE.	37090	179.00	182.00	3.00	100	86	0.003	1.2	-5	-2	-1	7	25	491	2.57	331	-1	7	-5	7	102	22
		Predominantly dark grey in colour. Fine to medium grained with well developed hornblende laths to 3mm in a dark grey quartz-feldspathic matrix.	37091	182.00	185.00	3.00	100	143	0.005	1.4	-5	-2	-1	7	27	1029	2.63	252	-1	8	-5	-5	120	16
			37092	185.00	186.00	1.00	100	20	-0.002	1.0	-5	-2	-1	6	28	57	2.32	332	-1	15	-5	-5	112	20
			37093	186.00	187.00	1.00	100	5590	0.145	7.3	-5	5	-1	5	25	4613	2.50	314	3	11	9	-5	95	26
			37094	187.00	188.00	1.00	100	426	0.015	1.7	17	-2	-1	6	26	2284	2.66	358	-1	14	-5	-5	109	27
		Potassic alteration occurs as patches within matrix and bounding gypsum filled fractures. The latter are ubiquitous through the core. Local bleaching. Increased potassium alteration noted with depth.	37095	188.00	189.00	1.00	100	251	0.007	0.6	14	-2	-1	5	24	648	1.65	284	1	11	-5	5	82	22
			37096	189.00	190.00	1.00	100	180	0.007	1.2	-5	-2	-1	5	26	1590	1.80	299	5	10	-5	-5	95	18
			37097	190.00	192.00	2.00	100	25	-0.002	-0.5	8	-2	-1	6	23	82	1.85	335	1	11	-5	-5	98	22
			37098	192.00	194.50	2.50	100	26	-0.002	0.7	-5	-2	-1	5	31	112	1.58	318	-1	10	-5	5	99	21
		186.7 - 186.9m - Mineralized. Azurite staining on fractures at 186.7m.																						
		At 186.9m chalcopyrite is found in																						

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		quartz vein with bounding potassic alteration. 188.83m - 1.5cm chalcopyrite, veinlet with quartz and bounding potassic alteration.																						
194.50	209.39	DACITE? ANDESITE BRECCIA?? Medium brown in colour. Contains occasional xenoliths of dark grey siliceous andesite to 197 ft. Comprises subrounded fragments of feldspathic material to 1.5cm often containing hornblende laths to 1mm in a fine grained matrix. Intrusive in appearance but possibly brecciated andesite. Many fragments show altered selvages. Moderately silicified. - Ubiquitous gypsum as fracture fillings. - 194.9m - Chalcopyrite veinlets. - 197.06m - Fluorite bleb. - 200.3-200.8 - Gypsum vein parallel to core axis. - 205-206m - Shear at 205m. Bleached with gypsum veins.	37099	194.50	195.50	1.00	100	449	0.017	0.9	14	-2	-1	4	26	478	1.54	295	2	10	-5	5	86	18
			37100	195.50	197.00	1.50	100	114	0.005	1.2	7	-2	-1	5	27	1898	1.69	306	1	9	-5	11	80	19
			37301	197.00	199.00	2.00	100	23	-0.002	-0.5	5	-2	-1	5	18	40	1.35	329	-1	9	-5	7	72	19
			37302	199.00	201.00	2.00	100	21	0.002	-0.5	17	-2	-1	3	27	26	0.70	231	-1	9	-5	10	56	10
			37303	201.00	204.00	3.00	100	76	0.003	-0.5	8	-2	-1	5	25	191	1.27	239	-1	11	-5	5	72	14
			37304	204.00	207.00	3.00	100	19	-0.002	-0.5	-5	-2	-1	5	25	90	1.30	319	-1	8	-5	-5	57	15
			37305	207.00	209.39	2.39	100	10	-0.002	0.5	-5	-2	-1	6	23	64	1.49	301	-1	10	-5	-5	92	18
		End of Hole.																						

SUMMARY:

0-15.54m - Overburden and casing.
15.54-52.0m - Plagioclase-hornblende Andesite. Up to 4% chalcopyrite and pyrite from 28m to 34.8m.

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		52.0-72.5m - Altered mineralized andesite. Brecciated gypsum healed. Pervasive potassium alteration, 1-5% sulphides (60-70% pyrite, 30-40% chalcopyrite).																						
		72.5-76.6m - Andesite fine grained.																						
		76.7-123.67m - Altered andesite. Silicified with pervasive potassium-alteration. 1-2% chalcopyrite from 120.77-122.																						
		123.67-136.5m - Altered andesite. Patchy potassium alteration.																						
		136.5-149.3 - Sheared altered andesite. Angular to rounded fragments in clayey matrix. Pervasive potassium alteration.																						
		149.3-179m - Altered andesite. Similar to 123.67 to 136.5m. Occasional chalcopyrite.																						
		194.5-209.39m - Dacite?, Sub rounded "ghost" potassium feldspar phenos or potassium altered material in a fine grained siliceous matrix.																						
		209.39m - End of Hole.																						

321-2

Discovery Consultants

Drill Log

Co-ords: 99 + 00N
103 + 75E
Azimuth: 270 deg.
Dip: -45 deg.
Elevation: ~ 1,335m

Length: 227.06m
Section:
Purpose: Test IP high & mineralized zone near top of hole 80-1

Drill type & size: NQ to 121.3m,
BQ 121.3m to EOH
Dip tests: none taken

Hole No: 321-2
Property: Man

Location: Man Property
Date St.:
Date Fin: Dec. 13, 1988.
Logged by: T. Carpenter

Date Logged: Dec. 14, 1988.

Interval From	To	Description	Sample ID	Sample From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	15.54	Overburden and casing.																						
15.54	35.00	ALTERED QUARTZOFELDSPATHIC ROCK. DACITE? Possible intrusive - Medium grained. Comprises quartz phenocrysts and fragments in a bleached altered clayey feldspathic (argillic) matrix. - Occasional rounded fine grained quartz feldspathic material is noted locally. Chloritized mafic material.																						
		15.54-31.0' - Heavily fractured rock with clay common on fractures.	37306	15.54	17.00	1.46	50	9	-0.5	19	-2	-1	53	24	109	1.89	366	-1	15	-5	8	194	26
			37307	17.00	19.00	2.00	90	14	0.7	27	-2	-1	20	29	245	2.98	321	-1	13	-5	-5	217	23
		15.54-20.0' - Hematized fractures with disseminated hematite blebs after pyrite.	37308	19.00	20.00	1.00	90	19	0.8	11	-2	-1	20	29	998	1.65	318	7	11	-5	-5	213	19
			37309	20.00	21.00	1.00	90	-5	-0.5	21	-2	-1	13	35	2558	0.64	274	3	9	-5	-5	172	22
			37310	21.00	22.00	1.00	90	41	-0.5	12	-2	-1	5	37	1077	0.51	193	10	10	-5	5	101	21
		20.0-26.0' - Manganese on fractures. Occasional malachite on fractures from 20.3 to 23.0.	37311	22.00	23.00	1.00	90	68	0.5	9	-2	-1	4	33	866	1.04	404	56	9	-5	-5	181	24
			37312	23.00	24.00	1.00	90	15	-0.5	8	-2	-1	5	31	341	1.12	460	26	5	-5	7	232	27
			37313	24.00	26.00	2.00	90	21	-0.5	-5	-2	-1	5	46	182	1.06	421	172	6	6	11	222	23
			37314	26.00	28.00	2.00	90	14	-0.5	-5	-2	-1	7	38	442	1.14	404	12	4	-5	-5	199	26
		31.0-35.0m - Darker grey in colour.	37315	28.00	30.00	2.00	90	19	-0.5	43	-2	-1	-1	42	85	1.39	373	4	2	45	-5	162	66

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Heavily fractured. Composed of quartz and clay altered feldspar. Probably altered silicified potassium-altered rock. No mafics evident. Clay common in matrix and on fractures. Occasional malachite stains on fractures. 32.9-33.1m - Hematitic core with minor disseminated pyrite.	37316	30.00	31.00	1.00	90	88		-0.5	24	-2	1	-1	30	566	1.81	409	4	8	7	-5	178	29
			37317	31.00	32.00	1.00	85	25		-0.5	16	-2	-1	-1	31	359	2.01	468	2	13	-5	5	173	29
			37318	32.00	33.00	1.00	85	88		0.6	12	-2	-1	-1	25	1461	2.33	444	4	13	5	-5	220	30
			37319	33.00	34.00	1.00	80	98		-0.5	-5	4	-1	-1	31	2425	2.27	455	6	10	5	14	210	26
			37320	34.00	35.00	1.00	85	439		-0.5	21	-2	-1	-1	32	944	1.91	425	2	9	-5	7	165	26
35.00	41.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Moderately fractured to locally heavily fractured. Brownish grey in colour. Fine to medium grained. - Moderately siliceous with pervasive moderate potassic alteration. Gypsum on occasional hairline fractures. Clay on fractures in broken zones. - Minor disseminated pyrite with minor chalcopyrite.	37321	35.00	36.00	1.00	85	321		-0.5	31	-2	-1	-1	35	855	2.72	459	2	10	-5	8	179	30
			37322	36.00	37.00	1.00	80	34		-0.5	23	-2	-1	-1	30	118	2.15	436	-1	9	-5	-5	187	28
			37323	37.00	38.00	1.00	85	32		-0.5	22	-2	-1	-1	33	450	2.44	422	-1	7	-5	13	189	26
			37324	38.00	39.00	1.00	85	51		-0.5	7	-2	-1	11	20	462	2.00	395	-1	7	-5	8	168	23
			37325	39.00	40.00	1.00	90	-5		-0.5	-5	-2	1	8	22	40	1.89	411	2	6	-5	-5	160	25
			37326	40.00	41.00	1.00	90	39		-0.5	40	-2	-1	9	19	532	2.20	474	5	4	-5	9	154	29
41.00	54.00	PLAGIOCLASE-HORNBLENDE ANDESITE. Porphyritic with hornblende laths and feldspar phenos to 1-2mm in a fine grained feldspathic matrix. Medium to dark grey in colour. - Locally weak to moderate potassic alteration adds a brownish colour to the core. Hornblende locally chloritized. - Gypsum occurs healing hairline fractures and as occasional veinlets. - Pyrite occurs as disseminations to 3-4% in localized alteration zones. - Moderately fractured throughout section with gouge from 52 to 53.3m. 45.0-47.0m - Slightly bleached, silicified core. Moderate potassic alteration. 5-	37327	41.00	43.00	2.00	90	27		-0.5	8	-2	-1	13	16	585	4.44	709	-1	5	-5	11	153	36
			37328	43.00	45.00	2.00	90	9		-0.5	10	-2	-1	15	13	756	4.74	638	-1	6	5	-5	179	29
			37329	45.00	46.00	1.00	95	134		1.2	12	4	-1	16	15	1015	4.79	683	-1	5	5	6	173	42
			37330	46.00	47.00	1.00	95	143		1.1	-5	-2	-1	15	10	1404	4.44	612	-1	4	8	-5	150	37

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		7% pyrite to 46m. 2-3% pyrite from 46.0-47.0m.																						
		47.0-49.0m - Heavily fractured core with	37331	47.00	49.00	2.00	90	78		1.2	26	6	-1	13	9	5328	3.85	585	1	-1	6	14	118	49
		<1% pyrite.	37332	49.00	52.00	3.00	75	225		2.3	39	6	-1	63	9	7898	5.23	550	13	5	15	-5	124	41
		50.0-52.0m - Heavily fractured core with gouge material from 50.5-51.0m.	37333	52.00	54.00	2.00	80	84		-0.5	7	-2	-1	14	11	1284	3.15	593	8	5	-5	6	134	60
		52.0-53.34 - Clay and gouge.																						
54.00	88.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. As above in texture. However section is much more competent and overall is moderately silicified (?). - contains sections of brownish potassically altered rock. These frequently contain disseminated and vein controlled pyrite. - Gypsum is common healing hairline fractures and as occasional veinlets to approx. 5mm. - Minor gouge locally.																						
		54.0-54.15m - 7-10% disseminated pyrite.	37334	54.00	55.00	1.00	95	36		1.1	-5	-2	1	16	11	1636	4.37	669	-1	4	9	8	126	48
		57.1-57.2m - Gouge zones.	37335	55.00	58.00	3.00	95	47		0.9	20	-2	-1	14	16	992	4.15	722	-1	8	-5	-5	133	59
		57.9-58.0m - Gouge zones.	37336	58.00	61.00	3.00	95	52		-0.5	-5	6	-1	14	17	1137	4.05	657	-1	3	-5	-5	117	53
		59.2-59.4m - Gouge and clay on fractures.																						
		61.5-64.0m - Brown potassium altered	37337	61.00	62.00	1.00	95	132		1.1	-5	5	-1	15	9	2110	3.69	625	2	5	-5	-5	136	52
		rock with 3-5% pyrite as disseminations	37338	62.00	63.00	1.00	95	1649	0.052	4.7	36	16	-1	39	15	4186	7.36	461	2	7	20	12	150	36
		and veinlets to 7mm., the latter at 10	37339	63.00	64.00	1.00	90	203		1.2	-5	-2	-1	16	11	967	4.25	603	-1	8	11	10	147	47
		deg. to core axis.	37340	64.00	66.00	2.00	95	31		0.9	43	-2	-1	12	8	751	3.18	570	1	3	-5	-5	116	58
		64.0-69.0m - Brownish moderate potassium	37341	66.00	67.00	1.00	100	23		-0.5	19	-2	-1	12	16	1653	2.29	500	-1	4	-5	-5	161	32
		alteration with "ghost" potassium	37342	67.00	68.00	1.00	100	42		1.0	14	-2	-1	13	16	3574	2.82	508	-1	5	-5	7	185	35
		feldspars at 66.9m. Occasional	37343	68.00	69.00	1.00	100	31		-0.5	7	-2	-1	13	11	2031	2.73	478	2	7	-5	12	173	37
		chalcopyrite blebs.	37344	69.00	70.00	1.00	100	35		0.6	-5	-2	1	14	11	1143	3.44	525	3	6	-5	9	163	35
		69.0-71.5m - Dark grey siliceous rock.	37345	70.00	71.50	1.50	100	10		0.6	27	-2	-1	15	15	620	3.99	507	-1	6	-5	-5	159	36
		Chalcopyrite blebs from 69.0-70.0m. Gouge and broken core at 71.5m.																						

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		71.5-83.5m - Predominantly brown grey	37346	71.50	73.00	1.50	100	23		-0.5	32	-2	-1	11	9	682	2.72	576	3	8	-5	7	159	40
		rock with moderate potassic alteration.	37347	73.00	76.00	3.00	100	30		0.8	-5	3	1	11	12	2943	3.08	551	2	4	-5	9	159	46
		Increase in fracturing and gypsum filled	37348	76.00	78.00	2.00	80	198		-0.5	11	-2	-1	11	10	769	2.66	473	-1	6	-5	8	136	33
		hairline fractures noted.																						
		73.2-73.5m - Broken core and gouge.																						
		77.0-78.0m - Broken core. 60% recovery.																						
		78.9m - Chalcopyrite veinlets.	37349	78.00	79.00	1.00	100	602		0.6	-5	-2	-1	10	10	2430	4.20	655	1	6	11	-5	159	58
		80-81.0m - 2-3% disseminated pyrite.	37350	79.00	80.00	1.00	100	403		0.8	32	4	-1	14	12	1309	4.06	616	-1	7	5	8	163	51
		83-83.5m - Broken core with gouge.	37351	80.00	81.00	1.00	100	176		-0.5	25	-2	-1	11	10	532	4.09	615	2	9	-5	-5	174	50
		83.5-88.0m - Pinkish brown moderately	37352	81.00	83.00	2.00	100	565		0.9	37	3	-1	12	10	2084	4.93	715	-1	8	-5	9	165	51
		siliceous rock with intense potassic	37353	83.00	85.00	2.00	100	654		-0.5	59	-2	-1	10	12	838	3.53	722	-1	9	-5	-5	169	50
		alteration. Bounded by minor shear at	37354	85.00	88.00	3.00	100	963	0.029	-0.5	15	-2	-1	10	17	419	3.19	648	-1	8	-5	7	191	45
		88.0m.																						
88.00	114.00	ANDESITE BRECCIA (?) WITH PORPHYRY																						
		Zones. Mottled brownish grey to dark																						
		grey in colour.																						
		Comprises brecciated (?) potassic																						
		material in a fine grained chloritic																						
		matrix with intercalated fine grained																						
		andesitic material. Contains occasional																						
		narrow (to 0.2m) zones of porphyry with																						
		rounded "ghost" potassium feldspar																						
		phenos as in 321.1 from 194.5m - Dacite																						
		(?)																						
		- Moderately to highly silicified with																						
		moderate potassic alteration.																						
		- Variable sulphide content as described																						
		below.																						
		- Gypsum common as fracture filling to																						
		1-2mm in thickness.																						
		88-89.5m - Brown grey andesite. Weak	37355	88.00	89.50	1.50	100	5108	0.151	1.8	-5	7	-1	10	11	9708	3.60	669	3	7	18	-5	116	51
		potassium alteration. Occasional	37356	89.50	90.50	1.00	100	136		-0.5	26	4	-1	15	13	811	4.44	769	1	12	-5	-5	176	54
		chalcopyrite blebs.	37357	90.50	91.50	1.00	100	125		-0.5	14	3	-1	13	18	922	3.91	753	-1	7	-5	-5	197	53
		89.5-91.9m - Breccia (?) Mottled. 7-10%	37358	91.50	91.90	0.40	100	258		-0.5	-5	4	-1	16	18	1029	4.67	685	-1	8	-5	6	198	42

