GM 47621

DIAMOND DRILL LOG, VIOR NORTH (P-1435) PROPERTY

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Res.	Claim #:	426311-1	Coordinates:	42+06E , 5+95S
Azimuth:	45 degrees	Dip:	-50 degrees	Length:	258.2 meters
Logged By:	Regis Simard	Casing:	In: 15.24m BW; 6.1m NW	Elevation:	315 meters
Date Started:	July 18 1987	Date Completed:	July 22 1987	Date Logged:	July 24 1987
Core Size:	BQ	Core Location:	St-Janvier	Samples Shipped:	July 31 1987
Drill Company:	Les Forages Foranord Inc.	Overburden:	42.3 meters		

Acid Dip Tests

# 1.	60.96 m	-50 deg.	# 2.	121.92 m	-50 deg.
# 3.	182.88 m	-50 deg.	# 4.	243.84 m	-48 deg.

Purpose

Test major EW lineament (mag defined) cut by NS to NNE structures (mag and IP defined).

Conclusions

Intersected primarily felsic lapilli tuff to crystal tuff with minor intercalated mafic volcanics.
No major shear zone or quartz vein zone outlined in hole.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	42.3	OVERBURDEN		
42.3	66.7	FELSIC LAPILLI TUFF	Pyrite ((vfg))	Sericite (mod.; restric) Carbonate (mod.; restric) Chlorite (locally in ma)
62.3	66.7	CHLORITISED ZONE		Sericite (strong; perva) Carbonate (moderate; per) Chlorite (5 to 10% chlo)
66.7	176.9	FELSIC LAPILLI TUFF (QTZ EYES)	Pyrite ((vfg)) Chalcopyrite (trace in Qtz)	Chlorite (weak-mod. in) Carbonate (calcitic; esp)
105.0	114.7	SERICITISED FELSIC LAPILLI TUFF (QTZ EYES)		Sericite (strong in mat)
140.0	160.0	SILICIFIED SERICITISED FELSIC LAPILLI TUFF	Pyrite (trace-1%; (vf)	Silica (pervasive) Sericite (strong in mat)
167.4	176.9	SERICITISED FELSIC LAPILLI TUFF		Sericite (strong in mat)
176.9	192.0	INTERMEDIATE TO FELSIC LAPILLI TUFF	Pyrite ((vfg)) Chalcopyrite ((vfg))	Fe-Mg Carbonate (strong; espec) Chlorite (strong in mat)
185.0	192.0	SERICITISED INTER. TO FELSIC TUFF		Sericite (moderate to s)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
192.0	212.8	FELSIC LAPILLI TUFF (QTZ EYES)		
212.8	219.6	MAFIC ASH TUFF/SCHISTOSE BASALT	Pyrite ((vfg))	Carbonate (strong; perva) Chlorite (moderate; per)
219.6	222.7	MASSIVE BASALT		Carbonate (calcitic; str) Chlorite (moderate; per)
222.7	224.6	MAFIC ASH TUFF/SCHISTOSE BASALT		
224.6	236.0	FELSIC LAPILLI TUFF (QTZ EYES)		
228.5	236.0	CHLORITISED ZONE	Pyrite (1%; 1 to 2mm)	Carbonate (strong; perva) Chlorite (pervasive at)
236.0	255.1	FELSIC LAPILLI TUFF	Pyrite (locally 1%)	Silica (dark grey zon) Chlorite (strongly perv) Carbonate (strongly perv) Sericite (locally in ma)
255.1	258.2	CHLORITISED BASALT		Chlorite (strongly perv) Carbonate (strongly perv)
	258.2	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	42.3	OVERBURDEN												
42.3	66.7	FELSIC LAPILLI TUFF												
		Banded Grey to Green	10001	51.50	52.50	1.00	0.005							
		Lapilli: 80% grey felsic fragments												
		Matrix: 20%; sericitised	10002	56.50	57.50	1.00	0.005							
		Aphanitic to Very Fine Grained												
		Banding at 70 Deg. Cax.	10003	58.40	59.40	1.00	0.005							
		Schistosity at 70 Deg. Cax.												
		Weakly Fractured (2 Fractures/Meter)	10004	62.00	63.00	1.00	0.005							
		1% Quartz-Carbonate Veining at 70 Deg. Cax. -- Avg. Width 1cm												
		Pyrite: (vfg)												
		Sericite Alteration: mod.; restricted to matrix												
		Carbonate Alteration: mod.; restricted to fragments.												
		Chlorite Alteration: locally in matrix.												
		Non Magnetic												
		Fragments are very elongated; 5 to 15mm width.												
		----------Sub Units----------												
		62.3 66.7 CHLORITISED ZONE												
		Light Green	10005	63.00	64.00	1.00	0.005							
		Sericite Alteration: strong; pervasive.	10006	64.00	65.00	1.00	0.005							
		Carbonate Alteration: moderate; pervasive	10007	65.00	66.00	1.00	0.005							
		Chlorite Alteration: 5 to 10% chloritised grains (1mm); speckled.	10008	66.00	67.00	1.00	0.005							
		Fragments are not visible.												
		Contacts not sharp.												
66.7	176.9	FELSIC LAPILLI TUFF (QTZ EYES)												
		Banded Green to Grey												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Lapilli: 70% felsic fragments Matrix: 30%; chloritised Aphanitic to Very Fine Grained Banding at 70 Deg. Cax. Schistosity at 70 Deg. Cax. Weakly Fractured (3 Fractures/Meter) 1% Quartz-Carbonate Veining at 50 Deg. Cax. -- Avg. Width 2cm Pyrite: (vfg) Chalcopyrite: trace in Qtz veins (128.4). Chlorite Alteration: weak-mod. in frag.; strong in matrix. Carbonate Alteration: calcitic; especially strong in frag. Non Magnetic	10009	73.00	74.00	1.00	0.005							
			10010	77.00	78.00	1.00	0.005							
			10011	78.00	79.00	1.00	0.005							
			10012	83.00	84.00	1.00	0.005							
			10013	87.80	89.00	1.20	0.005							
			10014	89.00	90.00	1.00	0.005							
			10015	90.00	91.00	1.00	0.005							
			10016	94.00	95.00	1.00	0.005							
			10017	95.00	95.60	0.60	0.005							
		Fragments very elongated; not always visible; generally grey; 3 to 20mm width; average 10mm; contain 5% Qz eyes 1 to 3mm; locally few plagioclase grains (1mm) are present. 114.75-115.23 and 124.65-124.8: dioritic dyke with 10% plagioclase phenocrysts of 5mm in the first one; contact 70CAX. 125.2-125.75: Qtz vein crosses the schistosity at 90deg; 10CAX. 124.8-133.0: This zone is more chloritised.	10018	102.00	103.00	1.00	0.005							
		----------Sub Units----------												
		105.0 114.7 SERICITISED FELSIC LAPILLI TUFF (QTZ EYES)												
		Lapilli: 90% felsic fragments Matrix: 10%; strongly sericitised Sericite Alteration: strong in matrix.	10019	109.00	109.50	0.50	0.005							
			10020	114.00	115.00	1.00	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10021	115.00	116.00	1.00	0.005							
			10022	116.00	117.00	1.00	0.005							
			10023	122.00	122.50	0.50	0.005							
			10024	125.00	126.00	1.00	0.005							
			10025	128.00	128.80	0.80	0.005							
			10026	136.50	137.50	1.00	0.005							
			10027	138.20	139.20	1.00	0.005							
140.0	160.0	SILICIFIED SERICITISED FELSIC LAPILLI TUFF												
		Lapilli: 90% felsic fragments												
		Matrix: 10%; sericitised	10028	140.80	141.80	1.00	0.005							
		Pyrite: trace-1%; (vfg)												
		Silica Alteration: pervasive	10029	145.80	146.20	0.40	0.005							
		Sericite Alteration: strong in matrix.												
			10030	147.00	147.80	0.80	0.005							
		Locally narrow (up to 10cm) intervals of black chlorite alt.	10031	149.00	150.00	1.00	0.005							
			10032	150.00	150.50	0.50	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10033	152.30	153.30	1.00	0.005							
			10034	157.00	158.00	1.00	0.005							
			10035	158.00	159.00	1.00	0.005							
			10036	159.00	160.00	1.00	0.005							
			10037	160.00	161.00	1.00	0.005							
			10038	167.00	168.00	1.00	0.005							
167.4	176.9	SERICITISED FELSIC LAPILLI TUFF												
		Lapilli: 95% felsic fragments	10039	168.00	169.00	1.00	0.005							
		Matrix: 5%; sericitised	10078	169.00	170.00	1.00	0.005							
		Sericite Alteration: strong in matrix; mod. in fragments.	10040	170.00	171.00	1.00	0.005							
			10041	171.00	171.90	0.90	0.005							
		172.9-176.9: 30% Qz veins; 30% dark chlorite bands.	10042	171.90	172.90	1.00	0.005							
			10043	172.90	173.90	1.00	0.005							
			10044	173.90	174.90	1.00	0.005							
			10045	174.90	175.90	1.00	0.005							
			10046	175.90	176.90	1.00	0.005							
176.9	192.0	INTERMEDIATE TO FELSIC LAPILLI TUFF												
		Banded Green to Grey	10047	176.90	178.00	1.10	0.005							
		Lapilli: 60%; strong carbonatized fragments.	10048	178.00	179.00	1.00	0.005							
		Matrix: 40%; chloritised	10049	179.00	180.00	1.00	0.005							
		Aphanitic to Very Fine Grained	10050	180.00	181.00	1.00	0.005							
		Banding at 70 Deg. Cax.	10051	181.00	182.00	1.00	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Schistosity at 70 Deg. Cax. Weakly Fractured (2 Fractures/Meter) 1% Quartz-Carbonate Veining -- Avg. Width 1cm Pyrite: (vfg) Chalcopyrite: (vfg) Fe-Mg Carbonate Alteration: strong; especially in fragments. Chlorite Alteration: strong in matrix. Non Magnetic Very elongated fragments masked by the strong Fe-Mg carbonate alteration; average width (1cm). ----------Sub Units---------- 185.0 192.0 SERICITISED INTER. TO FELSIC TUFF Sericite Alteration: moderate to strong in matrix Few Qtz eyes are visible (1mm): 1%.												
192.0	212.8	FELSIC LAPILLI TUFF (QTZ EYES) Same as 66.7-176.9 3% Quartz Veining -- Avg. Width 2cm Few volcanic bombs with 15% Qtz eyes (2mm); width : 5cm.	10052 10053 10054 10055	194.00 195.00 199.80 205.80	195.00 196.00 200.90 206.80	1.00 1.00 1.10 1.00	0.005 0.005 0.005 0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10056	206.80	207.40	0.60	0.005							
212.8	219.6	**MAFIC ASH TUFF/SCHISTOSE BASALT** Dark Grey Very Fine Grained Banding at 70 Deg. Cax. Schistosity at 70 Deg. Cax. Moderately Fractured (10 Fractures/Meter) 3% Quartz-Carbonate Veining at 30 Deg. Cax. -- Avg. Width 5mm Pyrite: (vfg) Carbonate Alteration: strong; pervasive Chlorite Alteration: moderate; pervasive Non Magnetic	10057	218.80	219.50	0.70	0.005							
219.6	222.7	**MASSIVE BASALT** Dark Green Very Fine Grained Massive Weakly Fractured (2 Fractures/Meter) Carbonate Alteration: calcitic; strong; pervasive. Chlorite Alteration: moderate; pervasive Non Magnetic Narrow (3-5cm) felsic bands or fragments containing 2-4% Qtz eyes noted in places.												
222.7	224.6	**MAFIC ASH TUFF/SCHISTOSE BASALT** Same as 212.8-219.6												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
224.6	236.0	FELSIC LAPILLI TUFF (QTZ EYES)												
		Same as 192.0-212.8												
		----------Sub Units----------												
		228.5 236.0 CHLORITISED ZONE												
		Same as 62.25-66.7												
		Light Grey to Green	10058	228.50	229.50	1.00	0.005							
		Pyrite: 1%; 1 to 2mm cubes.												
		Carbonate Alteration: strong; pervasive.												
		Chlorite Alteration: pervasive at core; diss. at margins												
			10059	229.50	230.50	1.00	0.005							
		234.8-235.2: chert zone.	10060	230.50	231.50	1.00	0.005							
			10061	231.50	232.50	1.00	0.005							
			10062	232.50	233.50	1.00	0.005							
			10063	233.50	234.50	1.00	0.005							
			10064	234.50	235.50	1.00	0.005							
			10065	235.50	236.00	0.50	0.005							
236.0	255.1	FELSIC LAPILLI TUFF												
		Banded Grey to Green												
		Lapilli: 40 to 90% felsic fragments	10066	242.40	243.40	1.00	0.005							
		Matrix: 10 to 60%; chloritised	10067	243.40	244.40	1.00	0.005							
		Aphanitic to Very Fine Grained	10068	244.40	245.40	1.00	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Banding at 70 Deg. Cax.	10069	245.40	246.40	1.00	0.005							
		Schistosity at 70 Deg. Cax.	10070	246.40	246.80	0.40	0.005							
		Pyrite: locally 1%												
		Silica Alteration: dark grey zone	10071	248.30	249.30	1.00	0.005							
		Chlorite Alteration: strongly pervasive in matrix.	10072	249.30	250.30	1.00	0.005							
		Carbonate Alteration: strongly pervasive in fragments.	10073	250.30	250.70	0.40	0.005							
		Sericite Alteration: locally in matrix												
		Non Magnetic	10074	252.00	253.00	1.00	0.005							
		Very elongated fragments; 7mm average width.	10075	254.00	254.60	0.60	0.005							
			10076	255.00	256.00	1.00	0.005							
255.1	258.2	CHLORITISED BASALT												
		Dark Green	10077	256.00	257.00	1.00	0.005							
		Very Fine Grained												
		Schistosity at 70 Deg. Cax.												
		15% Quartz-Carbonate Veining at 70 Deg. Cax. -- Avg. Width 2cm												
		Chlorite Alteration: strongly pervasive												
		Carbonate Alteration: strongly pervasive												
		Non Magnetic												
		ASSAY SAMPLE INTERVAL: 10001-10078												
		LITHOGEOCHEM SAMPLE INTERVAL: 1435-15-01 to 1435-15-28												
258.2		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
15-01	42.30	52.30	10.00	1																										
15-02	52.30	62.25	9.95	nil																										
15-03	62.25	66.70	4.45	nil																										
15-04	66.70	75.00	8.30	nil																										
15-05	75.00	85.00	10.00	nil																										
15-06	85.00	95.00	10.00	nil																										
15-07	95.00	105.00	10.00	2																										
15-08	105.00	114.75	9.75	nil																										
15-09	114.75	115.23	0.48	nil																										
15-10	115.23	124.65	9.42	2																										
15-09	124.65	124.80	0.15	nil																										
15-11	124.80	135.00	10.20	nil																										
15-12	135.00	140.00	5.00	nil																										
15-13	140.00	150.00	10.00	nil																										
15-14	150.00	160.00	10.00	nil																										
15-15	160.00	167.45	7.45	nil																										
15-16	167.45	176.90	9.45	2																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
15-17	176.90	185.00	8.10	1																										
15-18	185.00	192.00	7.00	nil																										
15-19	192.00	202.00	10.00	nil																										
15-20	202.00	212.80	10.80	nil																										
15-21	212.80	219.60	6.80	nil																										
15-22	219.60	222.70	3.10	nil																										
15-23	222.70	224.60	1.90	6																										
15-24	224.60	228.50	3.90	nil																										
15-25	228.50	236.00	7.50	nil																										
15-26	236.00	245.00	9.00	nil																										
15-27	245.00	255.10	10.10	nil																										
15-28	255.10	258.20	3.10	nil																										

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10001	51.50	52.50	1.00	sericitised zone
10002	56.50	57.50	1.00	sericitised zone
10003	58.40	59.40	1.00	Qz veins
10004	62.00	63.00	1.00	alt. zone; sericite
10005	63.00	64.00	1.00	alt. zone; sericite
10006	64.00	65.00	1.00	alt. zone; sericite
10007	65.00	66.00	1.00	alt. zone; sericite
10008	66.00	67.00	1.00	alt. zone; sericite
10009	73.00	74.00	1.00	Qz-Carb. veins
10010	77.00	78.00	1.00	Qz-Carb. veins
10011	78.00	79.00	1.00	Qz-Carb. veins
10012	83.00	84.00	1.00	Qz-Carb. veins
10013	87.80	89.00	1.20	Qz-Carb. veins
10014	89.00	90.00	1.00	Qz-Carb. veins
10015	90.00	91.00	1.00	Qz-Carb. veins
10016	94.00	95.00	1.00	Qz-Carb. veins; py 1%
10017	95.00	95.60	0.60	Qz-Carb. veins; py 1%
10018	102.00	103.00	1.00	Qz-Carb. veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10019	109.00	109.50	0.50	Qz eyes
10020	114.00	115.00	1.00	sericite; py 1%
10021	115.00	116.00	1.00	Qz veins
10022	116.00	117.00	1.00	sericite; py 1%
10023	122.00	122.50	0.50	Qz-Carb. veins; py 1%
10024	125.00	126.00	1.00	Qz veins; py 1%
10025	128.00	128.80	0.80	Qz-Carb. veins; cpy 1%
10026	136.50	137.50	1.00	Qz-Carb. veins
10027	138.20	139.20	1.00	Qz-Carb. veins
10028	140.80	141.80	1.00	Carb. veins
10029	145.80	146.20	0.40	black chlorite; py 1%
10030	147.00	147.80	0.80	black chlorite
10031	149.00	150.00	1.00	Qz veins; py 1%
10032	150.00	150.50	0.50	black chlorite
10033	152.30	153.30	1.00	black chlorite
10034	157.00	158.00	1.00	sericite; silica
10035	158.00	159.00	1.00	sericite; silica
10036	159.00	160.00	1.00	sericite; silica

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10037	160.00	161.00	1.00	sericite; silica; py 1%
10038	167.00	168.00	1.00	sericite
10039	168.00	169.00	1.00	sericite
10078	169.00	170.00	1.00	sericite
10040	170.00	171.00	1.00	sericite
10041	171.00	171.90	0.90	sericite
10042	171.90	172.90	1.00	sericite
10043	172.90	173.90	1.00	black chlorite
10044	173.90	174.90	1.00	black chlorite
10045	174.90	175.90	1.00	black chlorite
10046	175.90	176.90	1.00	black chlorite
10047	176.90	178.00	1.10	Qz veins
10048	178.00	179.00	1.00	carb. Fe
10049	179.00	180.00	1.00	Carb. Fe
10050	180.00	181.00	1.00	Qz-Carb. veins
10051	181.00	182.00	1.00	Carb. Fe
10052	194.00	195.00	1.00	Qz veins
10053	195.00	196.00	1.00	Qz veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10054	199.80	200.90	1.10	Qz-Carb. veins
10055	205.80	206.80	1.00	Qz-Carb. veins
10056	206.80	207.40	0.60	Qz-Carb. veins
10057	218.80	219.50	0.70	sericite
10058	228.50	229.50	1.00	alt. zone
10059	229.50	230.50	1.00	alt. zone
10060	230.50	231.50	1.00	alt. zone
10061	231.50	232.50	1.00	alt. zone
10062	232.50	233.50	1.00	alt. zone
10063	233.50	234.50	1.00	alt. zone
10064	234.50	235.50	1.00	chert zone
10065	235.50	236.00	0.50	py 5%
10066	242.40	243.40	1.00	alt. zone; py 1%
10067	243.40	244.40	1.00	alt. zone; py 1%
10068	244.40	245.40	1.00	pyrite
10069	245.40	246.40	1.00	alt. zone
10070	246.40	246.80	0.40	Carb. veins
10071	248.30	249.30	1.00	pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10072	249.30	250.30	1.00	pyrite
10073	250.30	250.70	0.40	pyrite
10074	252.00	253.00	1.00	Qz veins
10075	254.00	254.60	0.60	Qz-Carb. veins
10076	255.00	256.00	1.00	Qz-Carb. veins
10077	256.00	257.00	1.00	Carb. veins

LES EXPLORATIONS NORANCO INC.

H-1435-016

10-08-1987::13:15

DIAMOND DRILL LOG

COPIE FINALE

Property:	Vior North (P-1435)	NTS:	32 E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	426312-2	Coordinates:	51+00E , 15+97S MTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	252.1 meters
Logged By:	Z. Madon	Casing:	Out	Elevation:	310 meters
Date Started:	July 24 1987	Date Completed:	July 29 1987	Date Logged:	July 31 1987
Core Location:	St-Janvier	Samples Shipped:	Aug. 11 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	49.2 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	61 m		-50 deg.
# 2.	122 m		-47 deg.
# 3.	183 m		-45 deg.
# 4.	244 m		-43 deg.

Purpose

Test NE break (mag & IP defined) 100 m. west of old DDH with anomalous Au values ; drill across broad mag low zone.
Interpreted to be within base of felsic volcanic unit overlying narrow sedimentary interval.

Conclusions

Intersected predominantly felsic lapilli/block tuff ; siliceous rhyolite porphyry at 76.4-138.0 explains mag low.
No major fault zone outlined ; hole intersected a few minor N-dipping (@-55 to -70 deg.) quartz veins and 2 narrow fault gouges.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	49.2	OVERBURDEN		
49.2	74.2	FELSIC LAPILLI/BLOCK TUFF	Pyrite (trace; fg-mg) Limonite (patchy; assoc)	Sericite (weak; pervasi) Chlorite (weak; patchy;) Carbonate (weak-moderate) Fe-Mg Carbonate (weak; patchy) Silica (weak; adjacen)
49.2	49.7	MAFIC LAMPROPHYRE	Pyrite (trace-1%; fin)	Chlorite (moderate; per) Carbonate (moderate-stro) Biotite (minor fine-gr)
50.0	50.1	MAFIC LAMPROPHYRE	Pyrite (1-2%; fine-gr)	
62.3	62.5	MAFIC INTRUSIVE	Pyrite (trace-1%; med)	Chlorite (moderate; per) Carbonate (moderate-stro)
70.2	72.1	FELSIC LAPILLI TUFF (CHLORITIC MATRIX)	Pyrite (trace-1%; dis)	Chlorite (moderate-stro) Sericite (weak; patchy) Carbonate (moderate; wit)
74.2	76.4	SHEARED MAFIC INTRUSIVE (?)	Pyrite (trace-1%; pat) Limonite (minor along f)	Leucoxene (3-5%; fine-gr) Carbonate (moderate-stro) Chlorite (moderate; per) Silica (confined to w)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
76.4	138.0	PORPHYRITIC RHYOLITE	Pyrite (trace-1%; dis) Limonite (weak; fractur)	Silica (pervasive; mo) Yellow-Green Sericite (weak; patchy) Chlorite (weak as disse) Carbonate (weak; patchy)
76.6	76.7	MAFIC LAMPROPHYRE		Biotite (5-10%; fg-mg)
80.6	80.7	MAFIC LAMPROPHYRE		Biotite (5-10%; fg-mg)
86.1	88.1	QUARTZ-TOURMALINE VEIN	Pyrite (trace; near c)	
110.9	113.7	MAFIC LAMPROPHYRE ZONE		Biotite (5-10%; fg-mg)
120.5	120.6	MAFIC LAMPROPHYRE	Pyrite (1%; fg-mg; di)	Biotite (5-10%; fg-mg)
138.0	172.8	FELSIC LAPILLI/BLOCK TUFF (CHLORITIC MATRIX)	Pyrite (trace-1%; fg-) Chalcopyrite (trace; speck)	Chlorite (weak-moderate) Carbonate (weak-moderate) Silica (weak; patchy) Sericite (weak; patchy)
140.5	140.9	MAFIC LAMPROPHYRE		Biotite (10-15%; mg to)
152.2	152.4	MAFIC LAMPROPHYRE		Biotite (10-15%; mg to)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
172.8	189.6	FELSIC CRYSTAL LAPILLI/BLOCK TUFF	Pyrite (trace; fg)	Silica (moderate; per) Yellow-Green Sericite (weak within m) Chlorite (weak; patchy) Carbonate (weak; spotty)
189.6	248.3	FELSIC LAPILLI/BLOCK TUFF (CHLORITIC MATRIX)	Pyrite (trace-1%; fg-) Magnetite (5-10% between)	Chlorite (moderate-stro) Silica (weak; patchy) Carbonate (moderate-stro) Sericite (weak; patchy)
198.0	206.2	FELSIC CRYSTAL LAPILLI/BLOCK TUFF	Pyrite (trace; fg-mg;)	Silica (moderate; per) Yellow-Green Sericite (weak within m) Chlorite (weak; patchy) Carbonate (weak; spotty)
209.8	210.7	MAFIC LAMPROPHYRE		Biotite (5-10% mg diss)
212.3	213.3	MAFIC LAMPROPHYRE		
214.6	214.8	MAFIC LAMPROPHYRE		
216.3	216.9	MAFIC LAMPROPHYRE		
244.4	245.0	MAFIC LAMPROPHYRE		
248.3	252.1	MAFIC VOLCANIC FLOW	Pyrite (1%; fg-mg dis)	Chlorite (moderate-stro) Carbonate (moderate; spo) Leucoxene (weak; fg spec)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
	252.1	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	49.2	OVERBURDEN												
49.2	74.2	FELSIC LAPILLI/BLOCK TUFF												

Light Grey to Tan
Lapilli: 50-60%; light grey
Bombs: 10-20%; scattered
Matrix: 20-30%; grey-green; locally porphyritic (plagioclase)
Fine to Medium Grained
Schistosity at 70-75 Deg. Cax.
Lower Contact at 72 Deg. Cax.
5% Quartz-Carbonate Veining at 55-70 Deg. Cax. -- Avg. Width 2-3 cm.
Pyrite: trace; fg-mg cubes
Limonite: patchy; associated with fractures & qc veins
Sericite Alteration: weak; pervasive in matrix
Chlorite Alteration: weak; patchy; increases with depth
Carbonate Alteration: weak-moderate; patchy; locally pervasive
Fe-Mg Carbonate Alteration: weak; patchy
Silica Alteration: weak; adjacent to mafic dykes
Non Magnetic
Non Conductive

Lapilli fragments are highly stretched parallel to S2 (10:1 length:width ratio); average width: 10 mm. (range: 2-40 mm.).
Matrix is generally fine-grained to aphanitic with minor quartz and plagioclase crystals.
S2 generally well developed throughout unit.
Fracturing almost exclusively parallel to S2.