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		disseminated pyrite. Fragments to 1.5cm. Potassium alteration. Brown grey fragments in chlorite matrix.																						
		91.9-97.1m - Intercalated fine grained	37359	91.90	93.00	1.10	100	316		-0.5	23	-2	-1	9	16	359	4.03	814	-1	8	-5	-5	161	47
		black silicified andesite and siliceous-	37360	93.00	94.00	1.00	100	418		0.7	42	5	-1	15	11	1715	3.69	734	-1	5	-5	-5	130	45
		potassic breccia/porphyry material. The	37361	94.00	95.00	1.00	100	783		1.2	-5	-2	-1	-1	12	2038	4.49	651	-1	6	-5	6	132	51
		latter commonly contain 3-6%	37362	95.00	96.00	1.00	100	1701	0.046	2.8	41	-2	-1	-1	14	10928	3.87	534	-1	5	12	-5	122	37
		disseminated pyrite. 96.05-96.5m -	37363	96.00	97.10	1.10	100	81		-0.5	40	3	-1	-1	22	316	4.43	583	-1	7	-5	12	160	33
		Fault zone with clay.																						
		97.1-99.1m - Highly siliceous, potassic	37364	97.10	98.10	1.00	100	118		0.8	23	-2	-1	-1	21	476	5.18	746	-1	7	-5	-5	187	47
		breccia with fragments to 4-6cm with	37365	98.10	99.10	1.00	100	187		1.3	22	3	-1	-1	22	1449	4.79	836	-1	8	10	-5	160	48
		interstitial 4-7% disseminated pyrite.																						
		Brown grey colour.																						
		99.1-114.0m - As from 91.9 to 97.1m with	37366	99.10	101.00	1.90	100	41		1.0	39	-2	-1	-1	17	1603	4.33	797	7	8	-5	6	150	44
		increased black silicified andesite.	37367	101.00	103.00	2.00	100	21		0.8	16	7	-1	-1	16	1236	4.43	791	8	4	6	-5	163	52
		Decreased alteration in potassic zones.	37368	103.00	105.00	2.00	100	32		0.9	19	-2	-1	-1	19	1700	3.77	806	-1	5	-5	10	143	43
		Up to 20% disseminated pyrite in zones	37369	105.00	107.00	2.00	100	97		-0.5	7	-2	-1	-1	19	643	5.01	750	-1	7	-5	9	170	40
		to 0.2m.	37370	107.00	107.59	0.59	100	67		0.9	26	7	-1	-1	16	122	4.95	812	-1	6	-5	18	145	61
		- Hairline fractures gypsum healed.	37371	107.59	108.70	1.11	95	109		0.7	41	4	-1	-1	22	349	5.42	663	-1	7	-5	-5	152	40
		106.15-106.45m - Rounded potassic fragments in siliceous chloritic matrix.																						
		107.59-108.7m - Broken core with gouge. Bleached clay altered pyritic rock. Fault zone.																						
		108.7-110m - Siliceous zone with 20%	37372	108.70	109.30	0.60	100	82		1.0	31	4	-1	-1	22	1412	5.20	557	-1	8	5	-5	147	30
		disseminate pyrite to 1-2mm.	37373	109.30	110.00	0.70	100	67		-0.5	31	-2	-1	-1	26	346	6.05	715	-1	6	-5	9	182	37
		111.0-111.3m - Fault zone. Gouge and	37374	110.00	111.00	1.00	100	364		0.6	27	2	-1	-1	27	1352	4.86	801	-1	5	-5	9	154	49
		clay. Graphitic.	37375	111.00	111.86	0.86	90	107		-0.5	-5	-2	1	-1	15	838	4.41	731	1	6	-5	-5	151	47
		111.86m - Change from NQ to BQ core due	37276	111.86	113.00	1.14	90	1940	0.069	1.2	28	-2	-1	11	21	2208	4.21	645	-1	8	847	6	138	55
		to fault zone.	37277	113.00	114.00	1.00	100	242		0.7	11	6	-1	11	21	1128	4.84	729	-1	5	-5	-5	161	46
114.00	118.90	ANDESITE BRECCIA (?) DACITE ?	37278	114.00	115.00	1.00	100	178		-0.5	11	3	-1	9	20	670	4.92	618	-1	8	41	-5	150	39
			37279	115.00	116.00	1.00	100	190		0.5	20	-2	-1	10	13	216	5.13	556	1	6	5	-5	144	35
		Comprised of fragmental pinkish brown	37280	116.00	117.00	1.00	100	101		0.5	-5	2	1	9	19	80	5.52	692	-1	8	13	-5	148	37
		potassically altered material in a fine	37281	117.00	118.00	1.00	100	574		0.7	-5	4	-1	12	12	2670	4.28	795	-1	8	7	11	134	58
		grained dark grey to green silicified	37282	118.00	118.90	0.90	100	386		1.3	32	5	-1	16	13	802	4.95	608	-1	3	10	-5	118	41

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		matrix. Similar to section from 97.1 to 99.1m with much smaller fragments (to 1.5cm). Contains 5-7% rounded and angular disseminated pyrite in matrix. Little gypsum evident.																						
118.90	121.40	PLAGIOCLASE-HORNBLENDE ANDESITE. Dark grey to greenish grey. Moderately silicified. Comprises plagioclase phenos to 2-3mm in a fine grained matrix. Hornblende largely chloritized.	37283	118.90	120.00	1.10	100	940	0.031	0.5	16	-2	-1	12	9	946	4.61	808	-1	6	-5	-5	131	55
			37284	120.00	121.40	1.40	100	193		-0.5	6	2	-1	10	10	265	4.21	864	2	5	-5	-5	117	63
121.40	124.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. - As above. Intense potassic alteration to 122.5m. Epidotized from 122.5-122.7m. Weakly to moderately epidotized and grey green to cream in colour from 122.7 to 123.55 with occasional disseminated pyrite. Kaolinitic clay from 123.55 to 124.	37285	121.40	122.50	1.10	100	51		-0.5	10	-2	1	10	16	54	4.76	722	-1	3	6	9	93	48
			37286	122.50	123.50	1.00	100	92		1.1	17	2	-1	12	15	365	4.34	693	-1	3	12	5	79	42
			37287	123.50	124.00	0.50	100	358		0.6	-5	3	-1	7	11	172	3.00	637	-1	4	8	7	67	49
124.00	125.75	PLAGIOCLASE-HORNBLENDE ANDESITE. As from 118.9 to 121.4m. Very little sulphide material (<1/2%).	37288	124.00	125.75	1.75	100	446		-0.5	29	-2	-1	12	11	110	4.23	769	-1	7	-5	-5	145	83
125.75	131.5	PLAGIOCLASE-HORNBLENDE. ANDESITE DACITE? PORPHYRY? Similar in composition but coarser grained than plagioclase-hornblende andesite. Contains angular to subrounded plagioclase phenos to 4-e5mm and hornblende laths to 3mm in a fine grained feldspathic matrix. Medium grey to brownish grey in colour.	37289	125.75	128.50	2.75	100	14		-0.5	6	3	-1	11	40	19	2.96	656	-1	5	-5	7	59	50
			37290	128.50	131.50	3.00	100	10		-0.5	17	-2	-1	11	38	12	2.87	618	-1	8	-5	-5	49	53

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		- Local weak potassic alteration. - Ubiquitous gypsum healing hairline fractures.																						
131.50	156.00	ANDESITE.	37291	131.50	134.00	2.50	100	34		-0.5	-5	-2	-1	12	9	209	4.85	815	1	6	-5	-5	111	70
		Relatively fine grained dark green to	37292	134.00	137.00	3.00	100	850	0.034	-0.5	28	-2	-1	11	17	260	4.36	750	-1	5	8	-5	155	83
		dark grey with chloritized mafic phenos	37293	137.00	140.00	3.00	100	419		-0.5	21	2	-1	10	12	100	5.22	937	-1	5	-5	-5	158	88
		to 1mm.	37294	140.00	141.50	1.50	100	51		-0.5	35	-2	-1	10	23	57	4.54	836	-1	4	-5	-5	162	78
		Much finer grained than porphyritic	37295	141.50	143.00	1.50	100	145		-0.5	-5	-2	-1	15	23	299	5.14	910	-1	6	-5	-5	167	91
		plagioclase-hornblende andesite up hole.	37296	143.00	145.00	2.00	100	142		-0.5	27	-2	-1	16	30	684	4.69	705	-1	6	-5	6	169	68
		Contains local pyrite concentrations to 7% over approx. 10cm. Pyrite to 1mm. Bleached to 134m.																						
		- Core becomes more porphyritic from approx. 142-146m. Plagioclase phenos to 2mm and hornblende laths to 2-3mm. Moderate to heavy fracturing from 148.5 to 156m.																						
		146.3m - Minor gouge.	37297	145.00	148.00	3.00	100	44		-0.5	41	-2	-1	13	13	186	4.36	677	-1	6	-5	-5	169	81
		148.7-150m - Broken core. Fault zone.	37298	148.00	151.00	3.00	100	49		-0.5	29	11	-1	13	11	202	4.86	630	-1	8	-5	8	181	82
		151.4-156m - Breccia zone. Broken core	37299	151.00	153.00	2.00	95	75		-0.5	31	-2	-1	13	8	196	4.62	671	-1	4	-5	12	190	70
		cemented by white to pink quartz	37300	153.00	155.00	2.00	90	68		-0.5	85	7	-1	15	10	319	4.86	630	-1	5	-5	-5	152	68
		feldspathic material and gypsum. Broken	99676	155.00	156.00	1.00	95	136		1.1	33	-2	-1	16	13	159	5.77	549	-1	2	10	-5	142	45
		core. Fractures parallel to core axis. 155-156m - 10-15% pyrite.																						
156.00	212.30	PLAGIOCLASE-HORNBLENDE ANDESITE.	99677	156.00	159.00	3.00	95	61		0.7	70	4	-1	15	13	339	4.67	693	-1	6	-5	-5	172	74
		Gradational contact. Comprises	99678	159.00	162.00	3.00	95	77		-0.5	58	3	-1	12	13	212	3.85	711	-1	2	-5	6	171	96
		plagioclase and hornblende phenos to	99679	162.00	165.00	3.00	95	41		-0.5	-5	4	-1	12	14	116	3.72	721	-1	2	-5	-5	150	100
		2mm in a dark grey feldspathic matrix.	99680	165.00	168.00	3.00	95	104		-0.5	-5	3	-1	13	10	221	3.84	828	-1	1	-5	-5	158	124
		Frequent gypsum filled fractures to 3-	99681	168.00	171.00	3.00	95	36		-0.5	29	-2	-1	13	11	138	3.81	731	-1	3	-5	6	175	76
		4mm in thickness. Gypsum white and pink in colour.	99682	171.00	174.00	3.00	100	10		-0.5	62	-2	-1	13	10	122	3.95	817	-1	3	-5	-5	177	92
		- Weakly to moderately silicified. - Moderately fractured to 159m																						

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		158.95-159.05m - Pink potassium feldspar and quartz material as vein at 45 deg. to core axis. Dacite.																						
		175.7m - 1cm quartz and feldspar vein	99683	174.00	177.00	3.00	100	30		-0.5	19	2	-1	13	11	422	4.02	835	-1	3	-5	7	183	77
		with epidote.	99684	177.00	180.00	3.00	95	34		-0.5	-5	6	-1	15	10	343	4.15	743	-1	7	-5	-5	182	48
		176.5-177.7m - Broken core. Fault zone.	99685	180.00	183.00	3.00	100	67		-0.5	57	-2	-1	13	12	275	4.09	667	-1	4	-5	-5	186	44
		178.1-179.2m - Broken core. Hematite on occasional fractures.																						
		182.5-284.2m - Weakly to moderately	99686	183.00	186.00	3.00	100	26		-0.5	6	-2	-1	14	11	143	3.93	758	-1	5	-5	7	185	61
		epidotized core. Ubiquitous gypsum from	99687	186.00	189.00	3.00	100	28		-0.5	18	4	-1	11	12	113	4.00	672	-1	3	-5	-5	191	56
		183.5m.	99688	189.00	192.00	3.00	100	45		-0.5	24	-2	-1	12	12	158	4.07	681	-1	6	-5	14	189	51
		187m - Gypsum filled fractures at 60-65	99689	192.00	195.00	3.00	100	49		-0.5	56	-2	-1	12	12	219	4.03	731	-1	5	-5	-5	184	52
		deg. to core axis.	99690	195.00	197.00	2.00	100	49		-0.5	54	-2	-1	11	11	201	3.76	692	-1	4	-5	-5	187	60
		187.0-189.0m - Weakly epidotized.	99691	197.00	198.00	1.00	100	70		-0.5	71	7	-1	13	13	728	4.40	613	-1	6	-5	8	197	68
		197.5-197.65m - Bleached with 3-5%	99692	198.00	201.00	3.00	100	38		-0.5	-5	5	-1	12	9	216	4.31	714	-1	8	-5	-5	206	60
		pyrite.	99693	201.00	204.00	3.00	90	232		-0.5	43	-2	-1	14	8	370	4.26	830	-1	8	-5	6	152	55
		201.0-204.5m - Fractured rock with ubiquitous gypsum healing fractures.																						
		203.25-203.4m - Clay seam.																						
		204.5-210.5m Fault zone. Heavily	99694	204.00	207.00	3.00	85	11		-0.5	22	3	-1	11	7	258	4.06	861	-1	6	-5	-5	152	55
		fractured core with slickenside on	99695	207.00	210.00	3.00	85	10		-0.5	36	-2	-1	13	8	136	4.23	869	-1	4	-5	9	171	65
		fractures. Ubiquitous gypsum healed	99696	210.00	212.30	2.30	90	150		-0.5	5	2	-1	13	7	137	4.07	830	-1	6	-5	-5	163	61
		fractures. Minor local pyrite.																						
		210.5-212.3m - Moderately fractured. Decreased gypsum on fractures.																						
212.30	227.06	ANDESITE.																						
		As from 131.5-156.0m. Relatively fine	99697	212.30	215.00	2.70	100	35		-0.5	31	3	-1	13	11	282	4.09	888	-1	1	-5	-5	184	45
		grained dark green to dark grey rock.	99698	215.00	218.00	3.00	100	61		-0.5	19	-2	-1	13	10	379	4.28	793	-1	3	-5	-5	198	36
		No hornblende phenos evident. Locally	99699	218.00	221.00	3.00	100	167		-0.5	15	-2	-1	13	9	149	4.36	850	-1	8	-5	-5	187	47
		epidotized. Sharp decrease in gypsum	99700	221.00	224.00	3.00	100	82		-0.5	-5	11	-1	23	11	312	4.98	920	-1	-1	-5	-5	192	77
		noted on fractures.																						
		214.8-215m - Epidotized core.																						
		220.05-220.3m - Epidotized core.																						
		223.7-224.2m - Weakly epidotized.																						
		224.2-227.06m - Weak potassic	99701	224.00	225.00	1.00	100	14		-0.5	16	10	-1	13	10	442	4.55	969	-1	3	-5	-5	167	78

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		alteration. 225.0-227.06m - Fault zone. Heavily fractured with occasional clay.	99702	225.00	227.06	2.06	65	25		-0.5	9	-2	-1	12	12	297	4.01	732	-1	6	-5	9	135	65
227.06		End of Hole. Hole terminated due to problems in fault zone.																						
		SUMMARY: 0-15.54m - Overburden and casing. 15.54-35m - Altered quartzofeldspathic intrusive (?) Dacite? Plagioclase-hornblende andesite porphyry clay altered. Minor malachite on fractures. 35-41m - Altered plagioclase-hornblende andesite - Pervasive potassium alteration. 41.0-54.0m - Plagioclase-hornblende andesite. 54.0-88.0m - Altered plagioclase-hornblende andesite. Patchy potassium alteration. Occasional veins of dacite (?) with "ghost" potassium feldspar phenos as in 321-1. Chalcopyrite blebs 64.0-69.0m. Disseminated pyrite from 61.5-64.0 and 80-81m. 88.0-114.0- Andesite breccia with porphyry containing "ghost" potassium feldspar phenos. 7-10% pyrite from 89.5-91.9m and local pyrite to 20%. Graphitic shear from 111-111.3m. 114.0-118.9m - Andesite breccia. 118.9-121.4m - Plagioclase-hornblende andesite. Potassium altered and epidotized. 124.0-125.75m - Plagioclase-hornblende																						

SUMMARY: (continued)

andesite. As from 118.9-121.4m.
125.75-131.5m - Andesite porphyry.
131.5-156.0m - Andesite. Fine grained.
156-212.3m - Plagioclase-hornblende andesite.
212.3-227.06m - Andesite. Fine grained.
Overall gypsum content and potassium alteration decreased sharply from 321-1.

321-3

Discovery Consultants

Drill Log

Co-ords: 99 + 00N
105 + 45E
Azimuth: 0
Dip: -90 deg.
Elevation: ~1360m

Length: 160.01m
Section:
Purpose: Test IP high

Drill type & size: NQ

Dip tests: none taken

Hole No: 321-3
Property: Man

Location: Man Property
Date St.: Dec. 13, 1988.
Date Fin: Dec. 18, 1988
Logged by: T. Carpenter

Date Logged: Dec. 19, 1988.

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	18.29	Overburden and casing.																					
18.29	31.40	PLAGIOCLASE-HORNBLENDE ANDESITE. Weakly to moderately silicified. Dark grey to greenish grey in colour. Composed of 40% porphyritic plagioclase to 1-2mm and 5-7% hornblende laths to 3mm in a fine grained quartz-feldspathic matrix. - Heavily fractured core with limonite and occasional hematitic clay on most fractures. - Minor gypsum healing hairline fractures. - Locally epidotized matrix.	99703	18.29	21.00	2.71	80	-5	2.0	91	-2	-1	10	28	14	3.55	583	-1	8	-5	10	143	46
			99704	21.00	24.00	3.00	80	-5	0.6	82	-2	-1	12	36	9	3.77	567	-1	4	-5	9	157	48
			99705	24.00	27.00	3.00	80	-5	0.7	34	-2	-1	17	11	18	3.65	830	-1	10	-5	7	109	111
		24.6-24.9 - Hematized clay material.	99706	27.00	30.00	3.00	80	-5	-0.5	42	3	-1	12	17	27	3.72	796	2	11	-5	-5	114	84
		25.2-26.0 - Epidotized clay altered matrix.	99707	30.00	31.40	1.40	80	-5	-0.5	-5	-2	-1	11	13	37	3.59	919	-1	9	-5	14	115	85
31.40	47.24	PLAGIOCLASE - HORNBLENDE ANDESITE PORPHYRY? Highly fractured. Similar	99708	31.40	34.00	2.60	80	11	-0.5	81	-2	-1	13	11	34	3.73	859	-1	11	-5	12	94	108
			99709	34.00	37.00	3.00	70	6	-0.5	48	9	-1	11	11	25	3.55	798	-1	12	6	11	103	133

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		composition but coarser grained than	99710	37.00	40.00	3.00	45	7	0.8	26	-2	-1	14	11	19	3.59	728	-1	9	-5	9	105	87
		previous section. Coarse grained	99711	40.00	43.00	3.00	10	5	-0.5	57	3	-1	13	15	37	3.81	669	-1	12	-5	-5	143	52
		extrusive material or fine grained intrusive chloritic mafics and epidotized clay altered plagioclase phenos to 2-3mm.																					
		- Dark greenish grey in colour.																					
		- Heavily fractured with hematitic and limonitic fractures to 39m.																					
		38.71-41.76 - 2.8m lost core																					
		41.76-43.81 - 2.8m lost core																					
		43.81-45.72 - 0.9m lost core	99712	43.00	46.00	3.00	30	-5	-0.5	78	-2	-1	11	23	64	3.93	884	-1	10	-5	-5	156	65
		45.72-47.24 - 1.3m lost core	99713	46.00	47.24	1.24	15	8	0.5	27	-2	-1	8	13	50	3.38	1226	-1	8	-5	-5	126	68
47.24	51.00	ALTERED PYRITIC ANDESITE PORPHYRY?	99714	47.24	48.00	0.76	65	11	0.8	71	-2	-1	10	10	18	4.08	1439	-1	7	-5	6	85	69
		- Similar in composition to previous	99715	48.00	49.00	1.00	80	17	1.6	8	2	-1	13	8	18	4.64	1478	1	9	15	14	68	108
		sections. Moderately to heavily	99716	49.00	50.00	1.00	99	31	1.9	43	3	-1	12	11	67	4.55	1753	-1	10	15	-5	94	150
		fractured.	99717	50.00	51.00	1.00	98	14	0.9	69	3	-1	15	11	49	4.90	1688	-1	13	-5	8	76	112
		- Sericitic with 4-6% fine grained sericite in matrix. Chloritized mafic material. No phenocrysts evident.																					
		- 3-5% disseminated euhedral pyrite crystals to 3-4mm.																					
51.00	65.20	HORNBLENDE ANDESITE PORPHYRY. Medium to	99718	51.00	54.00	3.00	90	-5	-0.5	41	-2	-1	14	30	73	4.19	1980	-1	14	-5	-5	139	115
		dark greenish grey in colour. Moderately	99719	54.00	57.00	3.00	95	14	-0.5	79	10	-1	14	27	82	4.26	1764	2	12	-5	5	136	136
		to heavily fractured comprises well	99720	57.00	60.00	3.00	95	-5	-0.5	58	9	-1	13	30	62	3.82	1329	1	12	-5	-5	133	127
		developed hornblende laths to 5mm in a	99721	60.00	63.00	3.00	95	8	-0.5	91	3	-1	13	29	86	3.92	1287	-1	13	6	-5	132	154
		medium to dark greenish grey quartz	99722	63.00	65.20	2.20	90	8	-0.5	86	-2	-1	10	29	80	4.55	997	-1	12	-5	10	137	89
		feldspathic matrix.																					
		Plagioclase phenos poorly developed.																					
		- Some epidotization adjacent to fractures.																					
		- Minor quartz and gypsum and healing occasional fractures.																					

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
65.20	71.4	ALTERED PYRITIC ANDESITE PORPHYRY.	99723	65.20	66.00	0.80	95	9	-0.5	-5	3	-1	17	13	19	5.09	669	-1	7	-5	6	94	66
		Medium brownish grey in colour.	99724	66.00	67.00	1.00	90	20	-0.5	32	6	-1	11	13	12	4.09	477	-1	11	13	-5	79	163
		Moderately to heavily fractured.	99725	67.00	68.00	1.00	90	32	-0.5	37	5	-1	19	10	28	4.42	476	9	10	9	5	72	67
		- Pervasive sericitic alteration.	99726	68.00	69.00	1.00	85	18	-0.5	-5	-2	-1	13	13	34	3.91	604	1	9	-5	-5	92	90
		Chloritized mafic material. 5-7% pyrite	99727	69.00	70.00	1.00	90	11	-0.5	-5	3	-1	9	18	32	3.63	835	-1	11	-5	-5	139	69
		as disseminations and on fractures.	99728	70.00	71.00	1.00	85	9	-0.5	65	5	-1	14	17	29	4.62	672	-1	10	-5	-5	112	53
		- sheared upper contact.	99729	71.00	71.40	0.40	85	8	-0.5	80	5	-1	12	17	31	3.49	533	-1	10	-5	7	144	54
71.40	81.50	PLAGIOCLASE - HORNBLENDE ANDESITE Plagioclase and hornblende phenos to 1-2mm in a dark grey quartz-feldspathic matrix.																					
		- Locally weakly to moderately	99730	71.40	72.50	1.10	90	8	-0.5	50	-2	-1	12	20	67	3.99	675	-1	9	-5	7	153	60
		sericitized with 1-3% disseminated	99731	72.50	74.00	1.50	85	-5	-0.5	50	-2	-1	11	17	19	3.91	799	-1	9	-5	9	158	56
		pyrite.	99732	74.00	77.00	3.00	90	-5	-0.5	29	-2	-1	11	22	31	4.09	841	-1	9	-5	-5	148	55
		- Occasional epidote with associated	99733	77.00	80.00	3.00	90	19	-0.5	53	-2	-1	15	14	39	4.06	729	-1	12	6	-5	115	79
		pyrite on fractures.	99734	80.00	81.50	1.50	90	7	-0.5	35	6	-1	10	19	21	3.90	778	-1	7	-5	-5	152	63
		- Heavily fractured.																					
		- 77.5-78.8m - Pyritic sericitized zones.																					
81.5	108.00	PLAGIOCLASE - HORNBLENDE ANDESITE	99735	81.50	83.00	1.50	90	5	-0.5	21	8	-1	9	18	57	4.00	897	-1	8	-5	-5	149	69
		PORPHYRY. Similar to section from	99736	83.00	86.00	3.00	90	11	-0.5	-5	-2	-1	11	23	35	3.98	899	-1	10	-5	-5	152	68
		31.4 to 47.24m. Fine grained intrusive	99737	86.00	89.00	3.00	85	6	-0.5	19	-2	-1	11	15	65	3.88	1015	-1	11	7	10	120	129
		or coarse grained extrusive rock.	99738	89.00	91.00	3.00	85	-5	-0.5	22	4	-1	11	22	46	4.25	874	-1	11	-5	11	165	56
		Composed of plagioclase and chloritized	99739	91.00	94.00	3.00	55	9	-0.5	32	7	-1	11	18	102	3.96	782	-1	7	-5	-5	154	64
		hornblende phenos to 2-3mm in a dark	99740	94.00	97.00	3.00	75	-5	0.5	47	-2	-1	11	22	23	4.07	851	-1	6	-5	17	161	65
		grey quartz-feldspathic matrix.	99741	97.00	100.00	3.00	80	-5	-0.5	-5	-2	-1	11	72	34	4.13	971	-1	23	-5	-5	161	69
		- Weakly chloritized and epidotized.	99742	100.00	103.00	3.00	75	8	-0.5	75	3	-1	12	78	54	4.63	1253	-1	20	-5	7	173	94
		- 88m - Quartz fracture fillings at 70	99743	103.00	106.00	3.00	65	6	-0.5	-5	-2	-1	10	25	36	4.27	1021	-1	12	-5	6	165	69
		deg. to core axis with purple fluorite.	99744	106.00	108.00	2.00	60	15	-0.5	56	4	-1	12	22	110	4.39	1182	-1	10	-5	8	155	79
		- Decrease in chloritization of mafic phenos noted from approx. 95m.																					
		- Weak potassic alteration noted from 99.5-100.5m and from 103-104m.																					
		- Heavily fractured to 108m.																					

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
108.00	125.27	PLAGIOCLASE - HORNBLENDE ANDESITE. Fine grained rock with occasional plagioclase and hornblende phenocrysts to 1-2mm to 113m. From 113m contains frequent phenos.																					
		Uniform medium to dark grey in colour.	99745	108.00	111.00	3.00	95	33	-0.5	-5	-2	2	10	18	69	4.05	1482	-1	11	9	9	139	507
		- Moderately to highly silicified. Minor	99746	111.00	114.00	3.00	100	148	1.8	64	11	4	12	17	282	4.25	1546	-1	8	150	-5	122	1215
		local bleaching.	99747	114.00	117.00	3.00	100	18	0.9	12	-2	1	13	20	192	3.87	1200	3	9	18	-5	119	503
		- Sulphides (<1/2%) comprise pyrite as	99748	117.00	120.00	3.00	100	24	1.3	39	-2	2	12	19	278	3.82	1163	1	9	171	11	106	785
		occasional blebs to 3-4mm.																					
		- Moderately fractured to 128.5m.																					
		- Gypsum common as veinlets to 3-4mm																					
		healing fractures from 116m.																					
		- 113.7-114.0 - 3-5% pyrite.																					
		- 114.6-115.4 - 1-3% pyrite. Bleached																					
		epidotized core from 115m.																					
		119.8-121.6m - Weakly to moderately	99749	120.00	123.00	3.00	100	9	0.9	55	4	-1	14	21	93	3.71	1190	-1	11	17	-5	120	219
		epidotized core.	99750	123.00	125.27	2.27	100	16	0.9	32	-2	-1	16	14	93	3.49	1250	-1	12	11	7	76	254
		121.55-121.6m - White to pink quartz-feldspathic material at 70 deg. to core axis.																					
		123.85-125.27m - Epidotized core. Epidote and quartz (?) crystals on fracture at 125.27m.																					
		124.3-124.6m - Quartz healed breccia zone. Vuggy.																					
125.27	138.80	ANDESITE.																					
		Greenstone. Fine grained dark green rock with hornblende phenos to 1-3mm in a dark green matrix. Massive equigranular rock.																					
		- Heavily fractured from 128.5 to 138.8m	99751	125.27	128.00	2.73	95	29	0.8	-5	-2	-1	13	24	107	4.12	1326	-1	16	-5	-5	107	171
		with minor hematite and epidote on	99752	128.00	131.00	3.00	90	10	0.6	24	10	-1	15	31	142	4.30	1266	-1	16	13	-5	140	105
		fractures. Occasional fractures gypsum	99753	131.00	134.00	3.00	90	22	-0.5	62	-2	-1	14	28	111	4.40	1315	-1	13	-5	-5	154	99
		healed.	99754	134.00	137.00	3.00	90	10	-0.5	35	-2	-1	15	34	153	4.75	1918	-1	12	-5	-5	143	93
		133.15m - 5cm banded graphite at 90 deg.	99755	137.00	138.80	1.80	95	11	0.6	50	-2	-1	15	26	180	4.15	1723	3	16	-5	-5	126	84

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		to core axis. 138.8m - Iron stained gypsum and quartz at 45 deg. to core axis.																					
138.80	160.00	ANDESITE. Weakly porphyrytic. As above from 125.27 to 138.8 with hornblende laths to 1-2mm in a dark green chloritic matrix. - Massive rock with sharp increase in gypsum healed fractures. - Locally bleached and silicified with weak epidote alteration. - Gypsum veinlets to 1.5cm ranging from 15 to 60 deg. range. 143.05-145.05 - Locally bleached. 145.05-147.10m - Bleached, silicified weakly epidotized. Creamy brown in colour. Skarn (?) 146.5-146.55' - Brecciated quartz fragments cemented by chloritic material. 146.75m - 5mm chalcopyrite veinlet cut by gypsum veinlet. Chalcopyrite vein at 70 deg. to core axis.	99756	138.80	141.00	3.20	100	13	-0.5	42	-2	-1	13	27	148	4.09	1748	2	13	-5	-5	122	77
			99757	141.00	144.00	3.00	100	9	-0.5	47	3	-1	13	24	158	3.83	1747	-1	14	-5	6	111	75
			99758	144.00	147.00	3.00	100	255	-0.5	29	4	-1	12	12	560	3.67	1962	-1	11	6	-5	85	93
		From 148.5 to 153m gypsum is found in randomly oriented ubiquitous hairline fractures. Minor local gypsum healed brecciated material. 149.9-150.1m - Purple iron stained quartz material. Fluorite (?)	99759	147.00	150.00	3.00	100	12	-0.5	67	6	-1	13	17	131	3.72	1379	-1	11	-5	8	86	116
			99760	150.00	153.00	3.00	100	19	-0.5	52	-2	-1	13	16	124	3.51	1316	-1	16	-5	11	79	138
			99761	153.00	156.00	3.00	100	7	-0.5	44	-2	-1	13	24	90	3.87	1261	-1	13	109	10	124	190
			99762	156.00	159.00	3.00	100	25	-0.5	73	-2	-1	14	31	116	3.98	1345	-1	14	417	12	119	193
			99763	159.00	160.01	1.01	100	34	-0.5	32	4	-1	18	23	576	3.80	1025	-1	11	22	-5	109	115
		From 147m a decrease in hornblende phenos and an increase in plagioclase phenos to 2-3mm are noted. Locally weakly epidotized phenos.																					

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		151.2 - Gouge 152.0-153.5 - Locally bleached and epidotized. Skarn (?) 157.6-159m - Epidotized fractures subparallel to core axis.																					
160.01		End of Hole.																					
		SUMMARY: Overburden to 18.29m. 18.29-31.4m - Plagioclase-hornblende. Andesite. Phenos to 1-3mm. 31.4-47.24m - Plagioclase-hornblende. Andesite Porphyry (?). Phenos to 2-3mm. Fine grained intrusive or coarse grained extrusive. 47.24-51.0m - Sericitic pyrite altered andesite. 4-6% pyrite. 51.0-65.2m - Hornblende porphyry andesite. 65.2-71.4m - Sericitic pyritic altered. Andesite Porphyry (?). As above from 31.4-47.24m. 71.4-81.5m - Plagioclase hornblende andesite. 81.5-108m - Plagioclase hornblende andesite porphyry. As above from 31.4-47.24m. 108-125.27 - Plagioclase hornblende andesite. Minor local pyrite. 125.27-138.8 - Fine grained. Andesite. 138.8-160.0m - Fine grained. Andesite to porphyritic Andesite. Ubiquitous gypsum healing fractures and as veinlets. Chalcopyrite veinlets at																				

SUMMARY: (continued)

146.75m (5mm).
160.01m - End of Hole.

321-4

Discovery Consultants

Drill Log

Co-ords: 99 + 00N
105 + 15E
Azimuth: 270 deg.
Dip: -45 deg.
Elevation:

Length: 252.06m
Section: 99 + 00N
Purpose: Test IP high & Au zone in 80-1

Drill type & size: NQ to 172.81m
BQ 172.81 - 252.06m
Dip tests: none taken

Hole No: 321-4
Property: Man

Location: Man Property
Date St.: Jan. 4, 1989.
Date Fin: Jan. 9, 1989.
Logged by: T. Carpenter

Date Logged: Jan. 11, 1989.

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	18.29	Overburden and casing.																						
18.29	31.00	PLAGIOCLASE-HORNBLENDE ANDESITE. Medium grey in colour. Composed of plagioclase and chloritized hornblende phenos to 1-2mm in a grey feldspar rich matrix. Feldspar phenos (15-20%) and hornblende phenos (7-10%). Moderately fractured with hematite common on fractures to 22.0m and limonite common from 22.0m. Plagioclase phenos bleached and weakly clay altered from approx. 21.0m. Little sulphide evident. 21.1m - Minor shear with clay at 45 deg. to core axis. Sericitic. Minor pyrite. 26.0m - Weakly foliated at 45 deg. to core axis. 27.2-27.3m - Bleached clay altered rock.	99776	18.26	21.00	2.71	90	6	-0.5	58	-2	-1	18	28	32	4.24	649	-1	7	13	-5	149	64
			99777	21.00	24.00	3.00	90	6	0.6	16	2	2	16	35	48	4.48	787	2	12	13	-5	150	58
			99778	24.00	27.00	3.00	90	-5	-0.5	48	-2	-1	17	29	39	4.30	700	1	16	13	21	124	50
			99779	27.00	30.00	3.00	95	5	0.7	60	-2	-1	16	37	223	5.35	1159	2	9	23	-5	157	84
			99780	30.00	31.00	1.00	95	53	0.8	36	29	2	21	34	272	6.75	1671	-1	17	28	-5	174	123

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		26.5-27.7m - 1% disseminated pyrite. Minor pyrite on fractures. Weakly sericitized matrix. Thin Section at 28m indicates 25% sericite in matrix. 29.0-31.0m - Increase in size of hornblende phenos to 5mm. Decrease in plagioclase phenos. Weakly foliated at 70 deg. to core axis. 31.0m - Shear at 45 deg. to core axis clayey.																					
31.00	41.70	PLAGIOCLASE-HORNBLENDE ANDESITE PORPHYRY. Similar in composition to previous section but coarser grained. Plagioclase phenos to 3mm and hornblende laths to 8mm. Local cumulate texture comprising mafic material. - Hornblende phenos preferentially oriented at 80 deg. to 90 deg. to core axis. - Moderately fractured to 32.0m. - Occasional quartz and feldspar healed fractures. Thin Section 36.0m. Porphyritic Andesite.	99781	31.00	34.00	3.00	100	8		0.6	77	-2	-1	12	37	114	3.95	1078	-1	9	16	12	147	83
			99782	34.00	37.00	3.00	100	6		1.0	74	-2	-1	13	36	203	4.20	1172	4	13	16	14	150	89
			99783	37.00	40.00	3.00	100	9		1.2	15	-2	2	15	37	189	4.59	1871	-1	11	71	9	148	270
			99784	40.00	41.70	1.70	100	-5		1.1	50	-2	-1	17	36	255	4.57	1437	-1	12	21	-5	158	91
41.70	43.80	PLAGIOCLASE-HORNBLENDE ANDESITE. Finer grained andesitic rock with plagioclase and hornblende phenos to 2-3mm. Slightly increased quartz healed fracturing. Moderately fractured.	99785	41.70	43.80	2.10	95	11		1.3	-5	-2	2	20	41	148	5.65	1586	-1	15	14	13	172	84