----------Sub Units----------

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		49.2 49.7 MAFIC LAMPROPHYRE												
		Mottled Dark Green Matrix: 70%; dark green; fine-grained Plagioclase: 30%; 2-3 mm. phenocrysts Quartz: trace Fine to Medium Grained Massive Pyrite: trace-1%; fine-grained; disseminated Chlorite Alteration: moderate; pervasive Carbonate Alteration: moderate-strong; pervasive Biotite Alteration: minor fine-grained flakes Non Magnetic Non Conductive	10079	49.20	50.20	1.00	nil							
		Lower contact with felsic tuff obscured - ground core.												
		50.0 50.1 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7	10080	50.20	51.20	1.00	nil							
		Lower Contact at 70 Deg. Cax.	10081	51.20	52.20	1.00	nil							
		Pyrite: 1-2%; fine-grained; disseminated	10082	52.20	53.20	1.00	nil							
			10083	53.20	54.20	1.00	nil							
		Lower contact parallel to S2.	10084	61.60	62.10	0.50	nil							
			10085	62.10	62.60	0.50	nil							
		62.3 62.5 MAFIC INTRUSIVE												
		Dark Green	10086	62.60	63.60	1.00	nil							
		Matrix: 85-95%; dark green	10087	63.60	64.60	1.00	nil							
		Plagioclase: 5-10%; generally less than 1 mm.												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Fine Grained	10088	69.90	70.90	1.00	nil							
		Massive												
		Contacts at 75-85 Deg. Cax.												
		25-30% Quartz-Carbonate Veining at 60-75 Deg. Cax. -- Avg. Width 2-3 cm.												
		Pyrite: trace-1%; medium-grained (minor coarse-grained) cubes												
		Chlorite Alteration: moderate; pervasive												
		Carbonate Alteration: moderate-strong; pervasive												
		Non Magnetic												
		Non Conductive												
		Cut by narrow (1-3 cm.) quartz-carbonate veins.												
70.2	72.1	**FELSIC LAPILLI TUFF (CHLORITIC MATRIX)**												
		Banded Light-Grey to Dark-Green	10089	70.90	71.90	1.00	nil							
		Lapilli: 40-50%; light grey	10090	71.90	72.90	1.00	nil							
		Matrix: 50-60%; dark green	10091	72.90	73.90	1.00	nil							
		Schistosity at 75 Deg. Cax.	10092	73.90	74.40	0.50	nil							
		Pyrite: trace-1%; disseminated mg-cg cubes												
		Chlorite Alteration: moderate-strong; patchy												
		Sericite Alteration: weak; patchy												
		Carbonate Alteration: moderate; within both fragments and matrix												
		Non Magnetic												
		Non Conductive												
		Upper and lower contacts are gradational.												
		Lapilli fragments are similar to fragments in main unit.												
74.2	76.4	**SHEARED MAFIC INTRUSIVE (?)**												
		Banded Light-Grey to Dark-Green												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Matrix: 70%; chloritic	10093	75.40	76.40	1.00	nil							
		Carbonate: 30%; streaks parallel to shearing												
		Quartz Eyes: trace												
		Fine Grained												
		Shearing at 75 Deg. Cax.												
		Contacts at 70-75 Deg. Cax.												
		<1% Quartz-Carbonate Veining variable -- Avg. Width 5 mm.												
		Pyrite: trace-1%; patchy; near quartz veins												
		Limonite: minor along fractures and weathered veins												
		Leucoxene Alteration: 3-5%; fine-grained; disseminated												
		Carbonate Alteration: moderate-strong; mm. bands parallel to shearing												
		Chlorite Alteration: moderate; pervasive												
		Silica Alteration: confined to wallrock near veins												
		Non Magnetic												
		Non Conductive												
		Minor felsic fragments near upper and lower contacts; stretched parallel to shearing.												
		Contacts are marked by narrow quartz veins parallel to the direction of shearing.												
		Shearing is parallel to the regional schistosity (S2).												
		The fine-grained disseminated beige to dark yellow leucoxene crystals are the distinguishing feature of this unit.												
		76.3: 5 cm. fault gouge.												
76.4	138.0	**PORPHYRITIC RHYOLITE**												
		Mottled Light-Grey to Light-Green	10094	76.40	77.40	1.00	nil							
		Matrix: 80-90%; siliceous												
		Plagioclase: 10-15%; 2-10 mm.; pervasive												
		Quartz: 5-10%; 1-3 mm.; patchy												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Porphyritic with Aphanitic Matrix Massive Lower Contact gradational 5-7% Quartz-Carbonate Veining variable -- Avg. Width 2-10 cm. Pyrite: trace-1%; disseminated fg-mg cubes; up to 1 cm. Limonite: weak; fracture/vein-controlled Silica Alteration: pervasive; moderate to locally intense Yellow-Green Sericite Alteration: weak; patchy Chlorite Alteration: weak as disseminated specks Carbonate Alteration: weak; patchy Non Magnetic Non Conductive Locally brecciated texture with increased sericite and chlorite alteration (i.e. @ 99.2; 130.8) appears to be flow-related feature. The large pervasive white plagioclase phenocrysts are a distinctive feature of this unit. Euhedral pyrite cubes with triangular cross-sections are indicative of an explosive volcanic regime. Unit is moderately banded near upper and lower contacts (70-75 deg. cax). 76.4-77.9: moderately chloritised. ----------Sub Units----------												
		76.6 76.7 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7 Contacts at 70-75 Deg. Cax. Biotite Alteration: 5-10%; fg-mg disseminated flakes	10095 10096 10097 10098	77.40 78.40 79.40 80.40	78.40 79.40 80.40 81.40	1.00 1.00 1.00 1.00	nil nil nil nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		5 cm. rhyolite xenolith within unit.												
		80.6 80.7 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7	10099	81.40	82.40	1.00	nil							
		Contacts at 70-75 Deg. Cax.	10100	82.40	83.40	1.00	nil							
		Biotite Alteration: 5-10%; fg-mg disseminated flakes	10101	83.40	84.40	1.00	nil							
			10102	84.40	85.40	1.00	nil							
			10103	85.40	86.10	0.70	nil							
		86.1 88.1 QUARTZ-TOURMALINE VEIN												
		Quartz: 95%; white	10104	86.10	87.10	1.00	nil							
		-: tourmaline; 5%; fg-aph	10105	87.10	88.10	1.00	nil							
		Sulphides: trace pyrite	10106	88.10	89.10	1.00	nil							
		Massive	10107	89.10	90.10	1.00	nil							
		Contacts at 10 Deg. Cax.	10108	90.10	91.10	1.00	nil							
		Pyrite: trace; near contacts	10109	91.10	92.10	1.00	nil							
			10110	92.10	93.10	1.00	nil							
		Actual width of vein is approximately 40 cm.; dipping to the N at 35-55 deg.	10111	93.10	94.10	1.00	nil							
			10112	94.10	95.10	1.00	nil							
		Adjacent rhyolite is carbonatized for up to 2 m.	10113	95.10	96.10	1.00	nil							
			10114	96.10	97.10	1.00	nil							
			10115	97.10	98.10	1.00	nil							
			10116	98.10	99.10	1.00	nil							
			10117	99.10	100.10	1.00	nil							
			10118	100.10	101.10	1.00	nil							
			10119	101.10	102.10	1.00	nil							
			10120	102.10	103.10	1.00	nil							
			10121	103.10	104.10	1.00	nil							
			10122	104.10	105.10	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10123	105.10	106.10	1.00	nil							
			10124	106.10	107.10	1.00	nil							
			10125	107.10	108.10	1.00	nil							
			10126	108.10	109.10	1.00	nil							
			10127	109.10	110.10	1.00	nil							
			10128	110.10	110.80	0.70	nil							
			10129	110.80	111.20	0.40	nil							
110.9	113.7	**MAFIC LAMPROPHYRE ZONE**												
		Same as 49.2-49.7	10130	111.20	112.00	0.80	nil							
		Contacts at 80-90 Deg. Cax.	10131	112.00	113.00	1.00	nil							
		Biotite Alteration: 5-10%; fg-mg disseminated flakes	10132	113.00	114.00	1.00	nil							
			10133	114.00	115.00	1.00	nil							
		4 separate intrusives within this interval @ 110.93-111.06;	10134	115.00	116.00	1.00	nil							
		111.2-112.0; 112.27-112.35; 113.5-113.7.	10135	116.00	117.00	1.00	nil							
		Contacts with adjacent rhyolites are sharp in all cases.	10136	117.00	118.00	1.00	nil							
			10137	118.00	119.00	1.00	nil							
			10138	119.00	120.00	1.00	nil							
			10139	120.00	121.00	1.00	nil							
120.5	120.6	**MAFIC LAMPROPHYRE**												
		Same as 49.2-49.7	10140	121.00	122.00	1.00	nil							
		Pyrite: 1%; fg-mg; disseminated	10141	122.00	123.00	1.00	nil							
		Biotite Alteration: 5-10%; fg-mg disseminated flakes	10142	123.00	124.00	1.00	nil							
			10143	124.00	125.00	1.00	nil							
			10144	125.00	126.00	1.00	nil							
			10145	126.00	127.00	1.00	nil							
			10146	127.00	128.00	1.00	nil							
			10147	128.00	129.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10148	129.00	130.00	1.00	nil							
			10149	130.00	131.00	1.00	nil							
			10150	131.00	132.00	1.00	nil							
			10151	132.00	133.00	1.00	nil							
			10152	133.00	134.00	1.00	nil							
			10153	134.00	135.00	1.00	nil							
			10154	135.00	136.00	1.00	nil							
			10155	136.00	137.00	1.00	nil							
			10156	137.00	138.00	1.00	nil							
138.0	172.8	FELSIC LAPILLI/BLOCK TUFF (CHLORITIC MATRIX)												
		Same as 70.2-72.1												
		Banded Light-Grey to Dark-Green	10157	139.50	140.50	1.00	nil							
		Lapilli: 40%; felsic												
		Bombs: 5-10%; felsic												
		Matrix: 50-55%; chloritic												
		Fine Grained												
		Schistosity at 80-85 Deg. Cax.												
		Lower Contact gradational												
		<1% Quartz-Carbonate Veining variable -- Avg. Width 5-10 mm.												
		Pyrite: trace-1%; fg-mg; locally cg												
		Chalcopyrite: trace; speck @ 147.1 noted												
		Chlorite Alteration: weak-moderate; pervasive												
		Carbonate Alteration: weak-moderate; pervasive												
		Silica Alteration: weak; patchy												
		Sericite Alteration: weak; patchy												
		Non Magnetic												
		Non Conductive												
		Fragments (predominantly lapilli size; minor bombs) are												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		highly stretched parallel to S2; generally light grey and weakly to moderately porphyritic (quartz and plagioclase phenocrysts). Weakly to moderately silicified local narrow intervals -- often associated with mafic lamprophyre dykes. Coarse-grained recrystallized pyrite generally within the tuffs adjacent to these dykes. 164.5: fault gouge; associated with quartz veining and zone of increased sericitic alteration.												
		----------Sub Units----------												
		140.5 140.9 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7	10158	140.50	140.93	0.43	nil							
		Massive	10159	140.93	141.63	0.70	nil							
		Contacts at 80 Deg. Cax.												
		Biotite Alteration: 10-15%; mg to locally cg disseminated flakes	10160	143.70	144.20	0.50	nil							
			10161	151.70	152.17	0.47	nil							
		Upper and lower contacts are roughly concordant with schistosity.												
		152.2 152.4 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7	10162	152.17	152.40	0.23	nil							
		Massive	10163	152.40	152.90	0.50	nil							
		Contacts at 80 Deg. Cax.												
		Biotite Alteration: 10-15%; mg to locally cg disseminated flakes	10164	154.90	155.90	1.00	nil							
			10165	156.60	157.30	0.70	nil							
		Upper and lower contacts roughly concordant with												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		schistosity.	10166	158.70	159.20	0.50	nil							
			10167	164.00	164.70	0.70	nil							
			10168	166.40	166.90	0.50	nil							
172.8	189.6	**FELSIC CRYSTAL LAPILLI/BLOCK TUFF**												
		Banded Light-Grey to Light-Green Lapilli: 50-60%; porphyritic Bombs: 30-35%; porphyritic Matrix: 10-15%; sericitic Fine to Medium Grained Schistosity at 85 Deg. Cax. Lower Contact gradational <1% Quartz-Carbonate Veining at 60 Deg. Cax. -- Avg. Width 1-3 cm. Pyrite: trace; fg Silica Alteration: moderate; pervasive Yellow-Green Sericite Alteration: weak within matrix Chlorite Alteration: weak; patchy Carbonate Alteration: weak; spotty Non Magnetic Non Conductive	10169	188.40	189.40	1.00	nil							
		Porphyritic texture (predominantly plagioclase and locally quartz) noted in fragments as well as in matrix. Plagioclase crystals are hypidiomorphic; 1-4 mm.												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Quartz crystals are clear and generally < 2 mm. Quartz veins intersect S2 @ 40 deg. 176.5-176.6: narrow mafic lamprophyre; concordant with S2.												
189.6	248.3	FELSIC LAPILLI/BLOCK TUFF (CHLORITIC MATRIX)												
		Same as 138.0-172.8 Banded Dark-Green to Blue-Grey Fine to Medium Grained Schistosity at 80-85 Deg. Cax. Lower Contact gradational <1% Quartz-Carbonate Veining variable -- Avg. Width 1-3 cm. Pyrite: trace-1%; fg-mg; disseminated Magnetite: 5-10% between 209.5 and 217.3 Chlorite Alteration: moderate-strong; pervasive Silica Alteration: weak; patchy Carbonate Alteration: moderate-strong; pervasive Sericite Alteration: weak; patchy Moderately Magnetic at 209.5-217.3 Non Conductive	10170	195.70	196.00	0.30	nil							
		Lapilli fragments are locally a distinctive blue-grey "cherty" colour (i.e. @ 210.7-212.3 ; 237.0-243.0). Fragments become progressively smaller and matrix:fragment ratio increases towards lower gradational contact. Increase in spotted calcareous alteration towards base; associated with 1-4 mm. grey-brown phenocrysts. 209.5-217.3 : weakly to moderately magnetic; magnetite is disseminated in matrix and locally concentrated in 1-3 cm. wide bands parallel to S2; appears to be associated with mafic lamprophyre dykes.													
		----------Sub Units----------												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		198.0 206.2 FELSIC CRYSTAL LAPILLI/BLOCK TUFF												
		Same as 172.8-189.6												
		Banded Light-Brown to Green-Grey	10171	198.50	199.00	0.50	nil							
		Lapilli: 50-60%; porphyritic												
		Bombs: 10-15%; porphyritic	10172	209.30	209.80	0.50	nil							
		Matrix: 25-30%; sericitic												
		Schistosity at 80-85 Deg. Cax.												
		Contacts gradational												
		Pyrite: trace; fg-mg; disseminated												
		Silica Alteration: moderate; pervasive												
		Yellow-Green Sericite Alteration: weak within matrix												
		Chlorite Alteration: weak; patchy												
		Carbonate Alteration: weak; spotty												
		Non Magnetic												
		Non Conductive												
		Unit is similar to CRYSTAL TUFF @ 172.8-189.6 although quartz crystals (2-4 mm.) predominate here.												
		209.8 210.7 MAFIC LAMPROPHYRE												
		Same as 49.2-49.7	10173	209.80	210.70	0.90	nil							
		Massive	10174	210.70	211.70	1.00	nil							
		Contacts at 80-85 Deg. Cax.	10175	211.70	212.30	0.60	nil							
		Biotite Alteration: 5-10% mg disseminated flakes												
		Non Magnetic												
		Non Conductive												
		Contains scattered mafic xenoliths (3-5 cm.).												
		212.3 213.3 MAFIC LAMPROPHYRE												
		Same as 209.8-210.7	10176	212.30	213.30	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10177	213.30	214.30	1.00	nil							
			10178	214.30	215.30	1.00	nil							
		214.6 214.8 MAFIC LAMPROPHYRE												
		Same as 209.8-210.7	10179	215.30	216.30	1.00	nil							
		216.3 216.9 MAFIC LAMPROPHYRE												
		Same as 209.8-210.7	10180	216.30	216.90	0.60	nil							
			10181	216.90	217.90	1.00	nil							
		Contacts less distinctive.	11021	230.80	231.80	1.00	nil							
			11022	231.80	232.80	1.00	nil							
			11023	232.80	233.80	1.00	nil							
			11093	233.80	234.80	1.00	nil							
			11024	234.80	235.80	1.00	nil							
			11025	235.80	236.80	1.00	nil							
			10182	236.80	237.80	1.00	1.80							
			10183	237.80	238.80	1.00	nil							
			10184	238.80	239.80	1.00	nil							
			10185	239.80	240.80	1.00	nil							
			10186	240.80	241.80	1.00	nil							
			10187	241.80	242.80	1.00	nil							
			11026	242.80	243.80	1.00	nil							
			11027	243.80	244.80	1.00	nil							
		244.4 245.0 MAFIC LAMPROPHYRE												
		Same as 209.8-210.7	11028	244.80	245.80	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11029	245.80	246.80	1.00	nil							
		Contacts less distinctive.	11030	246.80	247.80	1.00	nil							
			11031	247.80	248.80	1.00	nil							
248.3	252.1	**MAFIC VOLCANIC FLOW**												
		Dark Green	11032	248.80	249.30	0.50	nil							
		Mafic Minerals: 30-40%; chloritised												
		Plagioclase: 25-30%; fg phenocrysts predominantly												
		Carbonate: 25-30%; alteration of plagioclase phenocrysts												
		Fine to Medium Grained												
		Massive												
		<1% Quartz-Carbonate Veining variable -- Avg. Width 5-10 mm.												
		Pyrite: 1%; fg-mg disseminated cubes												
		Chlorite Alteration: moderate-strong; pervasive												
		Carbonate Alteration: moderate; spotted												
		Leucoxene Alteration: weak; fg specks												
		Non Magnetic												
		Non Conductive												
		Spotted carbonate alteration --- pseudomorphs after plagioclase phenocrysts (?).												
		SAMPLES INTERVALS												
		Fire Assay Samples : 1007 to 10187 / 11021 to 11032 / 11093												
		Lithogeochem Samples: 16-01 to 16-28												
		----------Sub Units----------												
		SAMPLE INTERVALS												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Fire Assay Samples : 11093												
		. : 10079 to 10187												
		. : 11021 to 11032												
		Lithogeochem Samples: 16-01 to 16-28												
252.1		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
16-01	49.20	49.70	0.50	nil																										
16-03	49.70	62.25	12.55	4																										
16-01	50.00	50.10	0.10	nil																										
16-01	62.25	62.50	0.25	nil																										
16-04	62.50	74.15	11.65	nil																										
16-02	70.20	72.10	1.90	nil																										
16-05	74.15	76.40	2.25	1																										
16-08	76.40	84.00	7.60	3																										
16-06	76.60	76.74	0.14	nil																										
16-06	80.60	80.70	0.10	nil																										
16-07	84.00	90.00	6.00	nil																										
16-09	90.00	100.00	10.00	nil																										
16-10	100.00	110.00	10.00	nil																										
16-11	110.00	120.00	10.00	nil																										
16-06	110.93	111.06	0.13	nil																										
16-06	111.20	112.00	0.80	nil																										
16-06	112.27	112.35	0.08	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
16-06	113.50	113.70	0.20	nil																										
16-12	120.00	130.00	10.00	nil																										
16-06	120.47	120.61	0.14	nil																										
16-13	130.00	138.00	8.00	nil																										
16-15	138.00	149.00	11.00	nil																										
16-14	140.50	140.93	0.43	nil																										
16-16	149.00	161.00	12.00	nil																										
16-14	152.17	152.40	0.23	nil																										
16-17	161.00	172.80	11.80	nil																										
16-18	172.80	181.00	8.20	2																										
16-14	176.50	176.60	0.10	nil																										
16-19	181.00	189.60	8.60	nil																										
16-23	189.60	198.00	8.40	nil																										
16-21	198.00	206.20	8.20	nil																										
16-24	206.20	209.50	3.30	nil																										
16-22	209.50	217.30	7.80	nil																										
16-20	209.80	210.70	0.90	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
16-20	212.30	213.30	1.00	nil																										
16-20	214.60	214.80	0.20	nil																										
16-20	216.30	216.90	0.60	nil																										
16-25	217.30	228.00	10.70	nil																										
16-26	228.00	238.00	10.00	nil																										
16-27	238.00	248.30	10.30	nil																										
16-20	244.40	245.00	0.60	nil																										
16-28	248.30	252.10	3.80	nil																										

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10079	49.20	50.20	1.00	tr-1% py; silicified
10080	50.20	51.20	1.00	tr py; silicified
10081	51.20	52.20	1.00	tr cg py; silicified; 5 cm. qv @ 51.6
10082	52.20	53.20	1.00	tr py; salified; 2 cm. qv @ 52.8
10083	53.20	54.20	1.00	tr py; salified; chlorite alt. @ 53.9-54.2
10084	61.60	62.10	0.50	2 qc veins (5 cm.; 3 cm.); parallel to S2
10085	62.10	62.60	0.50	tr-1% py; chloritised; 15% qc veins parallel to S2
10086	62.60	63.60	1.00	tr py; 15% qc veins
10087	63.60	64.60	1.00	10 cm. qc vein @ 64.3; parallel to S2; chloritised
10088	69.90	70.90	1.00	tr-1% py; chloritised
10089	70.90	71.90	1.00	tr-1% py; chloritised
10090	71.90	72.90	1.00	tr py; moderately silicified
10091	72.90	73.90	1.00	silicified; tr py; minor qc veinlets
10092	73.90	74.40	0.50	7 cm. qc vein @ 74.1; parallel to S2
10093	75.40	76.40	1.00	fault gouge; tr-1% py; minor qv
10094	76.40	77.40	1.00	sheared; tr py; chloritised; minor 3L
10095	77.40	78.40	1.00	tr py; chloritised
10098	80.40	81.40	1.00	minor 3L

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10099	81.40	82.40	1.00	tr-1% py
10100	82.40	83.40	1.00	tr-1% py
10102	84.40	85.40	1.00	lim. alt.
10103	85.40	86.10	0.70	idem
10104	86.10	87.10	1.00	qtz-tour vein; tr py
10105	87.10	88.10	1.00	qtz-tour vein
10106	88.10	89.10	1.00	lim. alt.
10107	89.10	90.10	1.00	idem
10108	90.10	91.10	1.00	tr-1% py
10113	95.10	96.10	1.00	minor qv
10114	96.10	97.10	1.00	minor qv; tr-1% py
10116	98.10	99.10	1.00	minor qv
10119	101.10	102.10	1.00	minor qv; tr-1% py
10121	103.10	104.10	1.00	7 cm. qv; tr py
10126	108.10	109.10	1.00	10 cm. qv
10127	109.10	110.10	1.00	10% qv; tr-1% py
10128	110.10	110.80	0.70	cg py (to 10 mm.); 8 cm. qv
10129	110.80	111.20	0.40	30% 3l

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10130	111.20	112.00	0.80	3L
10131	112.00	113.00	1.00	3L @ 112.3 (10 cm.); minor qv
10132	113.00	114.00	1.00	3L @ 113.5; tr cg py
10133	114.00	115.00	1.00	tr-1% py; locally cg
10136	117.00	118.00	1.00	10 cm. qv; lim. alt.
10137	118.00	119.00	1.00	tr-1% py
10138	119.00	120.00	1.00	weak carb. alt.
10139	120.00	121.00	1.00	3L @ 120.5 (15 cm.); 2% py
10140	121.00	122.00	1.00	tr-1% py
10141	122.00	123.00	1.00	minor qv
10143	124.00	125.00	1.00	tr-1% py; minor qv
10145	126.00	127.00	1.00	minor qv
10149	130.00	131.00	1.00	tr-1% py; locally brecciated
10150	131.00	132.00	1.00	minor qv
10152	133.00	134.00	1.00	tr-1% py
10153	134.00	135.00	1.00	minor qv; mod.-int. sil.
10154	135.00	136.00	1.00	brecciated; int. sil.; 15% qv
10155	136.00	137.00	1.00	int. sil. & brecciated; 20% qv

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10156	137.00	138.00	1.00	mod. sil.
10157	139.50	140.50	1.00	tr-1% py; mod. sil.
10158	140.50	140.93	0.43	3L; tr py
10159	140.93	141.63	0.70	tr-1% py; mod. sil.
10160	143.70	144.20	0.50	1 cm. qv (15 deg. cax); 2% cg py
10161	151.70	152.17	0.47	2-3% py; mg-vcg
10162	152.17	152.40	0.23	3L; tr py
10163	152.40	152.90	0.50	1-2% py; mg-cg
10164	154.90	155.90	1.00	5% qv; avg. 1 cm.; 0-25 deg. cax
10165	156.60	157.30	0.70	2 cm. qv; 15 deg. cax; lim. alt.
10166	158.70	159.20	0.50	tr-1% py; 3% qc veinlets
10167	164.00	164.70	0.70	fault gouge; 15% qv; strongly sericitic
10168	166.40	166.90	0.50	3 cm. qc vein (25 deg. cax); 2% py
10169	188.40	189.40	1.00	tr-1% py; 5% qv
10170	195.70	196.00	0.30	1 cm. qv (25 deg. cax); 10% cg py
10171	198.50	199.00	0.50	9 cm. qtz-carb-ser vein parallel to S2
10172	209.30	209.80	0.50	tr-1% py; magnetite
10173	209.80	210.70	0.90	3L; 1-2% py

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10174	210.70	211.70	1.00	tr-1% py; magnetite bands
10175	211.70	212.30	0.60	tr-1% py; magnetite; cherty fragments
10176	212.30	213.30	1.00	3L; 1% py
10177	213.30	214.30	1.00	tr-1% py; magnetite bands
10178	214.30	215.30	1.00	idem; includes 20 cm. 3L
10179	215.30	216.30	1.00	idem
10180	216.30	216.90	0.60	3L; tr-1% py
10181	216.90	217.90	1.00	tr-1% py; minor qv; magnetite
11021	230.80	231.80	1.00	idem
11022	231.80	232.80	1.00	idem
11023	232.80	233.80	1.00	idem
11093	233.80	234.80	1.00	idem
11024	234.80	235.80	1.00	idem
11025	235.80	236.80	1.00	idem
10182	236.80	237.80	1.00	cherty fragments; tr-1% py
10183	237.80	238.80	1.00	idem
10184	238.80	239.80	1.00	idem
10185	239.80	240.80	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10186	240.80	241.80	1.00	idem
10187	241.80	242.80	1.00	idem
11026	242.80	243.80	1.00	idem
11027	243.80	244.80	1.00	idem
11028	244.80	245.80	1.00	idem
11029	245.80	246.80	1.00	idem
11030	246.80	247.80	1.00	idem
11031	247.80	248.80	1.00	idem
11032	248.80	249.30	0.50	idem
16-01	49.20	49.70	0.50	idem
16-03	49.70	62.25	12.55	idem
16-01	50.00	50.10	0.10	idem

LES EXPLORATIONS NORAMCO INC.

H-1435-017

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DIAMOND DRILL LOG

Property:	Vior North (P-1435)	NTS:	32 E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442212-2	Coordinates:	45+14E , 20+65N MTM
Azimuth:	45 degrees	Dip:	-50 degrees	Length:	247.5 meters
Logged By:	Z. Madon	Casing:	In (9.14m BW)	Elevation:	319 meters
Date Started:	Aug. 4 1987	Date Completed:	Aug. 10 1987	Date Logged:	Aug. 11 1987
Core Location:	St-Janvier	Samples Shipped:	Aug. 15 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	33.5 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	61 m		-51 deg.
# 2.	122 m		-53 deg.
# 3.	183 m		-52 deg.
# 4.	244 m		-54 deg.

Purpose

Test strong deflection in SE-trending conductor within northern felsic volcanic band;
possibly related to same EW fault that returned 4.4g/t over 1.5m. in hole 1435-04.

Conclusions

Intersected 3 narrow oxide sulfide-carbonate(siderite) iron formation intervals within a massive mafic flow @
33.5-37.1; 103.0-104.8; 112.3-113.3(minor sphalerite & chalcopyrite)
and a pyrite-rich felsic lapilli tuff @ 202.9-208.1 (20-25% pyrite).
No major fault zones or quartz-vein zones encountered; minor narrow fault gouges between 177.2 & 239.4.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	33.5	OVERBURDEN		
33.5	142.3	MASSIVE (AMYGDALOIDAL) MAFIC FLOW	Pyrite (trace; locall) Magnetite (trace; patchy) Limonite (patchy; relat) Pyrrhotite (narrow semi-m) Sphalerite ((?); trace; d) Chalcopyrite (trace; fg spe)	Carbonate (moderate-stro) Chlorite (weak-moderate) Leucoxene (weak; patchy) Silica (locally weak-) Epidote (weak; patchy;)
33.5	37.1	CHERTY IRON FORMATION	Magnetite (15-20%; fg-ap) Pyrrhotite (5%; fg string) Pyrite (trace dissemi) Chalcopyrite (trace; fg spe) Limonite (moderate @ 34)	Fe-Mg Carbonate (weak-moderate) Chlorite (weak-moderate) Carbonate (weak; primari) Silica (weak-moderate)
103.0	104.8	CHERTY IRON FORMATION	Magnetite (15-20%; fg-ap) Pyrrhotite (5-7%; primari) Pyrite (trace; locall) Chalcopyrite (trace; associ)	Fe-Mg Carbonate (weak-locally) Chlorite (weak; primari) Carbonate (weak-moderate) Silica (weak; primari)
112.3	113.3	CHERTY IRON FORMATION	Magnetite (10%; fg-aphan) Pyrite (10%; stringer) Pyrrhotite (5%(approx.);) Sphalerite (1%; along 1-1)	Chlorite (moderate with) Carbonate (very weak; pa) Silica (weak near low)
122.8	129.3	INTERCALATED FELSIC PORPHYRITIC LAPILLI/BLOCK TUFF AND MINOR MAFIC FLOW	Pyrite (2-5%; dissemi) Pyrrhotite (trace-1%; loc)	Silica (moderate-stro) Chlorite (spotty within) Epidote (weak within m) Carbonate (moderately pe) Sericite (weak within m)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
142.3	168.6	FELSIC LAPILLI/BLOCK TUFF	Pyrite (2-3%; stringe) Pyrrhotite (trace-1%; loc)	Silica (moderate-loca) Yellow-Green Sericite (weak within m) Chlorite (weak-moderate) Carbonate (very weak; sp)
161.6	162.2	MAFIC INTRUSIVE	Pyrite (trace dissemi)	Chlorite (weak; pervasi) Carbonate (moderate; per)
168.6	176.6	MASSIVE MAFIC FLOW	Pyrite (trace fg diss)	Carbonate (moderate-stro) Chlorite (weak-moderate) Epidote (weak-moderate) Leucoxene (weak; pervasi) Hematite (weak; along f)
176.6	191.3	INTERCALATED MASSIVE MAFIC FLOW AND MINOR FELSIC LAPILLI/BLOCK TUFF	Pyrite (trace dissemi) Pyrrhotite (trace-1%; pri)	Silica (weak-moderate) Chlorite (weak; patchy) Leucoxene (weak; spotty) Sericite (weak within f)
191.3	216.2	GABBRO (MINOR BLUE QUARTZ EYES)	Pyrite (1%; mg-locall) Ilmenite ((?) 2-4%; dar) Magnetite (2-5%; fg-mg d)	Chlorite (moderate; per) Carbonate (moderate-stro) Leucoxene (5-10%; fg-mg) Epidote (weak; patchy;) Bleached (weak-moderate)
202.9	208.1	SULFIDE-RICH FELSIC LAPILLI TUFF	Pyrite (fg-locally cg)	Yellow-Green Sericite (moderate-loca) Silica (intense @ upp)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
216.2	247.5	FELSIC CRYSTAL TUFF	Pyrite (1-3%; fg diss) Pyrrhotite (trace-1%; fg)	Silica (moderate-loca) Sericite (very weak; ld) Carbonate (weak; spotty) Chlorite (very weak; sp)
219.7	221.1	GABBRO (MINOR BLUE QUARTZ EYES)	Pyrite (trace-1%; dis)	Chlorite (weak; pervasi) Bleached (moderate; per) Carbonate (strong; perva) Leucoxene (5-10%; pink t) Epidote (moderate; pat)
237.5	237.7	MAFIC INTRUSIVE	Pyrite (5-7%; fg; dis)	Carbonate (strong; perva) Bleached (moderate; per) Chlorite (weak)
	237.7	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	33.5	OVERBURDEN												
33.5	142.3	**MASSIVE (AMYGDALOIDAL) MAFIC FLOW** Mottled Dark-Green to Grey Mafic Minerals: 20-30%; chloritised Plagioclase: 20-30%; fg to locally mg phenocrysts Matrix: 40-50%; fg-aphanitic; chloritised Fine to Medium Grained Massive Lower Contact at 60 Deg. Cax. <1% Quartz-Carbonate Veining variable -- Avg. Width 2 mm.-5 cm. Pyrite: trace; locally disseminated fg cubes Magnetite: trace; patchy; increases near IF Limonite: patchy; related to fractures and vuggy intervals Pyrrhotite: narrow semi-massive intervals & stringers near IF Sphalerite: (?); trace; dark red-black; remobilized along fractures near IF Chalcopyrite: trace; fg specks in fractures and veins near IF Carbonate Alteration: moderate-strong; pervasive and locally fracture-controlled Chlorite Alteration: weak-moderate; patchy to locally pervasive Leucoxene Alteration: weak; patchy fg-mg spotted alteration Silica Alteration: locally weak-moderate; primarily near IF margins Epidote Alteration: weak; patchy; confined to quartz-carbonate veins Weakly Magnetic locally Non Conductive Generally fine-grained to aphanitic; locally phaneritic to													