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
43.80	62.85	PLAGIOCLASE-HORNBLENDE ANDESITE PORPHYRY.	99786	43.80	46.00	2.20	100	17		1.7	9	5	-1	27	49	711	6.30	1373	-1	14	19	-5	210	78
		As above from 31.0 to 41.7m.	99787	46.00	49.00	3.00	100	13		1.5	27	-2	-1	18	38	198	5.41	1191	-1	15	32	-5	175	194
		However contains occasional mafic fine grained xenoliths to 2cm in length.																						
		- Increase in quartz healed fracturing noted ranging from 20 deg. to 80 deg. to core axis.																						
		Quartz filling fractures to 1.5cm.																						
		Majority of fractures from 10 to 30 deg. to core axis.																						
		Occasional bleaching and minor disseminated pyrite to 1% adjacent to quartz healed fractures. Local weak epidote alteration.																						
		47.7 -49.0m - Healed fractures parallel	99788	49.00	52.00	3.00	100	56		0.7	7	-2	-1	17	42	461	5.18	1241	-1	12	19	-5	172	84
		to and at right angles to core axis.	99789	52.00	55.00	3.00	100	90		2.2	40	4	-1	17	45	343	5.38	1702	2	9	35	15	178	119
		Lower angled veinlets cut right angled	99790	55.00	58.00	3.00	100	12		1.7	-5	6	2	21	45	150	5.53	1204	-1	18	25	26	202	98
		veinlets.	99791	58.00	60.00	2.00	100	9		-0.5	11	-2	-1	17	44	123	5.61	1259	-1	16	13	-5	208	79
		53.5-56.0m - Fractures healed with vuggy	99792	60.00	62.00	2.00	100	11		-0.5	35	2	-1	16	32	140	4.33	1010	-1	10	21	10	138	77
		quartz veining with epidote (including	99793	62.00	62.85	0.85	95	-5		0.7	69	-2	-1	13	36	94	2.41	223	3	3	10	19	50	17
		occasional crystals).																						
		59.2-60m - Ubiquitous quartz healed fractures.																						
		60.0-62.0m - Finer grained rock.																						
		Plagioclase and hornblende phenos to 4-5mm.																						
		62.0-62.85m - Brecciated and bleached quartz sericite zone with 2-3% disseminated pyrite. Similar to material noted in 321-3.																						
62.85	79.85	PLAGIOCLASE-HORNBLENDE ANDESITE PORPHYRY.	99794	62.85	65.90	3.05	95	-5		0.9	-5	8	1	16	34	135	5.20	1048	1	11	12	10	174	75
		Similar in composition to section from	99795	65.90	69.00	3.10	95	-5		0.7	-5	-2	-1	20	45	136	5.95	1051	-1	14	16	20	187	65
		43.8 to 62.85m but overall finer grained	99796	69.00	72.00	3.00	95	13		1.0	7	-2	-1	17	35	185	5.08	870	-1	15	10	7	194	49
		texture.	99797	72.00	75.00	3.00	100	-5		0.7	-5	-2	-1	16	42	169	5.53	950	-1	15	12	14	207	56
		Contains hornblende phenos and laths to	99798	75.00	78.00	3.00	100	7		0.9	-5	-2	-1	25	50	257	7.03	1075	-1	12	29	-5	251	55

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		5-6mm but averaging 2-3mm in a medium to dark grey feldspathic matrix. Plagioclase phenos are less pronounced than in previous section. - Weakly to moderately fractured with limonite common as fracture coating. Fracturing from 10 to 45 deg. to core axis. - Gypsum occurs healing fractures from 62.85 to 65.9m. - Occasional rounded mafic phenos. 71.7-71.9m Broken bleached core with 1% disseminated pyrite. Pinkish brown sericitized zone.	99799	78.00	79.85	1.85	100	-5		1.2	-5	5	-1	18	40	193	5.72	1017	-1	11	18	13	218	55
79.85	103.10	PLAGIOCLASE-HORNBLENDE ANDESITE. Composed of plagioclase and chloritized hornblende phenos to 2-3mm in a dark greenish grey plagioclase rich matrix. - Heavily fractured from 81.0 to 89.0m. - Gypsum evident from 84.5m as fracture fillings. - 85.0-85.3m - Weakly sericitized with <1% disseminated pyrite. 86.9-88.5m - Frequent gouge zones.	99800	79.85	82.00	2.15	90	9		1.7	29	15	-1	16	35	337	6.01	1065	1	17	19	9	181	63
			99801	82.00	85.00	3.00	90	10		0.6	-5	-2	1	23	33	317	4.72	710	-1	17	18	23	120	37
			99802	85.00	88.00	3.00	85	141		1.2	29	-2	-1	21	35	376	3.94	1100	-1	9	14	-5	80	52
		88.9-90.5m - Weakly to moderately sericitized with up to 4% disseminated pyrite. 91.0-91.2m - Breccia. Bleached siliceous brecciated material cemented by vuggy quartz. Sericitic matrix. <1% pyrite. - From 89.0m to 103.1m comprises massive dark greenish grey rock with poorly defined phenocrysts and relatively fine grained texture.	99803	88.00	91.00	3.00	100	1392	0.025	1.0	66	6	-1	17	36	1054	4.25	963	10	16	12	6	104	42
			99804	91.00	94.00	3.00	100	45		1.4	25	5	-1	18	35	428	5.02	862	8	12	11	-5	134	49
			99805	94.00	96.00	2.00	100	7		-0.5	24	-2	-1	18	34	215	5.67	973	-1	15	13	12	161	49
			99806	96.00	97.00	1.00	100	10		1.2	19	-2	-1	15	47	311	4.44	716	3	12	7	18	114	39
			99807	97.00	98.00	1.00	100	10		1.2	9	-2	-1	16	33	209	5.78	783	-1	15	18	-5	147	56
			99808	98.00	99.00	1.00	100	287		0.6	-5	-2	-1	21	39	2849	5.44	771	-1	12	24	16	137	48
			99809	99.00	101.00	2.00	100	7		-0.5	30	-2	-1	19	36	455	5.95	819	-1	12	23	13	161	44
			99810	101.00	103.10	2.10	100	10		1.3	36	-2	-1	19	35	239	5.09	733	2	18	14	25	134	40

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Gypsum occurs as a fracture filling with occasional quartz filled fractures. - up to 1% disseminated pyrite with occasional chalcopyrite blebs to 1mm. - Local potassic alteration. 96.5-96.62m - Potassic alteration adjacent to fractures. 96.62-96.9m - Quartz and clay with epidote on fractures. Potassic alteration from 96.85-96.9m. 2% disseminated pyrite. 97.5-98.35m - Weak to moderate potassic alteration at 60 deg. to core axis. Chalcopyrite veinlet (2mm) at 50 deg. 98.35m.																					
103.10	106.50	ALTERED ANDESITE. Pale green weakly epidotized plagioclase phenos to 2-3mm and hornblende phenos to 1-2mm in a light to medium green epidotized matrix. Quartz and gypsum filled fractures. 104.5-105.3m - Gouge zone. Fault. 105.3-106.5m - Epidotized and sericitized brecciated rock with abundant quartz healed fractures. 1% disseminated pyrite and minor chalcopyrite sheared lower contact.	99811	103.10	104.50	1.40	95	-5		-0.5	66	11	-1	22	22	227	3.61	749	-1	15	16	12	85	38
			99812	104.50	105.30	0.80	80	8		-0.5	52	-2	-1	15	18	220	3.45	753	1	8	12	-5	79	33
			99813	105.30	106.50	1.20	95	617		0.6	64	4	-1	18	21	562	4.05	505	-1	11	7	-5	81	76
106.5	111.15	ALTERED DACITE PORPHYRY. Weakly epidotized feldspar phenos to 5mm in a fine grained creamy brown feldspathic matrix to 108m. 10-15% feldspar phenos. 1-2% mafics to 1mm in size.	99814	106.50	108.00	1.50	100	-5		-0.5	46	-2	-1	5	35	5	1.79	463	-1	4	-5	8	24	44
			99815	108.00	109.50	1.50	95	-5		0.5	52	-2	-1	5	27	4	1.71	479	2	3	-5	8	25	47
			99816	109.50	111.15	1.65	95	20		-0.5	44	-2	1	5	38	39	2.01	531	-1	1	-5	-5	29	52

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Thin Section 109.00m. Dacite.																						
		From 108m to 111.15m the rock is moderately sericitized. Brecciated with ubiquitous quartz healed fractures. Creamy brown in colour. Dark grey material (graphite?) on 45 deg. contact at 111.15m.																						
111.15	122.00	PLAGIOCLASE-HORNBLENDE ANDESITE. Largely faulted heavily fractured rock. Medium to dark green in colour.																						
		Plagioclase and chloritized hornblende phenos to 2-4mm in a weakly epidotized matrix. Pyrite on occasional fractures.	99817	111.15	114.10	2.95	85	68		1.1	35	-2	-1	15	26	1364	4.14	517	9	18	24	13	103	34
			99818	114.10	115.30	1.20	95	9		-0.5	9	-2	-1	8	44	346	2.45	417	7	3	7	-5	57	35
			99819	115.30	118.00	2.70	85	169		0.9	37	-2	-1	13	49	754	4.25	352	9	16	15	8	102	35
			99820	118.00	121.00	3.00	80	23		0.9	-5	-2	1	23	45	1940	4.97	358	18	16	12	6	133	21
		111.15-111.3m - Fine grained epidotized andesite.	99821	121.00	122.00	1.00		177		1.3	73	-2	-1	5	41	2895	2.12	362	29	2	20	10	66	14
		113.0-121.8m - Heavily fractured rock. Fault zone.																						
		114.1-115.3m - Feldspar porphyry. Dacite. Rounded feldspar phenos to 4-5mm in a medium to dark brown siliceous matrix.																						
122.00	143.90	DACITE PORPHYRY. Rounded feldspar phenos to 5-7mm in a medium to dark brown quartzofeldspathic matrix. 2-3% fine grained intergranular mafic material.	99822	122.00	125.00	3.00		-5		-0.5	49	11	-1	6	66	28	2.27	527	-1	6	-5	9	41	29
			99823	125.00	128.00	3.00		-5		-0.5	59	-2	-1	5	70	7	2.24	494	2	-1	11	9	44	28
			99824	128.00	131.00	3.00		-5		1.1	41	-2	-1	5	74	14	2.35	511	-1	-1	-5	-5	43	31
		122.3-124.5m - Light brown matrix material. Broken core from 128.8m with clay coated fractures.																						
		125.1-127.3m - Sub parallel fractures																						

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		with clay and serpentine on fractures. 127.6-129.9m - Cumulate texture with 70% feldspars to 5mm. 129.5-130.7m - Feldspar and hornblende phenos to 5-7mm in dark brown fine grained matrix. Thin Section 130.20m. Dacite Porphyry.																					
		130.7-143.9m - Increased mafics noted as phenocrysts. Hornblende phenos comprise 5-7% of rock with laths to 5-7mm. Gypsum and clay on local fractures parallel to core axis. Epidotized feldspar phenos from 142m. Sheared lower contact at 70 deg. to core axis.	99825	131.00	134.00	3.00	100	-5	-0.5	76	4	-1	4	55	3	2.11	491	-1	5	-5	-5	36	33
			99826	134.00	137.00	3.00	100	-5	0.7	58	3	-1	5	49	2	2.13	533	-1	-1	-5	5	35	32
			99827	137.00	140.00	3.00	100	-5	-0.5	78	2	-1	6	45	2	2.04	512	2	-1	11	-5	34	30
			99828	140.00	142.00	2.00	100	-5	-0.5	12	-2	-1	5	43	5	2.28	514	3	-1	5	8	32	30
			99829	142.00	143.90	1.90	100	-5	0.5	43	-2	-1	6	29	3	2.20	417	-1	2	10	13	28	36
143.9	162.30	ALTERED ANDESITE. FAULTED. Weak to moderate local potassic alteration. Heavily fractured medium to dark green rock composed of chloritized hornblende and weakly epidotized plagioclase in a fine grained chloritic and epidotized matrix. - Weak to moderate potassic alteration is noted in some larger fragments. Broken potassic material is also noted in gouge material near the top of the section. Minor gypsum is noted on occasional fractures. Weak (<1%) disseminated pyrite is evident locally as well as chalcopyrite blebs to 3%.	99830	143.90	146.00	2.10	85	15	1.1	28	-2	-1	26	28	1317	3.01	251	14	7	20	22	104	20
			99831	146.00	149.00	3.00	90	92	0.9	26	-2	-1	13	34	3601	2.73	197	29	16	11	18	103	4
			99832	149.00	152.00	3.00	90	98	1.6	-5	-2	-1	20	47	3353	5.01	444	2	14	20	-5	161	17
			99833	152.00	155.00	3.00	80	716	0.7	38	-2	-1	16	56	4576	3.69	504	3	10	14	18	115	14
			99834	155.00	158.00	3.00	85	317	1.6	27	8	-1	13	35	3224	3.50	382	6	16	16	9	118	17
			99835	158.00	160.50	2.50	85	115	0.8	15	-2	-1	14	48	692	3.26	325	4	17	19	-5	138	16
			99836	160.50	162.30	1.80	80	-5	0.7	-5	-2	-1	10	44	70	1.88	371	2	15	13	13	161	23

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
162.30	192.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Comprising plagioclase and chloritized hornblende phenos to 2mm in a fine grained altered matrix. - Alteration varies from weak to intense potassic alteration and possible albitization marked by increased hardness. - The potassic alteration varies from intense (pervasive) to moderate (patchy) to weak (adjacent to fractures). - Gypsum is ubiquitous and consists of veinlets and fracture filling generally averaging 4-5mm in thickness. - Minor sulphides.																					
		162.3-163.2m - Pervasive pink potassic alteration. 164.0-164.2m - shearing at 70 deg. to core axis. 163.2-164.7m - Weak potassic alteration. Shearing from 165m. 164.7-167.45m - Moderate to intense potassic alteration with frequent clayey shear fractures at 45-60 deg. to core axis. 167.45-180.5m - Weak to moderate potassic alteration. Mottled in appearance. Gypsum veinlets occasionally offset by later fracturing. Massive. 167.95m - 4mm pyrite and chalcopyrite veinlet at 50 deg. to core axis. 172.81m - Reduce to BQ 180.5-192.0 - Dark green-grey relatively fine grained rock with phenocrysts barely discernible. Generally weak local patchy potassic	99837	162.30	163.20	0.90	100	72		0.8	23	-2	-1	7	22	240	2.05	345	-1	7	-5	14	125	19
			99838	163.20	164.70	1.50	100	129		-0.5	62	-2	-1	7	20	217	2.21	336	2	7	7	24	121	19
			99839	164.70	167.45	2.75	100	30		-0.5	47	4	-1	6	22	45	1.47	320	2	5	5	13	101	17
			99840	167.45	168.50	1.05	100	498		1.2	20	-2	-1	8	25	834	2.85	372	-1	3	18	6	136	19
			99841	168.50	171.00	2.50	100	-5		-0.5	27	-2	-1	8	16	34	2.36	451	-1	3	-5	-5	139	23
			99842	171.00	174.00	3.00	100	-5		-0.5	40	7	-1	9	26	58	3.80	380	-1	4	21	18	199	21
			99843	174.00	177.00	3.00	100	-5		-0.5	25	-2	-1	8	19	32	3.20	285	-1	8	16	13	207	17
			99844	177.00	180.00	3.00	100	36		0.7	17	-2	-1	9	21	66	2.75	263	2	2	21	16	186	17
			99845	180.00	183.00	3.00	100	8		0.9	10	-2	-1	10	19	153	3.66	314	-1	4	17	24	175	19
			99846	183.00	186.00	3.00	100	29		0.9	33	-2	-1	11	19	342	4.32	402	-1	4	15	18	165	23
			99847	186.00	188.00	2.00	100	10		1.1	26	-2	-1	9	17	172	3.27	401	-1	5	11	11	155	23
			99848	188.00	189.00	1.00	100	895	0.026	2.5	-5	-2	-1	11	16	835	4.74	430	-1	3	10	-5	154	27

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		alteration. Ubiquitous gypsum healing fractures.	99849	189.00	192.00	3.00	100	10		0.9	23	-2	-1	9	13	139	4.52	409	-1	3	14	19	183	24
		188.75-188.05 - broken core. 0.2m lost core,																						
		188.65- Chalcopyrite and pyrite veinlet at 60 deg. to core axis with quartz veinlet and potassic alteration.																						
192.00	217.10	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE with sulphides. Brownish grey in colour with moderate pervasive potassium alteration. Locally epidotized.																						
		- Ubiquitous gypsum fracture fillings and veinlets. Localized brecciated (?) tuffs (?)																						
		- Chalcopyrite and bornite are found as	99850	192.00	194.00	2.00	100	1049	0.031	-0.5	18	5	-1	8	12	831	3.30	403	-1	8	15	12	123	25
		blebs and fracture fillings through the	99851	194.00	196.00	2.00	100	49		-0.5	-5	-2	-1	8	9	340	3.59	404	-1	4	14	25	141	24
		section varying from <1% to 3% over 1	99852	196.00	197.00	1.00	100	87		-0.5	51	-2	2	10	11	79	3.05	333	2	5	12	12	117	20
		metre sections.	99853	197.00	199.00	2.00	100	96		-0.5	-5	-2	-1	10	9	483	4.10	293	-1	4	9	-5	146	21
		192.5-193.5m - Brecciated zone healed	99854	199.00	201.00	2.00	100	81		0.9	40	-2	-1	11	18	743	3.93	309	-1	10	21	9	143	22
		with dark green fine grained material.	99855	201.00	202.00	1.00	100	537		0.6	75	-2	-1	12	13	1503	5.04	348	-1	4	20	-5	168	26
		196.95m - Intense potassium alteration	99856	202.00	203.00	1.00	100	142		-0.5	66	-2	-1	11	17	951	5.05	369	-1	4	9	9	202	23
		adjacent to fracture with bornite	99857	203.00	204.00	1.00	100	401		0.5	46	9	-1	9	23	654	2.62	278	2	1	13	23	110	23
		fracture filling.s	99858	204.00	205.00	1.00	100	475		-0.5	50	-2	-1	10	20	1395	5.57	337	-1	4	6	-5	182	22
		203.0-211m - Sharp increase in sulphides	99859	205.00	206.00	1.00	100	637		0.8	-5	7	-1	9	14	1746	5.48	373	-1	3	12	-5	179	22
		with numerous chalcopyrite blebs and	99860	206.00	207.00	1.00	100	2976	0.093	3.7	50	22	-1	9	20	3477	7.02	374	-1	9	15	11	217	16
		bornite fracture fillings.	99861	207.00	208.00	1.00	100	804	0.023	1.1	46	-2	-1	9	18	2125	5.06	380	-1	2	10	-5	195	19
		Total 2-3% sulphides.	99862	208.00	209.00	1.00	100	886	0.021	1.5	30	-2	-1	9	24	4429	3.70	391	-1	4	-5	12	150	19
		209-210m - 3-4% bornite.	99863	209.00	210.00	1.00	100	86		-0.5	62	-2	-1	9	18	7609	3.42	322	-1	6	9	17	147	10
		209-209.9m - Brecciated zone with	99864	210.00	211.00	1.00	100	221		2.0	47	-2	-1	7	27	19163	3.44	232	2	-1	26	15	118	-1
		bornite healing fractures.	99865	211.00	212.00	1.00	100	1095	0.029	1.3	54	-2	-1	9	9	6775	4.03	321	-1	4	12	14	163	6
		211-217.1m - Slight decrease in	99866	212.00	213.00	1.00	100	769		-0.5	43	-2	-1	7	9	976	3.83	339	-1	5	6	-5	148	17
		sulphides to 1-2% principally	99867	213.00	214.00	1.00	100	447		1.9	60	-2	-1	9	9	3985	4.69	430	-1	2	22	17	144	13
		chalcopyrite blebs. Rounded fragmental	99868	214.00	215.00	1.00	100	249		0.7	-5	5	2	9	13	528	4.31	392	-1	5	13	-5	158	22
		material from 212-217m - Tuff? Breccia?	99869	215.00	216.00	1.00	100	371		0.9	-5	-2	-1	10	9	1002	4.02	438	-1	4	8	24	136	47
			99870	216.00	217.10	1.10	95	13		1.4	11	-2	-1	13	13	1994	4.26	506	-1	1	11	16	163	29

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
217.10	229.00	PLAGIOCLASE-HORNBLENDE ANDESITE.																						
		Altered. Poorly defined phenocrysts.	99871	217.10	219.00	1.90	95	852	0.029	0.8	13	3	-1	16	9	5334	5.58	563	4	3	22	-5	171	48
		Weak to moderate pervasive potassic	99872	219.00	221.00	2.00	85	191		-0.5	85	-2	-1	13	11	587	4.85	421	-1	5	12	-5	156	59
		alteration.	99873	221.00	224.00	3.00	100	587		1.9	-5	-2	-1	12	25	4105	4.87	432	3	5	7	7	167	25
		- Minor local brecciation.	99874	224.00	227.00	3.00	100	602		0.8	11	-2	-1	12	30	2030	3.47	404	-1	5	-5	-5	139	31
		- Sharp decrease in sulphide content	99875	227.00	229.00	2.00	100	205		1.2	-5	-2	-1	12	26	1949	3.99	367	-1	10	7	-5	165	27
		with occasional chalcopyrite blebs.																						
		Overall <0.5% sulphides.																						
		- Gypsum common but sharply decreased																						
		with fracture fillings to 1cm.																						
		219.0-220.8m - Heavily fractured core.																						
229.00	252.06	PLAGIOCLASE-HORNBLENDE ANDESITE.	98801	229.00	232.00	3.00	100	205		-0.5	24	-2	-1	12	28	90	3.54	417	-1	3	-5	7	153	32
		Medium to dark grey rock comprising	98802	232.00	235.00	3.00	85	117		-0.5	47	-2	-1	12	18	306	3.53	460	1	8	7	8	151	34
		plagioclase phenocrysts to 1-2mm and																						
		poorly defined chloritized hornblende in																						
		a feldspathic matrix.																						
		Locally mottled with weakly epidotized																						
		and sericitized(?) matrix.																						
		- Gypsum increased over previous																						
		section.																						
		231.33-236.51m - Moderately to heavily																						
		fractured. Local potassium alteration.																						
		235.0-236.6m - Moderate to intense	98803	235.00	237.00	2.00	95	68		0.6	-5	3	-1	9	35	256	4.32	545	2	10	8	-5	151	33
		potassium alteration. Weakly brecciated	98804	237.00	240.00	3.00	100	243		-0.5	-5	5	-1	10	19	194	4.17	473	4	6	-5	-5	178	32
		with 1-2% intergranular pyrite.	98805	240.00	243.00	3.00	100	122		-0.5	-5	-2	1	9	32	194	4.05	463	-1	8	-5	8	204	41
		243-245.2m - 10-15% pyrite veinlets to	98806	243.00	244.00	1.00	100	2777		2.1	29	9	-1	63	28	518	6.66	447	-1	9	21	-5	123	34
		2cm bounded by potassic alteration.	98807	244.00	245.00	1.00	100	347		1.1	34	4	-1	90	48	756	>10.00	404	2	8	35	16	146	23
		Pyrite as granules to 2-3mm.	98808	245.00	246.00	1.00	100	76		-0.5	-5	-2	1	26	39	299	6.53	537	-1	7	5	8	192	33
		245.2-248.0m - Local potassic	98809	246.00	248.00	2.00	100	426		-0.5	-5	6	-1	14	52	428	4.92	491	-1	11	-5	15	176	32
		alteration.	98810	248.00	250.00	2.00	100	85		-0.5	14	5	-1	8	25	172	4.50	588	-1	7	-5	11	171	38
		248.0-252.06m - Frequent shear fractures	98811	250.00	252.06	2.06	100	878		0.8	42	9	-1	10	16	475	3.75	529	2	8	5	6	132	30
		weak pervasive epidotization.																						
		Thin Section 241.20m. Porphyritic																						
		Andesite.																						

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
252.06		End of Hole.																						
		SUMMARY:																						
		Overburden and casing to 18.29m 18.29-31.0m - Plagioclase-Hornblende Andesite. 31.0-41.7m - Plagioclase-Hornblende Andesite Porphyry(?) Coarser grained rock. Hornblende phenos at 80 deg. to 90 deg. to core axis. 41.7-43.8m - Plagioclase-hornblende Andesite. 43.8-62.85 - Andesite Porphyry. As from 31.0-41.7m. Occasional quartz healed fractures with pyrite. 62.85-79.85 - Plagioclase-hornblende Andesite Porphyry. Finer grained than previous section. Gypsum from 62.85-65.9. Sericitic alteration from 71.7-71.9m. 79.85-103.1m - Plagioclase-hornblende Andesite. Gypsum from 84.5m to bottom of hole. Local sericitic and potassic alteration. Former contains to 4% disseminated pyrite. 103.1-106.5m - Altered Andesite. Epidotized. Fault from 104.5-105.3. Pyrite and chalcopyrite 105.3-106.5m. 106.5-111.15m - Altered. Feldspar Porphyry. Dacite. 111.15-122.0m - Plagioclase-hornblende Andesite. 122.0-143.9m - Feldspar porphyry Dacite.																				

SUMMARY: (continued)

143.9-162.3m - Altered. Andesite. Weak to moderate patch potassium alteration. Heavily fractured.
162.3-192.0m - Altered plagioclase-hornblende andesite. Weak to intense potassium alteration.
192.0-217.0m - Altered plagioclase-hornblende Andesite. Moderate pervasive potassium alteration.
Chalcopyrite and bornite as blebs in fracture fillings through section.
Local breccia(?) tuff(?) zones.
217.1-229.0m - Plagioclase hornblende andesite. Weak to moderate pervasive potassium alteration. Minor (<0.5%) sulphides.
229.0-252.06m - Plagioclase hornblende andesite. Pyrite veinlets 243-245.2m.

321-5

Discovery Consultants

Drill Log

Co-ords: 98 + 50N
104 + 20E
Azimuth:
Dip: -90 deg.
Elevation:

Length: 199.63m
Section: 98 + 50N
Purpose: Test IP zone & Au zone intersected in DDH 80-2

Drill type & size: NQ

Dip tests: none taken

Hole No: 321-5
Property: Man

Location: Man Property
Date St.: Jan. 10, 1989.
Date Fin: Jan. 13, 1989.
Logged by: T. Carpenter

Date Logged: Jan 15, 1989.

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	15.24	Overburden and casing.																					
15.24	53.34	PLAGIOCLASE-HORNBLENDE ANDESITE.	37126	15.24	17.37	2.13	14	18	-0.5	-5	7	-1	34	25	180	4.50	-9	-1	18	-5	14	74	11
		Faulted. Slightly altered plagioclase	37127	17.37	20.42	3.05	50	16	0.9	19	-2	-1	23	40	416	4.97	316	2	15	-5	17	109	22
		phenos to 3mm and chloritized hornblende	37128	20.42	23.47	3.05	50	11	-0.5	25	5	-1	21	39	318	5.65	413	-1	16	-5	-5	167	21
		phenos to 1-2mm in a dark grey	37129	23.47	26.52	3.05	15	8	0.7	-5	-2	-1	14	47	564	6.31	538	-1	13	-5	11	205	27
		feldspathic matrix.	37130	26.52	29.57	3.05	40	8	-0.5	-5	4	-1	14	42	449	6.34	577	-1	18	-5	12	220	31
		Heavily fractured core with very poor	37131	29.57	32.61	3.04	20	13	-0.5	-5	-2	-1	15	45	441	5.93	538	3	15	-5	8	207	29
		recovery to 59.43m.	37132	32.61	35.66	3.05	15	14	-0.5	-5	-2	-1	25	36	310	5.57	468	1	16	-5	14	188	23
		- Pyrite occurs as fracture coatings and	37133	35.66	38.71	3.05	25	17	-0.5	8	-2	-1	21	38	815	6.11	369	9	19	-5	17	200	19
		varies from <1% to 2-3%.	37134	38.71	41.76	3.05	22	18	0.9	31	-2	-1	16	18	472	4.22	294	-1	8	6	-5	165	12
		- Locally weakly to moderately	37135	41.76	44.80	3.04	10	36	1.6	50	5	-1	16	45	2035	5.87	511	11	14	8	-5	167	25
		sericitized.	37136	44.80	47.24	2.44	93	61	1.7	10	3	-1	17	41	6599	5.35	366	10	17	14	-5	131	21
		Thin Section at 33.0m																					
		38.71-41.76m - 2-3% pyrite on fractures.	37137	47.24	49.38	2.14	64	45	0.9	-5	2	-1	20	39	3947	4.39	282	7	14	9	15	105	15
		44.8-49.38m - Moderate sericitized and chloritized with 5-7% pyrite on fractures.	37138	49.38	53.34	4.04	54	31	-0.5	18	-2	-1	15	27	1219	4.77	402	-1	12	-5	9	155	14

Interval From	To	Description	Sample ID	Sample From	Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		49.38-53.34m - More competent core with plagioclase phenos to 2-3mm at 60 deg. core axis.																					
53.34	100.2	AALTERED PLAGIOCLASE-HORNBLENDE ANDESITE PORPHYRY. More competent rock than previous section with remnant phenos to 3-4mm.	37139	53.34	56.39	3.05	70	57	0.9	27	-2	-1	19	19	974	1.54	91	72	9	-5	11	56	5
			37140	56.39	59.43	3.05	75	62	1.0	20	-2	-1	27	32	1005	3.33	201	19	16	-5	5	140	11
			37141	59.43	61.26	1.83	75	173	-0.5	34	-2	-1	42	17	1551	3.05	171	20	13	-5	6	90	10
			37142	61.26	64.31	3.05	95	166	0.6	29	-2	-1	33	17	2254	3.58	169	27	15	8	-5	63	6
		- Highly altered including sericitic and chloritic alteration (weak to moderate) with abundant clay alteration.	37143	64.31	66.44	2.13	70	239	-0.5	72	-2	-1	39	17	295	5.19	79	7	18	9	-5	34	-1
			37144	66.44	69.19	2.75	70	61	-0.5	16	-2	-1	17	15	874	3.00	409	11	13	-5	7	100	8
			37145	69.19	72.23	3.04	85	100	0.8	35	6	-1	23	20	1164	2.93	165	14	11	-5	10	89	4
		- Identification tentative due to altered nature of the rock. Heavily	37146	72.23	74.37	2.14	95	122	-0.5	11	-2	-1	30	18	1347	2.49	101	25	12	-5	18	58	4
			37147	74.37	76.84	2.41	50	62	0.9	-5	-2	-1	44	36	945	3.50	330	2	18	-5	7	175	19
		fractured to 59.43m with poor recovery.	37148	76.81	80.46	3.65	90	318	1.2	16	5	-1	43	32	2712	2.93	352	34	14	6	8	134	17
		53.34-56.39m - Pink potassic	37149	80.46	83.21	2.75	30	222	0.8	-5	-2	-1	44	34	2810	3.59	435	20	19	-5	7	182	27
		alteration. Moderate. 1% pyrite on	37150	83.21	85.64	2.43	50	260	1.3	27	-2	-1	41	28	3953	3.36	138	65	17	-5	17	107	4
		fractures and vugs.	37151	85.64	88.39	2.75	40	136	0.7	-5	-2	1	48	32	2016	3.78	251	29	18	-5	14	113	11
		59.43-70.41m - Increased recovery. High	37152	88.39	91.44	3.05	40	168	0.9	13	-2	-1	23	36	2067	3.79	286	35	15	-5	6	146	12
		clay content.	37153	91.44	94.48	3.04	20	42	-0.5	7	-2	-1	28	36	457	5.52	220	9	17	11	-5	177	14
		70.41-99.36m - Intensely fractured core.	37154	94.48	96.62	2.14	25	29	-0.5	54	3	-1	17	37	391	5.33	277	2	16	-5	-5	171	14
		70.5-74.0m - Local potassic alteration	37155	96.62	99.36	2.74	80	40	0.8	43	-2	-1	25	26	366	4.14	268	7	14	6	-5	140	12
		with occasional pyrite on fractures.	37156	99.36	100.20	0.84	90	58	0.7	51	-2	-1	32	24	649	3.57	417	3	16	-5	-5	116	22
		76.81-80.16m - Highly sericitic core with 2-4% disseminated fine grained pyrite. Local potassic alteration.																					
		85.04-87.17m - Moderate potassium alteration.																					
100.20	141.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Massive medium brownish grey in colour.	37157	100.20	101.00	0.80	90	87	0.6	97	-2	-1	47	27	1818	2.84	267	28	19	-5	-5	59	18
			37158	101.00	102.00	1.00	95	59	0.7	20	-2	-1	48	38	1115	3.86	248	10	17	11	-5	34	3
		Bleached plagioclase phenos to 3mm and chloritized hornblende phenos to 3-4mm in a weakly to moderately sericitized matrix. Weak to moderate local pervasive potassium alteration.	37159	102.00	103.00	1.00	100	29	0.7	36	-2	-1	27	51	447	3.62	180	4	14	7	8	68	5
		- Gypsum healed hairline fractures to																					

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		103.0m. Increased gypsum content from 103m up to 5mm in thickness. - Pyrite occurs as veinlets and fracture fillings up to 4% locally. Occasional chalcopyrite is also evident as at 101.95m.																					
		103.3-103.6m - Shear with clay. Moderate potassic alteration.	37160	103.00	105.00	2.00	100	18	0.5	31	-2	-1	31	41	68	4.33	145	2	13	-5	13	19	-1
			37161	105.00	108.00	3.00	100	29	0.5	-5	-2	-1	25	49	506	3.69	115	2	14	9	13	36	2
			37162	108.00	111.00	3.00	100	67	0.6	34	-2	-1	28	43	718	4.21	91	10	16	10	-5	41	4
		Thin Section 105.00m. Altered Dacite.	37163	111.00	114.00	3.00	100	36	-0.5	6	-2	-1	38	36	322	4.30	97	12	16	6	16	62	4
			37164	114.00	117.00	3.00	100	21	-0.5	-5	-2	-1	21	49	216	3.21	90	7	10	-5	-5	63	1
		107.4-108.9m - Weak to moderate	37165	117.00	119.00	2.00	100	25	0.7	11	2	-1	26	50	628	3.63	146	5	12	-5	13	115	3
		pervasive potassium altered. From 114.0	37166	119.00	121.00	2.00	100	87	0.5	6	-2	-1	34	48	1120	3.27	103	16	12	-5	12	87	4
		to bleaching is common bounding	37167	121.00	123.00	2.00	100	97	0.6	13	-2	-1	26	41	1561	2.10	109	32	10	6	13	95	2
		fractures.	37168	123.00	125.00	2.00	100	79	0.8	28	-2	-1	14	58	1202	2.03	166	21	13	-5	11	117	6
			37169	125.00	127.00	2.00	100	19	-0.5	6	-2	-1	20	64	287	3.40	143	1	11	-5	7	118	5
		119-125.7m - Pink potassium altered rock	37170	127.00	130.00	3.00	100	103	0.7	8	-2	-1	29	78	1210	3.77	154	14	14	-5	5	103	5
		with 2-3% disseminated pyrite and minor	37171	130.00	132.00	2.00	100	215	0.9	19	4	-1	30	62	2502	3.49	167	16	16	-5	8	125	5
		chalcopyrite. Increased gypsum. 121.3-123.0m - Gypsum veinlets parallel to core axis. 125.7-133m - Greenish grey with weak sericitic altered and patchy potassium alteration.																					
		Thin Section 133.50m. Sericitized Andesite.																					
		133.0-137.5m - Pinkish brown weak to	37172	132.00	133.00	1.00	100	236	1.3	31	-2	-1	35	53	1236	3.28	234	27	15	-5	12	86	11
		moderate pervasive potassium alteration.	37173	133.00	134.00	1.00	100	2743	2.7	57	-2	-1	33	54	5969	3.92	226	17	12	7	8	100	14
		133.1m - 5-7mm chalcopyrite veinlet at	37174	134.00	136.00	2.00	100	160	-0.5	39	-2	-1	46	44	2050	2.61	228	10	16	6	6	127	9
		60 deg. to core axis.	37175	136.00	137.50	1.50	100	357	0.9	18	5	-1	15	50	4553	2.57	281	34	12	7	-5	116	12
		Shear fracture at 45 deg. to core axis.	37176	137.50	139.00	1.50	100	110	0.5	31	4	-1	7	47	1342	3.42	406	-1	11	-5	7	134	21
		137.5-141.0m - Greenish grey weakly chloritized and epidotized andesite.	37177	139.00	141.00	2.00	100	991	1.8	-5	6	-1	8	36	1912	3.01	316	-1	11	-5	10	106	18

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Sheared lower contact. 140.05-140.6m - Clay healed breccia. 140.8m - 5mm chalcopyrite veinlet at 80 deg. to core axis.																					
141.00	145.50	BRECCIA ZONE. Comprises black fine grained and pink potassium altered fragments to several inches in size cemented by a finer grained epidotized clayey material.	37178	141.00	143.00	2.00	100	20	0.5	14	-2	-1	7	28	343	2.37	348	-1	8	-5	12	93	26
			37179	143.00	145.50	2.50	100	244(60)	0.6	30	-2	-1	7	25	520	2.36	328	1	4	-5	10	74	24
145.50	164.85	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Breccia? Pinkish brown in colour with weak to moderate potassic alteration. Hornblende largely chloritized in a pervasively potassium altered matrix. - Localized "blebs" of pink potassium-feldspar material may indicate possible brecciation or alternatively may represent intrusive material or spotty alteration.	37180	145.50	148.50	3.00	100	25	0.6	12	-2	-1	6	30	146	1.93	326	-1	4	5	7	90	19
			37181	148.50	151.50	3.00	100	11	-0.5	-5	-2	-1	7	35	57	2.03	333	-1	9	-5	6	119	21
			37182	151.50	154.50	3.00	100	15	0.5	-5	-2	-1	7	25	8	3.04	378	-1	7	-5	8	134	22
			37183	154.50	157.50	3.00	100	36	-0.5	-5	-2	-1	7	41	131	2.58	370	1	8	-5	18	130	23
			37184	157.50	159.50	2.00	100	30	-0.5	-5	-2	-1	9	33	44	2.51	385	-1	8	-5	20	132	26
			37185	159.50	160.50	1.00	100	180	2.3	54	-2	-1	12	46	1228	5.49	520	13	4	21	6	191	30
		- Gypsum is common as a fracture filling.	37186	160.50	163.50	3.00	100	312	-0.5	15	-2	-1	8	32	275	3.19	416	1	6	11	8	138	28
			37187	163.50	164.85	1.35	100	299	0.6	12	-2	-1	7	39	851	2.86	338	-1	6	5	12	167	21
		145.5-146.7m - Clay and breccia filled fracture sub parallel to core axis. 160.0m - Pyrite and chalcopyrite veinlet at 70 deg. to core axis. "Contact" at 164.85m marked by intense potassium alteration from 168.4m and hematite on fracture at 164.85.																					
164.85	177.90	PLAGIOCLASE-HORNBLENDE ANDESITE. Relatively fine grained rock with poorly defined phenos. - Weak epidotization and chloritization	37188	164.85	167.00	2.15	100	195	0.6	18	3	-1	7	32	505	3.45	390	-1	3	8	7	153	23
			37189	167.00	170.00	3.00	100	18	-0.5	59	-2	-1	7	46	161	3.79	355	3	7	-5	15	181	17