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		weakly porphyritic resembling a gabbro (i.e. @ 48.0-59.0; 72.2-74.8; 79.0-91.0; 130.6-137.7).												
		Contacts between the 2 phases are virtually all gradational.												
		Amygdaloidal flow texture locally well developed over narrow intervals (i.e. @ 41.5-45.0; 55.3-59.0; 64.6-65.1).												
		Sulfide mineralization (chiefly pyrrhotite & pyrite) increases markedly within 1 m. of the cherty IF intervals.												
		The sulfides are fg-mg & occur as narrow semi-massive intervals and stringers;												
		they are locally remobilized along narrow quartz-carbonate veins (with sphalerite(?) & chalcopyrite).												
		57.0 - 57.3 : vuggy interval; moderate-strong limonite alteration related to fractures and quartz-carbonate veinlets.												
		71.6 - 77.8 : idem												
		----------Sub Units----------												
33.5	37.1	**CHERTY IRON FORMATION**												
		Banded Light-Brown to Dark-Green	10188	33.50	34.50	1.00	nil							
		Quartz: 75-85%; as cherty laminae & locally brecciated	10189	34.50	35.50	1.00	nil							
		cherty fragments	10190	35.50	36.50	1.00	nil							
		Sulphides: 15-25%; primarily pyrrhotite & magnetite	10191	36.50	37.10	0.60	nil							
		Carbonate: 5-10%; calcite & minor bladed siderite crystals	10192	37.10	38.10	1.00	nil							
		Aphanitic to Very Fine Grained												
		Bedding at 70 Deg. Cax.	10193	41.40	42.40	1.00	nil							
		Lower Contact at 65 Deg. Cax.												
		5% (approx.) Quartz Veining at 65-75 (parallel to S0) Deg.	10194	44.10	44.40	0.30	nil							
		Cax. - Avg. Width 1-3 cm.												
		Magnetite: 15-20%; fg-aphanitic within chert laminae	10195	45.00	45.30	0.30	nil							
		Pyrrhotite: 5%; fg stringers primarily near base												
		Pyrite: trace disseminated specks	10196	50.60	51.10	0.50	nil							
		Chalcopyrite: trace; fg specks associated with quartz												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		veining and pyrrhotite mineralization @ base	10197	51.80	52.10	0.30	nil							
		Limonite: moderate @ 34.0-34.1												
		Fe-Mg Carbonate Alteration: weak-moderate; fg-mg bladed siderite crystals	10198	56.20	56.60	0.40	nil							
		Chlorite Alteration: weak-moderate; locally within matrix surrounding brecciated cherty fragments	10199	56.90	57.40	0.50	nil							
		Carbonate Alteration: weak; primarily along randomly oriented hairline fractures	10200	61.50	61.90	0.40	nil							
		Silica Alteration: weak-moderate; patchy	10201	63.10	64.10	1.00	nil							
		Strongly Magnetic	10202	64.10	65.10	1.00	nil							
		Weakly Conductive locally	10203	65.10	66.10	1.00	nil							
			10204	66.10	67.10	1.00	nil							
		Iron formation interval is an assemblage of banded to	10205	67.10	68.10	1.00	nil							
		locally brecciated chert-magnetite-siderite-minor	10206	68.10	69.10	1.00	nil							
		pyrrhotite.	10207	69.10	70.10	1.00	nil							
		Iron carbonate alteration (siderite) is a distinctive beige	10208	70.10	71.10	1.00	nil							
		to pale reddish-brown colour; bladed siderite crystals are												
		locally well developed.	10209	75.60	76.70	1.10	nil							
			10210	76.70	77.80	1.10	nil							
			10211	95.50	96.10	0.60	nil							
			10212	99.70	100.70	1.00	nil							
			10213	100.70	101.70	1.00	nil							
			10214	101.70	102.40	0.70	nil	nil	0.013	0.024				
			10215	102.40	103.00	0.60	nil	nil	0.012	0.019				
103.0	104.8	**CHERTY IRON FORMATION**												
		Same as 33.5-37.1	10216	103.00	104.00	1.00	nil	nil	0.011	0.002				

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Banding at 90 Deg. Cax.	10217	104.00	104.90	0.90	nil	nil	0.010	0.003				
		Lower Contact at 85-90 Deg. Cax.	10218	104.90	105.80	0.90	nil							
		Magnetite: 15-20%; fg-aphanitic; associated with chert laminae	10219	110.60	111.20	0.60	nil							
		Pyrrhotite: 5-7%; primarily near upper and lower contacts; in stringers and remobilized along fractures.	10220	111.20	111.70	0.50	nil							
			10221	111.70	112.30	0.60	nil	nil	0.021	0.405	0.010			
		Pyrite: trace; locally disseminated												
		Chalcopyrite: trace; associated with remobilized pyrrhotite												
		Fe-Mg Carbonate Alteration: weak-locally moderate; pale brown patchy alteration												
		Chlorite Alteration: weak; primarily near contacts												
		Carbonate Alteration: weak-moderate; parallel to banding												
		Silica Alteration: weak; primarily near upper contact												
		Strongly Magnetic												
		Weakly Conductive @ upper & lower contacts												
		Locally boudinaged chert-magnetite laminae.												
		Measured banding occurs primarily near upper and lower contacts.												
		Central portion of interval is a chaotic brecciated and contorted zone.												
		Upper contact is gradational over several centimeters; lower contact is sharper and parallel to banding (S0?).												
		Trace chalcopyrite noted near upper contact; associated with remobilized pyrrhotite along narrow (1-3 mm.) fractures.												
112.3	113.3	**CHERTY IRON FORMATION**												
		Same as 33.5-37.1	10222	112.30	113.30	1.00	nil	nil	0.039	0.800	0.011			
		Dark Blue-Grey	10223	113.30	114.30	1.00	nil							
		Quartz: 70-80%; primarily brecciated cherty fragments												
		Sulphides: 20-25%; pyrite; magnetite; pyrrhotite	10224	121.80	122.80	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Matrix: 10%; weakly chloritic Aphanitic to Very Fine Grained Massive Upper Contact at 90 Deg. Cax. <1% Quartz-Carbonate Veining variable -- Avg. Width 1-5 mm. Magnetite: 10%; fg-aphanitic; associated with cherty fragments Pyrite: 10%; stringers and fracture-fillings primarily within top half of unit Pyrrhotite: 5%(approx.); fg; disseminated within chloritic matrix surrounding chert fragments & in fractures with pyrite Sphalerite: 1%; along 1-10 mm. carbonate-quartz-pyrite veinlets (0-25 deg. cax) Chlorite Alteration: moderate within matrix surrounding chert fragments Carbonate Alteration: very weak; patchy; primarily along sulfide-rich veins Silica Alteration: weak near lower contact Strongly Magnetic Moderately Conductive within top half Sulfide rich top half of unit is moderately vuggy. Lower contact is partially obscured by strongly bleached and silicified adjacent volcanics. Unit is strongly brecciated and fragmented; no primary planar features apparent.												
122.8	129.3	**INTERCALATED FELSIC PORPHYRITIC LAPILLI/BLOCK TUFF AND MINOR MAFIC FLOW**												
		Banded Blue-Grey to Green Upper Contact at 55 Deg. Cax. Lower Contact at 75-80 Deg. Cax.	10225 10226 10227	122.80 123.80 124.30	123.80 124.30 125.30	1.00 0.50 1.00	nil nil nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Pyrite: 2-5%; disseminated primarily within felsic tuff intervals	10228	125.30	126.10	0.80	nil							
			10229	126.10	127.00	0.90	nil							
		Pyrrhotite: trace-1%; locally within felsic tuff intervals	10230	127.00	128.00	1.00	nil							
		Silica Alteration: moderate-strong; primarily within felsic intervals	10231	128.00	128.80	0.80	nil							
			10232	128.80	129.30	0.50	nil							
		Chlorite Alteration: spotty within felsics; weakly pervasive within mafics	10233	134.60	135.40	0.80	nil							
		Epidote Alteration: weak within mafic intervals												
		Carbonate Alteration: moderately pervasive within mafics; weak; fracture-controlled within felsics	10234	139.50	139.80	0.30	nil							
		Sericite Alteration: weak within matrix of felsic intervals												
		Weakly Magnetic locally												
		Non Conductive												
		FELSIC PORPHYRITIC LAPILLI/BLOCK TUFF: generally massive to locally banded @ 90 deg. cax; fragments are pale beige to white and porphyritic (quartz crystals) with an aphanitic siliceous matrix; locally vuggy.												
		FELSIC TUFF INTERVALS (75% of unit): 122.8-123.9; 124.3-126.1; 126.2-126.4; 126.63-126.8; 126.9-128.4; 128.75-129.3.												
		MAFIC VOLCANIC FLOW : generally massive; fg-mg; locally weakly brecciated; bleached light green colour; contacts with felsic intervals are relatively sharp @ 75-90 deg. cax.												
		MAFIC FLOW INTERVALS (25% of unit): 123.9-124.3; 126.1-126.2; 126.4-126.63; 126.8-126.9; 128.4-128.75.												
142.3	168.6	FELSIC LAPILLI/BLOCK TUFF												
		Mottled Dark-Grey to Light-Brown												
		Lapilli: 30-40%; beige-light grey; aphanitic-locally porphyritic (quartz)	10235	142.30	143.30	1.00	nil							
			10236	143.30	144.30	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Bombs: 40-50%; similar to lapilli fragments	10237	144.30	145.30	1.00	nil							
		Matrix: 10-20%; weakly-moderately sericitic	10238	145.30	146.30	1.00	nil							
		Massive ; locally weakly banded @ 75 deg. cax	10239	146.30	147.30	1.00	nil							
		Lower Contact at 65 Deg. Cax.	10240	147.30	148.30	1.00	nil							
		<1% Carbonate Veining variable -- Avg. Width 1-2 mm.	10241	148.30	149.30	1.00	nil							
		Pyrite: 2-3%; stringers interstitial to fragments	10242	149.30	150.30	1.00	nil							
		Pyrrhotite: trace-1%; locally associated with pyrite	10243	150.30	151.30	1.00	nil							
		Silica Alteration: moderate-locally intense; pervasive	10244	151.30	152.30	1.00	nil							
		Yellow-Green Sericite Alteration: weak within matrix	10245	152.30	153.30	1.00	nil							
		Chlorite Alteration: weak-moderate; patchy within lower half of unit only	10246	153.30	154.30	1.00	nil							
			10247	154.30	155.30	1.00	nil							
		Carbonate Alteration: very weak; spotted; locally fracture controlled	10248	155.30	156.30	1.00	nil							
			10249	156.30	157.30	1.00	nil							
		Non Magnetic	10250	157.30	158.30	1.00	nil							
		Non Conductive	10251	158.30	159.30	1.00	nil							
			10252	159.30	160.30	1.00	nil							
		Tuffaceous fragmental texture not everywhere apparent within unit; locally very massive.	10253	160.30	161.60	1.30	nil							
		Medium-grained angular clear quartz crystals within felsic fragments result in a locally well developed porphyritic texture.												
		154.5 - 156.1 : weak to moderate dark grey-green to black chlorite alteration associated with moderate-intense silification & brecciation.												
		156.1 -156.5 : patchy weak chlorite alteration within matrix.												
		162.8 - 165.7 : weak pervasive dark green chlorite alteration.												
		----------Sub Units----------												
161.6	162.2	**MAFIC INTRUSIVE**												
		Mottled Green	10254	161.60	162.20	0.60	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Mafic Minerals: 50%; fg-aphanitic; chloritised	10255	162.20	163.20	1.00	nil							
		Plagioclase: 50%; fg-mg hypidiomorphic phenocrysts	10256	163.20	164.10	0.90	nil							
		Upper Contact at 80-85 Deg. Cax.	10257	164.10	165.10	1.00	nil							
		Lower Contact at 60 Deg. Cax.	10258	165.10	166.10	1.00	nil							
		Pyrite: trace disseminated mg cubes	10259	166.10	166.60	0.50	nil							
		Chlorite Alteration: weak; pervasive	10260	166.60	167.60	1.00	nil							
		Carbonate Alteration: moderate; pervasive	10261	167.60	168.60	1.00	nil							
		Non Magnetic												
		Non Conductive												
		Massive fg-mg granular texture.												
		Relatively sharp upper and lower contacts.												
168.6	176.6	**MASSIVE MAFIC FLOW**												
		Same as 33.5-142.3												
		Mottled Dark-Green	10262	170.00	170.70	0.70	nil							
		Mafic Minerals: 20-30%; chloritised												
		Plagioclase: 20-30%; fg-mg phenocrysts	10263	176.60	177.60	1.00	nil							
		Matrix: 40-50%; chloritised												
		Fine to Medium Grained												
		Massive												
		Lower Contact at 60 Deg. Cax.												
		1% Quartz-Carbonate Veining variable -- Avg. Width 1-3 cm.												
		Pyrite: trace fg disseminated cubes												
		Carbonate Alteration: moderate-strong; pervasive												
		Chlorite Alteration: weak-moderate; pervasive												
		Epidote Alteration: weak-moderate; patchy												
		Leucoxene Alteration: weak; pervasive fg spotted alteration												
		Hematite Alteration: weak; along fractures												
		Non Magnetic												
		Non Conductive												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Lower contact is concordant with schistosity in underlying felsic tuff interval.												
176.6	191.3	**INTERCALATED MASSIVE MAFIC FLOW AND MINOR FELSIC LAPILLI/BLOCK TUFF**												
		Same as 122.8-129.3	10264	177.60	178.60	1.00	nil							
		Banding at 65-70 (within tuffaceous intervals) Deg. Cax.												
		Lower Contact at 80 Deg. Cax.	10265	182.90	183.90	1.00	nil							
		<1% Quartz-Carbonate Veining variable -- Avg. Width 2-10 mm.	10266	183.90	184.90	1.00	nil							
		Pyrite: trace disseminated mg cubes within mafics; 1-2% as stringers and filaments parallel to schistosity within felsics	10267	184.90	185.90	1.00	nil							
			10268	185.90	186.50	0.60	nil							
		Pyrrhotite: trace-1%; primarily within felsic intervals	10269	190.50	191.30	0.80	nil							
		Silica Alteration: weak-moderate; within felsics												
		Chlorite Alteration: weak; patchy within felsics; weakly pervasive within mafics												
		Leucoxene Alteration: weak; spotty within certain mafic intervals												
		Sericite Alteration: weak within felsics												
		Non Magnetic												
		Non Conductive												
		Contacts between the 2 rock types are sharp in some cases and diffuse over several centimeters in others.												
		MAFIC FLOW INTERVALS (75% of unit): 178.1-182.9; 183.5-184.5; 186.5-190.9.												
		FELSIC TUFF INTERVALS (25% of unit): 176.65-178.1; 182.9-183.5; 184.5-186.5; 190.9-191.3.												
		177.2 : fault gouge (5 cm.).												
		178.2 : fault gouge (2 cm.).												
		187.1 : fault gouge (1 cm.).												
191.3	216.2	**GABBRO (MINOR BLUE QUARTZ EYES)**												
		Mottled Dark-Green to Light-Green												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)

Mafic Minerals: 60-70%; fg; chloritised
Plagioclase: 20-25%; fg-mg; weakly calcareous
Quartz Eyes: trace-2%; blue; fg-mg
Fine to Medium Grained
Massive
Lower Contact at 90 (sharp) Deg. Cax.
<1% Quartz-Carbonate Veining variable -- Avg. Width 2 mm.-2 cm.
Pyrite: 1%; mg-locally vcg disseminated cubes
Ilmenite: (?) 2-4%; dark black; fg; non-magnetic
Magnetite: 2-5%; fg-mg disseminated crystals @ 209.0-214.4
Chlorite Alteration: moderate; pervasive
Carbonate Alteration: moderate-strong; pervasive
Leucoxene Alteration: 5-10%; fg-mg spotty beige to white alteration
Epidote Alteration: weak; patchy; associated primarily with quartz-carbonate veins
Bleached Alteration: weak-moderate between 195.0-202.9
Weakly Magnetic between 209.0-214.4
Non Conductive

The abundant fg-mg leucoxene alteration and the pervasive fg-mg blue quartz eyes distinguish this unit from the earlier massive mafic flows.
195.0-202.9 : Bleached interval containing several mafic flow/dyke xenoliths (2-20 cm.); xenoliths are generally massive and fg-aphanitic; contacts with gabbro are all sharp.

----------Sub Units----------

202.9 208.1 SULFIDE-RICH FELSIC LAPILLI TUFF

Banded Yellow-Green to Blue-Grey

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Lapilli: 40-45%; average 5 mm.-2 cm.; blue-grey	10270	202.90	203.80	0.90	0.020							
		Matrix: 25-30%; weakly-moderately sericitised	10271	203.80	204.80	1.00	0.070							
		Sulphides: 20-25% pyrite; primarily within top half	10272	204.80	205.80	1.00	nil							
		Schistosity at 70 Deg. Cax.	10273	205.80	206.80	1.00	nil							
		Contacts at 80-90 Deg. Cax.	10274	206.80	207.70	0.90	nil							
		1-2% Quartz Veining at 70 Deg. Cax. -- Avg. Width 1-2 cm.	10275	207.70	208.10	0.40	nil							
		Pyrite: fg-locally cg cubes; semi-massive @ 203.9-204.8												
		Yellow-Green Sericite Alteration: moderate-locally strong within matrix												
		Silica Alteration: intense @ upper and lower contacts; otherwise weak												
		Non Magnetic												
		Moderately Conductive												
		Schistosity is well developed in this unit; better than in any other felsic tuff unit in hole.												
		203.1-203.2 : narrow fg massive mafic dyke; light green; sharp contacts roughly parallel to schistosity; 5-7% mg-cg disseminated pyrite cubes.												
		205.4 : narrow (1 cm.) fault gouge.												
216.2	247.5	**FELSIC CRYSTAL TUFF**												
		Banded Blue-Grey to Light-Brown												
		Matrix: 80%; fg-aphanitic; light grey	10276	216.20	217.20	1.00	nil							
		Plagioclase: 7-10%; fg-mg	10277	217.20	218.20	1.00	nil							
		Quartz: 5-7%; fg-mg; angular	10278	218.20	219.20	1.00	nil							
		Massive	10279	219.20	219.80	0.60	nil							
		Schistosity at 85 (locally weakly developed) Deg. Cax.												
		<1% Quartz-Carbonate Veining variable -- Avg. Width 1-2 cm.												
		Pyrite: 1-3%; fg disseminations & stringers												
		Pyrrhotite: trace-1%; fg disseminations near top of unit												
		Silica Alteration: moderate-locally strong; pervasive												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Sericite Alteration: very weak; locally developed along schistosity												
		Carbonate Alteration: weak; spotty to fracture-controlled												
		Chlorite Alteration: very weak; spotty												
		Non Magnetic												
		Non Conductive												
		Minor locally scattered lapilli/block fragments noted.												
		Unit is generally massive with locally weakly developed porphyritic texture.												
		239.4 : narrow fault gouge.												
		----------Sub Units----------												
		219.7 221.1 GABBRO (MINOR BLUE QUARTZ EYES)												
		Same as 191.3-216.2												
		Mottled Light-Green	10280	221.00	222.00	1.00	nil							
		Massive	10281	222.00	223.00	1.00	nil							
		Lower Contact obscured by quartz vein	10282	223.00	224.00	1.00	nil							
		Pyrite: trace-1%; disseminated fg-mg cubes	10283	224.00	225.00	1.00	nil							
		Chlorite Alteration: weak; pervasive	10284	225.00	226.00	1.00	nil							
		Bleached Alteration: moderate; pervasive	10285	226.00	227.00	1.00	nil							
		Carbonate Alteration: strong; pervasive	10286	227.00	228.00	1.00	nil							
		Leucoxene Alteration: 5-10%; pink to beige fg-mg spotty alteration	10287	228.00	229.00	1.00	nil							
			10288	229.00	230.00	1.00	nil							
		Epidote Alteration: moderate; patchy	10289	230.00	231.00	1.00	nil							
		Non Magnetic	10290	231.00	232.00	1.00	nil							
		Non Conductive	10291	232.00	233.00	1.00	nil							
			10292	233.00	234.00	1.00	nil							
		Similar to main gabbro interval except leucoxene alteration	10293	234.00	235.00	1.00	nil							
		has a distinctive pinkish tinge; quartz eyes are	10294	235.00	236.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		predominantly fg.	10295	236.00	237.00	1.00	nil							
			10296	237.00	237.50	0.50	nil							
237.5	237.7	MAFIC INTRUSIVE												
		Grey to Light-Brown	10297	237.50	237.70	0.20	nil							
		Mafic Minerals: 65-75%; fg; bleached	10298	237.70	238.70	1.00	0.170							
		Plagioclase: 25-35%; fg-mg	10299	238.70	239.70	1.00	nil							
		Massive	10300	239.70	240.70	1.00	nil							
		Contacts at 90 Deg. Cax.	10301	240.70	241.70	1.00	nil							
		Pyrite: 5-7%; fg; disseminated	10302	241.70	242.70	1.00	nil							
		Carbonate Alteration: strong; pervasive	10303	242.70	243.70	1.00	nil							
		Bleached Alteration: moderate; pervasive	10304	243.70	244.70	1.00	nil							
		Chlorite Alteration: weak	10305	244.70	245.70	1.00	nil							
		Non Magnetic	10306	245.70	246.70	1.00	nil							
		Non Conductive	10307	246.70	247.50	0.80	nil							
		SAMPLE INTERVALS												
		Fire Assay Samples : 10188 to 10307												
		Lithogeochem Samples: 17-01 to 17-29												
237.7		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
17-01	33.50	37.10	3.60	nil																										
17-06	37.10	47.10	10.00	nil																										
17-07	47.10	57.10	10.00	nil																										
17-08	57.10	67.10	10.00	nil																										
17-09	67.10	77.10	10.00	nil																										
17-10	77.10	87.10	10.00	nil																										
17-11	87.10	97.10	10.00	nil																										
17-12	97.10	107.10	10.00	nil																										
17-02	103.00	104.80	1.80	nil																										
17-13	107.10	117.10	10.00	nil																										
17-03	112.30	113.30	1.00	nil																										
17-14	117.10	122.80	5.70	nil																										
17-04	122.80	123.90	1.10	nil																										
17-05	123.90	124.30	0.40	3																										
17-04	124.30	126.10	1.80	nil																										
17-05	126.10	126.20	0.10	3																										
17-04	126.20	126.40	0.20	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
17-05	126.40	126.63	0.23	3																										
17-04	126.63	126.80	0.17	nil																										
17-05	126.80	126.90	0.10	3																										
17-04	126.90	128.40	1.50	nil																										
17-05	128.40	128.75	0.35	3																										
17-04	128.75	129.30	0.55	nil																										
17-15	129.30	142.30	13.00	nil																										
17-17	142.30	155.30	13.00	nil																										
17-18	155.30	168.60	13.30	nil																										
17-16	161.60	162.20	0.60	nil																										
17-19	168.60	176.65	8.05	nil																										
17-20	176.65	178.10	1.45	nil																										
17-21	178.10	182.90	4.80	nil																										
17-20	182.90	183.50	0.60	nil																										
17-21	183.50	184.50	1.00	nil																										
17-20	184.50	186.50	2.00	nil																										
17-21	186.50	190.90	4.40	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
17-20	190.90	191.30	0.40	nil																										
17-23	191.30	202.90	11.60	1																										
17-22	202.90	208.10	5.20	4																										
17-24	208.10	216.20	8.10	nil																										
17-27	216.20	226.20	10.00	nil																										
17-25	219.70	221.10	1.40	4																										
17-28	226.20	236.20	10.00	nil																										
17-29	236.20	247.50	11.30	nil																										
17-26	237.50	237.70	0.20	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10188	33.50	34.50	1.00	tr-1% py/po; lim. alt. locally
10189	34.50	35.50	1.00	1-2% po/py; locally remobilized along fractures (30 deg. cax)
10190	35.50	36.50	1.00	tr-1% po/py
10191	36.50	37.10	0.60	7-10% po; tr cp; 1-2% py; minor qv
10192	37.10	38.10	1.00	spotty lim. alt.; minor qv; tr py
10193	41.40	42.40	1.00	5% qv; tr py
10194	44.10	44.40	0.30	6 cm. qv; 90 deg. cax; tr py
10195	45.00	45.30	0.30	idem
10196	50.60	51.10	0.50	3 1-3 cm. qv's; 70-90 deg. cax; tr py
10197	51.80	52.10	0.30	10% qc vein material; tr py
10198	56.20	56.60	0.40	20% qc vein material; tr py
10199	56.90	57.40	0.50	vuggy; extensive lim. alt.
10200	61.50	61.90	0.40	2-3 cm. qv; 0 deg. cax; tr py; minor lim. alt.
10201	63.10	64.10	1.00	5-10% qv zone; variable orientation; tr py
10202	64.10	65.10	1.00	idem
10203	65.10	66.10	1.00	idem
10204	66.10	67.10	1.00	idem
10205	67.10	68.10	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10206	68.10	69.10	1.00	idem
10207	69.10	70.10	1.00	idem
10208	70.10	71.10	1.00	idem
10209	75.60	76.70	1.10	vuggy; minor qv; lim. alt.; tr py
10210	76.70	77.80	1.10	idem
10211	95.50	96.10	0.60	10 cm. qv; 60-70 deg. cax; tr-1% py; lim. alt.
10212	99.70	100.70	1.00	5% qc veins; tr py
10213	100.70	101.70	1.00	idem
10214	101.70	102.40	0.70	AU+3; 5-10% po stringers; minor qv
10215	102.40	103.00	0.60	AU+3; 5-10% po stringers; 25% qv
10216	103.00	104.00	1.00	AU+3; 5% po; tr cp; 1-2% py
10217	104.00	104.90	0.90	AU+3; 5% po stringers; 1-2% py
10218	104.90	105.80	0.90	10% qv zone; tr py
10219	110.60	111.20	0.60	30 cm. qc vein; tr py; upper contact @ 10-30 deg. cax; lower contact @ 60 deg. cax
10220	111.20	111.70	0.50	10% qv; 1-2% py
10221	111.70	112.30	0.60	AU+4; 25-30% py; 5-10% po; 1-2% sphalerite; tr cp
10222	112.30	113.30	1.00	AU+4; 20-25% py; 5-7% po; 1% sphalerite; sulfides pred. within top half
10223	113.30	114.30	1.00	1% po; 1% py; sil.; 5% qv (1-3 mm.)

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10224	121.80	122.80	1.00	1-3% py (@ base); minor qv
10225	122.80	123.80	1.00	2-4% py (disseminated & along fractures); sil.
10226	123.80	124.30	0.50	V7 pred.; tr-1% py; minor qv
10227	124.30	125.30	1.00	sil.; tr-1% py
10228	125.30	126.10	0.80	sil.; tr-1% py/po
10229	126.10	127.00	0.90	50% V7; tr-1% py
10230	127.00	128.00	1.00	5-7% py/po stringers; sil.
10231	128.00	128.80	0.80	50% V7; 3-5% py/po
10232	128.80	129.30	0.50	tr-1% py/po; sil.
10233	134.60	135.40	0.80	25% qc vein zone; tr py
10234	139.50	139.80	0.30	3 cm. qv; 65 deg. cax; tr py
10235	142.30	143.30	1.00	tr-1% py
10236	143.30	144.30	1.00	1% py
10237	144.30	145.30	1.00	1% py
10238	145.30	146.30	1.00	1% py
10239	146.30	147.30	1.00	1% py; weakly brecciated
10240	147.30	148.30	1.00	2-3% py; sil.
10241	148.30	149.30	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10242	149.30	150.30	1.00	idem
10243	150.30	151.30	1.00	tr-1% py; sil.
10244	151.30	152.30	1.00	1% py/po
10245	152.30	153.30	1.00	tr-1% py; weakly chloritised
10246	153.30	154.30	1.00	idem
10247	154.30	155.30	1.00	tr py; brecciated; moderately chloritised
10248	155.30	156.30	1.00	idem
10249	156.30	157.30	1.00	idem
10250	157.30	158.30	1.00	3-5% py stringers; weakly chloritised
10251	158.30	159.30	1.00	2-4% py; weakly chloritised
10252	159.30	160.30	1.00	tr py; weakly brecciated & silicified
10253	160.30	161.60	1.30	tr py; moderately brecciated & silicified
10254	161.60	162.20	0.60	mafic intrusive; tr py
10255	162.20	163.20	1.00	2-4% py/po; brecciated; silicified & weakly chloritised
10256	163.20	164.10	0.90	tr py; chloritised
10257	164.10	165.10	1.00	tr py; weakly chloritised
10258	165.10	166.10	1.00	1-2% py; weakly chloritised
10259	166.10	166.60	0.50	5-10% py; brecciated

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10260	166.60	167.60	1.00	tr-1% py; weakly brecciated & silicified
10261	167.60	168.60	1.00	idem
10262	170.00	170.70	0.70	20% qc vein; tr py
10263	176.60	177.60	1.00	4-7% py; brecciated; minor qv
10264	177.60	178.60	1.00	tr py; minor qv; V7/V10(felsic)
10265	182.90	183.90	1.00	tr py; brecciated; weakly silicified
10266	183.90	184.90	1.00	tr py; chloritised; weakly brecciated
10267	184.90	185.90	1.00	2-3% py/po; brecciated; chloritised
10268	185.90	186.50	0.60	idem
10269	190.50	191.30	0.80	3-7% py; weakly brecciated & silicified @ base
10270	202.90	203.80	0.90	10-15% py; silicified @ top; moderately sericitised; includes narrow mafic dyke
10271	203.80	204.80	1.00	50-60% py; sericitised; minor qv
10272	204.80	205.80	1.00	10-20% py; strongly sericitised
10273	205.80	206.80	1.00	5-7% py; mod. ser.; minor qv
10274	206.80	207.70	0.90	3-4% py; sil. @ base
10275	207.70	208.10	0.40	tr py; weakly ser.; strongly sil.
10276	216.20	217.20	1.00	tr-1% py; bleached; weakly sil.
10277	217.20	218.20	1.00	tr py; weakly sil.

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10278	218.20	219.20	1.00	1-2% py; mod. sil.
10279	219.20	219.80	0.60	3-5% py; 2-3% po; sil. @ base
10280	221.00	222.00	1.00	1-2% py; 4-5 cm. qv @ top
10281	222.00	223.00	1.00	1-2% py; minor qv; locally brecciated
10282	223.00	224.00	1.00	1-2% py
10283	224.00	225.00	1.00	tr-1% py
10284	225.00	226.00	1.00	tr py; weakly brecciated
10285	226.00	227.00	1.00	tr-1% py
10286	227.00	228.00	1.00	1-2% py (as stringers & remobilized along fractures)
10287	228.00	229.00	1.00	tr-1% py; sil. @ base
10288	229.00	230.00	1.00	1-2% py; sil. @ top
10289	230.00	231.00	1.00	2-4% py stringers
10290	231.00	232.00	1.00	2-4% py; sil. @ base; minor qv
10291	232.00	233.00	1.00	1-2% py stringers; mod. sil.
10292	233.00	234.00	1.00	idem
10293	234.00	235.00	1.00	idem
10294	235.00	236.00	1.00	idem
10295	236.00	237.00	1.00	tr-1% py; sil.

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10296	237.00	237.50	0.50	3-5% py; primarily near base
10297	237.50	237.70	0.20	mafic dyke; bleached; 5-7% diss. py
10298	237.70	238.70	1.00	2-4% py stringers
10299	238.70	239.70	1.00	sil. @ top; fault gouge; 1-2% py (stringers & fracture-controlled)
10300	239.70	240.70	1.00	3-5% py (as stringers & along fractures); minor qv
10301	240.70	241.70	1.00	2-3% py; brecciated; 2 cm. qv @ 0-10 deg. cax
10302	241.70	242.70	1.00	3-5% py stringers; fractured @ top
10303	242.70	243.70	1.00	tr-1% py
10304	243.70	244.70	1.00	tr-1% py; minor qv
10305	244.70	245.70	1.00	idem
10306	245.70	246.70	1.00	2-4% py stringers
10307	246.70	247.50	0.80	1-2% py

LES EXPLORATIONS NORAMCO INC.