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		pervasive in matrix. - Occasional narrow breccia(?) or injected intrusive material to several centimetres in thickness comprising pink potassium feldspar material in black fine grained matrix. Dacite ?																					
		From 170m epidotization becomes more intense and includes zones to 1m in thickness with patches of unaltered material. These zones resemble and may possibly be of tuffaceous origin. 174.15-174.3m - Potassium alteration bounding gypsum vein. 2-3% chalcopyrite.	37190	170.00	173.00	3.00	100	12	0.7	15	-2	-1	10	39	26	3.75	343	1	7	-5	10	189	17
			37191	173.00	174.00	1.00	100	18	-0.5	-5	-2	-1	8	31	15	3.47	302	-1	8	5	-5	161	15
			37192	174.00	175.00	1.00	100	18	-0.5	16	2	-1	6	28	698	6.71	307	-1	7	-5	13	233	15
			37193	175.00	176.00	1.00	100	37	-0.5	-5	-2	1	9	39	26	4.14	368	-1	6	-5	11	136	18
			37194	176.00	177.90	1.90	100	170	-0.5	-5	5	-1	9	30	34	3.46	293	-1	5	-5	-5	111	13
177.9	182.4	ALTERED ANDESITE. Pervasive intense potassic alteration with little remnant original material. Gypsum healed fractures. Highly epidotized from 177.0-178.4m. 178.4-178.9m - Gypsum and epidotized clay.	37195	177.90	180.00	2.10	100	54	0.7	21	-2	-1	5	33	8	1.83	326	-1	6	-5	5	39	10
			37196	180.00	182.40	2.40	100	30	0.8	-5	2	-1	4	33	154	1.68	351	-1	4	-5	7	64	14
182.40	186.55	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE? Well developed plagioclase phenos to 3mm and hornblende phenos to 2-3mm. the latter makes up 5-7% of the rock. - Weak to moderate pervasive epidotization with patchy potassic alteration. - Gypsum common healing fractures.	37197	182.40	184.50	2.10	100	10	-0.5	37	-2	-1	6	32	16	2.05	334	-1	7	-5	11	99	22
			37198	184.50	186.55	1.05	100	8	-0.5	-5	3	-1	5	27	6	1.49	276	-1	6	-5	13	100	19
			37199	186.55	189.00	2.45	100	203	-0.5	30	-2	-1	7	35	371	3.17	370	-1	4	6	6	146	27
186.55	192.3	186.55-187.2m - ANDESITE BRECCIA(?) DACITE(?). Rounded, bleached fine grained feldspathic fragments in fine grained	37200	189.00	191.00	3.00	100	27	-0.5	-5	-2	1	7	33	146	2.07	366	1	9	-5	11	118	25
			37201	191.00	192.30	1.30	100	118	0.5	-5	-2	-1	9	38	286	2.90	444	3	8	-5	11	135	32

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		matrix. Grades downwards into well developed breccia material. Possible intrusive.																					
		Thin Section 188.00m. Altered Andesite.																					
		187.6-188.15m - As from 186.55-187.2m but more intrusive in appearance. Weakly altered. 189.4-190m - As from 186.55-187.2m.																					
192.30	199.63	ANDESITE TUFF? Pervasive moderate epidotization. Locally spotty with feldspar phenos to 3mm. Skarn?																					
		Thin Section 197.2m. Andesite (Crystal Tuff?)																					
		- Gypsum common healing fractures cut by low angle fractures.	37202	192.30	195.00	2.70	100	37	-0.5	20	2	-1	8	30	356	2.24	400	2	10	12	6	108	48
			37203	195.00	198.00	3.00	100	45	-0.5	14	-2	1	6	40	78	2.15	343	2	8	-5	13	102	28
		197.5-198.15m - Foliated at 30 deg. to core axis.	37204	198.00	199.63	1.63	100	267	-0.5	39	-2	-1	9	27	350	4.47	523	-1	11	-5	13	139	38
		198.15-199.1m - Hematite common on shears.																					
		End of Hole.																					
		SUMMARY:																					
		Intensely fractured (fault zone) to 99.36m with high clay content from 59.43 to 70.41m. 15.24-53.34m - Plagioclase-hornblende Andesite. Locally sericitized with																					

SUMMARY: (continued)

pyrite to 5-7%.
53.34-100m - Plagioclase hornblende porphyry? Moderate to high sericitic alteration. Local potassic alteration. Pyrite common through section.
100.2-141.0m - Altered plagioclase-hornblende andesite. Pervasive weak to moderate sericitic alteration. Pyrite common (to 5%) as disseminations and fracture coatings. Minor chalcopyrite at 101.95; from 119-125.7m and at 140.8m. Gypsum from 103m.
141.0-145.5m - Breccia zone. Rounded fragments in epidotized matrix.
145.5-164.85m - Altered plagioclase-hornblende Andesite? Breccia? Pervasive weak to moderate potassium alteration. Vaguely fragmental in appearance. Possible breccia or tuff (?)
164.85-177.9 - Plagioclase hornblende Andesite. Weakly epidotized and chloritized. Relatively fine grained.
177.9-182.4m - Altered Andesite. Intense potassic alteration.
182.4-186.55 - Altered Plagioclase hornblende Andesite. Weak to moderate pervasive epidotization.
186.55-192.3m - Andesit Breccia? Dacite? Rounded bleached fragments(?) (feldspars?) in fine grained matrix. Locally intrusive in appearance.
192.3-199.63m - Tuff(?). Pervasive moderate to intense epidotization.

- Alteration common throughout hole. Little chalcopyrite evident. Pyrite common.

321-6

Discovery Consultants

D r i l l L o g

Co-ords: 98 + 00N
104 + 10E
Azimuth:
Dip: -90 deg.
Elevation:

Length: 154.53m
Section: 98 + 00N
Purpose: Test IP anomaly

Drill type & size: NQ core

Dip tests: none taken

Hole No: 321-6
Property: Man

Location: Man Property
Date St.: Jan. 14, 1989.
Date Fin: Jan. 17, 1989.
Logged by: DC Miller

Date Logged: Jan 18, 1989.

Interval From	Interval To	D e s c r i p t i o n	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	9.14	Casing, no core.																						
9.14	11.30	PLAGIOCLASE-HORNBLENDE ANDESITE Clay and intensely clay altered andesite; pale yellow to rusty to grey; less than 5% solid rock; 75% recovery.	37205	9.14	11.30	2.16	60	21		-0.5	-5	4	-1	13	17	105	4.20	148	2	7	-5	7	58	24
11.3	35.66	PLAGIOCLASE-HORNBLENDE ANDESITE Dark to light grey; finely porphyritic with fine subhedral feldspar; carries about 1% very fine dusty pyrite as disseminations; strongly fractured and broken core with poor recovery. (11.30-13.72) Broken, fractured, medium grey, rusty on fractures; some surface clay alteration.	37206	11.30	13.72	2.42	40	15		-0.5	-5	5	-1	25	24	280	5.42	316	-1	19	-5	-5	115	36
		(13.72-17.37) - Dark grey, weak clay alteration, intensely broken core with very poor recovery; no core at 14.33-	37207	13.72	17.37	3.65	13	8		-0.5	-5	-2	-1	14	31	407	5.29	620	-1	13	-5	-5	163	37

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		16.15.																						
		(17.37-20.42)- Pale grey, finely porphyritic with pale 1mm feldspar; broken and ground core.	37208	17.37	20.42	3.05	6	13		-0.5	31	4	-1	20	24	132	6.00	329	-1	19	-5	-5	155	35
		(20.42-23.47)- Similar.	37209	10.42	23.47	3.05	40	11		-0.5	42	-2	-1	15	23	282	5.25	348	-1	16	-5	-5	160	23
		(23.47-26.51)- Similar, no core at (23.47-24.69).	37210	23.47	26.51	3.04	6	12		-0.5	6	-2	-1	19	8	116	4.95	215	-1	13	-5	5	58	18
		(26.51-29.57) - Similar	37211	26.51	29.57	3.06	30	15		-0.5	-5	4	-1	19	22	188	5.09	816	-1	18	-5	13	147	44
		(29.57-32.61) - Similar	37212	29.57	32.61	3.04	10	24		-0.5	21	5	-1	18	24	658	5.27	963	-1	17	-5	-5	174	63
		(32.61-35.66) - Similar; no core at (32.61-33.83), increasing grain size.	37213	32.61	35.66	3.05	10	48		-0.5	-5	-2	-1	20	26	765	5.73	1082	2	16	-5	8	204	66
35.66	51.40	ANDESITE PORPHYRY.																						
		Medium grey with numerous fine white	37214	35.66	38.71	3.05	75	135		0.9	-5	-2	-1	20	28	1864	5.21	852	3	20	-5	-5	207	45
		feldspar laths and occasional larger	37215	38.71	41.70	2.90	95	37		-0.5	-5	-2	-1	28	22	618	5.43	732	-1	14	-5	-5	205	36
		altered hornblende phenocryst; better core but still broken with most pieces																						
		less than 3cm; 3% very fine disseminated	37216	41.70	44.70	3.00	95	130		-0.5	-5	-2	-1	55	10	918	5.36	370	6	18	14	-5	65	18
		pyrite; moderate sericite/argillic and	37217	44.70	47.70	3.00	95	43		-0.5	-5	4	-1	36	21	516	5.48	417	1	17	8	-5	171	26
		some chlorite alteration; weak acid	37218	47.70	50.70	3.00	95	29		-0.5	-5	-2	-1	26	20	187	5.77	524	2	16	-5	12	189	32
		reaction along very fine calcite veinlets which are not generally visible;																						
		(47.70-51.40) - Occasional white calcite-anhydrite veins up to 2mm thick.																						
		(47.90-51.40)- Increasing argillic propylitic alteration with local soft broken core and some finer grained sections.																						
51.40	85.80	PLAGIOCLASE-HORNBLENDE ANDESITE.	37219	50.70	53.70	3.00	95	20		-0.5	-5	6	-1	29	17	274	5.70	397	-1	19	-5	8	149	24
		(51.40-63.80)- Finer grained with strong	37220	53.70	56.70	3.00	95	12		-0.5	77	5	-1	26	14	243	4.49	190	3	17	-5	-5	121	17
		argillic-propylitic alteration with	37221	56.70	59.70	3.00	95	12		-0.5	46	-2	-1	22	20	165	4.63	195	-1	21	-5	-5	173	22
		about 5% very fine disseminated pyrite;	37222	59.70	62.70	3.00	90	7		-0.5	-5	-2	-1	25	11	22	4.44	123	-1	19	-5	-5	104	14
		soft broken core; probably near major	37223	62.70	65.70	3.00	95	36		-0.5	12	11	-1	14	15	94	4.38	387	-1	12	-5	-5	188	27

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		fault.	37224	65.70	68.70	3.00	90	12		-0.5	-5	5	2	17	13	137	4.48	338	2	11	-5	-5	164	29
		(63.80-77.70) - Slightly better core	37225	68.70	71.70	3.00	95	11		-0.5	22	-2	-1	13	18	222	4.56	490	-1	10	-5	-5	182	32
		with less pyrite and clay alteration;	37226	71.70	74.70	3.00	40	8		-0.5	9	-2	-1	14	17	210	4.30	378	-1	12	-5	14	189	27
		approx. 1% pyrite with traces of	37227	74.70	77.70	3.00	60	12		-0.5	-5	2	-1	15	17	105	4.34	498	-1	15	-5	-5	179	32
		chalcopyrite, minor fine	37228	77.70	80.70	3.00	50	15		0.6	-5	-2	-1	13	15	378	3.06	465	-1	12	-5	-5	174	34
		calcite/anhydrite veinlets.	37229	80.70	83.70	3.00	80	9		-0.5	-5	-2	-1	19	14	193	3.39	337	-1	11	6	9	149	27
		(77.70-84.90)- More pyrite, approx. 3%	37230	83.70	86.70	3.00	90	24		-0.5	-5	7	-1	17	10	212	3.79	541	-1	13	-5	16	144	39
		with traces of chalcopyrite, hard core																						
		but broken into pieces of 5cm or less;																						
		minor fine white calcite veinlets.																						
		(84.90-85.50)- Creamy brown siliceous.																						
		Highly sericitic pyrite. Pale carbonate																						
		veining and broken core.																						
85.8	96.9	PLAGIOCLASE-HORNBLENDE ANDESITE.	37231	86.70	89.70	3.00	60	9		-0.5	-5	-2	-1	16	18	123	3.66	488	-1	10	-5	-5	172	46
		Medium to dark grey, generally darker	37232	89.70	92.70	3.00	90	14		-0.5	-5	-2	-1	17	12	94	3.31	284	4	12	-5	-5	150	27
		than previously; consists of	37233	92.70	95.70	3.00	95	14		-0.5	25	4	-1	14	17	200	3.81	495	-1	12	-5	-5	174	42
		unoriented to sub-oriented white																						
		feldspar laths (1-2mm) and fine biotite																						
		and hornblende altering to sericite and																						
		locally chlorite in a glassy to fine																						
		grained matrix; essentially similar to																						
		preceding but phenocrysts are sharper																						
		with less argillic alteration; core																						
		still broken into pieces less than 10cm;																						
		minor acid reaction along many very fine																						
		white veinlets at all angles; contains																						
		about 3% very fine pyrite as																						
		disseminations, trace of fine																						
		chalcopyrite.																						
96.90	116.70	PLAGIOCLASE-HORNBLENDE ANDESITE.	37234	95.70	98.70	3.00	99	11		-0.5	-5	-2	-1	11	16	160	4.39	587	1	12	-5	10	186	45
		Similar to preceding, but more argillic	37235	98.70	101.70	3.00	99	35		-0.5	-5	-2	-1	18	15	594	3.88	671	8	11	-5	-5	155	48
		- propylitic alteration with more poorly	37236	101.70	104.70	3.00	99	11		-0.5	20	-2	-1	15	14	186	4.07	524	-1	11	-5	16	165	45
		defined feldspar laths; increased fine	37237	104.70	107.70	3.00	99	-5		-0.5	21	-2	-1	17	17	131	4.34	417	-1	13	-5	-5	193	43
		pale colored carbonate veinlets forming	37238	107.70	110.70	3.00	99	9		-0.5	19	3	-1	18	15	241	4.21	452	1	14	-5	-5	193	32

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		a network; minor pale orange feldspar alteration spreading from fine fractures; local epidote alteration; carries about 1% very fine pyrite; no chalcopyrite seen. Better core in 10cm - 5cm pieces; minor reddish veining with calcite.	37239	110.70	113.70	3.00	99	18		-0.5	46	2	-1	21	18	150	4.02	333	2	15	9	-5	195	27
			37240	113.70	116.70	3.00	99	11		-0.5	-5	-2	-1	22	15	172	4.08	392	2	17	-5	9	171	27
		Thin Section 111.20m. Porphyritic Andesite.																						
116.70	122.40	ALTERED PALGIOCLASE-HORNBLENDE ANDESITE. Similar to preceding, but soft broken core, broken into bits mainly smaller than 2cm, contains about 1-4% fine grained pyrite with good chalcopyrite-chalcocite at (119.70-121.40); some gypsum veinlets; probable fault zone.	37241	116.70	119.70	3.00	75	145		-0.5	6	-2	-1	17	9	270	2.93	90	8	14	5	6	66	16
			37242	119.70	121.40	1.70	60	9243	0.294	4.4	21	12	-1	21	4	11501	4.30	84	10	15	-5	-5	25	11
122.40	154.53	PLAGIOCLASE-HORNBLENDE ANDESITE. Similar to (96.90-116.70), but porphyritic texture is masked by argillic-propylitic alteration with strong gypsum veining (about 1 veinlet/2cm) up to 3mm thick, at various angles, carries about 0.5-3% fine pyrite with very minor fine chalcopyrite; good core; some calcite associated with gypsum; contains 5-30% pale orange feldspar alteration which is increasing towards the end of the hole; pyrite occurs as fine discontinuous veinlets and disseminations.	37243	121.40	124.40	3.00	95	281		0.6	-5	-2	-1	10	12	614	1.70	113	1	11	6	13	92	16
			37244	124.40	127.40	3.00	99	58		-0.5	-5	-2	-1	19	13	452	2.73	97	2	9	-5	8	112	12
			37245	127.40	130.40	3.00	99	16		-0.5	-5	2	-1	25	17	560	3.19	116	4	12	-5	-5	97	15
			37246	130.40	133.40	3.00	99	16		-0.5	-5	-2	-1	16	10	246	1.91	66	2	8	-5	9	70	9
			37247	133.40	136.40	3.00	99	28		-0.5	-5	4	-1	41	18	1004	2.38	135	13	12	-5	-5	99	10
			37248	136.40	139.40	3.00	99	25		0.5	-5	-2	-1	26	16	736	2.44	229	6	9	-5	12	110	17
			37249	139.40	142.40	3.00	99	25		-0.5	-5	-2	-1	64	22	774	2.23	200	14	8	-5	6	106	23
			37250	142.40	145.40	3.00	99	18		-0.5	-5	3	-1	30	14	347	2.40	197	6	10	-5	17	107	17
			37251	145.40	148.40	3.00	99	27		-0.5	-5	-2	-1	31	21	700	2.66	147	16	10	-5	8	113	11
			37252	148.40	151.40	3.00	99	15		-0.5	9	3	-1	28	12	465	1.96	55	7	7	-5	-5	81	5
			37253	151.40	154.53	3.13	99	16		-0.5	13	-2	-1	23	20	518	2.85	91	2	10	7	12	119	9
		(141.0-144.3)- Stronger pyrite associated with brownish biotite																						

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		alteration. Local fair chalcopyrite at (133.40-142.40).																						
		End of Hole.																						

321-7

Discovery Consultants

Drill Log

Co-ords: 99 + 50N
103 + 75E
Azimuth:
Dip: -90 deg.
Elevation:

Length: 148.44m
Section: 99 + 50N
Purpose: Test IP anomaly

Drill type & size: NQ core

Dip tests: none taken

Hole No: 321-7
Property: Man

Location: Man Property
Date St.: Jan. 18, 1989.
Date Fin: Jan. 20, 1989.
Logged by: DC Miller

Date Logged: Jan 22, 1989.

Interval From	To	Description	Sample ID	Sample From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
0	3.05	Casing, no core.																						
3.05	5.30	ALTERED ANDESITE. Orange-grey to pinkish-brown; fine grained; local fine porphyritic texture; cut by a network of very fine fractures, some calcite healed, minor disseminated pyrite, chalcopyrite and some malachite; some rusty and surface oxidation; mafics nearly totally destroyed by (potassic)? alteration.	37254	3.05	5.18	2.13	75	41		1.7	51	-2	1	7	18	1797	1.34	331	5	4	27	-5	66	31
			37255	5.18	7.60	2.42	50	13		-0.5	-5	-2	1	6	12	296	1.42	487	2	5	11	11	63	48
5.30	6.40	FELDSPAR PORPHYRY (DACITE). Brownish feldspar phenos to 4-5mm in fine grained medium brown feldspathic matrix. Sheared lower contact with clay.																						
6.40	7.60	ALTERED ANDESITE. As from 3.05 to 5.30m.																						

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
7.60	10.67	FELDSPAR PORPHYRY (DACITE). As from 5.30-6.40m.	37256	7.60	10.67	3.07	70	-5		-0.5	-5	-2	1	5	17	86	1.57	484	-1	2	-5	8	25	37
10.67	11.28	ALTERED ANDESITE. Orange-grey, similar to 3.05-5.30m; contains about 1% fine grained pyrite and chalcopyrite with pyrite chalcopyrite; broken core.	37257	10.67	11.28	0.61	40	36		-0.5	-5	-2	4	8	13	1023	1.91	523	1	6	13	-5	77	45
11.28	14.02	ALTERED ANDESITE. Pale brown grey; fine grained; broken core with 10% soft fault gouge; minor pyrite, chalcopyrite and bornite. Highly sericitized.	37258	11.28	14.02	2.74	15	235		1.1	50	3	2	18	9	4587	2.92	416	3	5	13	-5	75	34
14.02	31.00	ALTERED ANDESITE. As from 3.05-5.30m. Pale orange-grey; locally brecciated with indistinct fragment boundaries; finely fractured; contains minor fine grained disseminated pyrite and chalcopyrite with chalcopyrite greater than pyrite; sulphides occur in local concentrations and fine discontinuous veinlets and are not evenly distributed; fair core; occasional grains and veinlets of hematite.	37259	14.07	17.00	2.93	85	6		-0.5	8	4	-1	4	4	1300	1.36	468	2	3	-5	-5	97	22
			37260	17.00	20.00	3.00	95	176		1.4	84	7	3	8	6	6229	1.90	479	2	4	10	-5	100	43
			37261	20.00	23.00	3.00	95	436		2.3	-5	12	-1	46	4	4884	4.20	458	-1	7	10	5	73	27
		(20.50-21.00) - Strong fine pyrite and minor chalcopyrite associated with 0-15 deg. fracture zone.	37262	23.00	26.00	3.00	95	13		-0.5	-5	-2	-1	8	4	619	2.03	535	-1	9	-5	-5	84	25
		(26.0-31.0) - Slightly coarser grained and speckled and veined by hematite and possibly some chalcopyrite; only traces of pyrite and chalcopyrite.	37263	26.00	29.00	3.00	99	14		-0.5	15	-2	-1	7	4	677	2.38	356	2	9	-5	16	93	28
			37264	29.00	31.00	2.00	99	-5		-0.5	-5	3	-1	7	5	305	2.31	351	1	7	-5	9	104	23

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Thin Section 31.00m. Andesite.																						
31.00	35.50	ANDESITE BRECCIA?	37265	31.00	32.00	1.00	95	16		-0.5	6	-2	-1	8	5	2002	1.95	381	3	4	-5	-5	83	16
		Similar to preceding but with distinct	37266	32.00	35.00	3.00	99	30		-0.5	9	-2	-1	4	5	4098	1.46	313	2	5	-5	-5	89	12
		auto-breccia structure; fair	37267	35.00	38.00	3.00	99	17		-0.5	8	-2	-1	6	5	3180	1.41	334	2	3	8	-5	78	22
		chalcopyrite, about 1% locally,	37268	38.00	41.00	3.00	80	31		-0.5	-5	-2	-1	6	7	3491	1.66	385	-1	6	10	14	89	23
		associated with fine white quartz-calcite veinlets as fine blebs and discontinuous veinlets; generally good core; only traces of pyrite with chalcopyrite >> pyrite.																						
35.50	41.00	ALTERED ANDESITE. Mottled. Possible breccia. Creamy brown in colour. Softer rock. Less siliceous.																						
41.00	63.40	ANDESITE BRECCIA?																						
		Similar to preceding but with broken and locally soft core and weaker chalcopyrite mineralization but with increased pyrite with pyrite > chalcopyrite; sulphides are finer grained and associated with fine grained anhedral biotite. Andesite texture																						
		becoming increasingly evident with depth.	37269	41.00	44.00	3.00	40	37		-0.5	16	-2	-1	5	10	2842	1.60	402	-1	6	-5	-5	107	28
		(41.0-49.0)- Broken core with several	37270	44.00	47.00	3.00	40	2230	0.085	-0.5	27	-2	-1	5	5	2035	1.50	395	1	6	30	6	72	31
		soft clay sections associated with	37271	47.00	50.00	3.00	70	813	0.02	0.8	21	-2	1	6	9	1627	1.51	498	2	2	36	6	82	96
		fracturing over 5-10cm.	37272	50.00	53.00	3.00	95	429		-0.5	-5	5	-1	10	9	1242	2.45	540	1	7	5	7	86	47
			37273	53.00	56.00	3.00	95	671		-0.5	-5	4	1	7	9	991	2.31	432	4	5	6	-5	88	45
		(49.0-63.4)- Better core but still	37274	56.00	59.00	3.00	99	239		0.6	-5	4	-1	19	10	528	2.36	488	4	5	-5	-5	95	53
		broken and fractured in 2-20cm pieces.	37275	59.00	62.00	3.00	95	153		-0.5	-5	-2	-1	8	8	276	2.18	515	1	5	-5	-5	133	49
		(55.0-55.3)- Chalcocite associated with 15 deg. quartz-carbonate healed fracture.	37376	62.00	65.00	3.00	95	119		-0.5	-5	-2	-1	12	9	951	3.10	527	-1	5	9	-5	158	44
		(61.0-61.8)- Coarser grained, brighter orange colored, barren.																						

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		(61.8-63.4)- Dark grey fine grained dyke? with strong fine grained pyrite.																						
63.40	69.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Chloritized hornblende. Hornblende and plagioclase phenos to 1-2mm in a creamy grey feldspathic matrix. Local breccia texture; broken core in pieces averaging less than 5cm; generally fairly strong acid reaction indicating fine calcite veinlets and alteration; very sparse - less than 1/4% sulphides with pyrite = chalcopyrite.	37377	65.00	68.00	3.00	95	10		-0.5	-5	-2	-1	9	10	46	2.06	431	-1	7	-5	-5	149	38
			37378	68.00	71.00	3.00	99	116		-0.5	13	-2	-1	14	12	374	3.09	485	3	10	-5	-5	147	40
69.00	77.10	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Grey matrix with orange colored alteration growths; fine grained; generally very sparse sulphides with pyrite >> chalcopyrite. Greenish epidote alteration noted in matrix from 72.0m (69.0-76.0) - Broken core, associated with fine calcite veining; fair disseminated sulphides at (69.0-70.2), heavy pyrite with clay gouge at (72.6-72.7) and (73.3-73.6) with some chalcopyrite in nearby fractures.	37379	71.00	72.50	1.50	95	19		-0.5	-5	5	-1	11	9	216	3.74	595	3	7	-5	-5	183	55
			37380	72.50	73.90	1.40	95	112		-0.5	-5	4	-1	29	13	2076	6.74	496	13	10	15	-5	158	49
			37381	73.90	76.00	2.10	95	10		-0.5	-5	5	-1	11	7	39	3.11	665	-1	6	-5	-5	133	56
77.10	112.90	ANDESITE. Similar to preceding but now excellent core and veined by white gypsum veinlets (approx. 10%) up to 1cm thickfrom 77.0m; only traces of fine sulphides except as noted; some hematite veinlets and blebs.	37382	76.00	79.00	3.00	95	109		-0.5	25	-2	-1	11	10	39	2.46	656	2	9	-5	-5	119	64
			37383	79.00	82.00	3.00	99	38		-0.5	-5	7	-1	10	8	63	2.10	590	3	6	-5	-5	106	57
			37384	82.00	85.00	3.00	100	25		-0.5	-5	-2	-1	10	8	24	1.78	546	-1	8	-5	-5	89	47
			37385	85.00	88.00	3.00	100	34		-0.5	-5	-2	-1	10	9	72	2.76	533	-1	6	-5	-5	158	42
			37386	88.00	91.00	3.00	100	29		-0.5	-5	-2	-1	11	13	90	2.62	423	-1	5	-5	8	146	39
			37387	91.00	94.00	3.00	100	16		-0.5	8	-2	-1	10	14	55	3.05	321	2	6	6	-5	189	24
		(90.7-100.5), (109.5-111.0),	37388	94.00	97.00	3.00	100	93		-0.5	7	-2	-1	9	7	696	3.93	504	7	7	-5	-5	157	36

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Au/wt opt	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Increase in pyrite as veinlets	37389	97.00	100.00	3.00	100	121		-0.5	-5	-2	-1	12	11	414	4.80	700	3	8	-5	-5	157	43
		associated with gypsum and as fine	37390	100.00	103.00	3.00	100	20		-0.5	-5	-2	-1	10	9	125	4.01	541	-1	11	6	-5	162	54
		disseminations.	37391	103.00	106.00	3.00	100	21		-0.5	-5	3	-1	10	11	16	3.36	452	4	6	-5	-5	133	33
			37392	106.00	109.00	3.00	100	42		-0.5	40	-2	-1	11	10	61	3.92	408	-1	7	7	9	194	34
		(102.5-112.9) Increasingly finer	37393	109.00	112.00	3.00	100	91		-0.5	-5	-2	-1	13	10	544	4.93	506	5	4	-5	8	159	37
		grained and basaltic in appearance with	37394	112.00	115.00	3.00	100	-5		-0.5	-5	-2	-1	8	17	14	2.45	516	2	5	-5	-5	68	33
		local porphyritic texture with fine feldspar laths.																						
112.90	148.44	FELDSPAR PORPHYRY. DACITE.	37395	115.00	118.00	3.00	100	-5		-0.5	-5	4	-1	5	34	20	1.74	578	-1	3	-5	-5	25	29
		Orange to orangey grey matrix with	37396	118.00	121.00	3.00	100	-5		-0.5	52	-2	-1	5	27	3	1.59	514	-1	1	-5	-5	23	27
		cream colored to orange-red colored	37397	121.00	124.00	3.00	100	-5		-0.5	-5	-2	-1	5	29	3	1.63	603	1	-1	-5	6	23	29
		subhedral phenocrysts ranging up to	37398	124.00	127.00	3.00	100	-5		0.6	26	-2	-1	5	25	3	1.48	534	-1	1	-5	6	15	28
		5mm in size; speckled locally with	37399	127.00	130.00	3.00	100	-5		-0.5	-5	-2	-1	5	31	2	1.47	543	-1	-1	-5	-5	17	25
		fine hematite grains; cut by a network	37400	130.00	133.00	3.00	100	-5		-0.5	36	-2	-1	5	29	2	1.55	550	-1	2	-5	-5	17	30
		of fine white quartz-carbonate	37401	133.00	136.00	3.00	90	-5		0.6	-5	-2	-1	5	33	2	1.57	564	-1	1	6	-5	17	32
		veinlets ranging up to 1cm in	37402	136.00	139.00	3.00	95	-5		-0.5	39	-2	-1	5	27	4	1.58	582	-1	4	-5	-5	20	28
		thickness; generally good core;	37403	139.00	142.00	3.00	95	-5		0.5	31	-2	-1	6	34	8	1.94	660	-1	-1	-5	-5	34	37
		Broken at 127.80-128.20) and	37404	142.00	145.00	3.00	95	-5		0.5	33	-2	-1	6	32	4	1.85	688	-1	-1	-5	-5	32	33
		(133.20-136.40) in pieces averaging	37405	145.00	148.44	3.00	95	-5		-0.5	-5	-2	-1	5	32	4	1.68	535	-1	2	-5	-5	28	29
		less than 5cm.																						
		(136.90-148.44)- Good core but generally broken into pieces averaging 15cm.																						
		Contact 112.9 gradational over 50cm with some fracturing at 45 deg. and soft core. 113.20-113.50																						
		E.O.H.																						

321-8

Discovery Consultants

Drill Log

Co-ords: 97 + 50N
102 + 15E
Azimuth:
Dip: -90 deg.
Elevation:

Length: 157.58m
Section: 97 + 50N
Purpose: Test IP anomaly

Drill type & size: NQ core

Dip tests: none taken

Hole No: 321-8
Property: Man

Location: Missezula Lake
Date St.: Jan. 21, 1989.
Date Fin: Jan. 23, 1989.
Logged by: DC Miller

Date Logged: Jan 24, 1989.

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
3.05	11.80	FELDSPAR PORPHYRY. DACITE. White to orange grey; consists of 10-40% subhedral white to cream colored feldspar crystals ranging from 1-5mm and 15% subhedral greenish-grey chloritized mafic minerals in a fine grained orange matrix; contains a few fine specks of hematite; rusty staining on fractures. (3.05-5.80) Relatively fresh rock to 5.2m with increasing alteration from 5.2 to 5.8m. (5.80-9.25)- Intensely oxidized and broken core with some gouge, fault zone; also soft and broken at (10.0-11.8).	37406	3.05	6.00	2.95	90	-5	-0.5	33	-2	-1	7	17	26	2.12	604	-1	-1	8	-5	41	38
			37407	6.00	8.84	2.84	75	30	-0.5	-5	-2	-1	21	9	204	3.40	301	-1	10	17	8	72	44
			37408	8.84	11.80	2.96	75	7	-0.5	60	-2	-1	8	8	54	2.23	542	-1	3	5	-5	39	40
11.80	16.50	ALTERED ANDESITE. Siliceous and sericitic. Dark grey; fine grained; chlorite altered; mainly broken soft core with clay gouge and poor recovery; harder sections contain about 4% very fine	37409	11.80	14.33	2.53	45	16	-0.5	39	3	-1	15	4	378	3.63	341	-1	7	10	8	80	26
			37410	14.33	16.50	2.17	50	13	-0.5	67	-2	-1	19	4	270	3.97	172	2	3	5	-5	62	16

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		pyrite and minor chalcopyrite; minor white calcite veining.																					
16.50	65.00	FELDSPAR PORPHYRY. DACITE.	37411	16.50	19.50	3.00		-5	-0.5	52	-2	-1	5	7	13	2.00	549	-1	-1	7	-5	36	34
		Similar to 3.05-11.8; better core; local	37412	19.50	22.50	3.00		-5	-0.5	-5	-2	-1	6	21	3	2.19	590	2	3	-5	6	42	41
		well formed hornblende crystals up to	37413	22.50	25.50	3.00		-5	-0.5	14	3	-1	7	13	2	2.16	615	-1	2	6	-5	41	39
		1cm; virtually no sulphides; some fine	37414	25.50	28.50	3.00	80	-5	-0.5	23	-2	-1	7	18	6	2.07	626	-1	-1	9	9	39	40
		white calcite veinlets (about 1/10cm).	37415	28.50	31.50	3.00	99	-5	0.9	9	-2	-1	6	25	5	2.12	597	-1	2	-5	-5	41	37
			37416	31.50	34.50	3.00	99	-5	-0.5	13	3	-1	6	32	-1	2.2	636	-1	3	9	-5	42	40
		(22.5-23.0)- Fault gouge and broken	37417	34.50	37.50	3.00	99	-5	-0.5	-5	-2	-1	7	36	-1	2.21	650	-1	-1	-5	6	43	41
		core.	37418	37.50	40.50	3.00	99	-5	-0.5	-5	-2	-1	6	25	1	2.18	626	2	-1	-5	-5	40	44
			37419	40.50	43.50	3.00	99	-5	-0.5	19	-2	-1	6	26	39	2.37	627	-1	-1	8	10	46	38
		24.60 - 10cm stringer with fine grained	37420	43.50	46.50	3.00	99	-5	-0.5	15	-2	-1	6	21	-1	2.00	582	-1	-1	6	-5	32	36
		granular texture.	37421	46.50	49.50	3.00	90	-5	-0.5	-5	-2	-1	7	13	5	1.79	568	-1	-1	-5	-5	24	33
		(29.9)- Excellent core. 5-30cm pieces.																					
		Potassic to argillic alteration at (43.0-43.3), (44.40-45.10) & (45.70-55.5)- core is altered brick red to pale grey; feldspars are obscured by red alteration and mafics are altered to sericite; contains some small dark grains of hematite cut by several white quartz calcite veinlets.																					
		Short sections are soft, broken and	37422	49.50	52.50	3.00	95	-5	0.6	31	-2	-1	10	13	6	1.96	546	-1	3	6	-5	31	32
		pervasively altered to clay minerals.	37423	52.50	55.50	3.00	95	-5	-0.5	-5	-2	-1	6	12	-1	1.98	604	-1	-1	-5	-5	33	32
		Minor fine pyrite veining at 50.80-	37424	55.50	58.50	3.00	99	-5	-0.5	36	-2	-1	6	14	3	2.02	513	-1	-1	-5	-5	35	32
		51.00.	37425	58.50	61.50	3.00	99	-5	0.8	19	-2	-1	6	12	6	2.00	515	-1	-1	-5	-5	33	33
		(55.5-60.5)- Weaker brick red	37426	61.50	63.50	2.00	99	-5	0.6	-5	-2	-1	5	10	2	1.89	492	-1	-1	5	-5	25	35
		alteration.	37427	63.50	65.00	1.50	99	-5	0.5	11	-2	-1	5	5	62	1.91	343	1	2	5	-5	25	37
		(51.60-52.0)- Soft clay altered volcanic inclusion? with vague 45 deg. banding and deep red alteration.																					