H-1435-018

09-23-1987::10:15

DIAMOND DRILL LOG

COPIE FINALE

Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442229-2	Coordinates:	28+15E , 4+00S
Azimuth:	45 degrees	Dip:	-50 degrees	Length:	252.1 meters
Logged By:	Regis Simard	Casing:	In (12.2 m. BW; 9.14 m. NW)	Elevation:	318 meters
Date Started:	Aug. 04 1987	Date Completed:	Aug. 12 1987	Date Logged:	Aug. 15 1987
Core Size:	BQ	Core Location:	St-Janvier	Samples Shipped:	Aug. 21 1987
Drill Company:	Les Forages Foranord Inc.	Overburden:	56.3 meters		

Acid Dip Tests

# 1.	60.96 m -49 deg.	# 2.	121.92 m -46 deg.
# 3.	182.88 m -44 deg.	# 4.	243.84 m -42 deg.

Purpose

Test junction of major EW; NE & NNE lineaments.
Possibly within lower felsic volcanic band.

Conclusions

Intersected thick sedimentary sequence of greywacke/argillite; minor mafic intrusives; 2 major quartz veins zones (56.3-63.0; 95.0-102.5) might explain target lineaments.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	56.3	OVERBURDEN		
56.3	252.1	GREYWACKE/ARGILLITE	Pyrite (tr-1%; vfg; a) Chalcopyrite (tr. in Qtz ve)	Carbonate (calcitic; mod) Silica (locally.) Sericite (locally.)
78.6	93.2	MAFIC INTRUSIVE ZONE	Pyrite (1-2%; (vfg).)	Carbonate (calcitic; str) Chlorite (weakly pervas)
252.1		END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	56.3	OVERBURDEN												
56.3	252.1	GREYWACKE/ARGILLITE												
		Banded Grey to Black	10308	56.30	57.00	0.70	nil							
		Fine to Medium Grained	10309	57.00	58.00	1.00	nil							
		Bedding at 80 Deg. Cax.	10310	58.00	59.00	1.00	nil							
		Schistosity: S1 at 80 Deg. Cax.	10311	59.00	60.00	1.00	nil							
		1% Quartz-Carbonate Veining at 80 Deg. Cax. -- Avg. Width	10312	60.00	61.00	1.00	nil							
		5cm	10313	61.00	62.00	1.00	nil							
		Pyrite: tr-1%; vfg; associated with Qtz-Carb. veins.	10314	62.00	63.00	1.00	nil							
		Chalcopyrite: tr. in Qtz veins.	10315	63.00	64.00	1.00	nil							
		Carbonate Alteration: calcitic; moderate pervasive.	10316	64.00	65.00	1.00	nil							
		Silica Alteration: locally.												
		Sericite Alteration: locally.	10317	68.00	69.00	1.00	nil							
		Non Magnetic	10318	69.00	70.00	1.00	nil							
		Non Conductive												
			10319	70.80	71.20	0.40	nil							
		80% greywacke; 20% argillite; individual beds between 5 &												
		30 cm.	10320	78.50	79.50	1.00	nil							
		56.3-200.0: graded bedding with stratigraphic tops downhole.												
		200.0-252.1: graded bedding with stratigraphic tops uphole.												
		Locally; some kinked banding.												
		56.3-63.0; 95.0-102.5: 15 to 20% Quartz veins.												
		220.0-231.0: silicified zone; 227.0-231.0: weakly												
		sericitised												
		S2 schistosity at 20 deg. cax is locally weakly developed.												
		S2 dipping to the N at -70 deg.												
		----------Sub Units----------												
78.6	93.2	MAFIC INTRUSIVE ZONE												
		Dark-Grey to Dark-Green ,	10321	79.50	80.50	1.00	nil							
		Medium to Coarse Grained	10370	80.50	81.50	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Massive	10322	81.50	82.50	1.00	nil							
		Contacts at 80 Deg. Cax.	10323	82.50	83.50	1.00	nil							
		Pyrite: 1-2%; (vfg).	10324	83.50	84.50	1.00	nil							
		Carbonate Alteration: calcitic; strongly pervasive.	10325	84.50	85.50	1.00	nil							
		Chlorite Alteration: weakly pervasive.	10326	85.50	86.50	1.00	nil							
		Non Magnetic	10327	86.50	87.50	1.00	nil							
			10328	87.50	88.50	1.00	nil							
		78.55-81.8: coarse black gabbro; 2% pyrite; sharp contact	10329	88.50	89.50	1.00	nil							
		80CAX	10330	89.50	90.50	1.00	nil							
		81.8-84.6;86.34-89.45;89.45-90.35;90.35-92.45: medium green	10371	90.50	91.50	1.00	nil							
		gabbro; tr.-1% pyrite; sharp contact 80CAX.	10331	91.50	92.50	1.00	nil							
		84.6-86.34; 92.45-93.2 : QFP dyke (cg ARKOSE ?);	10332	92.50	93.50	1.00	nil							
		tr pyrite; sharp contacts @ 80 deg. cax.	10333	93.50	94.50	1.00	nil							
		SAMPLES INTERVALS:												
			10334	94.50	95.50	1.00	nil							
		Assay sample interval: 10308 to 10369	10335	95.50	96.50	1.00	nil							
		Lithogeochem sample interval: 1435-18-01 to 1435-18-25.	10336	96.50	97.50	1.00	nil							
			10337	97.50	98.50	1.00	nil							
			10338	98.50	99.50	1.00	nil							
			10339	99.50	100.50	1.00	nil							
			10340	100.50	101.50	1.00	nil							
			10341	101.50	102.50	1.00	nil							
			10342	112.50	113.50	1.00	nil							
			10343	116.00	116.80	0.80	nil							
			10344	117.60	118.60	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10345	123.30	123.80	0.50	nil							
			10346	130.60	131.80	1.20	nil							
			10347	134.00	135.00	1.00	nil							
			10348	135.70	136.50	0.80	nil							
			10349	143.30	144.00	0.70	nil							
			10350	149.00	150.10	1.10	nil							
			10351	155.50	156.50	1.00	nil							
			10352	156.50	157.50	1.00	nil							
			10353	157.50	158.00	0.50	nil							
			10354	158.00	158.70	0.70	nil							
			10355	161.50	162.50	1.00	nil							
			10356	162.50	163.50	1.00	nil							
			10357	170.00	171.00	1.00	nil							
			10358	171.00	172.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10359	175.80	176.50	0.70	nil							
			10360	177.90	178.30	0.40	nil							
			10361	191.00	192.00	1.00	nil							
			10362	196.80	197.20	0.40	nil							
			10363	199.50	200.00	0.50	nil							
			10364	207.20	207.70	0.50	nil							
			10365	214.50	215.30	0.80	nil							
			10366	223.40	223.70	0.30	nil							
			10367	234.00	234.50	0.50	nil							
			10368	245.00	246.00	1.00	nil							
			10369	246.00	247.00	1.00	nil							
252.1		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
18-01	56.30	65.00	8.70	6																										
18-02	65.00	72.00	7.00	nil																										
18-03	72.00	78.55	6.55	nil																										
18-04	78.55	81.80	3.25	nil																										
18-05	81.80	84.60	2.80	nil																										
18-06	84.60	86.34	1.74	nil																										
18-07	86.34	92.45	6.11	nil																										
18-08	92.45	93.20	0.75	nil																										
18-09	93.20	100.00	6.80	nil																										
18-10	100.00	110.00	10.00	nil																										
18-11	110.00	120.00	10.00	nil																										
18-12	120.00	130.00	10.00	nil																										
18-13	130.00	140.00	10.00	nil																										
18-14	140.00	150.00	10.00	nil																										
18-15	150.00	160.00	10.00	nil																										
18-16	160.00	170.00	10.00	nil																										
18-17	170.00	173.30	3.30	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Hf ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
18-18	173.30	178.50	5.20	nil																										
18-19	178.50	190.00	11.50	nil																										
18-20	190.00	200.00	10.00	nil																										
18-21	200.00	210.00	10.00	nil																										
18-22	210.00	220.00	10.00	nil																										
18-23	220.00	230.00	10.00	1																										
18-24	230.00	240.00	10.00	nil																										
18-25	240.00	252.10	12.10	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10308	56.30	57.00	0.70	10% Qtz veins
10309	57.00	58.00	1.00	5% Qtz veins
10310	58.00	59.00	1.00	10% Qtz veins
10311	59.00	60.00	1.00	2% Qtz veins; 1% pyrite
10312	60.00	61.00	1.00	1% pyrite
10313	61.00	62.00	1.00	10% Qtz veins
10314	62.00	63.00	1.00	20% Qtz veins
10315	63.00	64.00	1.00	1% pyrite
10316	64.00	65.00	1.00	1% pyrite
10317	68.00	69.00	1.00	10% Qtz veins
10318	69.00	70.00	1.00	2% Qtz veins
10319	70.80	71.20	0.40	40% Qtz veins
10320	78.50	79.50	1.00	gabbro; 2% pyrite
10321	79.50	80.50	1.00	gabbro; 2% pyrite
10370	80.50	81.50	1.00	gabbro; 2% pyrite
10322	81.50	82.50	1.00	gabbro; 1% pyrite
10323	82.50	83.50	1.00	gabbro; 1% pyrite
10324	83.50	84.50	1.00	gabbro; 1% pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10325	84.50	85.50	1.00	QFP; 1% pyrite
10326	85.50	86.50	1.00	QFP; 1% pyrite
10327	86.50	87.50	1.00	gabbro; 1% pyrite
10328	87.50	88.50	1.00	gabbro; 1% pyrite
10329	88.50	89.50	1.00	gabbro; 1% pyrite
10330	89.50	90.50	1.00	gabbro; 1% pyrite
10371	90.50	91.50	1.00	gabbro; 1% pyrite
10331	91.50	92.50	1.00	gabbro; 1% pyrite
10332	92.50	93.50	1.00	QFP; 1% pyrite
10333	93.50	94.50	1.00	1% pyrite
10334	94.50	95.50	1.00	1% pyrite
10335	95.50	96.50	1.00	10% Qtz veins
10336	96.50	97.50	1.00	10% Qtz veins
10337	97.50	98.50	1.00	50% Qtz veins
10338	98.50	99.50	1.00	1% pyrite
10339	99.50	100.50	1.00	10% Qtz veins; 1% pyrite
10340	100.50	101.50	1.00	40% Qtz veins
10341	101.50	102.50	1.00	50% Qtz veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10342	112.50	113.50	1.00	10% Qtz veins
10343	116.00	116.80	0.80	10% Qtz veins
10344	117.60	118.60	1.00	10% Qtz veins
10345	123.30	123.80	0.50	Carb. veins; 1% pyrite
10346	130.60	131.80	1.20	40% Qtz veins
10347	134.00	135.00	1.00	10% Qtz veins
10348	135.70	136.50	0.80	10% Qtz veins
10349	143.30	144.00	0.70	20% Qtz veins
10350	149.00	150.10	1.10	5% Qtz-Carb. veins
10351	155.50	156.50	1.00	5% Qtz-Carb. veins
10352	156.50	157.50	1.00	5% Qtz-Carb. veins
10353	157.50	158.00	0.50	5% Carb. veins; 1% pyrite
10354	158.00	158.70	0.70	5% Qtz-Carb. veins; 1% pyrite
10355	161.50	162.50	1.00	5% Carb. veins; 1% pyrite
10356	162.50	163.50	1.00	20% Qtz-Carb. veins; 1% p
10357	170.00	171.00	1.00	15% Qtz-Carb. veins; 1% p
10358	171.00	172.00	1.00	10% Qtz-Carb. veins; 1% p
10359	175.80	176.50	0.70	10% Qtz-Carb. veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10360	177.90	178.30	0.40	10% Qtz-Carb. veins
10361	191.00	192.00	1.00	5% Qtz-Carb.-epidote veins
10362	196.80	197.20	0.40	20% Qtz-Carb.-epidote veins
10363	199.50	200.00	0.50	50% Carb. veins; 1% pyrite
10364	207.20	207.70	0.50	5% Carb. veins; 1% pyrite
10365	214.50	215.30	0.80	5% Qtz-Carb.-epidote veins
10366	223.40	223.70	0.30	Qtz-Carb. vein
10367	234.00	234.50	0.50	30% Qtz-Carb. veins
10368	245.00	246.00	1.00	20% Qtz-Carb. veins
10369	246.00	247.00	1.00	20% Qtz-Carb. veins

LES EXPLORATIONS NORAMCO INC.

H-1435-019

10-29-1987::14:14

DIAMOND DRILL LOG

FINAL COPY

Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442222-2	Coordinates:	L62+00E , 18+00N MTM
Azimuth:	340 degrees	Dip:	-50 degrees	Length:	300.84 meters
Logged By:	Regis Simard	Casing:	In: 24;4m BW; 12;2m NW	Elevation:	314 meters
Date Started:	Aug. 11 1987	Date Completed:	Aug. 16 1987	Date Logged:	Aug. 16 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Aug. 28 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	53.6 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-56 deg.
# 2.	300.84 m		-54 deg.

Purpose

Follow-up of mineralized shear in 1435-04 (4.40g/t over 1.5m).
Splay off major SE trending ductile fault zone (?).

Conclusions

Intersected predominantly gabbro + mafic to intermediate volcanics with several QFP dykes as in 1435-04; no major fault zones or Qtz vein zones intersected.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	53.6	OVERBURDEN		
53.6	79.5	GABBRO; MINOR BASALT	Pyrite (tr; small cub)	Carbonate (calcitic; 68.) Chlorite (weak to moder) Leucoxene (76.9-79.5: 3%)
79.5	95.5	AMYGDALOIDAL ANDESITE FLOW	Pyrite (tr; small cub)	Carbonate (calcitic; ver) Epidote (weak) Leucoxene (locally; 1-3%)
95.5	99.1	QFP DYKE	Pyrite (95.5-95.7: 5%)	Silica (strongly perv)
99.1	125.7	GABBRO; MINOR BASALT	Pyrite (tr-1%; small)	Carbonate (calcitic; mod)
125.7	130.6	QFP DYKE	Pyrite (tr; (vfg).)	Carbonate (calcitic; wea)
130.6	137.0	AMYGDALOIDAL ANDESITE FLOW		
137.0	176.9	GABBRO; MINOR BASALT	Pyrite (tr; small cub)	Carbonate (calcitic; mod)
147.6	154.1	PORPHYRITIC GABBRO		Carbonate (calcitic; wea)
176.9	207.6	QFP INTRUSION	Pyrite (tr; (vfg).)	Carbonate (calcitic; wea)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
207.6	216.9	AMYGDALOIDAL ANDESITE FLOW		
216.9	249.0	GABBRO; MINOR BASALT	Pyrite (tr; (vfg))	Carbonate (calcitic; wea) Leucoxene (224.0-230.0:)
249.0	255.1	AMYGDALOIDAL ANDESITE FLOW		
255.1	278.3	GABBRO; MINOR BASALT		
278.3	300.8	AMYGDALOIDAL ANDESITE FLOW; MINOR GABBRO		
	300.8	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	53.6	OVERBURDEN												
53.6	79.5	GABBRO; MINOR BASALT												
		Dark Green	10372	55.50	56.00	0.50	nil							
		Fine to Medium Grained												
		Massive	10373	65.30	66.30	1.00	nil							
		Schistosity at 80 Deg. Cax.												
		1% Quartz-Carbonate Veining at 70 Deg. Cax. -- Avg. Width	10374	69.70	70.50	0.80	nil							
		5mm	10375	70.50	71.50	1.00	nil							
		Pyrite: tr; small cubes (1-2mm)	10376	71.50	72.50	1.00	nil							
		Carbonate Alteration: calcitic; 68.05-79.5: strongly	10377	72.50	73.50	1.00	nil							
		pervasive.	10378	73.50	74.50	1.00	nil							
		Chlorite Alteration: weak to moderate pervasive	10379	74.50	75.50	1.00	nil							
		Leucoxene Alteration: 76.9-79.5: 3% leucoxene grains (1mm).	10380	75.50	76.50	1.00	nil							
		Non Magnetic	10381	76.50	77.50	1.00	nil							
			10382	77.50	78.50	1.00	nil							
		57.0-68.05: very massive zone.	10383	78.50	79.50	1.00	nil							
		68.05-79.5: sheared zone at 80CAX.												
		79.5: sharp contact at 80CAX.												
79.5	95.5	AMYGDALOIDAL ANDESITE FLOW												
		Light Green												
		Very Fine Grained	10384	94.00	95.00	1.00	nil							
		Schistosity at 80 Deg. Cax.	10385	95.00	96.00	1.00	nil							
		1% Quartz-Carbonate Veining at 60 Deg. Cax. -- Avg. Width												
		5mm												
		Pyrite: tr; small cubes (1-2mm).												
		Carbonate Alteration: calcitic; very strongly pervasive												
		Epidote Alteration: weak												
		Leucoxene Alteration: locally; 1-3% leucoxene grains (1mm).												
		Non Magnetic												
		1-3% carbonate amygdules (5mm).												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
95.5	99.1	**QFP DYKE**												
		Light Grey	10386	96.00	97.00	1.00	nil							
		Porphyritic with Aphanitic Matrix	10387	97.00	98.00	1.00	nil							
		Schistosity at 70 Deg. Cax.	10388	98.00	99.00	1.00	nil							
		Pyrite: 95.5-95.7: 5% (vfg).	10389	99.00	100.00	1.00	nil							
		Silica Alteration: strongly pervasive; masks texture of QFP.												
		Non Magnetic												
		1-2% blue Qtz eyes (1-2mm).												
		98.7-99.1: 15% blue Qtz eyes (5mm); very silicified zone.												
		97.5-97.63: epidote vein at 90CAX.												
		sharp upper & lower contacts at 75CAX.												
99.1	125.7	**GABBRO; MINOR BASALT**												
		Dark Green												
		Fine to Medium Grained	10390	104.20	104.70	0.50	nil							
		Massive												
		1% Quartz-Carbonate Veining at 70 Deg. Cax. -- Avg. Width 5mm	10391	109.00	110.00	1.00	nil							
			10392	110.00	111.00	1.00	nil							
		Pyrite: tr-1%; small cubes (1-2mm).	10393	111.00	112.00	1.00	nil							
		Carbonate Alteration: calcitic; moderate pervasive.	10394	112.00	112.50	0.50	nil							
		Non Magnetic												
			10395	115.20	115.60	0.40	nil							
		99.1-104.15: very massive zone; same as 57.0-68.05												
		108.0-111.5: bleached zone; 1% pyrite	10396	116.80	117.30	0.50	nil							
		123.35-123.72: QFP dyke; 1% blue Qtz eyes (3-5mm).	10397	119.00	120.00	1.00	nil							
			10398	122.30	123.00	0.70	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10399	125.30	126.30	1.00	nil							
125.7	130.6	QFP DYKE												
		Mottled Grey to Blue	10400	126.30	127.30	1.00	nil							
		Quartz: 3-5% blue Qtz eyes (1-5mm).	10401	127.30	128.30	1.00	nil							
		Porphyritic with Aphanitic Matrix	10402	128.30	129.30	1.00	nil							
		Schistosity at 75 Deg. Cax.	10403	129.30	130.30	1.00	nil							
		1% Quartz-Carbonate Veining -- Avg. Width 5mm												
		Pyrite: tr; (vfg).												
		Carbonate Alteration: calcitic; weak to moderate pervasive												
		Non Magnetic												
		125.7 and 130.55: sharp contacts at 80CAX.												
130.6	137.0	AMYGDALOIDAL ANDESITE FLOW												
		Same as 79.5-95.5												
			10404	136.60	137.60	1.00	nil							
137.0	176.9	GABBRO; MINOR BASALT												
		Dark Green												
		Fine to Medium Grained	10405	139.30	140.30	1.00	nil							
		Schistosity at 80 Deg. Cax.												
		1% Quartz-Carbonate Veining -- Avg. Width 5mm	10406	143.80	144.20	0.40	nil							
		Pyrite: tr; small cubes (1-2mm).												
		Carbonate Alteration: calcitic; moderate pervasive.	10407	145.90	146.20	0.30	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Non Magnetic												
		----------Sub Units----------												
		147.6 154.1 PORPHYRITIC GABBRO												
		Mottled Green to White Plagioclase: 3-7% phenocrysts; 1-5mm. Porphyritic with Phaneritic Matrix Massive Carbonate Alteration: calcitic; weak Non Magnetic	10450	147.80	148.15	0.35	nil							
			10408	154.10	154.90	0.80	nil							
			10409	155.60	156.20	0.60	nil							
			10410	164.30	165.30	1.00	nil							
			10411	165.30	166.30	1.00	nil							
			10412	167.50	168.50	1.00	nil							
			10413	171.40	171.80	0.40	nil							
176.9	207.6	QFP INTRUSION												
		Mottled Grey to Blue Quartz: 10% blue Qtz eyes (5-7mm).	10414	177.00	178.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Plagioclase: locally visible; 3-5%; 2-4mm	10415	178.00	179.00	1.00	nil							
		Porphyritic with Phaneritic Matrix	10416	179.00	180.00	1.00	nil							
		Schistosity at 70 Deg. Cax.	10417	180.00	181.00	1.00	nil							
		Pyrite: tr; (vfg).	10418	181.00	182.00	1.00	nil							
		Carbonate Alteration: calcitic; weak to moderate pervasive.	10419	182.00	183.00	1.00	nil							
		Non Magnetic	10420	183.00	184.00	1.00	nil							
			10421	184.00	185.00	1.00	nil							
		192.75-196.7;201.6-202.95: gabbro dyke; (vfg).	10422	185.00	186.00	1.00	nil							
		176.9 and 207.55: sharp contacts at 80CAX.	10423	186.00	187.00	1.00	nil							
			10424	187.00	188.00	1.00	nil							
			10425	188.00	189.00	1.00	nil							
			10426	189.00	190.00	1.00	nil							
			10427	190.00	191.00	1.00	nil							
			10428	191.00	192.00	1.00	nil							
			10429	192.00	193.00	1.00	nil							
			10430	196.50	197.50	1.00	nil							
			10431	197.50	198.50	1.00	nil							
			10432	198.50	199.50	1.00	nil							
			10433	199.50	200.50	1.00	nil							
			10434	200.50	201.50	1.00	nil							
			10435	203.00	204.00	1.00	nil							
			10436	204.00	205.00	1.00	nil							
			10437	205.00	206.00	1.00	nil							
			10438	206.00	207.00	1.00	nil							
			10439	207.00	207.50	0.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
207.6	216.9	**AMYGDALOIDAL ANDESITE FLOW**												
		Same as 79.5-95.5												
		5-10% carbonate amygdules (5-10mm).												
216.9	249.0	**GABBRO; MINOR BASALT**												
		Dark Green												
		Fine to Medium Grained	10440	239.50	240.50	1.00	nil							
		Massive												
		1% Quartz-Carbonate Veining -- Avg. Width 1cm	10441	241.50	242.50	1.00	nil							
		Pyrite: tr; (vfg)												
		Carbonate Alteration: calcitic; weak to moderate pervasive	10442	248.00	248.40	0.40	nil							
		Leucoxene Alteration: 224.0-230.0: 2-3%; 1mm.												
		Non Magnetic	10443	248.80	249.00	0.20	nil							
		216.9: sharp contact at 60CAX.												
		coarse grained at core; finer grained towards margins												
		239.55-240.3: QFP dyke with 10% blue Qtz eyes (5mm).												
249.0	255.1	**AMYGDALOIDAL ANDESITE FLOW**												
		Same as 79.5-95.5												
		5% Qtz-Carb. amygdules												
255.1	278.3	**GABBRO; MINOR BASALT**												
		Same as 216.9-249.0												
			10444	259.70	260.20	0.50	nil							
		278.3 sharp contact at 70CAX												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
278.3	300.8	**AMYGDALOIDAL ANDESITE FLOW; MINOR GABBRO**												
		Same as 249.0-255.05 Schistosity at 80 Deg. Cax.	10445	279.20	279.60	0.40	nil							
		290.35-291.45: Qtz veins; 10% chlorite; 1% tourmaline. 297.9-300.84: bleached gabbro; 1% pyrite cubes (1mm)	10446	281.80	282.30	0.50	nil							
		----------Sub Units----------												
		SAMPLE INTERVALS												
			10447	290.30	291.60	1.30	nil							
		Fire Assay Samples : 10372 to 10450 Lithogeochem Samples: 19-01 to 19-34	10448	298.80	299.80	1.00	nil							
			10449	299.80	300.80	1.00	nil							
300.8		**END OF HOLE.**												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
19-01	53.60	60.00	6.40	nil																										
19-02	60.00	68.05	8.05	nil																										
19-03	68.05	79.50	11.45	nil																										
19-04	79.50	88.00	8.50	nil																										
19-05	88.00	95.50	7.50	nil																										
19-06	95.50	99.10	3.60	nil																										
19-07	99.10	108.00	8.90	nil																										
19-08	108.00	111.50	3.50	nil																										
19-09	111.50	118.00	6.50	nil																										
19-10	118.00	125.70	7.70	nil																										
19-11	125.70	130.60	4.90	2																										
19-12	130.60	137.00	6.40	nil																										
19-13	137.00	147.55	10.55	8																										
19-14	147.55	154.10	6.55	nil																										
19-15	154.10	162.00	7.90	3																										
19-16	162.00	170.00	8.00	nil																										
19-17	170.00	176.90	6.90	5																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
19-18	176.90	185.00	8.10	9																										
19-19	185.00	192.75	7.75	nil																										
19-20	192.75	196.70	3.95	nil																										
19-21	196.70	200.00	3.30	nil																										
19-22	200.00	207.60	7.60	nil																										
19-23	207.60	216.90	9.30	nil																										
19-24	216.90	224.00	7.10	24																										
19-25	224.00	230.00	6.00	18																										
19-26	230.00	240.00	10.00	nil																										
19-27	240.00	249.00	9.00	nil																										
19-28	249.00	255.10	6.10	nil																										
19-29	255.10	263.00	7.90	nil																										
19-30	263.00	271.00	8.00	nil																										
19-31	271.00	278.30	7.30	nil																										
19-32	278.30	288.00	9.70	nil																										
19-33	288.00	298.00	10.00	nil																										
19-34	298.00	300.80	2.80	3																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10372	55.50	56.00	0.50	10% Carb. veins
10373	65.30	66.30	1.00	sheared gabbro
10374	69.70	70.50	0.80	sheared gabbro
10375	70.50	71.50	1.00	sheared gabbro
10376	71.50	72.50	1.00	sheared gabbro
10377	72.50	73.50	1.00	sheared gabbro
10378	73.50	74.50	1.00	sheared gabbro
10379	74.50	75.50	1.00	sheared gabbro
10380	75.50	76.50	1.00	sheared gabbro
10381	76.50	77.50	1.00	sheared gabbro
10382	77.50	78.50	1.00	sheared gabbro
10383	78.50	79.50	1.00	sheared gabbro
10384	94.00	95.00	1.00	amygdaloidal andesite flow
10385	95.00	96.00	1.00	andesite/QFP
10386	96.00	97.00	1.00	QFP
10387	97.00	98.00	1.00	QFP
10388	98.00	99.00	1.00	QFP
10389	99.00	100.00	1.00	gabbro; 1% pyrite

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10390	104.20	104.70	0.50	gabbro; Qtz eyes
10391	109.00	110.00	1.00	bleached gabbro
10392	110.00	111.00	1.00	bleached gabbro
10393	111.00	112.00	1.00	bleached gabbro/gabbro 1% pyrite
10394	112.00	112.50	0.50	gabbro; 1% pyrite
10395	115.20	115.60	0.40	gabbro; 2% pyrite
10396	116.80	117.30	0.50	20% Carb. veins
10397	119.00	120.00	1.00	40% Carb. veins
10398	122.30	123.00	0.70	gabbro/QFP
10399	125.30	126.30	1.00	QFP
10400	126.30	127.30	1.00	QFP
10401	127.30	128.30	1.00	QFP
10402	128.30	129.30	1.00	QFP
10403	129.30	130.30	1.00	QFP
10404	136.60	137.60	1.00	5% Carb. veinlets
10405	139.30	140.30	1.00	5% Qtz veins
10406	143.80	144.20	0.40	5% Carb.veins; 1% pyrite
10407	145.90	146.20	0.30	20% epidote vein

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10450	147.80	148.15	0.35	Quartz-vein
10408	154.10	154.90	0.80	30% Carb.-epidote veins
10409	155.60	156.20	0.60	epidote vein // CAX
10410	164.30	165.30	1.00	Qtz vein // CAX
10411	165.30	166.30	1.00	Qtz vein // CAX
10412	167.50	168.50	1.00	Qtz-epidote vein // CAX
10413	171.40	171.80	0.40	5% Qtz-Carb.-epidote vein
10414	177.00	178.00	1.00	QFP
10415	178.00	179.00	1.00	QFP
10417	180.00	181.00	1.00	QFP
10418	181.00	182.00	1.00	QFP
10419	182.00	183.00	1.00	QFP
10420	183.00	184.00	1.00	QFP
10421	184.00	185.00	1.00	QFP
10422	185.00	186.00	1.00	QFP
10423	186.00	187.00	1.00	QFP
10424	187.00	188.00	1.00	QFP
10425	188.00	189.00	1.00	QFP

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10426	189.00	190.00	1.00	QFP
10427	190.00	191.00	1.00	QFP
10428	191.00	192.00	1.00	QFP
10429	192.00	193.00	1.00	QFP
10430	196.50	197.50	1.00	QFP
10431	197.50	198.50	1.00	QFP
10432	198.50	199.50	1.00	QFP
10433	199.50	200.50	1.00	QFP
10434	200.50	201.50	1.00	QFP
10435	203.00	204.00	1.00	QFP
10436	204.00	205.00	1.00	QFP
10437	205.00	206.00	1.00	QFP
10438	206.00	207.00	1.00	QFP
10439	207.00	207.50	0.50	QFP
10440	239.50	240.50	1.00	QFP dyke
10441	241.50	242.50	1.00	40% Carb. veins
10442	248.00	248.40	0.40	Qtz vein
10443	248.80	249.00	0.20	Qtz vein

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10444	259.70	260.20	0.50	Qtz vein // CAX
10445	279.20	279.60	0.40	20% Qtz veins
10446	281.80	282.30	0.50	10% Carb. veins; sheared zone
10447	290.30	291.60	1.30	Qtz vein
10448	298.80	299.80	1.00	bleached gabbro; 1% pyrite
10449	299.80	300.80	1.00	bleached gabbro; 1% pyrite

LES EXPLORATIONS NORAMCO INC.

H-1435-020

10-08-1987::13:28

DIAMOND DRILL LOG

COPIE FINALE

Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	431939-2	Coordinates:	6+50E , 4+25S MTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	252.1 meters
Logged By:	Regis Simard	Casing:	Out	Elevation:	305 meters
Date Started:	Aug. 14 1987	Date Completed:	Aug. 19 1987	Date Logged:	Aug. 22 1987
Core Location:	St-Janvier	Samples Shipped:	Aug. 28 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	50.9 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-48.5 deg.
# 2.	121.92 m		-48 deg.
# 3.	243.84 m		-54 deg.

Purpose

Test break in folded MAX-MIN conductor; and possible felsic volcanics in contact with sediments on southern limb of southern syncline.

Conclusions

Top half of hole intersected highly silicified rhyolitic to rhyo-dacitic flows with minor disseminated pyrite; bottom half of hole intersected weakly graphitic sediments with 1-2% disseminated pyrite+pyrrhotite; no major sulfide zones or qtz vein zones encountered.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	50.9	OVERBURDEN		
50.9	54.4	MASSIVE RHYOLITE	Pyrite (tr; (vfg))	Silica (very strongly)
54.4	57.6	RHYO-DACITE	Pyrite (tr; (vfg))	Silica (strongly perv) Carbonate (very weak; sp)
57.6	65.5	MASSIVE RHYOLITE		
65.5	109.3	FRAGMENTAL RHYOLITE	Pyrite (tr; (vfg))	Silica (very strongly)
109.3	132.4	RHYO-DACITE	Pyrite (tr-1%; associ)	Silica (strongly perv) Chlorite (weak; spotty.)
132.4	252.1	INTERBEDDED ARGILLITIC- WEAKLY GRAPHITIC SANDSTONE / GREYWACKE / CONGLOMERATE	Pyrite (tr-1%;(vfg);) Pyrrhotite (tr; (vfg); in)	Carbonate (calcitic; mod)
222.4	230.9	RHYO-DACITE		Silica (very strongly) Chlorite (locally weak;)
245.5	252.1	RHYO-DACITE; MINOR FRAGMENTAL RHYO-DACITE		Silica (strongly perv) Hematite (247.0-248.0:) Chlorite (locally weak;)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
	252.1	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	50.9	OVERBURDEN												
50.9	54.4	MASSIVE RHYOLITE												
		Dark Black	10651	50.90	52.00	1.10	nil							
		Quartz: some angular Qtz eyes (5mm); <1%.	10451	52.00	53.00	1.00	0.005							
		Plagioclase: tr-1%; rectangular (1mm).	10452	53.00	54.00	1.00	0.005							
		Porphyritic with Aphanitic Matrix	10453	54.00	55.00	1.00	0.005							
		Massive												
		Moderately Fractured (10 Fractures/Meter)												
		1% Quartz-Carbonate Veining variable -- Avg. Width 3mm												
		Pyrite: tr; (vfg)												
		Silica Alteration: very strongly pervasive.												
		Non Magnetic												
		conchoidal fractures												
54.4	57.6	RHYO-DACITE												
		Plagioclase: tr-1% rectangular grains (1-2mm).	10454	55.00	56.00	1.00	0.005							
		Quartz: some angular Qtz eyes (1mm); <1%.	10455	56.00	57.00	1.00	0.005							
		Massive	10456	57.00	58.00	1.00	0.005							
		Moderately Fractured (10 Fractures/Meter)												
		3% Quartz-Carbonate Veining variable -- Avg. Width 5mm												
		Pyrite: tr; (vfg)												
		Silica Alteration: strongly pervasive.												
		Carbonate Alteration: very weak; spotty.												
		Non Magnetic												
		Some brecciated zones with angular fragments of 1cm.												
		56.5-57.57: gradual contact; darker towards base; 57.57 irregular sharp contact.												
57.6	65.5	MASSIVE RHYOLITE												
		Same as 50.9-54.4	10457	58.00	59.00	1.00	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10458	59.00	60.00	1.00	0.005							
		Some brecciated zones; (10cm width); with angular fragments	10459	60.00	61.00	1.00	0.005							
		of 1cm.	10460	61.00	62.00	1.00	0.005							
			10461	62.00	63.00	1.00	0.005							
			10462	63.00	64.00	1.00	0.005							
			10463	64.00	65.00	1.00	0.005							
			10464	65.00	66.00	1.00	0.005							
65.5	109.3	**FRAGMENTAL RHYOLITE**												
		Dark Black to Grey	10465	66.00	67.00	1.00	0.005							
		Lapilli: 80% elongated fragments locally visible with	10466	67.00	68.00	1.00	0.005							
		presence of Qtz eyes and plagioclases phenocrysts (<1%).	10467	68.00	69.00	1.00	0.005							
		Matrix: 20%; aphanitic	10468	69.00	70.00	1.00	0.005							
		Porphyritic with Aphanitic Matrix	10469	70.00	71.00	1.00	0.005							
		Schistosity at 60 Deg. Cax.	10470	71.00	72.00	1.00	0.005							
		1% Quartz-Carbonate Veining various -- Avg. Width 3mm	10471	72.00	73.00	1.00	0.005							
		Pyrite: tr; (vfg)	10472	73.00	74.00	1.00	0.005							
		Silica Alteration: very strongly pervasive; masks tuff	10473	74.00	75.00	1.00	0.005							
		texture.	10474	75.00	76.00	1.00	0.005							
		Non Magnetic	10475	76.00	77.00	1.00	0.005							
			10507	77.00	78.00	1.00	nil							
		Some brecciated zones (10 to 20cm); with angular fragments	10476	78.00	79.00	1.00	0.005							
		of 1cm.	10477	79.00	80.00	1.00	0.005							
		84.65-84.9: intermediate dyke; sharp contacts at 60CAX;	10478	80.00	81.00	1.00	0.005							
		coarse granular texture at core; fining towards both	10479	81.00	82.00	1.00	0.005							
		contacts.	10480	82.00	83.00	1.00	0.005							
		(sedimentary xenolith ?).	10481	83.00	84.00	1.00	0.005							
			10482	84.00	85.00	1.00	0.005							
			10483	85.00	86.00	1.00	0.005							
			10484	86.00	87.00	1.00	0.005							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10485	87.00	88.00	1.00	0.005							
			10486	88.00	89.00	1.00	0.005							
			10487	89.00	90.00	1.00	0.005							
			10488	90.00	91.00	1.00	0.005							
			10489	91.00	92.00	1.00	0.005							
			10490	92.00	93.00	1.00	0.005							
			10491	93.00	94.00	1.00	0.005							
			10492	94.00	95.00	1.00	0.005							
			10493	95.00	96.00	1.00	0.005							
			10494	96.00	97.00	1.00	0.005							
			10495	97.00	98.00	1.00	0.005							
			10496	98.00	99.00	1.00	0.005							
			10497	99.00	100.00	1.00	0.140							
			10498	100.00	101.00	1.00	0.025							
			10499	101.00	102.00	1.00	0.490							
			10500	102.00	103.00	1.00	nil							
			10501	103.00	104.00	1.00	nil							
			10502	104.00	105.00	1.00	0.020							
			10503	105.00	106.00	1.00	nil							
			10504	106.00	107.00	1.00	nil							
			10505	107.00	108.00	1.00	nil							
			10506	108.00	109.00	1.00	nil							
			10508	109.00	110.00	1.00	nil							
109.3	132.4	**RHYO-DACITE**												
		Same as 54.4-57.57	10509	110.00	111.00	1.00	nil							
		Light Green	10510	111.00	112.00	1.00	0.320							
		Mafic Minerals: 3-5% chloritised phenocrysts (<.5mm);	10511	112.00	113.00	1.00	nil							
		Plagioclase: tr-1% rectangular phenocrysts (1-2mm).	10512	113.00	114.00	1.00	nil							
		Porphyritic with Aphanitic Matrix	10513	114.00	115.00	1.00	nil							
		Massive	10514	115.00	116.00	1.00	nil							
		Fracturing various	10515	116.00	117.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Highly Fractured (20 Fractures/Meter)	10516	117.00	118.00	1.00	nil							
		Pyrite: tr-1%; associated with fractures; (vfg).	10517	118.00	119.00	1.00	nil							
		Silica Alteration: strongly pervasive.	10518	119.00	120.00	1.00	nil							
		Chlorite Alteration: weak; spotty.	10519	120.00	121.00	1.00	nil							
		Non Magnetic	10520	121.00	122.00	1.00	nil							
			10521	122.00	123.00	1.00	nil							
		Chlorite-filled fractures with associated increase in	10522	123.00	124.00	1.00	nil							
		pyrite at margins; increasing towards base.	10523	124.00	125.00	1.00	0.035							
		Fractures and spotty chloritised phenocrysts increase with	10524	125.00	126.00	1.00	0.020							
		depth.	10525	126.00	127.00	1.00	nil							
		109.3-110.3: gradual contact; black to light green.	10526	127.00	128.00	1.00	nil							
		115.3-115.65: intermediate dyke.; sharp contacts at 60CAX;	10527	128.00	129.00	1.00	nil							
		similar to dyke @ 84.65-84.9.	10528	129.00	130.00	1.00	nil							
			10529	130.00	131.00	1.00	nil							
			10530	131.00	132.00	1.00	nil							
			10531	132.00	133.00	1.00	nil							
132.4	252.1	**INTERBEDDED ARGILLITIC- WEAKLY GRAPHITIC SANDSTONE / GREYWACKE / CONGLOMERATE**												
		Dark Black to Grey	10532	133.00	134.00	1.00	nil							
		Fine Grained	10533	134.00	135.00	1.00	nil							
		Bedding at 75 Deg. Cax.	10534	135.00	136.00	1.00	nil							
		Schistosity at 75 Deg. Cax.	10535	136.00	137.00	1.00	nil							
		1% Quartz-Carbonate Veining various -- Avg. Width 1cm	10536	137.00	138.00	1.00	nil							
		Pyrite: tr-1%;(vfg); in the matrix; and in the fractures.	10537	138.00	139.00	1.00	nil							
		Pyrrhotite: tr; (vfg); in the matrix.	10538	139.00	140.00	1.00	nil							
		Carbonate Alteration: calcitic; moderate pervasive	10539	140.00	141.00	1.00	nil							
		Non Magnetic	10540	141.00	142.00	1.00	nil							
			10541	142.00	143.00	1.00	nil							
		Repetitive sequence of 1 to 2m beds of weakly graphitic	10542	143.00	144.00	1.00	nil							
		conglomerate(S1) / sandstone(S2) / greywacke(S3).	10543	144.00	145.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Conglomerate(S1): 75% elongated fragments of 2cm; and 25% argillitic(S4) matrix.	10544	145.00	146.00	1.00	nil							
		Possible stratigraphic tops uphold(?).	10545	146.00	147.00	1.00	nil							
		162.45-162.7: intermediate coarse dyke; similar to dyke @ 84.65-84.9. contacts at 75CAX.	10546	147.00	148.00	1.00	nil							
		163.45-163.55: same as above.	10547	148.00	149.00	1.00	nil							
		165.13-165.25: same as above.	10548	149.00	150.00	1.00	nil							
		171.85-172.0: same as above.	10549	150.00	151.00	1.00	nil							
		185.6-186.0: same as above.	10550	151.00	152.00	1.00	nil							
		203.05-203.25: same as above.	10551	152.00	153.00	1.00	nil							
		206.65-206.90: same as above.	10552	153.00	154.00	1.00	nil							
		208.07-208.6: same as above.	10553	154.00	155.00	1.00	nil							
		221.0-221.3: same as above.	10554	155.00	156.00	1.00	nil							
		153.05-153.15: fault gouge.	10555	156.00	157.00	1.00	nil							
		203.25-203.35: fault gouge.	10556	157.00	158.00	1.00	nil							
		206.9-208.07: bleached greywacke.	10557	158.00	159.00	1.00	nil							
		208.6-209.1: bleached greywacke.	10558	159.00	160.00	1.00	nil							
		221.0-222.45: bleached greywacke.	10559	160.00	161.00	1.00	nil							
		222.45: irregular sharp contact.	10560	161.00	162.00	1.00	nil							
		230.9-245.5: schistosity locally contorted (crumpled texture).	10561	162.00	163.00	1.00	nil							
			10562	163.00	164.00	1.00	nil							
			10563	164.00	165.00	1.00	nil							
			10564	165.00	166.00	1.00	nil							
			10565	166.00	167.00	1.00	nil							
			10566	167.00	168.00	1.00	nil							
			10567	168.00	169.00	1.00	nil							
			10568	169.00	170.00	1.00	nil							
			10569	170.00	171.00	1.00	nil							
			10570	171.00	172.00	1.00	nil							
			10571	172.00	173.00	1.00	nil							
			10572	173.00	174.00	1.00	nil							
			10573	174.00	175.00	1.00	nil							
			10574	175.00	176.00	1.00	nil							
			10575	176.00	177.00	1.00	nil							
			10576	177.00	178.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10577	178.00	179.00	1.00	nil							
			10578	179.00	180.00	1.00	nil							
			10579	180.00	181.00	1.00	nil							
			10580	181.00	182.00	1.00	nil							
			10581	182.00	183.00	1.00	nil							
			10582	183.00	184.00	1.00	nil							
			10583	184.00	185.00	1.00	nil							
			10584	185.00	186.00	1.00	nil							
			10585	186.00	187.00	1.00	nil							
			10586	187.00	188.00	1.00	nil							
			10587	188.00	189.00	1.00	nil							
			10588	189.00	190.00	1.00	nil							
			10589	190.00	191.00	1.00	nil							
			10590	191.00	192.00	1.00	nil							
			10591	192.00	193.00	1.00	nil							
			10592	193.00	194.00	1.00	nil							
			10593	194.00	195.00	1.00	nil							
			10594	195.00	196.00	1.00	nil							
			10595	196.00	197.00	1.00	nil							
			10596	197.00	198.00	1.00	nil							
			10597	198.00	199.00	1.00	nil							
			10598	199.00	200.00	1.00	nil							
			10599	200.00	201.00	1.00	nil							
			10600	201.00	202.00	1.00	nil							
			10601	202.00	203.00	1.00	nil							
			10602	203.00	204.00	1.00	nil							
			10603	204.00	205.00	1.00	nil							
			10604	205.00	206.00	1.00	nil							
			10605	206.00	207.00	1.00	nil							
			10606	207.00	208.00	1.00	nil							
			10607	208.00	209.00	1.00	nil							
			10608	209.00	210.00	1.00	nil							
			10609	210.00	211.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10610	211.00	212.00	1.00	nil							
			10611	212.00	213.00	1.00	nil							
			10612	213.00	214.00	1.00	nil							
			10613	214.00	215.00	1.00	nil							
			10614	215.00	216.00	1.00	nil							
			10615	216.00	217.00	1.00	nil							
			10616	217.00	218.00	1.00	nil							
			10617	218.00	219.00	1.00	nil							
			10618	219.00	220.00	1.00	nil							
			10619	220.00	221.00	1.00	nil							
			10620	221.00	222.00	1.00	nil							
			10621	222.00	223.00	1.00	nil							
		----------Sub Units----------												
		222.4 230.9 RHYO-DACITE												
		Same as 109.3-132.35	10622	223.00	224.00	1.00	nil							
		3% Quartz-Carbonate Veining variable -- Avg. Width 1cm	10623	224.00	225.00	1.00	nil							
		Silica Alteration: very strongly pervasive.	10624	225.00	226.00	1.00	nil							
		Chlorite Alteration: locally weak; spotty; (tr-1%).	10625	226.00	227.00	1.00	nil							
			10626	227.00	228.00	1.00	nil							
		Some plagioclase phenocrysts (<1%).	10627	228.00	229.00	1.00	nil							
			10628	229.00	230.00	1.00	nil							
			10629	230.00	231.00	1.00	nil							
			10630	231.00	232.00	1.00	nil							
			10631	232.00	233.00	1.00	nil							
			10632	233.00	234.00	1.00	nil							
			10633	234.00	235.00	1.00	nil							
			10634	235.00	236.00	1.00	nil							
			10635	236.00	237.00	1.00	nil							
			10636	237.00	238.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10637	238.00	239.00	1.00	nil							
			10638	239.00	240.00	1.00	nil							
			10639	240.00	241.00	1.00	nil							
			10640	241.00	242.00	1.00	nil							
			10641	242.00	243.00	1.00	nil							
			10642	243.00	244.00	1.00	nil							
			10643	244.00	245.00	1.00	nil							
			10644	245.00	246.00	1.00	nil							
245.5	252.1	**RHYO-DACITE; MINOR FRAGMENTAL RHYO-DACITE**												
		Same as 109.3-132.35	10645	246.00	247.00	1.00	nil							
		Massive	10646	247.00	248.00	1.00	nil							
		Schistosity at 60 Deg. Cax.	10647	248.00	249.00	1.00	nil							
		Silica Alteration: strongly pervasive: masks possibly lapilli tuff zone.	10648	249.00	250.00	1.00	nil							
			10649	250.00	251.00	1.00	nil							
		Hematite Alteration: 247.0-248.0: weak	10650	251.00	252.10	1.10	nil							
		Chlorite Alteration: locally weak; spotty; (<1%); (<.5mm).												
		Some zones of 30cm width with elongated felsic fragments of 3cm width.												
		SAMPLE INTERVALS												
		Fire Assay Samples : 10451 to 10651												
		Lithogeochem Samples: 20-01 to 20-23												
252.1		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
20-01	50.90	54.40	3.50	7																										
20-02	54.40	57.60	3.20	2																										
20-03	57.60	65.50	7.90	3																										
20-04	65.50	75.00	9.50	3																										
20-05	75.00	85.00	10.00	7																										
20-06	85.00	95.00	10.00	4																										
20-07	95.00	105.00	10.00	3																										
20-08	105.00	109.30	4.30	1																										
20-09	109.30	120.00	10.70	nil																										
20-10	120.00	132.40	12.40	nil																										
20-11	132.40	142.00	9.60	1																										
20-12	142.00	152.00	10.00	2																										
20-13	152.00	162.00	10.00	2																										
20-14	162.00	172.00	10.00	1																										
20-15	172.00	182.00	10.00	nil																										
20-16	182.00	192.00	10.00	nil																										
20-17	192.00	202.00	10.00	8																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
20-18	202.00	212.00	10.00	nil																										
20-19	212.00	222.40	10.40	nil																										
20-20	222.40	230.90	8.50	nil																										
20-21	230.90	238.00	7.10	1																										
20-22	238.00	245.50	7.50	nil																										
20-23	245.50	252.10	6.60	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10651	50.90	52.00	1.10	silicified rhyolite
10451	52.00	53.00	1.00	silicified rhyolite
10452	53.00	54.00	1.00	silicified rhyolite
10453	54.00	55.00	1.00	silicified rhyolite/rhyo-dacite
10454	55.00	56.00	1.00	silicified rhyo-dacite
10455	56.00	57.00	1.00	silicified rhyo-dacite
10456	57.00	58.00	1.00	silicified rhyo-dacite/rhyolite
10457	58.00	59.00	1.00	silicified brecciated rhyolite
10458	59.00	60.00	1.00	silicified rhyolite
10459	60.00	61.00	1.00	silicified rhyolite
10460	61.00	62.00	1.00	silicified rhyolite
10461	62.00	63.00	1.00	silicified rhyolite
10462	63.00	64.00	1.00	silicified rhyolite
10463	64.00	65.00	1.00	silicified rhyolite
10464	65.00	66.00	1.00	silicified rhyolite/fragmental rhyolite
10465	66.00	67.00	1.00	silicified fragmental rhyolite
10466	67.00	68.00	1.00	silicified fragmental rhyolite
10467	68.00	69.00	1.00	silicified fragmental rhyolite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10468	69.00	70.00	1.00	silicified fragmental rhyolite
10469	70.00	71.00	1.00	silicified fragmental rhyolite
10470	71.00	72.00	1.00	silicified fragmental rhyolite
10471	72.00	73.00	1.00	silicified fragmental rhyolite
10472	73.00	74.00	1.00	silicified fragmental rhyolite
10473	74.00	75.00	1.00	silicified fragmental rhyolite
10474	75.00	76.00	1.00	silicified fragmental rhyolite
10475	76.00	77.00	1.00	silicified fragmental rhyolite
10507	77.00	78.00	1.00	silicified fragmental rhyolite
10476	78.00	79.00	1.00	silicified fragmental rhyolite
10477	79.00	80.00	1.00	silicified fragmental rhyolite
10478	80.00	81.00	1.00	silicified fragmental rhyolite
10479	81.00	82.00	1.00	silicified fragmental rhyolite
10480	82.00	83.00	1.00	silicified fragmental rhyolite
10481	83.00	84.00	1.00	silicified fragmental rhyolite
10482	84.00	85.00	1.00	silicified fragmental rhyolite
10483	85.00	86.00	1.00	silicified fragmental rhyolite
10484	86.00	87.00	1.00	silicified fragmental rhyolite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10485	87.00	88.00	1.00	silicified fragmental rhyolite
10486	88.00	89.00	1.00	silicified fragmental rhyolite
10487	89.00	90.00	1.00	silicified fragmental rhyolite
10488	90.00	91.00	1.00	silicified fragmental rhyolite
10489	91.00	92.00	1.00	silicified fragmental rhyolite
10490	92.00	93.00	1.00	silicified fragmental rhyolite
10491	93.00	94.00	1.00	silicified fragmental rhyolite
10492	94.00	95.00	1.00	silicified fragmental rhyolite
10493	95.00	96.00	1.00	silicified fragmental rhyolite
10494	96.00	97.00	1.00	silicified fragmental rhyolite
10495	97.00	98.00	1.00	silicified fragmental rhyolite
10496	98.00	99.00	1.00	silicified fragmental rhyolite
10497	99.00	100.00	1.00	silicified fragmental rhyolite
10498	100.00	101.00	1.00	silicified fragmental rhyolite
10499	101.00	102.00	1.00	silicified fragmental rhyolite
10500	102.00	103.00	1.00	silicified fragmental rhyolite
10501	103.00	104.00	1.00	silicified fragmental rhyolite
10502	104.00	105.00	1.00	silicified fragmental rhyolite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10503	105.00	106.00	1.00	silicified fragmental rhyolite
10504	106.00	107.00	1.00	silicified fragmental rhyolite
10505	107.00	108.00	1.00	silicified fragmental rhyolite
10506	108.00	109.00	1.00	silicified fragmental rhyolite
10508	109.00	110.00	1.00	silicified fragmental rhyolite/rhyo-dacite
10509	110.00	111.00	1.00	silicified rhyo-dacite
10510	111.00	112.00	1.00	silicified rhyo-dacite
10511	112.00	113.00	1.00	silicified rhyo-dacite
10512	113.00	114.00	1.00	silicified rhyo-dacite
10513	114.00	115.00	1.00	silicified rhyo-dacite
10514	115.00	116.00	1.00	silicified rhyo-dacite
10515	116.00	117.00	1.00	silicified rhyo-dacite
10516	117.00	118.00	1.00	silicified rhyo-dacite
10517	118.00	119.00	1.00	silicified rhyo-dacite
10518	119.00	120.00	1.00	silicified rhyo-dacite
10519	120.00	121.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10520	121.00	122.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10521	122.00	123.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10522	123.00	124.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10523	124.00	125.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10524	125.00	126.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10525	126.00	127.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10526	127.00	128.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10527	128.00	129.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10528	129.00	130.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10529	130.00	131.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10530	131.00	132.00	1.00	brecciated silicified rhyo-dacite; 1% pyrite
10531	132.00	133.00	1.00	graphitic S2/S3
10532	133.00	134.00	1.00	graphitic S2/S3
10533	134.00	135.00	1.00	graphitic S3/S4
10534	135.00	136.00	1.00	graphitic S2/S3
10535	136.00	137.00	1.00	graphitic S2/S3
10536	137.00	138.00	1.00	graphitic S2/S3
10537	138.00	139.00	1.00	graphitic S1/S2/S3
10538	139.00	140.00	1.00	graphitic S1/S2/S3
10539	140.00	141.00	1.00	graphitic S2/S3; tr.-1% pyrite

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10540	141.00	142.00	1.00	graphitic S2/S3; tr. pyrite-pyrrhotite
10541	142.00	143.00	1.00	graphitic S1/S2/S3; 1% po
10542	143.00	144.00	1.00	graphitic S1/S2; 1% pyrite
10543	144.00	145.00	1.00	graphitic S1/S2
10544	145.00	146.00	1.00	graphitic S1/S2/S3
10545	146.00	147.00	1.00	graphitic S1/S2/S3; 1% pyrite
10546	147.00	148.00	1.00	graphitic S1/S2; tr-1% pyrite-po
10547	148.00	149.00	1.00	graphitic S1/S2; 1% pyrite
10548	149.00	150.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10549	150.00	151.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10550	151.00	152.00	1.00	graphitic S2/S3; tr. pyrite
10551	152.00	153.00	1.00	graphitic S2/S3; 1% pyrite
10552	153.00	154.00	1.00	graphitic S2/S3; 1% pyrite
10553	154.00	155.00	1.00	graphitic S1/S2/S3; tr. pyrite
10554	155.00	156.00	1.00	graphitic S1/S2; tr. pyrite-pyrrhotite
10555	156.00	157.00	1.00	graphitic S1; tr. pyrite-pyrrhotite
10556	157.00	158.00	1.00	graphitic S1/S2; tr. pyrite-pyrrhotite
10557	158.00	159.00	1.00	graphitic S1/S2/S3; tr. pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10558	159.00	160.00	1.00	graphitic S2/S3; tr.-1% pyrite
10559	160.00	161.00	1.00	graphitic S2/S3; 1% pyrite
10560	161.00	162.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10561	162.00	163.00	1.00	graphitic S1/S2/S3; 1% pyrite
10562	163.00	164.00	1.00	graphitic S1/S2; tr. pyrite
10563	164.00	165.00	1.00	graphitic S1; tr. pyrite
10564	165.00	166.00	1.00	graphitic S1; tr. pyrite
10565	166.00	167.00	1.00	graphitic S1/S2; tr. pyrite
10566	167.00	168.00	1.00	graphitic S1/S2; tr. pyrite
10567	168.00	169.00	1.00	graphitic S2/S3/S4; 1-2% pyrite
10568	169.00	170.00	1.00	graphitic S1/S2/S3; tr. pyrite
10569	170.00	171.00	1.00	graphitic S1/S2/S3; tr. pyrite
10570	171.00	172.00	1.00	graphitic S2/S3; tr. pyrite
10571	172.00	173.00	1.00	graphitic S1/S2; tr. pyrite
10572	173.00	174.00	1.00	graphitic S1/S2; tr. pyrite
10573	174.00	175.00	1.00	graphitic S1/S2/S3; tr. pyrite
10574	175.00	176.00	1.00	graphitic S1/S2/S3; tr. pyrite
10575	176.00	177.00	1.00	graphitic S1/S2/S3; tr. pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10576	177.00	178.00	1.00	graphitic S1/S2/S3; tr. pyrite
10577	178.00	179.00	1.00	graphitic S1/S2/S3; tr. pyrite
10578	179.00	180.00	1.00	graphitic S1/S2; tr. pyrite
10579	180.00	181.00	1.00	graphitic S1/S2/S3; tr. pyrite
10580	181.00	182.00	1.00	graphitic S1/S2/S3; tr. pyrite
10581	182.00	183.00	1.00	graphitic S1/S2/S3; tr. pyrite
10582	183.00	184.00	1.00	graphitic S1/S2/S3; pink calcite vein; tr. pyrite
10583	184.00	185.00	1.00	graphitic S2/S3; tr. pyrite
10584	185.00	186.00	1.00	graphitic S1/S2; tr. pyrite
10585	186.00	187.00	1.00	graphitic S1/S2/S3; tr. pyrite
10586	187.00	188.00	1.00	graphitic S1/S2/S3; Qtz-Carb. veins; tr. pyrite
10587	188.00	189.00	1.00	graphitic S1/S2; tr. pyrite
10588	189.00	190.00	1.00	graphitic S2/S3; tr. pyrite
10589	190.00	191.00	1.00	graphitic S1/S2/S3; tr. pyrite
10590	191.00	192.00	1.00	graphitic S1/S2/S3; tr. pyrite
10591	192.00	193.00	1.00	graphitic S1/S2; tr. pyrite-pyrrhotite
10592	193.00	194.00	1.00	graphitic S1/S2; tr. pyrite-pyrrhotite
10593	194.00	195.00	1.00	graphitic S1/S2; tr. pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10594	195.00	196.00	1.00	graphitic S/S2/S3/S3; tr. pyrite
10595	196.00	197.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10596	197.00	198.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10597	198.00	199.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10598	199.00	200.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10599	200.00	201.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10600	201.00	202.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10601	202.00	203.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10602	203.00	204.00	1.00	graphitic S1/S2/S3; tr. pyrite-pyrrhotite
10603	204.00	205.00	1.00	graphitic S2/S3/S4; tr. pyrite-pyrrhotite
10604	205.00	206.00	1.00	graphitic S2/S3/S4; tr. pyrite-pyrrhotite
10605	206.00	207.00	1.00	graphitic S2/S3; tr. pyrite-pyrrhotite
10606	207.00	208.00	1.00	graphitic bleached S3/S4
10607	208.00	209.00	1.00	graphitic bleached S3/S4; tr. pyrite
10608	209.00	210.00	1.00	graphitic S3/S4
10609	210.00	211.00	1.00	graphitic S3/S3; tr. pyrite
10610	211.00	212.00	1.00	graphitic S2/S3/S3; tr. pyrite
10611	212.00	213.00	1.00	graphitic S1/S2/S3; tr. pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10612	213.00	214.00	1.00	graphitic S2/S3; tr. pyrite-pyrrhotite
10613	214.00	215.00	1.00	graphitic S2/S3/S4; tr. pyrite-pyrrhotite
10614	215.00	216.00	1.00	graphitic S2/S3/S4; pink calcite vein; tr. pyrite-pyrrhotite
10615	216.00	217.00	1.00	graphitic S1/S2/S4; tr. pyrite-pyrrhotite
10616	217.00	218.00	1.00	graphitic S1/S2/S4; tr. pyrite-pyrrhotite
10617	218.00	219.00	1.00	graphitic S1/S4; tr. pyrite-pyrrhotite
10618	219.00	220.00	1.00	graphitic S1/S4; tr. pyrite-pyrrhotite
10619	220.00	221.00	1.00	graphitic S1/S3/S4; tr. pyrite-pyrrhotite
10620	221.00	222.00	1.00	graphitic S1/S3/S4; tr. pyrite-pyrrhotite
10621	222.00	223.00	1.00	graphitic bleached S1/silicified rhyo-dacite; tr. pyrite-pyrrhotite
10622	223.00	224.00	1.00	silicified rhyo-dacite
10623	224.00	225.00	1.00	silicified rhyo-dacite
10624	225.00	226.00	1.00	silicified rhyo-dacite
10625	226.00	227.00	1.00	silicified rhyo-dacite
10626	227.00	228.00	1.00	silicified rhyo-dacite
10627	228.00	229.00	1.00	silicified rhyo-dacite
10628	229.00	230.00	1.00	silicified rhyo-dacite
10629	230.00	231.00	1.00	silicified rhyo-dacite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10630	231.00	232.00	1.00	graphitic S1/S4; tr. pyrite-pyrrhotite
10631	232.00	233.00	1.00	graphitic S1/S4; tr. pyrite-pyrrhotite
10632	233.00	234.00	1.00	graphitic S1/S4; tr. pyrite-pyrrhotite
10633	234.00	235.00	1.00	graphitic S1/S2/S4; carb. vein; tr. pyrite
10634	235.00	236.00	1.00	graphitic S1/S2/S4; carb. vein; tr. pyrite
10635	236.00	237.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10636	237.00	238.00	1.00	graphitic S2/S3/S4
10637	238.00	239.00	1.00	graphitic S2/S3; Qtz vein
10638	239.00	240.00	1.00	graphitic S2/S3/S4; carb. vein; tr. pyrite-pyrrhotite
10639	240.00	241.00	1.00	graphitic S2/S3; tr. pyrite-pyrrhotite
10640	241.00	242.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10641	242.00	243.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10642	243.00	244.00	1.00	graphitic S1/S2/S3/S4; tr. pyrite
10643	244.00	245.00	1.00	graphitic S2/S3/S4; /silicified trachyte; tr. pyrite
10644	245.00	246.00	1.00	silicified rhyo-dacite
10645	246.00	247.00	1.00	silicified rhyo-dacite
10646	247.00	248.00	1.00	silicified rhyo-dacite; weak hematite alteration
10647	248.00	249.00	1.00	silicified rhyo-dacite; weak hematite; Qtz vein

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10648	249.00	250.00	1.00	silicified rhyo-dacite; Qtz vein
10649	250.00	251.00	1.00	silicified rhyo-dacite
10650	251.00	252.10	1.10	silicified rhyo-dacite

LES EXPLORATIONS NORAMCO INC.