Interval From	Interval To	Description	Sample ID	Sample Interval From	Sample Interval To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		Strong brick red to grey alteration at (62.20-65.0) with gypsum veining and finer grained at 64.6-64.8; contact sharp at 75 deg. at 65.0m.																					
65.00	74.00	ALTERED PLAGIOCLASE-HORNBLENDE ANDESITE. Dark grey to brownish grey; fine grained with weak porphyritic texture consisting of fine, pale anhedral feldspars, less than 1mm and chloritized fine mafics in dark matrix. Weak to moderate sericite which appears to be decreasing with depth. Core has a vaguely brecciated appearance with darker and lighter colored fragments with rounded to subangular vague boundaries; possibly a result of auto brecciation and alteration; rock has been fractured with a network of very fine fractures which contain fine pyrite and minor chalcopyrite along with some calcite; also cut by occasional larger white quartz-calcite veins which are generally barren; mineralization starts immediately at 65.0 and total sulphides range from 1 to 10%; excellent core in pieces to 50cm.	37428	65.00	68.00	3.00	99	15	-0.5	11	-2	1	29	13	110	5.01	160	-1	21	-5	-5	29	5
			37429	68.00	71.00	3.00	99	21	-0.5	26	-2	-1	33	12	278	4.89	121	-1	19	8	6	52	11
			37430	71.00	74.00	3.00	99	23	-0.5	-5	-2	-1	34	29	849	5.77	175	2	20	13	-5	117	22
74.00	157.58	PLAGIOCLASE-HORNBLENDE ANDESITE PORPHYRY. Similar to preceding but coarser grained with a granular texture; anhedral crystals with generally chloritized mafics; weaker breccia structure; local fine brownish grey potassic alteration patches and weak pervasive epidote alteration. Carries 1-10% very fine																					

Interval From	To	Description	Sample ID	Sample Interval From	To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		pyrite with minor chalcopyrite as fine veinlets and disseminations.																					
		(79.4-79.6)- Soft and broken near a 3cm	37431	74.00	77.00	3.00	99	17	-0.5	-5	-2	-1	28	51	503	6.25	259	-1	19	10	-5	203	21
		white carbonate-quartz vein at 40 deg.	37432	77.00	80.00	3.00	95	22	-0.5	20	-2	-1	34	35	370	6.10	286	3	19	12	-5	181	32
		at 79.5.	37433	80.00	83.00	3.00	99	14	-0.5	-5	-2	-1	30	44	554	6.17	343	-1	20	8	-5	167	48
		(82.7-84.1)- Soft, brecciated and clay altered, faults at 45 deg. at (83.9-84.0).																					
		Thin section 81.50m. Altered Andesite.																					
		(84.0-89.0), (90.2-98.3)- Strong orange	37434	83.00	86.00	3.00	95	22	-0.5	-5	4	1	29	44	565	6.10	337	1	22	9	-5	164	51
		brown potassic alteration with more	37435	86.00	89.00	3.00	99	7	-0.5	-5	-2	1	41	33	751	4.50	183	-1	19	5	-5	166	24
		chalcopyrite; strong chalcopyrite pyrite	37436	89.00	92.00	3.00	99	30	-0.5	-5	-2	-1	24	38	1369	3.93	267	4	19	-5	-5	159	43
		veining at (92.3-92.7).	37437	92.00	95.00	3.00	99	781	0.9	-5	4	-1	24	33	5123	3.44	258	5	21	11	-5	125	28
		Thin Section 94.00m. Altered (fragmental?) Andesite.																					
		98.45 - 2cm fault gouge at 60 deg.	37438	95.00	98.00	3.00	99	9	-0.5	-5	-2	-1	33	39	574	4.27	329	-1	19	9	-5	158	44
			37439	98.00	101.00	3.00	99	48	-0.5	-5	5	-1	27	48	678	4.65	210	-1	17	-5	-5	173	19
		(104.0-106.5)- Some broken core	37440	101.00	104.00	3.00	95	20	-0.5	-5	-2	-1	37	42	520	4.60	185	3	20	12	-5	176	36
		accompanying several low angle	37441	104.00	107.00	3.00	95	31	-0.5	69	-2	-1	41	33	1255	4.09	175	10	21	9	-5	141	29
		fractures, containing fault gouge; also	37442	107.00	110.00	3.00	95	60	-0.5	-5	6	-1	35	28	1707	4.12	134	13	20	9	-5	100	20
		at (110.2-111.7).	37443	110.00	113.00	3.00	95	151	-0.5	-5	-2	1	10	29	1893	2.20	188	47	17	11	-5	94	54
		105.0 - 2cm white calcite-dolomite vein	37444	113.00	116.00	3.00	99	114	0.7	25	-2	4	15	18	2878	1.62	93	19	13	72	12	86	184
		at 45 deg.	37445	116.00	119.00	3.00	99	138	-0.5	-5	-2	-1	36	27	2017	3.66	178	7	21	21	-5	97	36
		(107.0-116.5)- Strong brown (potassic)	37446	119.00	122.00	3.00	99	382	-0.5	23	-2	-1	29	39	4974	3.33	276	21	19	25	7	126	38
		alteration.	37447	122.00	125.00	3.00	99	125	-0.5	-5	-2	4	36	42	2312	3.66	306	14	18	78	-5	125	108
		(116.5-134.5)- Moderate brown (potassic)	37448	125.00	128.00	3.00	99	120	-0.5	-5	-2	-1	26	37	3354	3.13	286	34	18	21	5	125	53
		alteration.	37449	128.00	131.00	3.00	99	64	-0.5	13	-2	-1	32	34	743	3.45	284	5	13	11	-5	150	41
		(108.0-116.0)- Low total sulphides (1%)	37450	131.00	134.00	3.00	99	50	-0.5	13	9	-1	25	16	1046	2.88	198	9	15	21	-5	89	28
		but increased chalcopyrite with	37451	134.00	137.00	3.00	99	49	-0.5	27	4	-1	14	22	940	3.40	302	8	13	5	-5	138	33
		chalcopyrite>pyrite.	37452	137.00	140.00	3.00	99	47	-0.5	-5	-2	-1	43	21	1085	3.75	292	9	15	13	11	135	44

Interval From	Interval To	Description	Sample ID	Sample From	Sample To	length	Recovery %	Au ppb	Ag ppm	As ppm	Bi ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	V ppm	Zn ppm
		(116.0-122.0)- Less than 1% sulphides mainly pyrite.																					
		(122.0-128.0)- 1% sulphides chalcopyrite less or equal to pyrite.																					
		(128.0-134.5)- 1-2% sulphides pyrite >>chalcopyrite.																					
		(128.0-134.5)- 1-2% sulphides pyrite >> chalcopyrite.																					
		(128.0-157.58)- Increase in fine white calcite veinlets.																					
		(134.5-139.7)- Prominent hornblende and biotite up to 3mm with less brown (potassic) alteration.																					
		(139.7-141.0)- Strong pale grey to pale brown alteration overprinting hornblende-biotite-strong pyrite.	37453	140.00	143.00	3.00	95	116	-0.5	-5	-2	-1	36	17	2245	3.61	268	10	12	10	-5	120	42
			37454	143.00	146.00	3.00	99	57	-0.5	-5	-2	-1	17	20	2560	2.73	294	8	12	13	-5	126	36
			37455	146.00	149.00	3.00	99	146	-0.5	-5	-2	-1	26	21	1448	2.89	269	6	13	12	-5	123	25
			37456	149.00	152.00	3.00	99	18	-0.5	7	-2	-1	15	23	594	3.13	343	1	15	9	-5	146	38
		(141.0-157.58)- Moderate to strong brown (potassic) alteration; generally finer-grained than previously; still fairly prominent fine mafic minerals; strong white calcite veinlets 5%; generally weak (1%) sulphides but with chalcopyrite = pyrite. Good chalcopyrite at (143.0-146.0).	37457	152.00	155.00	3.00	99	30	-0.5	34	4	-1	13	25	606	2.70	311	-1	18	10	-5	150	30
			37458	155.00	157.58	2.58	99	24	-0.5	-5	-2	-1	12	20	1327	3.05	380	7	13	5	-5	120	36
		(152.0-157.8)- Minor hematite veining.																					
		(156.2-157.58)- Fair chalcopyrite.																					
		157.58=517 ft.= End of Hole.																					
		Casing Left in hole.																					

321-1

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
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(604) 985-0681 Telex 04-352667

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Certificate of Analysis

JAN 17 1989

REPORT: V88-10467.4 (COMPLETE)

REFERENCE INFO: SHIPMENT #1

CLIENT: DISCOVERY CONSULTANTS
PROJECT: 321

SUBMITTED BY: J. BEGGS
DATE PRINTED: 11-JAN-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	53	0.002 OPT		Fire Assay
2	Cu	Copper	53	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	~~53~~ 104	2 -150	53	CRUSH,PULVERIZE -150	~~53~~ 104

REPORT COPIES TO: MR. RICK WYNNE
MR. BILL GILMOUR

INVOICE TO: MR. RICK WYNNE

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REPORT: V88-10467.4 | PROJECT: 321 | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Cu PCT
D2 37001		<0.002	0.01
D2 37002		<0.002	0.14
D2 37003		0.004	0.30
D2 37004		<0.002	0.66
D2 37005		0.003	0.80
D2 37006		0.006	2.09
D2 37007		0.018	5.69
D2 37008		<0.002	1.30
D2 37009		0.004	0.95
D2 37010		0.009	1.24
D2 37011		0.004	1.36
D2 37012		0.005	0.42
D2 37013		0.005	0.21
D2 37014		<0.002	0.06
D2 37015		0.003	1.58
D2 37016		<0.002	1.99
D2 37017		<0.002	0.54
D2 37018		<0.002	0.59
D2 37019		<0.002	0.04
D2 37020		<0.002	0.38
D2 37021		<0.002	0.44
D2 37022		<0.002	0.26
D2 37023		<0.002	1.12
D2 37024		<0.002	0.44
D2 37025		<0.002	0.51
D2 37026		<0.002	0.88
D2 37027		<0.002	0.95
D2 37028		0.004	1.20
D2 37029		<0.002	1.15
D2 37030		<0.002	1.56
D2 37031		<0.002	0.80
D2 37032		0.004	0.64
D2 37033		<0.002	0.33
D2 37034		<0.002	0.40
D2 37035		<0.002	0.39
D2 37036		<0.002	0.64
D2 37037		<0.002	0.68
D2 37038		<0.002	0.53
D2 37039		0.005	0.92
D2 37040		<0.002	0.99
D2 37041		<0.002	0.54
D2 37042		0.006	0.30
D2 37043		0.012	0.63
D2 37045		0.015	0.60
D2 37046		0.026	0.20
D2 37047		0.014	0.15
D2 37048		0.015	0.30
D2 37049		0.011	0.04
D2 37050		0.007	0.02
D2 37051		0.003	0.09
D2 37052		0.006	0.05
D2 37053		0.012	0.06
D2 37054		0.008	0.01

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Certificate of Analysis

REPORT: V88-10478.4 | PROJECT: 321 |

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Cu PCT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Cu PCT
D2 37055		0.011	0.04	D2 37095		0.007	0.07
D2 37056		0.006	0.01	D2 37096		0.007	0.19
D2 37057		0.066	0.09	D2 37097		<0.002	0.01
D2 37058		0.004	0.03	D2 37098		<0.002	0.01
D2 37059		0.011	0.10	D2 37099		0.017	0.06
D2 37060		0.002	0.02	D2 37100		0.005	0.24
D2 37061		0.006	0.08	D2 37301		<0.002	<0.01
D2 37062		0.008	0.11	D2 37302		0.002	<0.01
D2 37063		0.009	0.13	D2 37303		0.003	0.02
D2 37064		0.007	0.04	D2 37304		<0.002	0.01
D2 37065		<0.002	0.01	D2 37305		<0.002	0.01
D2 37066		<0.002	0.01				
D2 37067		<0.002	0.01				
D2 37068		0.003	0.04				
D2 37069		0.005	0.06				
D2 37070		0.003	0.01				
D2 37071		<0.002	0.01				
D2 37072		0.002	0.03				
D2 37073		0.296	1.52				
D2 37074		<0.002	<0.01				
D2 37075		<0.002	<0.01				
D2 37076		0.072*	0.23				
D2 37077		0.002	<0.01				
D2 37078		0.022	0.24				
D2 37079		0.028	0.18				
D2 37080		0.003	0.08				
D2 37081		0.002	<0.01				
D2 37082		0.016	0.40				
D2 37083		0.006	0.18				
D2 37084		0.003	0.06				
D2 37085		<0.002	0.01				
D2 37086		0.014	0.12				
D2 37087		<0.002	<0.01				
D2 37088		<0.002	<0.01				
D2 37089		0.002	0.02				
D2 37090		0.003	0.06				
D2 37091		0.005	0.13				
D2 37092		<0.002	<0.01				
D2 37093		0.145*	0.57				
D2 37094		0.015	0.28				

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321-2

Certificate of Analysis

REPORT: V88-10492.6 (COMPLETE)

JAN 16 1989

REFERENCE INFO:

CLIENT: DISCOVERY CONSULTANTS
PROJECT: 321

SUBMITTED BY: UNKNOWN
DATE PRINTED: 11-JAN-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	7	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	18	2 -150	7	AS RECEIVED, NO SP	18

REPORT COPIES TO: DISCOVERY CONSULTANTS

INVOICE TO: DISCOVERY CONSULTANTS

REPORT: V88-10492.6

PROJECT: 321 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 37276		0.069
D2 37283		0.031
D2 37292		0.034
D2 37338		0.052
D2 37354		0.029
D2 37355		0.151
D2 37362		0.046

REPORT: V89-00068.6

PROJECT: 321 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 99803		0.025#
D2 99848		0.026
D2 99850		0.031
D2 99860		0.093
D2 99861		0.023
D2 99862		0.021
D2 99865		0.029
D2 99871		0.029

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 37242		0.294

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT
D2 37270		0.085
D2 37271		0.020

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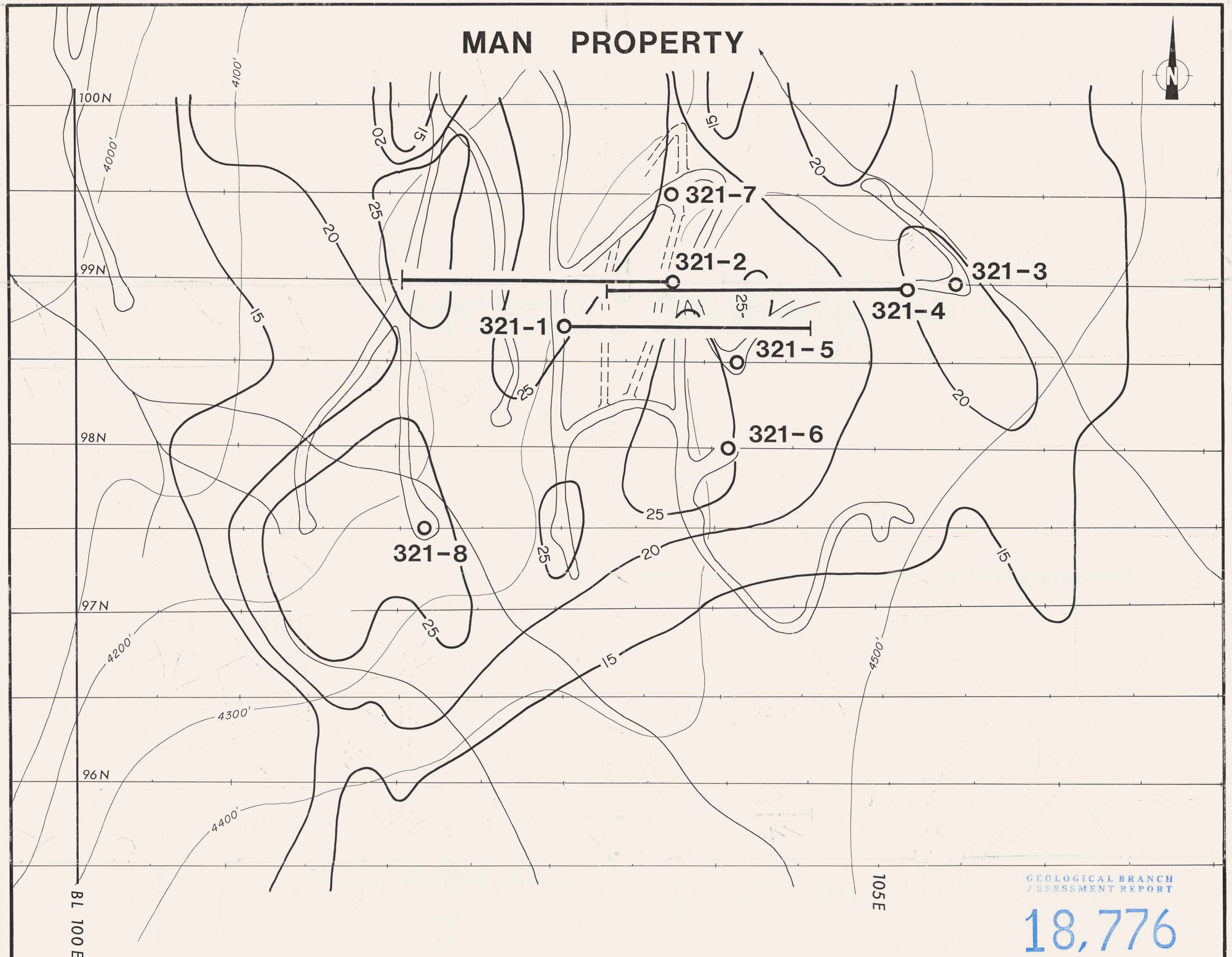

I.P. ANOMALY

— 15 —

— 20 —

— 25 —

Chargeability (milliseconds), n=3

DIAMOND DRILL HOLE

Inclined

Vertical

0 100

metres

BRICAN RESOURCES LIMITED

DISCOVERY Consultants

MAN PROPERTY

DIAMOND DRILLING

DATE: May 10, 1989	SCALE: 1:1,000
PROJECT: 321	NTS: 92-H-9/16
FIGURE: 3	SIMILKAMEEN MINING DIVISION