H-1435-021

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DIAMOND DRILL LOG

COPIE FINALE

Property:	Vior North (P-1435)	NTS:	32 E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	426317-2	Coordinates:	69+00E , 11+15N MTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	264.3 meters
Logged By:	Benoit Ste-Marie/ Z. Madon	Casing:	Out	Elevation:	318 meters
Date Started:	Aug. 19 1987	Date Completed:	Aug. 25 1987	Date Logged:	Aug. 26 1987
Core Location:	St-Janvier	Samples Shipped:	Sept. 4 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	9.8 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-54.5 deg.
# 2.	121.92 m		-54 deg.
# 3.	182.88 m		-54 deg.
# 4.	243.84 m		-55 deg.

Purpose

Test strong mag low trend (500 gammas below general background) and adjacent weak MAXMIN conductor at point of deflection (intersection of faults F5 and F8).

Conclusions

Mag low zone explained by felsic lapilli tuff @ 90.70 to 180.70 containing locally up to 5% Py and 5% Po as stringers and fine grained disseminations; rest of hole predominantly gabbro.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	9.8	OVERBURDEN		
9.8	90.7	GABBRO	Pyrite (<1%; dissemin) Chalcopyrite (trace; associ)	Chlorite (pervasive) Leucoxene (pervasive (5%) Epidote (patchy)
59.3	69.6	MASSIVE INTERMEDIATE TO MAFIC FLOW	Pyrite (trace; vfg cu)	Chlorite (locally weak) Carbonate (moderate; per) Epidote (patchy) Sericite (locally weak) Bleached (between 60.3)
80.5	87.0	FELSIC CRYSTAL TUFF	Pyrite (trace; cluste) Pyrrhotite (trace)	Chlorite (weak) Silica (moderate; per) Sericite (weak-moderate) Carbonate (weak; spotty)
90.7	180.7	FELSIC LAPILLI TUFF	Pyrite (1-2%; fg clus) Pyrrhotite (trace; as str)	Sericite (pervasive; we) Chlorite (patchy; weak) Carbonate (weak; spotty) Silica (moderate; per)
95.1	101.2	AMYGDALOIDAL MAFIC FLOW	Pyrite (trace fg diss)	Chlorite (moderate; per) Carbonate (moderate-stro)
119.5	124.3	GABBRO	Pyrite (trace)	Chlorite (moderate-stro) Carbonate (moderate; per) Leucoxene (weak-moderate)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
180.7	264.3	GABBRO	Pyrite (trace; dissem) Pyrrhotite (trace) Chalcopyrite (trace at 208.)	Chlorite (pervasive) Epidote (locally moder) Carbonate (locally weak)
	264.3	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	9.8	OVERBURDEN												
9.8	90.7	**GABBRO**												
		Mottled Dark-Green to Light-Green	10652	9.80	10.80	1.00	nil							
		Mafic Minerals: 60%; vfg-mg; chloritised												
		Plagioclase: 35%; fg-mg; subhedral-euhedral laths	10653	14.20	15.20	1.00	nil							
		Quartz: 5%; fg; xenomorphic												
		Medium to Coarse Grained	10654	15.80	16.80	1.00	nil							
		Massive												
		Lower Contact at 65 Deg. Cax.	10655	17.70	18.70	1.00	nil							
		<1% Quartz-Carbonate Veining variable -- Avg. Width 0.5cm	10656	18.70	19.70	1.00	nil							
		Pyrite: <1%; disseminated to locally clustered	10657	19.70	20.30	0.60	nil							
		Chalcopyrite: trace; associated with pink quartz-calcite vein	10785	21.60	22.60	1.00	nil							
		Chlorite Alteration: pervasive												
		Leucoxene Alteration: pervasive (5%)												
		Epidote Alteration: patchy												
		Non Magnetic	10658	22.60	23.60	1.00	nil							
		Non Conductive												
			10659	25.50	26.50	1.00	nil							
		9.8 - 15.0 : approx. 1% disseminated pyrite												
		37.2 : fault gouge; 30-35 deg. cax.	10660	28.75	29.40	0.65	nil							
		38.0 - 42.5 : very coarse grained gabbro.	10661	29.40	30.10	0.70	nil							
		42.5 - 59.2 : fine grained gabbro.												
		63.0 - 83.8 : very coarse grained gabbro.	10662	30.60	31.60	1.00	0.030							
		87.0 - 90.7 : fine grained margins; coarser at core; trace pyrite; trace blue quartz eyes.	10663	31.60	32.00	0.40	nil							
			10664	33.50	34.50	1.00	nil							
			10665	36.10	37.10	1.00	nil							
			10666	37.10	37.70	0.60	nil							
			10667	37.70	39.10	1.40	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10668	39.10	40.20	1.10	nil							
			10669	40.20	41.20	1.00	nil							
			10671	44.70	45.70	1.00	nil							
			10670	46.20	47.20	1.00	nil							
			10672	51.00	52.00	1.00	nil							
			10673	53.00	54.00	1.00	nil							
			10674	54.00	55.00	1.00	nil							
			10675	55.40	56.40	1.00	nil							
		Sub Units												
59.3	69.6	**MASSIVE INTERMEDIATE TO MAFIC FLOW**												
		Light Grey to Green												
		Mafic Minerals: 70%; vfg-fg; chloritised	10676	60.65	61.65	1.00	nil							
		Plagioclase: 20%; vfg-fg subhedral laths	10677	61.65	62.70	1.05	0.040							
		Quartz Eyes: 10%; fg-mg pale blue crystals	10678	62.70	63.70	1.00	nil							
		Fine Grained	10679	63.70	64.70	1.00	nil							
		Massive	10680	64.70	65.70	1.00	nil							
		Upper Contact at 70-75 Deg. Cax.												
		<1% Quartz-Carbonate Veining variable -- Avg. Width 0.5 to	10681	65.90	66.90	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		1.0cm	10682	66.90	67.90	1.00	nil							
		Pyrite: trace; vfg cubes; locally clustered	10683	67.90	68.40	0.50	nil							
		Chlorite Alteration: locally weak												
		Carbonate Alteration: moderate; pervasive; weak within bleached zone	10684	69.60	70.60	1.00	nil							
		Epidote Alteration: patchy	10685	72.20	73.20	1.00	nil							
		Sericite Alteration: locally weak	10686	73.20	74.20	1.00	nil							
		Bleached Alteration: between 60.3 & 65.8; fewer blue quartz eyes	10687	74.60	75.60	1.00	nil							
		Non Magnetic												
		Non Conductive	10688	76.50	77.50	1.00	nil							
		65.8 - 68.5 : sheared zone (chloritised and calcareous); 60-80 deg. cax.	10689	78.30	79.40	1.10	nil							
			10690	79.40	80.40	1.00	nil							
		80.5 87.0 FELSIC CRYSTAL TUFF												
		Light Grey to Light-Green												
		Matrix: 60%; fg-aphanitic; weakly to moderately chloritised; siliceous	10691	81.60	82.60	1.00	nil							
			10692	82.60	83.60	1.00	nil							
		Plagioclase: 25%; fg												
		Quartz Eyes: 15%; includes 2-3% blue quartz eyes; fg-mg	10693	86.50	87.00	0.50	nil							
		Fine to Medium Grained												
		Upper Contact at 75-80 Deg. Cax.	10694	88.10	89.10	1.00	nil							
		Lower Contact at 60 Deg. Cax.												
		<1% Quartz-Carbonate Veining at 25 Deg. Cax. -- Avg. Width 1.0cm	10695	90.00	91.00	1.00	nil							
		Pyrite: trace; clustered												
		Pyrrhotite: trace												
		Chlorite Alteration: weak												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Silica Alteration: moderate; pervasive Sericite Alteration: weak-moderate in matrix Carbonate Alteration: weak; spotty Non Magnetic Non Conductive 88.9 : 1-2 cm. blue-grey quartz vein with trace chalcopyrite; parallel to cax; cuts narrow epidotes vein.												
90.7	180.7	**FELSIC LAPILLI TUFF**												
		Mottled Grey to Light-Green Lapilli: 40-60%; blue-grey to light brown stretched rhyolitic fragments Bombs: 10-15%; similar to lapilli fragments Matrix: 25-40%; weakly sericitic with fg-mg quartz and plagioclase crystals Fine to Medium Grained Schistosity at 90 Deg. Cax. Lower Contact at 65 Deg. Cax. <1% Quartz-Carbonate Veining at 80-85 Deg. Cax. -- Avg. Width 0.7cm Pyrite: 1-2%; fg clusters and locally as narrow stringers Pyrrhotite: trace; as stringers and fg disseminations Sericite Alteration: pervasive; weak-moderate Chlorite Alteration: patchy; weak Carbonate Alteration: weak; spotty Silica Alteration: moderate; pervasive Weakly Magnetic : patchy due to the presence of Po Weakly Conductive : between 118.5-119.5; related to py-po stringers 90.7 - 119.5 : 7-10% pale blue to clear mg quartz crystals.	10696 10697 10698 10699	91.00 92.00 93.00 94.00	92.00 93.00 94.00 95.00	1.00 1.00 1.00 1.00	nil nil nil nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		166.1 - 168.9 : as above; quartz crystals are predominantly mg-cg.												
		119.5 - 180.7 : tr-1% fg quartz crystals; 1-2% fg-mg plagioclase crystals.												
		118.5 - 119.5 : 4% py and 6% po as narrow massive intervals (to 2 cm.) and as stringers and filaments parallel to schistosity.												
		----------Sub Units----------												
		95.1 101.2 AMYGDALOIDAL MAFIC FLOW												
		Dark Green												
		Fine Grained	10700	99.10	100.10	1.00	nil							
		Massive												
		Pyrite: trace fg disseminations	10701	104.00	105.00	1.00	nil							
		Chlorite Alteration: moderate; pervasive	10702	105.00	106.00	1.00	nil							
		Carbonate Alteration: moderate-strong; pervasive	10703	106.00	107.00	1.00	nil							
		Non Magnetic	10704	107.00	108.00	1.00	nil							
		Non Conductive	10705	108.00	109.00	1.00	nil							
			10706	109.00	110.00	1.00	nil							
			10707	110.00	111.00	1.00	nil							
			10708	111.00	112.00	1.00	nil							
			10709	112.00	113.00	1.00	nil							
			10710	113.00	114.00	1.00	nil							
			10711	114.00	115.00	1.00	nil							
			10712	115.00	116.00	1.00	nil							
			10713	116.00	117.00	1.00	nil							
			10714	117.00	118.00	1.00	nil							
			10715	118.00	118.75	0.75	nil							
			10716	118.75	119.50	0.75	nil							
		119.5 124.3 GABBRO												
		Mottled Dark-Green	10717	119.50	120.00	0.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Fine to Medium Grained	10718	120.00	121.00	1.00	nil							
		Massive	10719	121.00	122.00	1.00	nil							
		Pyrite: trace	10720	122.00	122.80	0.80	nil							
		Chlorite Alteration: moderate-strong; pervasive	10721	122.80	123.80	1.00	nil							
		Carbonate Alteration: moderate; pervasive												
		Leucoxene Alteration: weak-moderate; spotty	10722	124.30	125.30	1.00	nil							
		Non Magnetic	10723	125.30	126.30	1.00	nil							
		Non Conductive	10724	126.30	127.30	1.00	nil							
			10725	127.30	128.30	1.00	nil							
		122.0 -122.8 : barren quartz vein	10726	128.30	129.30	1.00	nil							
			10727	129.30	130.30	1.00	nil							
			10728	130.30	131.00	0.70	nil							
			10729	131.00	132.30	1.30	nil							
			10730	132.30	133.30	1.00	nil							
			10731	133.30	134.30	1.00	nil							
			10732	134.30	135.30	1.00	nil							
			10733	135.30	136.30	1.00	nil							
			10734	136.30	137.30	1.00	nil							
			10735	137.30	138.30	1.00	nil							
			10736	138.30	139.30	1.00	nil							
			10737	139.30	140.30	1.00	nil							
			10738	140.30	141.30	1.00	nil							
			10739	141.30	142.30	1.00	nil							
			10740	142.30	143.30	1.00	nil							
			10741	143.30	144.30	1.00	nil							
			10742	144.30	145.30	1.00	nil							
			10743	145.30	146.30	1.00	nil							
			10744	146.30	147.30	1.00	nil							
			10745	147.30	148.30	1.00	nil							
			10746	148.30	149.30	1.00	nil							
			10747	149.30	150.30	1.00	nil							
			10748	150.30	151.30	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10749	151.30	152.30	1.00	nil							
			10750	152.30	153.30	1.00	nil							
			10751	153.30	154.30	1.00	nil							
			10752	154.30	155.30	1.00	nil							
			10753	155.30	156.30	1.00	nil							
			10754	156.30	157.30	1.00	nil							
			10755	157.30	158.30	1.00	nil							
			10756	158.30	159.30	1.00	nil							
			10757	159.30	160.30	1.00	nil							
			10758	160.30	161.30	1.00	nil							
			10759	161.30	162.30	1.00	nil							
			10760	162.30	163.30	1.00	nil							
			10761	163.30	164.30	1.00	nil							
			10762	164.30	165.30	1.00	nil							
			10763	165.30	166.30	1.00	nil							
			10764	166.30	167.30	1.00	nil							
			10765	167.30	168.00	0.70	nil							
			10766	168.00	169.00	1.00	nil							
			10767	169.00	170.00	1.00	nil							
			10768	170.00	171.00	1.00	nil							
			10769	171.00	172.00	1.00	nil							
			10770	172.00	173.00	1.00	nil							
			10771	173.00	174.00	1.00	nil							
			10772	174.00	175.00	1.00	nil							
			10773	175.00	176.00	1.00	nil							
			10774	176.00	177.00	1.00	nil							
			10775	177.00	178.00	1.00	nil							
			10776	178.00	179.00	1.00	nil							
			10777	179.00	180.00	1.00	nil							
			10778	180.00	180.70	0.70	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
180.7	264.3	**GABBRO**												
		Same as 9.8-90.7												
		Mottled Light-Grey to Light-Green	10779	186.20	186.70	0.50	nil							
		Mafic Minerals: 45%; fg-mg; chloritised												
		Plagioclase: 40%; fg-mg	10780	204.30	204.80	0.50	nil							
		Quartz Eyes: locally 10-15%; fg-mg												
		Massive	10781	206.90	207.40	0.50	nil							
		<1% Quartz-Carbonate Veining variable -- Avg. Width 1.0cm												
		Pyrite: trace; disseminated and locally clustered	10782	208.65	209.00	0.35	nil							
		Pyrrhotite: trace												
		Chalcopyrite: trace at 208.80	10783	209.20	210.10	0.90	nil							
		Chlorite Alteration: pervasive												
		Epidote Alteration: locally moderate	10784	224.90	225.70	0.80	nil							
		Carbonate Alteration: locally weak to moderate												
		Non Magnetic												
		Non Conductive												
		Locally well developed ophitic texture.												
		Narrow fg gabbroic phases in sharp contact with more cg ophitic gabbro.												
		Narrow quartz veins are frequently altered along their margins to epidotes.												
		188.2 - 192.3 : 2-4% blue quartz eyes.												
		SAMPLE INTERVALS												
		Fire Assay Samples : 10652 to 10785												
		Lithogeochem Samples: 21-01 to 21-29												
264.3		**END OF HOLE.**												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
21-01	9.80	19.80	10.00	13																										
21-02	19.80	29.80	10.00	nil																										
21-03	29.80	39.80	10.00	nil																										
21-04	39.80	49.80	10.00	nil																										
21-05	49.80	59.30	9.50	nil																										
21-06	59.30	69.60	10.30	nil																										
21-07	69.60	80.50	10.90	nil																										
21-08	80.50	87.00	6.50	nil																										
21-09	87.00	90.70	3.70	nil																										
21-10	90.70	95.10	4.40	nil																										
21-11	95.10	101.20	6.10	nil																										
21-12	101.20	111.20	10.00	nil																										
21-13	111.20	119.50	8.30	3																										
21-14	119.50	124.30	4.80	nil																										
21-15	124.30	134.30	10.00	nil																										
21-16	134.30	144.30	10.00	nil																										
21-17	144.30	154.30	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
21-18	154.30	164.30	10.00	1																										
21-19	164.30	174.30	10.00	nil																										
21-20	174.30	180.70	6.40	nil																										
21-21	180.70	190.70	10.00	nil																										
21-22	190.70	200.70	10.00	nil																										
21-23	200.70	210.70	10.00	nil																										
21-24	210.70	220.70	10.00	nil																										
21-25	220.70	230.70	10.00	nil																										
21-26	230.70	240.70	10.00	nil																										
21-27	240.70	250.70	10.00	nil																										
21-28	250.70	260.70	10.00	nil																										
21-29	260.70	264.30	3.60	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10652	9.80	10.80	1.00	tr py
10653	14.20	15.20	1.00	tr py; <5% qc veins
10654	15.80	16.80	1.00	tr py; <5% qc veins
10655	17.70	18.70	1.00	<5% qc veins; tr diss py
10656	18.70	19.70	1.00	tr py; hem
10657	19.70	20.30	0.60	<5% qc veins; weakly hem
10658	22.60	23.60	1.00	qc vein
10659	25.50	26.50	1.00	trace py; <5% qc veins
10660	28.75	29.40	0.65	<5% qc veins
10661	29.40	30.10	0.70	<5% qtz & pink calcite veins
10662	30.60	31.60	1.00	trace py
10663	31.60	32.00	0.40	<5% qc veins
10664	33.50	34.50	1.00	minor qtz & pink calcite veins
10665	36.10	37.10	1.00	qtz vein near fault gouge
10666	37.10	37.70	0.60	fault gouge
10667	37.70	39.10	1.40	<5% qc veins; epidotes chlorite-sericite alteration
10668	39.10	40.20	1.10	<5% qc veins
10669	40.20	41.20	1.00	<5% qc veins ; trace py

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10671	44.70	45.70	1.00	<5% qc veins; trace py
10670	46.20	47.20	1.00	<5% qc veins; trace py
10672	51.00	52.00	1.00	<5% qtz & pink calcite veins
10673	53.00	54.00	1.00	<5% qc veins ; chlorite alteration
10674	54.00	55.00	1.00	<5% qc veins ; epidotes alteration
10675	55.40	56.40	1.00	<5% qc veins; epidotes & hem alteration
10676	60.65	61.65	1.00	<5% qc veins
10677	61.65	62.70	1.05	bleached
10678	62.70	63.70	1.00	bleached
10679	63.70	64.70	1.00	bleached
10680	64.70	65.70	1.00	bleached
10681	65.90	66.90	1.00	bleached & sheared
10682	66.90	67.90	1.00	sheared
10683	67.90	68.40	0.50	sheared
10684	69.60	70.60	1.00	<5% qtz veins
10685	72.20	73.20	1.00	<5% qc veins
10686	73.20	74.20	1.00	<5% qc veins; epidotes alteration
10687	74.60	75.60	1.00	<5% qc veins

Sample No.	From (m)	To (m)	Width (m)	Remarks
10688	76.50	77.50	1.00	<5% qc veins
10689	78.30	79.40	1.10	<5% qc veins; trace py
10690	79.40	80.40	1.00	<5% qc veins
10691	81.60	82.60	1.00	<5% qc veins
10693	86.50	87.00	0.50	sheared
10694	88.10	89.10	1.00	<5% qc veins; chlorite & epidotes alteration
10695	90.00	91.00	1.00	epidotes alteration
10696	91.00	92.00	1.00	blue qtz eyes; trace py
10698	93.00	94.00	1.00	tr py
10699	94.00	95.00	1.00	1% py; 1% po
10700	99.10	100.10	1.00	chlorite & sericite alteration; minor qtz veins; <1% py
10701	104.00	105.00	1.00	<5% qtz veins
10702	105.00	106.00	1.00	<5% qtz veins; sericite alteration
10703	106.00	107.00	1.00	tr py
10707	110.00	111.00	1.00	tr py
10708	111.00	112.00	1.00	tr py
10709	112.00	113.00	1.00	tr py
10712	115.00	116.00	1.00	trace-1% py

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10713	116.00	117.00	1.00	1-2% py & po
10714	117.00	118.00	1.00	1-2% py & po
10715	118.00	118.75	0.75	5% py & 1% po
10716	118.75	119.50	0.75	5% po & 1%py
10717	119.50	120.00	0.50	chlorite & epidotes alteration; trace-1% py & po
10718	120.00	121.00	1.00	10cm qtz vein with trace-1% py
10719	121.00	122.00	1.00	chlorite alteration; tr py
10720	122.00	122.80	0.80	70 cm qtz vein; tr py
10721	122.80	123.80	1.00	chlorite alteration; trace-1% py
10722	124.30	125.30	1.00	tr py
10723	125.30	126.30	1.00	tr py
10724	126.30	127.30	1.00	tr py
10725	127.30	128.30	1.00	tr py
10726	128.30	129.30	1.00	tr py
10727	129.30	130.30	1.00	tr py
10728	130.30	131.00	0.70	tr py
10729	131.00	132.30	1.30	tr py
10730	132.30	133.30	1.00	tr py

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10731	133.30	134.30	1.00	tr py
10732	134.30	135.30	1.00	tr py
10733	135.30	136.30	1.00	tr py
10734	136.30	137.30	1.00	tr py
10735	137.30	138.30	1.00	tr py
10736	138.30	139.30	1.00	tr-1% py; tr cp
10737	139.30	140.30	1.00	tr py
10738	140.30	141.30	1.00	tr py
10739	141.30	142.30	1.00	tr py
10740	142.30	143.30	1.00	tr-1% py
10741	143.30	144.30	1.00	tr py
10742	144.30	145.30	1.00	tr-1% py
10743	145.30	146.30	1.00	tr py
10744	146.30	147.30	1.00	tr py
10745	147.30	148.30	1.00	tr py
10746	148.30	149.30	1.00	tr py
10747	149.30	150.30	1.00	tr py
10748	150.30	151.30	1.00	tr py

Sample No.	From (m)	To (m)	Width (m)	Remarks
10749	151.30	152.30	1.00	tr-1% py
10750	152.30	153.30	1.00	tr-1% py
10751	153.30	154.30	1.00	1% py
10752	154.30	155.30	1.00	tr py
10753	155.30	156.30	1.00	tr-1% py; tr cp
10754	156.30	157.30	1.00	tr py
10755	157.30	158.30	1.00	tr-1% py
10756	158.30	159.30	1.00	tr py
10757	159.30	160.30	1.00	tr-1% py
10758	160.30	161.30	1.00	tr py
10759	161.30	162.30	1.00	1% py
10760	162.30	163.30	1.00	tr py
10761	163.30	164.30	1.00	tr-1% py
10762	164.30	165.30	1.00	tr-1% py
10763	165.30	166.30	1.00	tr py
10764	166.30	167.30	1.00	tr py
10765	167.30	168.00	0.70	tr py
10766	168.00	169.00	1.00	tr-1% py

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10767	169.00	170.00	1.00	tr-1% py
10768	170.00	171.00	1.00	tr-1% py-po cp
10770	172.00	173.00	1.00	tr py
10771	173.00	174.00	1.00	tr py
10772	174.00	175.00	1.00	tr-1% py
10773	175.00	176.00	1.00	1% py; tr po
10774	176.00	177.00	1.00	tr py
10775	177.00	178.00	1.00	1% py
10776	178.00	179.00	1.00	1% py
10777	179.00	180.00	1.00	1% py
10778	180.00	180.70	0.70	tr py
10779	186.20	186.70	0.50	2cm qc vein
10780	204.30	204.80	0.50	4 cm qc vein; epidotes alteration
10781	206.90	207.40	0.50	4 cm qtz vein; epidotes & sericite alteration
10782	208.65	209.00	0.35	1 cm qtz vein; trace cp
10783	209.20	210.10	0.90	30% qtz veins; epidotes & sericite alteration
10784	224.90	225.70	0.80	4 cm qc vein; epidotes alteration

LES EXPLORATIONS NORAMCO INC.

H-1435-022

11-11-1987::02:01

DIAMOND DRILL LOG

FINAL COPY

Property:	Vior North (P-1435)	**NTS:**	32E/2	Township:	Vanier
Partner:	Copperstack Resources	**Claim #:**	426311-1	Coordinates:	L43+50E , 16+37S (TL16+00S) MTM
Azimuth:	30 degrees	Dip:	-50 degrees	Length:	294.8 meters
Logged By:	R. Simard	Casing:	In: 67mBW/36.6mNW	Elevation:	321 meters
Date Started:	Aug. 24 1987	Date Completed:	Aug. 30 1987	Date Logged:	Sept. 22 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Sept. 27 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	67.58 meters				

Tropari/Dip Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-51.5 deg.
# 2.	121.92 m		-46 deg.
# 3.	182.88 m		-43 deg.
# 4.	243.84 m		-39 deg.

Purpose

Test main felsic volcanic unit & junction of NNW + NNE lineaments (IP + Mag defined).
Stratigraphy above (?) 1435-014.

Conclusions

Upper zone consists of felsic to intermediate crystal tuff and minor lapilli; lower zone consists of schistose felsic phenocrysts crystal tuff with sericitized or chloritized zone.
The contacts of this two zones might coincide with the NNW and/or NNE lineaments.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	67.6	OVERBURDEN		
67.6	116.2	FELSIC TO INTERMEDIATE CRYSTAL TO LAPILLI TUFF	Pyrite (tr-1% very fin)	Carbonate (moderate perva) Chlorite (weak pervasive) Sericite (patchy weak)
116.2	167.5	FELSIC TO INTERMEDIATE CRYSTAL TUFF	Pyrite (trace-1%; very)	Carbonate (moderate calci) Chlorite (weak)
167.5	294.8	FELSIC PHENOCRYSTS CRYSTAL TUFF	Pyrite (trace)	Chlorite (weak to strong) Sericite (weak to strong) Sericite (patchy; occasi)
	294.8	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	67.6	OVERBURDEN												
67.6	116.2	FELSIC TO INTERMEDIATE CRYSTAL TO LAPILLI TUFF												
		Light Grey to White	11151	67.60	68.50	0.90	nil							
		Lapilli: 20% porphyritic	11152	68.50	69.50	1.00	nil							
		Matrix: 80% crystal tuff	11153	69.50	70.50	1.00	nil							
		Quartz Eyes: 2%; 0.5-1mm	11154	70.50	71.50	1.00	nil							
		Porphyritic with Phaneritic Matrix	11155	71.50	72.50	1.00	nil							
		Schistosity at 80 Deg. Cax.	11191	72.50	73.50	1.00	nil							
		Pyrite: tr-1% very fine grained to 1mm cubes	11156	73.50	74.50	1.00	nil							
		Carbonate Alteration: moderate pervasive; calcitic	11157	74.50	75.50	1.00	nil							
		Chlorite Alteration: weak pervasive	11158	75.50	76.50	1.00	nil							
		Sericite Alteration: patchy weak	11159	76.50	77.50	1.00	nil							
		Non Magnetic	11160	77.50	78.50	1.00	nil							
			11161	78.50	79.50	1.00	nil							
		- 2 to 5cm rhyolitic fragments with 10% plagioclase grains	11162	79.50	80.50	1.00	nil							
		of 2-3mm and 1-5% quartz eyes of 0.5-1mm.	11163	80.50	81.50	1.00	nil							
		- Locally elongated chloritized grains of 2-3mm and	11164	81.50	82.50	1.00	nil							
		elongated chert fragments of 5mm length.	11165	82.50	83.50	1.00	nil							
		-1-2% quartz eyes of 0.5-1mm and chloritized crystal grains	11166	83.50	84.50	1.00	nil							
		with matrix.	11167	84.50	85.50	1.00	nil							
			11168	85.50	86.60	1.10	nil							
			11169	86.60	87.20	0.60	nil							
			11170	87.20	88.50	1.30	nil							
			11171	88.50	89.50	1.00	nil							
			11172	89.50	90.50	1.00	nil							
			11173	90.50	91.50	1.00	nil							
			11174	91.50	92.50	1.00	nil							
			11175	92.50	93.50	1.00	nil							
			11176	93.50	94.50	1.00	nil							
			11177	94.50	95.50	1.00	nil							
			11178	95.50	96.50	1.00	nil							
			11179	96.50	97.50	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11180	97.50	98.50	1.00	nil							
			11181	98.50	99.50	1.00	nil							
			11182	99.50	100.50	1.00	nil							
			11183	100.50	101.50	1.00	nil							
			11184	101.50	102.50	1.00	nil							
			11185	102.50	103.50	1.00	nil							
			11186	103.50	104.50	1.00	nil							
			11187	104.50	105.50	1.00	nil							
			11188	105.50	106.50	1.00	nil							
			11189	106.50	107.50	1.00	nil							
			11190	107.50	108.50	1.00	nil							
			11192	108.50	109.50	1.00	nil							
			11193	109.50	110.50	1.00	nil							
			11194	110.50	111.50	1.00	nil							
			11195	111.50	112.50	1.00	nil							
			11196	112.50	113.50	1.00	nil							
			11197	113.50	114.50	1.00	nil							
			11198	114.50	115.50	1.00	nil							
			11199	115.50	116.50	1.00	nil							
		Sub Units												
116.2	167.5	**FELSIC TO INTERMEDIATE CRYSTAL TUFF**												
		Light Grey	11200	116.50	117.50	1.00	nil							
		Quartz Eyes: 1-5%	11201	117.50	118.50	1.00	nil							
		Porphyritic with Phaneritic Matrix	11202	118.50	119.50	1.00	nil							
		Schistosity at 80 Deg. Cax.	11203	119.50	120.50	1.00	nil							
		Pyrite: trace-1%; very fine grained to 1mm cubes	11204	120.50	121.50	1.00	nil							
		Carbonate Alteration: moderate calcitic	11205	121.50	122.50	1.00	nil							
		Chlorite Alteration: weak	11206	122.50	123.50	1.00	nil							
		Non Magnetic	11207	123.50	124.50	1.00	nil							
			11208	124.50	125.50	1.00	nil							

1/10m : lame mince : And-Dac PF

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		-Locally quartz-carbonate veinlets with tourmaline grains.	11209	125.50	126.50	1.00	nil							
			11210	126.50	127.50	1.00	nil							
			11211	127.50	128.50	1.00	nil							
			11212	128.50	129.50	1.00	nil							
			11213	129.50	130.50	1.00	nil							
			11214	130.50	131.50	1.00	nil							
			11215	131.50	132.50	1.00	nil							
			11216	132.50	133.50	1.00	nil							
			11217	133.50	134.50	1.00	nil							
			11218	134.50	135.50	1.00	nil							
			11219	135.50	136.50	1.00	nil							
			11220	136.50	137.50	1.00	nil							
			11221	137.50	138.50	1.00	nil							
			11222	138.50	139.50	1.00	nil							
			11223	139.50	140.50	1.00	nil							
			11224	140.50	141.50	1.00	nil							
			11225	141.50	142.50	1.00	nil							
			11226	142.50	143.50	1.00	nil							
			11227	143.50	144.50	1.00	nil							
			11228	144.50	145.50	1.00	nil							
			11229	145.50	146.50	1.00	nil							
			11230	146.50	147.50	1.00	nil							
			11231	147.50	148.50	1.00	nil							
			11232	148.50	149.50	1.00	nil							
			11233	149.50	150.50	1.00	nil							
			11234	150.50	151.50	1.00	nil							
			11235	151.50	152.50	1.00	nil							
			11236	152.50	153.50	1.00	nil							
			11237	153.50	154.50	1.00	nil							
			11238	154.50	155.50	1.00	nil							
			11239	155.50	156.50	1.00	nil							
			11240	156.50	157.50	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11241	157.50	158.50	1.00	nil							
			11242	158.50	159.50	1.00	nil							
			11243	159.50	160.50	1.00	nil							
			11244	160.50	161.50	1.00	nil							
			11245	161.50	162.50	1.00	nil							
			11246	162.50	163.50	1.00	nil							
			11247	163.50	164.50	1.00	nil							
			11248	164.50	165.50	1.00	nil							
			11249	165.50	166.50	1.00	nil							
			11250	166.50	167.50	1.00	nil							
167.5	**294.8**	**FELSIC PHENOCRYSTS CRYSTAL TUFF** Géochimie = Rd. Dac												
		Light Green to Grey	11251	167.50	168.50	1.00	nil							
		Plagioclase: 10% elongated grains of 3mm	11252	168.50	169.50	1.00	nil							
		Mafic Minerals: 5% elongated chloritised grains of 3mm	11253	169.50	170.50	1.00	nil							
		Quartz Eyes: 1-5%; 1-3mm	11254	170.50	171.10	0.60	nil							
		Porphyritic with Aphanitic Matrix	11255	171.10	172.40	1.30	nil							
		Schistosity at 75 Deg. Cax.	11256	172.40	173.40	1.00	nil							
		<1% Quartz-Carbonate Veining -- Avg. Width 5mm	11257	173.40	174.40	1.00	nil							
		Pyrite: trace	11258	174.40	175.50	1.10	nil							
		Chlorite Alteration: weak to strongly	11259	175.50	176.50	1.00	nil							
		Sericite Alteration: weak to strongly	11260	176.50	177.50	1.00	nil							
		Sericite Alteration: patchy; occasionally weakly pink	11261	177.50	178.50	1.00	nil							
		Non Magnetic	11262	178.50	179.50	1.00	nil							
			11263	179.50	180.50	1.00	nil							
		-Irregular succession of matrix zones: 70% of feldspar	11264	180.50	181.50	1.00	nil							
		porphyry crystal tuff with chloritized	11265	181.50	182.50	1.00	nil							
		schistose matrix and 30% of chloritised porphyry grains	11266	182.50	183.00	0.50	nil							
		with sericitized schistose matrix.	11267	183.00	184.00	1.00	nil							
		-Locally some light-grey elongated rhyolitic fragments of	11268	184.00	185.00	1.00	nil							
		5cm width.	11269	185.00	186.00	1.00	nil							

212.5 : Lame Mince = And-Dac
214.8 : " " = Dac P.F.
217 : Dac. P.F.

220: Lame mince = Dac P.F.

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		-Some micro folded quartz veinlets	11270	186.00	187.00	1.00	nil							
		212.76-213.1: Mafic dyke; finr grained; sharp contact at	11271	187.00	188.00	1.00	nil							
		75 cax some plagioclase phenocrysts of 5mm.	11272	188.00	189.00	1.00	nil							
		254.26-254.91: same as above	11273	189.00	190.00	1.00	nil							
		285.81-286.08: same as above.	11274	190.00	191.00	1.00	nil							
			11275	191.00	192.00	1.00	nil							
			11276	192.00	192.60	0.60	nil							
			11277	192.60	193.20	0.60	nil							
		Sub Units												
0.0		SAMPLE INTERVALS												
			11278	193.20	194.20	1.00	nil							
		Fire Assay Samples : 11161 to 11281	11279	194.20	195.20	1.00	nil							
		Lithogeochem Samples : 22-01 to 22-23	11280	195.20	196.20	1.00	nil							
			11281	196.20	197.20	1.00	nil							
			11282	197.20	198.20	1.00	nil							
			11283	198.20	199.20	1.00	nil							
			11284	199.20	200.20	1.00	nil							
			11285	200.20	201.20	1.00	nil							
			11286	201.20	202.20	1.00	nil							
			11287	202.20	203.20	1.00	nil							
			11288	203.20	204.20	1.00	nil							
			11289	204.20	205.20	1.00	nil							
			11290	205.20	206.20	1.00	nil							
			11291	206.20	207.20	1.00	nil							
			11292	207.20	208.20	1.00	nil							
			11293	208.20	209.20	1.00	nil							
			11294	209.20	210.20	1.00	nil							
			11295	210.20	211.20	1.00	nil							
			11296	211.20	212.20	1.00	nil							
			11297	212.20	213.20	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11298	213.20	214.20	1.00	nil							
			11299	214.20	215.00	0.80	nil							
			11300	215.00	216.00	1.00	nil							
			11301	216.00	217.00	1.00	nil							
			11302	217.00	218.00	1.00	nil							
			11303	218.00	219.00	1.00	nil							
			11304	219.00	220.00	1.00	nil							
			11305	220.00	221.00	1.00	nil							
			11306	221.00	222.00	1.00	nil							
			11307	222.00	223.00	1.00	nil							
			11308	223.00	224.00	1.00	nil							
			11309	224.00	225.00	1.00	nil							
			11310	225.00	226.00	1.00	nil							
			11311	226.00	227.00	1.00	nil							
			11312	227.00	228.00	1.00	nil							
			11313	228.00	229.00	1.00	nil							
			11314	229.00	230.00	1.00	nil							
			11315	230.00	231.00	1.00	nil							
			11316	231.00	232.00	1.00	nil							
			11317	232.00	233.00	1.00	nil							
			11318	233.00	234.00	1.00	nil							
			11319	234.00	235.00	1.00	nil							
			11320	235.00	236.00	1.00	nil							
			11321	236.00	237.00	1.00	nil							
			11322	237.00	238.00	1.00	nil							
			11323	238.00	239.00	1.00	nil							
			11324	239.00	240.10	1.10	nil							
			11325	240.10	241.00	0.90	nil							
			11326	241.00	242.00	1.00	nil							
			11327	242.00	243.00	1.00	nil							
			11328	243.00	244.00	1.00	nil							
			11329	244.00	245.00	1.00	nil							
			11330	245.00	246.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11331	246.00	247.00	1.00	nil							
			11332	247.00	247.60	0.60	nil							
			11333	247.60	248.10	0.50	nil							
			11334	248.10	249.00	0.90	nil							
			11335	249.00	250.00	1.00	nil							
			11336	250.00	251.00	1.00	nil							
			11337	251.00	252.00	1.00	nil							
			11338	252.00	253.00	1.00	nil							
			11339	253.00	254.00	1.00	nil							
			11340	254.00	255.00	1.00	nil							
			11341	255.00	256.00	1.00	nil							
			11342	256.00	257.00	1.00	nil							
			11343	257.00	258.00	1.00	nil							
			11344	258.00	259.00	1.00	nil							
			11345	259.00	260.00	1.00	nil							
			11346	260.00	261.00	1.00	nil							
			11347	261.00	262.00	1.00	nil							
			11348	262.00	263.00	1.00	nil							
			11349	263.00	264.00	1.00	nil							
			11350	264.00	265.00	1.00	nil							
			11351	265.00	266.00	1.00	nil							
			11352	266.00	266.50	0.50	nil							
			11353	266.50	267.50	1.00	nil							
			11354	267.50	268.50	1.00	nil							
			11355	268.50	269.50	1.00	nil							
			11356	269.50	270.50	1.00	nil							
			11357	270.50	271.50	1.00	nil							
			11358	271.50	272.50	1.00	nil							
			11359	272.50	273.00	0.50	nil							
			11360	273.00	274.00	1.00	nil							
			11361	274.00	275.00	1.00	nil							
			11362	275.00	276.00	1.00	nil							
			11363	276.00	277.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11364	277.00	278.00	1.00	nil							
			11365	278.00	279.00	1.00	nil							
			11366	279.00	280.00	1.00	nil							
			11367	280.00	281.00	1.00	nil							
			11368	281.00	282.00	1.00	nil							
			11369	282.00	283.00	1.00	nil							
			11370	283.00	284.00	1.00	nil							
			11371	284.00	285.00	1.00	nil							
			11372	285.00	286.00	1.00	nil							
			11373	286.00	287.00	1.00	nil							
			11374	287.00	288.00	1.00	nil							
			11375	288.00	289.00	1.00	nil							
			11376	289.00	290.00	1.00	nil							
			11377	290.00	291.00	1.00	nil							
			11378	291.00	292.00	1.00	nil							
			11379	292.00	293.00	1.00	nil							
			11380	293.00	294.00	1.00	nil							
			11381	294.00	294.80	0.80	nil							
294.8		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
22-01	67.50	75.00	7.50	nil																										
22-02	75.00	85.00	10.00	nil																										
22-03	85.00	95.00	10.00	nil																										
22-04	95.00	105.00	10.00	nil																										
22-05	105.00	115.00	10.00	nil																										
22-06	115.00	125.00	10.00	nil																										
22-07	125.00	135.00	10.00	nil																										
22-08	135.00	145.00	10.00	nil																										
22-09	145.00	155.00	10.00	nil																										
22-10	155.00	167.50	12.50	nil																										
22-11	167.50	175.00	7.50	nil																										
22-12	175.00	185.00	10.00	nil																										
22-13	185.00	195.00	10.00	nil																										
22-14	195.00	205.00	10.00	nil																										
22-15	205.00	215.00	10.00	nil																										
22-16	215.00	225.00	10.00	nil																										
22-17	225.00	235.00	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
22-18	235.00	245.00	10.00	nil																										
22-19	245.00	255.00	10.00	nil																										
22-20	255.00	265.00	10.00	nil																										
22-21	265.00	275.00	10.00	nil																										
22-22	275.00	285.00	10.00	nil																										
22-23	285.00	294.80	9.80	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11151	67.60	68.50	0.90	Lapilli Tuff
11152	68.50	69.50	1.00	Lapilli tuff
11153	69.50	70.50	1.00	Lapilli tuff
11154	70.50	71.50	1.00	Lapilli tuff
11155	71.50	72.50	1.00	Lapilli tuff
11191	72.50	73.50	1.00	Crystal tuff
11156	73.50	74.50	1.00	Crystal tuff
11157	74.50	75.50	1.00	Crystal tuff
11158	75.50	76.50	1.00	Lapilli tuff
11159	76.50	77.50	1.00	Lapilli tuff
11160	77.50	78.50	1.00	Crystal tuff
11161	78.50	79.50	1.00	Crystal tuff
11162	79.50	80.50	1.00	Crystal tuff
11163	80.50	81.50	1.00	Crystal tuff
11164	81.50	82.50	1.00	Crystal tuff
11165	82.50	83.50	1.00	Crystal tuff
11166	83.50	84.50	1.00	Lapilli tuff
11167	84.50	85.50	1.00	Lapilli tuff

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11168	85.50	86.60	1.10	Lapilli tuff
11169	86.60	87.20	0.60	Quartz vein
11170	87.20	88.50	1.30	Lapilli and crystal tuff
11171	88.50	89.50	1.00	Crystal tuff
11172	89.50	90.50	1.00	Lapilli tuff
11173	90.50	91.50	1.00	Lapilli tuff
11174	91.50	92.50	1.00	Lapilli tuff
11175	92.50	93.50	1.00	Lapilli tuff
11176	93.50	94.50	1.00	Lapilli tuff
11177	94.50	95.50	1.00	Lapilli tuff
11178	95.50	96.50	1.00	Crystal tuff
11179	96.50	97.50	1.00	Crystal tuff
11180	97.50	98.50	1.00	Lapilli tuff
11181	98.50	99.50	1.00	Lapilli tuff
11182	99.50	100.50	1.00	Lapilli tuff
11183	100.50	101.50	1.00	Lapilli tuff
11184	101.50	102.50	1.00	Crystal tuff
11185	102.50	103.50	1.00	Crystal tuff

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11186	103.50	104.50	1.00	Crystal tuff
11187	104.50	105.50	1.00	Crystal tuff
11188	105.50	106.50	1.00	Crystal tuff
11189	106.50	107.50	1.00	Crystal tuff
11190	107.50	108.50	1.00	Crystal tuff
11192	108.50	109.50	1.00	Crystal tuff
11193	109.50	110.50	1.00	Crystal tuff
11194	110.50	111.50	1.00	5% quartz veins
11195	111.50	112.50	1.00	5% quartz veins
11196	112.50	113.50	1.00	Lapilli tuff
11197	113.50	114.50	1.00	Lapilli tuff
11198	114.50	115.50	1.00	Lapilli tuff
11199	115.50	116.50	1.00	Lapilli tuff
11200	116.50	117.50	1.00	Crystal tuff
11201	117.50	118.50	1.00	crystal tuff
11202	118.50	119.50	1.00	Crystal tuff
11203	119.50	120.50	1.00	Crystal tuff
11204	120.50	121.50	1.00	Crystal tuff

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11205	121.50	122.50	1.00	5% quartz carbonate veins
11206	122.50	123.50	1.00	5% quartz carbonate veins
11207	123.50	124.50	1.00	Crystal tuff
11208	124.50	125.50	1.00	Crystal tuff
11209	125.50	126.50	1.00	Crystal tuff
11210	126.50	127.50	1.00	Crystal tuff
11211	127.50	128.50	1.00	Crystal tuff
11212	128.50	129.50	1.00	Crystal tuff
11213	129.50	130.50	1.00	Crystal tuff
11214	130.50	131.50	1.00	Crystal tuff
11215	131.50	132.50	1.00	5% carbonate veinlets; tourmaline grains
11216	132.50	133.50	1.00	Crystal tuff
11217	133.50	134.50	1.00	Crystal tuff
11218	134.50	135.50	1.00	Crystal tuff
11219	135.50	136.50	1.00	5% carbonate veinlets
11220	136.50	137.50	1.00	Crystal tuff
11221	137.50	138.50	1.00	Crystal tuff
11222	138.50	139.50	1.00	Crystal tuff

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
11223	139.50	140.50	1.00	Crystal tuff
11224	140.50	141.50	1.00	10% quartz-tourmaline veins
11225	141.50	142.50	1.00	Crystal tuff
11226	142.50	143.50	1.00	Crystal tuff
11227	143.50	144.50	1.00	Crystal tuff
11228	144.50	145.50	1.00	Crystal tuff
11229	145.50	146.50	1.00	Crystal tuff
11230	146.50	147.50	1.00	Crystal tuff
11231	147.50	148.50	1.00	Crystal tuff
11232	148.50	149.50	1.00	Crystal tuff
11233	149.50	150.50	1.00	Crystal tuff
11234	150.50	151.50	1.00	Crystal tuff
11235	151.50	152.50	1.00	Crystal tuff
11236	152.50	153.50	1.00	Crystal tuff
11237	153.50	154.50	1.00	Crystal tuff
11238	154.50	155.50	1.00	Crystal tuff
11239	155.50	156.50	1.00	Crystal tuff
11240	156.50	157.50	1.00	Crystal tuff

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11241	157.50	158.50	1.00	Crystal tuff
11242	158.50	159.50	1.00	Crystal tuff
11243	159.50	160.50	1.00	Crystal tuff
11244	160.50	161.50	1.00	Crystal tuff
11245	161.50	162.50	1.00	Crystal tuff
11246	162.50	163.50	1.00	Crystal tuff
11247	163.50	164.50	1.00	Crystal tuff
11248	164.50	165.50	1.00	Crystal tuff
11249	165.50	166.50	1.00	Crystal tuff
11250	166.50	167.50	1.00	Crystal tuff
11251	167.50	168.50	1.00	Crystal tuff chloritized
11252	168.50	169.50	1.00	Crystal tuff chloritized
11253	169.50	170.50	1.00	Crystal tuff chloritized
11254	170.50	171.10	0.60	Crystal tuff; chloritized
11255	171.10	172.40	1.30	5% quartz veins
11256	172.40	173.40	1.00	Crystal tuff; chloritized
11257	173.40	174.40	1.00	Crystal tuff; chloritized
11258	174.40	175.50	1.10	5% quartz veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11259	175.50	176.50	1.00	Crystal tuff; sericitized
11260	176.50	177.50	1.00	Crystal tuff; sericitized
11261	177.50	178.50	1.00	Crystal tuff; chloritized
11262	178.50	179.50	1.00	Crystal tuff; sericitized
11263	179.50	180.50	1.00	Crystal tuff; sericitized
11264	180.50	181.50	1.00	Crystal tuff; sericitized
11265	181.50	182.50	1.00	Crystal tuff; chloritized
11266	182.50	183.00	0.50	10% quartz veins
11267	183.00	184.00	1.00	Crystal tuff; chloritized
11268	184.00	185.00	1.00	Crystal tuff; chloritized
11269	185.00	186.00	1.00	Crystal tuff; chloritized
11270	186.00	187.00	1.00	Crystal tuff; chloritized
11271	187.00	188.00	1.00	Crystal tuff; sericitized
11272	188.00	189.00	1.00	Crystal tuff; chloritized; brecciated
11273	189.00	190.00	1.00	Crystal tuff; chloritized
11274	190.00	191.00	1.00	Crystal tuff; sericitized
11275	191.00	192.00	1.00	Crystal tuff; sericitized
11276	192.00	192.60	0.60	Crystal tuff; sericitized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11277	192.60	193.20	0.60	50% quartz-chlorite-sericite vein
11278	193.20	194.20	1.00	Crystal tuff; sericitized
11279	194.20	195.20	1.00	5% quartz veins
11280	195.20	196.20	1.00	Crystal tuff; chloritized
11281	196.20	197.20	1.00	Crystal tuff; chloritized
11282	197.20	198.20	1.00	Crystal tuff; chloritized
11283	198.20	199.20	1.00	Crystal tuff; sericitized
11284	199.20	200.20	1.00	Crystal tuff; chloritized
11285	200.20	201.20	1.00	Crystal tuff; chloritized
11286	201.20	202.20	1.00	Crystal and lapilli tuff; chloritized
11287	202.20	203.20	1.00	Crystal tuff; sericitized
11288	203.20	204.20	1.00	Crystal tuff; sericitized
11289	204.20	205.20	1.00	Crystal tuff; sericitized
11290	205.20	206.20	1.00	Crystal tuff; sericitized
11291	206.20	207.20	1.00	Crystal tuff; sericitized
11292	207.20	208.20	1.00	Crystal tuff; 30% chloritized; phenocrysts; sericitized matrix
11293	208.20	209.20	1.00	Crystal tuff; sericitized
11294	209.20	210.20	1.00	Crystal tuff; sericitized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11295	210.20	211.20	1.00	Crystal-lapilli tuff; sericitised
11296	211.20	212.20	1.00	Crystal tuff; sericitized; chloritized
11297	212.20	213.20	1.00	Mafic dyke
11298	213.20	214.20	1.00	Crystal-lapilli tuff; sericitized
11299	214.20	215.00	0.80	Crystal-lapilli tuff; sericitized
11300	215.00	216.00	1.00	Crystal-lapilli tuff; sericitized
11301	216.00	217.00	1.00	Crystal-lapilli tuff; sericitized
11302	217.00	218.00	1.00	Crystal-lapilli tuff; sericitized
11303	218.00	219.00	1.00	Crystal tuff; sericitized
11304	219.00	220.00	1.00	Crystal tuff; chloritized
11305	220.00	221.00	1.00	Crystal tuff; chloritized
11306	221.00	222.00	1.00	Crystal tuff; chloritized
11307	222.00	223.00	1.00	Crystal tuff; chloritized
11308	223.00	224.00	1.00	Crystal tuff; chloritized
11309	224.00	225.00	1.00	Crystal tuff; chloritized
11310	225.00	226.00	1.00	Crystal tuff; chloritized
11311	226.00	227.00	1.00	Crystal tuff; chloritized
11312	227.00	228.00	1.00	Crystal tuff; chloritized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11313	228.00	229.00	1.00	Crystal tuff; chloritized
11314	229.00	230.00	1.00	Crystal tuff; chloritized
11315	230.00	231.00	1.00	Crystal tuff; chloritized
11316	231.00	232.00	1.00	Crystal tuff; chloritized
11317	232.00	233.00	1.00	Crystal tuff; chloritized
11318	233.00	234.00	1.00	Crystal tuff; chloritized
11319	234.00	235.00	1.00	Crystal tuff; chloritized
11320	235.00	236.00	1.00	Crystal tuff; sericitized
11321	236.00	237.00	1.00	Crystal tuff; sericitized
11322	237.00	238.00	1.00	Crystal tuff; chloritized
11323	238.00	239.00	1.00	Crystal tuff; chloritized
11324	239.00	240.10	1.10	Crystal tuff; sericitized
11325	240.10	241.00	0.90	Crystal tuff; sericitized; 30% chloritized phenocrysts
11326	241.00	242.00	1.00	Crystal tuff; chloritized
11327	242.00	243.00	1.00	5% quartz veins
11328	243.00	244.00	1.00	Crystal tuff; chloritized
11329	244.00	245.00	1.00	Crystal tuff; chloritized
11330	245.00	246.00	1.00	Crystal tuff; chloritized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11331	246.00	247.00	1.00	5% quartz veins
11332	247.00	247.60	0.60	Crystal tuff; chloritized
11333	247.60	248.10	0.50	80% quartz vein
11334	248.10	249.00	0.90	Crystal tuff; chloritized
11335	249.00	250.00	1.00	5% quartz veins
11336	250.00	251.00	1.00	Crystal tuff; chloritized
11337	251.00	252.00	1.00	Crystal tuff; chloritized
11338	252.00	253.00	1.00	Crystal tuff; chloritized
11339	253.00	254.00	1.00	Crystal tuff; chloritized
11340	254.00	255.00	1.00	60% mafic dyke
11341	255.00	256.00	1.00	Crystal tuff; chloritized
11342	256.00	257.00	1.00	Crystal tuff; chloritized
11343	257.00	258.00	1.00	Crystal tuff; chloritized
11344	258.00	259.00	1.00	Crystal tuff; chloritized
11345	259.00	260.00	1.00	Crystal tuff; chloritized
11346	260.00	261.00	1.00	Crystal lapilli tuff chloritized
11347	261.00	262.00	1.00	Crystal-lapilli tuff; sericitized
11348	262.00	263.00	1.00	Crystal tuff; sericitized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11349	263.00	264.00	1.00	Crystal tuff; sericitized
11350	264.00	265.00	1.00	Crystal tuff; sericitized
11351	265.00	266.00	1.00	Crystal tuff; sericitized
11352	266.00	266.50	0.50	10% quartz veins
11353	266.50	267.50	1.00	Crystal tuff; chloritized
11354	267.50	268.50	1.00	Crystal-lapilli tuff; chloritized
11355	268.50	269.50	1.00	Crystal-lapilli tuff; chloritized
11356	269.50	270.50	1.00	Crystal-lapilli tuff; chloritized
11357	270.50	271.50	1.00	Crystal-lapilli tuff; sericitized
11358	271.50	272.50	1.00	Crystal tuff; sericitized
11359	272.50	273.00	0.50	Crystal tuff; sericitized
11360	273.00	274.00	1.00	Crystal tuff; chloritized
11361	274.00	275.00	1.00	Crystal tuff; chloritized
11362	275.00	276.00	1.00	Crystal tuff; chloritized
11363	276.00	277.00	1.00	Crystal tuff; chloritized
11364	277.00	278.00	1.00	Crystal tuff; chloritized
11365	278.00	279.00	1.00	Crystal tuff; chloritized
11366	279.00	280.00	1.00	Crystal-lapilli tuff; chloritized

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11367	280.00	281.00	1.00	Crystal-lapilli tuff; chloritized
11368	281.00	282.00	1.00	Crystal tuff chloritized
11369	282.00	283.00	1.00	Crystal tuff; chloritized
11370	283.00	284.00	1.00	Crystal tuff; chloritized
11371	284.00	285.00	1.00	Crystal tuff; chloritized
11372	285.00	286.00	1.00	20% mafic dyke
11373	286.00	287.00	1.00	Crystal tuff; chloritized
11374	287.00	288.00	1.00	Crystal tuff; chloritized
11375	288.00	289.00	1.00	Crystal tuff; sericitized
11376	289.00	290.00	1.00	Crystal tuff; sericitized
11377	290.00	291.00	1.00	Crystal tuff; sericitized
11378	291.00	292.00	1.00	Crystal tuff; sericitized
11379	292.00	293.00	1.00	Crystal tuff; sericitized
11380	293.00	294.00	1.00	Crystal tuff; sericitized
11381	294.00	294.80	0.80	Crystal tuff; chloritized

LES EXPLORATIONS NORAMCO INC.

H-1435-023
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DIAMOND DRILL LOG

Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442226-2	Coordinates:	L52+00E , 6+00N NTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	267.3 meters
Logged By:	Regis Simard	Casing:	In: 9.75m BW; 3m NW	Elevation:	320 meters
Date Started:	Aug. 27 1987	Date Completed:	Aug. 29 1987	Date Logged:	Sept. 2 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Sept. 9 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	32.05 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	61 m		-50 deg.
# 2.	122 m		-50 deg.
# 3.	183 m		-50 deg.
# 4.	244 m		-50 deg.

Purpose

Test strong deflection of regional SE-trending conductive zone.
No conductor within zone.

Conclusions

intersected gabbro and andesite flow with 2% mineralization of pyrite-pyrrhotite.
mainly major N-dipping quartz veins have been crossing; they can be explained a fault zone.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	32.0	OVERBURDEN		
32.0	181.1	GABBRO	Pyrite (tr-2%; (vfg)) Pyrrhotite (tr-1%; (vfg)) Chalcopyrite (tr; (vfg))	Carbonate (calcitic; str) Chlorite (weak-moderate) Leucoxene (weak to moder)
181.1	267.3	ANDESITE FLOW	Pyrite (tr-3%; (vfg)) Pyrrhotite (tr-1%; (vfg);) Chalcopyrite (tr; (vfg).)	Carbonate (calcitic; str)
	267.3	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	32.0	OVERBURDEN												
32.0	181.1	GABBRO												
		Dark Green	10786	32.05	33.00	0.95	nil							
		Fine to Medium Grained	10787	33.00	34.00	1.00	nil							
		Massive	10788	34.00	35.00	1.00	nil							
		Weakly Fractured (3 Fractures/Meter)	10789	35.00	36.00	1.00	nil							
		1% Quartz-Carbonate Veining variable -- Avg. Width 1cm	10790	36.00	37.00	1.00	nil							
		Pyrite: tr-2%; (vfg) and cubes 1-5mm.	10791	37.00	38.00	1.00	nil							
		Pyrrhotite: tr-1%; (vfg)	10792	38.00	39.00	1.00	nil							
		Chalcopyrite: tr; (vfg)	10793	39.00	40.00	1.00	nil							
		Carbonate Alteration: calcitic; strongly pervasive.	10794	40.00	41.00	1.00	nil							
		Chlorite Alteration: weak-moderate pervasive.	10795	41.00	42.00	1.00	nil							
		Leucoxene Alteration: weak to moderate; 38.0-47.0: 5%; 3mm	10796	42.00	43.00	1.00	nil							
		Moderately Magnetic 32.05-50.8; and weak locally.	10797	43.00	44.00	1.00	nil							
			10798	44.00	45.00	1.00	nil							
		32.05-51.0: medium grains.	10799	45.00	46.00	1.00	nil							
		Locally; blue Qtz eyes: (67.0-68.0; 78.0-79.0) 2%; 2mm.	10800	46.00	47.00	1.00	nil							
		60.5-63.7: 90% Qtz veins (50-70CAX); with rusty fractures.	10801	47.00	48.00	1.00	nil							
		102.0-102.6: Qtz vein; 40CAX	10802	48.00	49.00	1.00	nil							
		108.5-110.15: carbonate and rusty sheared zone (80CAX); tr.	10803	49.00	50.00	1.00	nil							
		hematite; 1-2% pyrite (vfg).	10804	50.00	51.00	1.00	nil							
		118.5-119.4: calcite vein //CAX with 15% (vfg) light pyrite	10805	51.00	52.00	1.00	nil							
		in margins.	10806	52.00	53.00	1.00	nil							
		145.3 147.8: Qtz-Carb vein (40-60CAX).	10807	53.00	54.00	1.00	nil							
		151.0-161.0: schistosity at 60CAX with 10% irregular	10808	54.00	55.00	1.00	nil							
		carbonate veinlets (1cm).	10809	55.00	56.00	1.00	nil							
		163.0-165.5: porphyritic zone; 5% rectangular calcitic	10810	56.00	57.00	1.00	nil							
		phenocrysts of 5mm.	10811	57.00	58.00	1.00	nil							
		173.0-181.1: boil bearing texture.	10812	58.00	59.00	1.00	nil							
			10813	59.00	60.00	1.00	nil							
			10814	60.00	61.00	1.00	nil							
			10815	61.00	62.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10816	62.00	63.00	1.00	nil							
			10817	63.00	64.00	1.00	nil							
			10818	64.00	65.00	1.00	nil							
			10819	65.00	66.00	1.00	nil							
			10820	66.00	67.00	1.00	nil							
			10821	67.00	68.00	1.00	nil							
			10822	68.00	69.00	1.00	nil							
			10823	69.00	70.00	1.00	nil							
			10824	70.00	71.00	1.00	nil							
			10825	71.00	72.00	1.00	nil							
			10826	72.00	73.00	1.00	nil							
			10827	73.00	74.00	1.00	nil							
			10828	74.00	75.00	1.00	nil							
			10829	75.00	76.00	1.00	nil							
			10830	76.00	77.00	1.00	nil							
			10831	77.00	78.00	1.00	nil							
			10832	78.00	79.00	1.00	nil							
			10833	79.00	80.00	1.00	nil							
			10834	80.00	81.00	1.00	nil							
			10835	81.00	82.00	1.00	nil							
			10836	82.00	83.00	1.00	nil							
			10837	83.00	84.00	1.00	nil							
			10838	84.00	85.00	1.00	nil							
			10839	85.00	86.00	1.00	nil							
			10840	86.00	87.00	1.00	nil							
			11097	87.00	88.00	1.00	nil							
			10841	88.00	89.00	1.00	nil							
			10842	89.00	90.00	1.00	nil							
			10843	90.00	91.00	1.00	nil							
			10844	91.00	92.00	1.00	nil							
			10845	92.00	93.00	1.00	nil							
			10846	93.00	94.00	1.00	nil							
			10847	94.00	95.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10848	95.00	96.00	1.00	nil							
			10849	96.00	97.00	1.00	nil							
			10850	97.00	98.00	1.00	nil							
			10851	98.00	99.00	1.00	nil							
			10852	99.00	100.00	1.00	nil							
			10853	100.00	101.00	1.00	nil							
			10854	101.00	102.00	1.00	nil							
			10855	102.00	103.00	1.00	nil							
			10856	103.00	104.00	1.00	nil							
			10857	104.00	105.00	1.00	nil							
			10858	105.00	106.00	1.00	nil							
			10859	106.00	107.00	1.00	nil							
			10860	107.00	108.00	1.00	nil							
			10861	108.00	109.00	1.00	nil							
			10862	109.00	110.00	1.00	nil							
			10863	110.00	111.00	1.00	nil							
			10864	111.00	112.00	1.00	nil							
			10865	112.00	113.00	1.00	nil							
			10866	113.00	114.00	1.00	nil							
			10867	114.00	115.00	1.00	nil							
			10868	115.00	116.00	1.00	nil							
			10869	116.00	117.00	1.00	nil							
			10870	117.00	118.00	1.00	nil							
			10871	118.00	119.00	1.00	nil							
			10872	119.00	120.00	1.00	nil							
			10873	120.00	121.00	1.00	nil							
			10874	121.00	122.00	1.00	nil							
			10875	122.00	123.00	1.00	nil							
			10876	123.00	124.00	1.00	nil							
			10877	124.00	125.00	1.00	nil							
			10878	125.00	126.00	1.00	nil							
			10879	126.00	127.00	1.00	nil							
			10880	127.00	128.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10881	128.00	129.00	1.00	nil							
			10882	129.00	130.00	1.00	nil							
			10883	130.00	131.00	1.00	nil							
			10884	131.00	132.00	1.00	nil							
			10885	132.00	133.00	1.00	nil							
			10886	133.00	134.00	1.00	nil							
			10887	134.00	135.00	1.00	nil							
			10888	135.00	136.00	1.00	nil							
			10889	136.00	137.00	1.00	nil							
			10890	137.00	138.00	1.00	nil							
			10891	138.00	139.00	1.00	nil							
			10892	139.00	140.00	1.00	nil							
			10893	140.00	141.00	1.00	nil							
			10894	141.00	142.00	1.00	nil							
			10895	142.00	143.00	1.00	nil							
			10896	143.00	144.00	1.00	nil							
			10897	144.00	145.00	1.00	nil							
			10898	145.00	146.00	1.00	nil							
			10899	146.00	147.00	1.00	nil							
			10900	147.00	148.00	1.00	nil							
			10901	148.00	149.00	1.00	nil							
			10902	149.00	150.00	1.00	nil							
			10903	150.00	151.00	1.00	nil							
			10904	151.00	152.00	1.00	nil							
			10905	152.00	153.00	1.00	nil							
			10906	153.00	154.00	1.00	nil							
			10907	154.00	155.00	1.00	nil							
			10908	155.00	156.00	1.00	nil							
			10909	156.00	157.00	1.00	nil							
			10910	157.00	158.00	1.00	nil							
			10911	158.00	159.00	1.00	nil							
			10912	159.00	160.00	1.00	nil							
			10913	160.00	161.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10914	161.00	162.00	1.00	nil							
			10915	162.00	163.00	1.00	nil							
			10916	163.00	164.00	1.00	nil							
			10917	164.00	165.00	1.00	nil							
			10918	165.00	166.00	1.00	0.010							
			10919	166.00	167.00	1.00	nil							
			10920	167.00	168.00	1.00	nil							
			10921	168.00	169.00	1.00	nil							
			10922	169.00	170.00	1.00	nil							
			10923	170.00	171.00	1.00	nil							
			10924	171.00	172.00	1.00	nil							
			10925	172.00	173.00	1.00	nil							
			10926	173.00	174.00	1.00	nil							
			10927	174.00	175.00	1.00	nil							
			10928	175.00	176.00	1.00	nil							
			10929	176.00	177.00	1.00	nil							
			10930	177.00	178.00	1.00	nil							
			10931	178.00	179.00	1.00	nil							
			10932	179.00	180.00	1.00	nil							
			10933	180.00	181.00	1.00	nil							
			10934	181.00	182.00	1.00	nil							
181.1	267.3	ANDESITE FLOW												
		Light Green to Grey	10935	182.00	183.00	1.00	nil							
		Fine Grained	10936	183.00	184.00	1.00	nil							
		Massive	10937	184.00	185.00	1.00	nil							
		Weakly Fractured (2 Fractures/Meter)	10938	185.00	186.00	1.00	nil							
		5% Quartz-Carbonate Veining variable -- Avg. Width 5mm	10939	186.00	187.00	1.00	nil							
		Pyrite: tr-3%; (vfg) and cubes 1-10mm; occasionally in	10940	187.00	188.00	1.00	nil							
		fractures.	10941	188.00	189.00	1.00	nil							
		Pyrrhotite: tr-1%; (vfg); locally plaques of 5mm.	10942	189.00	190.00	1.00	nil							
		Chalcopyrite: tr; (vfg).	10943	190.00	191.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Carbonate Alteration: calcitic; strongly pervasive.	10944	191.00	191.80	0.80	nil							
		Non Magnetic	10945	191.80	192.20	0.40	nil							
			10946	192.20	193.00	0.80	nil							
		181.1-184.0: rusty and strongly carbonate sheared zone	10947	193.00	194.00	1.00	nil							
		(80CAX); 3% pyrite-pyrrhotite concordant stringers.	10948	194.00	195.00	1.00	nil							
		182.35-182.45: carb. vein with 5% chalcopyrite (vfg).	10949	195.00	196.00	1.00	nil							
		locally; carbonate amygdules (5-10mm).	10950	196.00	197.00	1.00	nil							
		brecciated structure (tectonic) in carbonate veins; with	10951	197.00	198.00	1.00	nil							
		1-5% pyrite and pyrrhotite; tourmaline grains in	10952	198.00	199.00	1.00	nil							
		pyrrhotite plaques (<1%).	10953	199.00	200.00	1.00	nil							
		185.7-185.9: Qtz vein with 5% brown tourmaline in margins	10954	200.00	201.00	1.00	nil							
		and // contact bands of 5mm at each 10cm;	10955	201.00	202.00	1.00	nil							
		presence of light green muscovite grains; vein contacts at	10956	202.00	203.00	1.00	nil							
		5-20CAX.	10957	203.00	204.00	1.00	nil							
		201.2-202.0: IDEM	10958	204.00	205.00	1.00	nil							
		216.7-219.4: IDEM	10959	205.00	206.00	1.00	nil							
		220.5-221.0: IDEM	10960	206.00	207.00	1.00	nil							
		229.25-229.8: IDEM	10961	207.00	208.00	1.00	nil							
		237.25-237.6: IDEM	10962	208.00	209.00	1.00	nil							
		183.0-184.0: weak sericite alteration.	10963	209.00	209.70	0.70	nil							
		254.0-255.0: silicified zone.	10964	209.70	210.20	0.50	nil							
		some stretching Qtz veins of 2cm; //CAX.	10965	210.20	211.00	0.80	nil							
		Fire Assay Samples : 10786 to 11020 / 11033 to 11034 /	10966	211.00	212.00	1.00	nil							
		11097	10967	212.00	213.00	1.00	nil							
		Lithogeochem Samples: 23-01 to 23-24	10968	213.00	214.00	1.00	nil							
			11033	214.00	215.00	1.00	nil							
			10969	215.00	216.00	1.00	nil							
			10970	216.00	216.60	0.60	nil							
			10971	216.60	217.60	1.00	nil							
			10972	217.60	218.60	1.00	nil							
			10973	218.60	219.60	1.00	nil							
			10974	219.60	220.40	0.80	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			10975	220.40	221.00	0.60	nil							
			10976	221.00	222.00	1.00	nil							
			10977	222.00	223.00	1.00	nil							
			10978	223.00	224.00	1.00	nil							
			10979	224.00	225.00	1.00	nil							
			10980	225.00	226.00	1.00	nil							
			10981	226.00	227.00	1.00	nil							
			10982	227.00	228.00	1.00	nil							
			10983	228.00	229.00	1.00	nil							
			10984	229.00	229.70	0.70	nil							
			10985	229.70	231.00	1.30	nil							
			10986	231.00	232.00	1.00	nil							
			10987	232.00	233.00	1.00	nil							
			10988	233.00	234.00	1.00	nil							
			10989	234.00	235.00	1.00	nil							
			10990	235.00	236.00	1.00	nil							
			10991	236.00	237.00	1.00	nil							
			10992	237.00	237.80	0.80	nil							
			11034	237.80	239.00	1.20	nil							
			10993	239.00	240.00	1.00	nil							
			10994	240.00	241.00	1.00	nil							
			10995	241.00	242.00	1.00	nil							
			10996	242.00	243.00	1.00	nil							
			10997	243.00	244.00	1.00	nil							
			10998	244.00	245.00	1.00	nil							
			10999	245.00	246.00	1.00	nil							
			11000	246.00	247.00	1.00	nil							
			11001	247.00	248.00	1.00	nil							
			11002	248.00	249.00	1.00	nil							
			11003	249.00	250.00	1.00	nil							
			11004	250.00	251.00	1.00	nil							
			11005	251.00	252.00	1.00	nil							
			11006	252.00	253.00	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11007	253.00	254.00	1.00	nil							
			11008	254.00	255.00	1.00	nil							
			11009	255.00	256.00	1.00	nil							
			11010	256.00	257.00	1.00	nil							
			11011	257.00	258.00	1.00	nil							
			11012	258.00	259.00	1.00	nil							
			11013	259.00	260.00	1.00	nil							
			11014	260.00	261.00	1.00	nil							
			11015	261.00	262.00	1.00	nil							
			11016	262.00	263.00	1.00	nil							
			11017	263.00	264.00	1.00	nil							
			11018	264.00	265.00	1.00	nil							
			11019	265.00	266.00	1.00	nil							
			11020	266.00	267.30	1.30	nil							
267.3		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
23-01	32.00	40.00	8.00	nil																										
23-02	40.00	50.00	10.00	nil																										
23-03	50.00	60.00	10.00	nil																										
23-04	60.00	70.00	10.00	nil																										
23-05	70.00	80.00	10.00	nil																										
23-06	80.00	90.00	10.00	nil																										
23-07	90.00	100.00	10.00	nil																										
23-08	100.00	110.00	10.00	nil																										
23-09	110.00	120.00	10.00	nil																										
23-10	120.00	130.00	10.00	nil																										
23-11	130.00	140.00	10.00	nil																										
23-12	140.00	150.00	10.00	nil																										
23-13	150.00	160.00	10.00	nil																										
23-14	160.00	170.00	10.00	nil																										
23-15	170.00	181.10	11.10	nil																										
23-16	181.10	190.00	8.90	nil																										
23-17	190.00	200.00	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
23-18	200.00	210.00	10.00	nil																										
23-19	210.00	220.00	10.00	nil																										
23-20	220.00	230.00	10.00	nil																										
23-21	230.00	240.00	10.00	nil																										
23-22	240.00	250.00	10.00	nil																										
23-23	250.00	260.00	10.00	nil																										
23-24	260.00	267.30	7.30	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10786	32.05	33.00	0.95	1% pyrite
10787	33.00	34.00	1.00	idem
10788	34.00	35.00	1.00	idem
10789	35.00	36.00	1.00	idem
10790	36.00	37.00	1.00	idem
10791	37.00	38.00	1.00	idem
10792	38.00	39.00	1.00	1% pyrite; leucoxene
10793	39.00	40.00	1.00	idem
10794	40.00	41.00	1.00	idem
10795	41.00	42.00	1.00	idem
10796	42.00	43.00	1.00	idem
10797	43.00	44.00	1.00	idem
10798	44.00	45.00	1.00	idem
10799	45.00	46.00	1.00	idem
10800	46.00	47.00	1.00	idem
10801	47.00	48.00	1.00	tr-1% pyrite-pyrrhotite
10802	48.00	49.00	1.00	idem
10803	49.00	50.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10804	50.00	51.00	1.00	10% Qtz-Carb veins; 45CAX
10805	51.00	52.00	1.00	tr-1% pyrite-pyrrhotite
10806	52.00	53.00	1.00	10% Qtz-Carb veins
10807	53.00	54.00	1.00	10% Qtz-Carb veins
10808	54.00	55.00	1.00	tr-1% pyrite-pyrrhotite
10809	55.00	56.00	1.00	idem
10810	56.00	57.00	1.00	idem
10811	57.00	58.00	1.00	idem
10812	58.00	59.00	1.00	idem
10813	59.00	60.00	1.00	idem
10814	60.00	61.00	1.00	30% Qtz vein 60CAX
10815	61.00	62.00	1.00	50% Qtz vein; rusty fractures
10816	62.00	63.00	1.00	100% Qtz vein; rusty fractures
10817	63.00	64.00	1.00	40% Qtz vein; 3% pyrite
10818	64.00	65.00	1.00	tr-2% pyrite-pyrrhotite
10819	65.00	66.00	1.00	idem
10820	66.00	67.00	1.00	idem
10821	67.00	68.00	1.00	2% blue Qtz eyes; tr-2% pyrite-pyrrhotite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10822	68.00	69.00	1.00	tr-2% pyrite-pyrrhotite
10823	69.00	70.00	1.00	5% Qtz vein; tr-2% pyrite-pyrrhotite
10824	70.00	71.00	1.00	tr-2% pyrite-pyrrhotite
10825	71.00	72.00	1.00	idem
10826	72.00	73.00	1.00	idem
10827	73.00	74.00	1.00	idem
10828	74.00	75.00	1.00	idem
10829	75.00	76.00	1.00	idem
10830	76.00	77.00	1.00	5% pyrite cubes (1cm); tr-1% pyrrhotite
10831	77.00	78.00	1.00	tr-2% pyrite-pyrrhotite
10832	78.00	79.00	1.00	1% Qtz blue eyes; tr-2% pyrite-pyrrhotite
10833	79.00	80.00	1.00	tr-2% pyrite-pyrrhotite
10834	80.00	81.00	1.00	tr-2% pyrite-pyrrhotite; leucoxene
10835	81.00	82.00	1.00	idem
10836	82.00	83.00	1.00	idem
10837	83.00	84.00	1.00	idem
10838	84.00	85.00	1.00	idem
10839	85.00	86.00	1.00	5% carb. veins; 40CAX; tr-2% pyrite-pyrrhotite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10840	86.00	87.00	1.00	tr-2% pyrite-pyrrhotite; leucoxene
11097	87.00	88.00	1.00	idem
10841	88.00	89.00	1.00	tr-2% pyrite-pyrrhotite
10842	89.00	90.00	1.00	idem
10843	90.00	91.00	1.00	idem
10844	91.00	92.00	1.00	idem
10845	92.00	93.00	1.00	idem
10846	93.00	94.00	1.00	leucoxene
10847	94.00	95.00	1.00	tr-2% pyrite-pyrrhotite
10848	95.00	96.00	1.00	idem
10849	96.00	97.00	1.00	5% Qtz vein; 40CAX; tr-2% pyrite-pyrrhotite
10850	97.00	98.00	1.00	3% pyrite
10851	98.00	99.00	1.00	tr-2% pyrite-pyrrhotite
10852	99.00	100.00	1.00	tr-2% pyrite-pyrrhotite
10853	100.00	101.00	1.00	40% Qtz vein; 30CAX
10854	101.00	102.00	1.00	blocky core; chloritized zone
10855	102.00	103.00	1.00	70% Qtz vein; 40CAX
10856	103.00	104.00	1.00	tr-2% pyrite-pyrrhotite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10857	104.00	105.00	1.00	idem
10858	105.00	106.00	1.00	idem
10859	106.00	107.00	1.00	idem
10860	107.00	108.00	1.00	idem
10861	108.00	109.00	1.00	carbonate and rusty sheared zone; 1-2% pyrite
10862	109.00	110.00	1.00	idem
10863	110.00	111.00	1.00	tr-2% pyrite-pyrrhotite
10864	111.00	112.00	1.00	idem
10865	112.00	113.00	1.00	idem
10866	113.00	114.00	1.00	idem
10867	114.00	115.00	1.00	idem
10868	115.00	116.00	1.00	idem
10869	116.00	117.00	1.00	idem
10870	117.00	118.00	1.00	idem
10871	118.00	119.00	1.00	20% calcitic vein //CAX; 5% light pyrite
10872	119.00	120.00	1.00	25% same above
10873	120.00	121.00	1.00	tr-2% pyrite-pyrrhotite
10874	121.00	122.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10875	122.00	123.00	1.00	idem
10876	123.00	124.00	1.00	idem
10877	124.00	125.00	1.00	idem
10878	125.00	126.00	1.00	idem
10879	126.00	127.00	1.00	idem
10880	127.00	128.00	1.00	idem
10881	128.00	129.00	1.00	idem
10882	129.00	130.00	1.00	idem
10883	130.00	131.00	1.00	idem
10884	131.00	132.00	1.00	idem
10885	132.00	133.00	1.00	idem
10886	133.00	134.00	1.00	idem
10887	134.00	135.00	1.00	idem
10888	135.00	136.00	1.00	idem
10889	136.00	137.00	1.00	idem
10890	137.00	138.00	1.00	idem
10891	138.00	139.00	1.00	idem
10892	139.00	140.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10893	140.00	141.00	1.00	idem
10894	141.00	142.00	1.00	idem
10895	142.00	143.00	1.00	idem
10896	143.00	144.00	1.00	idem
10897	144.00	145.00	1.00	idem
10898	145.00	146.00	1.00	80% Qtz vein 40CAX
10899	146.00	147.00	1.00	100% Qtz vein
10900	147.00	148.00	1.00	70% Qtz vein 50CAX
10901	148.00	149.00	1.00	tr-2% pyrite-pyrrhotite
10902	149.00	150.00	1.00	idem
10903	150.00	151.00	1.00	idem
10904	151.00	152.00	1.00	idem
10905	152.00	153.00	1.00	10% Qtz vein 60CAX; 20% carb. veinlets
10906	153.00	154.00	1.00	tr-2% pyrite-pyrrhotite
10907	154.00	155.00	1.00	10% irregular carb. veinlets
10908	155.00	156.00	1.00	20% irregular carb. veinlets
10909	156.00	157.00	1.00	10% Qtz-Carb. veinlets
10910	157.00	158.00	1.00	60% carb. veinlets 70CAX

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10911	158.00	159.00	1.00	20% carb. veinlets 80CAX
10912	159.00	160.00	1.00	sheared zone; 75CAX
10913	160.00	161.00	1.00	5% carb. veinlets 70CAX
10914	161.00	162.00	1.00	very strongly calcitic
10915	162.00	163.00	1.00	idem
10916	163.00	164.00	1.00	5% calcitic phenocrysts
10917	164.00	165.00	1.00	idem
10918	165.00	166.00	1.00	idem
10919	166.00	167.00	1.00	idem
10920	167.00	168.00	1.00	idem
10921	168.00	169.00	1.00	idem
10922	169.00	170.00	1.00	idem
10923	170.00	171.00	1.00	idem
10924	171.00	172.00	1.00	idem
10925	172.00	173.00	1.00	idem
10926	173.00	174.00	1.00	boil bearing texture
10927	174.00	175.00	1.00	idem
10928	175.00	176.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10929	176.00	177.00	1.00	idem
10930	177.00	178.00	1.00	idem
10931	178.00	179.00	1.00	idem
10932	179.00	180.00	1.00	idem
10933	180.00	181.00	1.00	idem
10934	181.00	182.00	1.00	rusty and carbonate sheared zone; 3% pyrite pyrrhotite
10935	182.00	183.00	1.00	idem
10936	183.00	184.00	1.00	idem; and weakly sericitized
10937	184.00	185.00	1.00	tr-3% pyrite-pyrrhotite
10938	185.00	186.00	1.00	10% Qtz-tourmaline vein
10939	186.00	187.00	1.00	tr-3% pyrite-pyrrhotite
10940	187.00	188.00	1.00	idem
10941	188.00	189.00	1.00	idem
10942	189.00	190.00	1.00	idem
10943	190.00	191.00	1.00	idem
10944	191.00	191.80	0.80	idem
10945	191.80	192.20	0.40	80% Qtz vein 20CAX
10946	192.20	193.00	0.80	tr-3% pyrite-pyrrhotite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10947	193.00	194.00	1.00	5% Qtz vein 15CAX; pyrite in fractures
10948	194.00	195.00	1.00	5% carb. veinlets; tr-3% pyrite-pyrrhotite
10949	195.00	196.00	1.00	idem
10950	196.00	197.00	1.00	idem
10951	197.00	198.00	1.00	idem
10952	198.00	199.00	1.00	idem
10953	199.00	200.00	1.00	idem
10954	200.00	201.00	1.00	idem
10955	201.00	202.00	1.00	90% Qtz-tourmaline vein
10956	202.00	203.00	1.00	5% carb. veinlets; tr-3% pyrite-pyrrhotite
10957	203.00	204.00	1.00	idem
10958	204.00	205.00	1.00	idem
10959	205.00	206.00	1.00	idem
10960	206.00	207.00	1.00	idem
10961	207.00	208.00	1.00	idem
10962	208.00	209.00	1.00	idem
10963	209.00	209.70	0.70	10% irregular carb. veinlets; tr-3% pyrite pyrrhotite
10964	209.70	210.20	0.50	50% Qtz-Carb. vein 50-80CAX

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10965	210.20	211.00	0.80	5% carb. veinlets; tr-3% pyrite-pyrrhotite
10966	211.00	212.00	1.00	idem
10967	212.00	213.00	1.00	idem
10968	213.00	214.00	1.00	idem
11033	214.00	215.00	1.00	idem
10969	215.00	216.00	1.00	idem
10970	216.00	216.60	0.60	idem
10971	216.60	217.60	1.00	100% Qtz-tourmaline vein 15CAX
10972	217.60	218.60	1.00	idem
10973	218.60	219.60	1.00	90% same above
10974	219.60	220.40	0.80	tr pyrite
10975	220.40	221.00	0.60	90% Qtz-tourmaline vein 15CAX
10976	221.00	222.00	1.00	5% carb. vein; tr-3% pyrite-pyrrhotite
10977	222.00	223.00	1.00	idem
10978	223.00	224.00	1.00	idem
10979	224.00	225.00	1.00	idem
10980	225.00	226.00	1.00	idem
10981	226.00	227.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
10982	227.00	228.00	1.00	idem
10983	228.00	229.00	1.00	idem
10984	229.00	229.70	0.70	Qtz-tourmaline vein 40CAX
10985	229.70	231.00	1.30	5% carb. vein; tr-3% pyrite pyrrhotite
10986	231.00	232.00	1.00	idem
10987	232.00	233.00	1.00	idem
10988	233.00	234.00	1.00	idem
10989	234.00	235.00	1.00	idem
10990	235.00	236.00	1.00	idem
10991	236.00	237.00	1.00	idem
10992	237.00	237.80	0.80	Qtz-tourmaline vein 15CAX
11034	237.80	239.00	1.20	5% carb. veinlets; tr-3% pyrite-pyrrhotite
10993	239.00	240.00	1.00	40% carb. veinlets 60CAX; tr-3% pyrite-pyrrhotite
10994	240.00	241.00	1.00	10% same above
10995	241.00	242.00	1.00	40% irregular Qtz-Carb. veinlets; tr-3% pyrite-pyrrhotite
10996	242.00	243.00	1.00	30% same above
10997	243.00	244.00	1.00	20% same above
10998	244.00	245.00	1.00	10% same above

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
10999	245.00	246.00	1.00	idem
11000	246.00	247.00	1.00	5% carb. veinlets; tr-3% pyrite pyrrhotite
11001	247.00	248.00	1.00	idem
11002	248.00	249.00	1.00	idem
11003	249.00	250.00	1.00	idem
11004	250.00	251.00	1.00	idem
11005	251.00	252.00	1.00	idem
11006	252.00	253.00	1.00	idem
11007	253.00	254.00	1.00	20% Qtz-Carb. veins 60CAX; tr-3% pyrite pyrrhotite
11008	254.00	255.00	1.00	silicified zone
11009	255.00	256.00	1.00	5% carb. veinlets; tr-3% pyrite-pyrrhotite
11010	256.00	257.00	1.00	idem
11011	257.00	258.00	1.00	10cm Qtz veins 40CAX
11012	258.00	259.00	1.00	5% carb. veinlets; weakly sheared zone at 60CAX; tr-3% pyrite pyrrhotite
11013	259.00	260.00	1.00	idem
11014	260.00	261.00	1.00	idem
11015	261.00	262.00	1.00	very strongly calcitic
11016	262.00	263.00	1.00	idem

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11017	263.00	264.00	1.00	5% carb. veinlets 60CAX; tr-3% pyrite pyrrhotite
11018	264.00	265.00	1.00	50% brecciated carbonate fragments
11019	265.00	266.00	1.00	idem
11020	266.00	267.30	1.30	idem

LES EXPLORATIONS NORAMCO INC.

H-1435-024

11-02-1987::11:09

DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442207-1	Coordinates:	L19+15E , 22+00W MTM
Azimuth:	270 degrees	Dip:	-50 degrees	Length:	200.3 meters
Logged By:	R. Cavanagh	Casing:	Out	Elevation:	307 meters
Date Started:	Sept. 3 1987	Date Completed:	Sept. 8 1987	Date Logged:	Sept. 24 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 1 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	30.78 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-51 deg.
# 2.	121.92 m		-49 deg.
# 3.	182.88 m		-44 deg.

Purpose

Test flexure in southern syncline; NW extension of southern felsic unit intersected in 1435-014; 1435-015; possibly intersect major NW trending fault zone; and drill into weak MaxMin conductor.

Conclusions

This hole intersected sediment (wacke and siltstone); S0 and S1 at 20 cax. Fault zone: 106.4 to 107 metres 2% disseminated pyritic and pyrrhotite in the hole. There are about 1% of minor decimetric zones of folding and/or faulting.

The projection of the fault zone is located at about 18+50E and 22+00N. The weak MaxMin conductor might be explained by trace of graphite.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	30.8	OVERBURDEN		
30.8	200.3	WACKE AND SILTSTONE	Pyrrhotite (1% disseminate) Pyrite (1% disseminat) - (graphite: trac)	Grey Sericite (25%) Chlorite (3%) Carbonate (1%)
	200.3	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	30.8	OVERBURDEN												
30.8	200.3	WACKE AND SILTSTONE												
		Banded Grey to Green	11480	37.20	38.70	1.50	nil							
		Fine to Medium Grained												
		Bedding at 21 Deg. Cax.	11481	40.30	41.76	1.46	nil							
		Schistosity: S1 at 21 Deg. Cax.												
		Weakly Fractured (3 Fractures/Meter)	11482	51.40	52.40	1.00	nil							
		5% Quartz-Carbonate Veining variable -- Avg. Width mm to cm												
		Pyrrhotite: 1% disseminated	11483	63.40	64.40	1.00	nil							
		Pyrite: 1% disseminated and plated or coated												
		Chalcopyrite: trace	11484	80.40	80.90	0.50	nil							
		-: graphite: trace												
		Grey Sericite Alteration: 25%	11485	82.60	83.60	1.00	nil							
		Chlorite Alteration: 3%												
		Carbonate Alteration: 1%	11500	85.70	87.20	1.50	nil							
		Non Magnetic												
		Non Conductive	11486	92.70	93.70	1.00	nil							
		-Irregular variation consisting of 90% of laminated to thinly bedded grey siltstone and grey massive; fine to medium grained wacke and;	11487	100.90	101.90	1.00	nil							
			11488	108.10	109.60	1.50	nil							
		10% of centimetric to decimetric massive grey to yellowish green medium grained wacke.	11601	109.80	111.27	1.47	nil							
		-About 5% of the siltstone are cherty silstone.												
		-The veining contains a little pyrrhotite; pyrite and sometime trace of chalcopyrite or graphite.	11489	113.00	114.00	1.00	nil							
		-There are about 1% of minor decimetric zones of folding and/or faulting.	11490	126.00	127.50	1.50	nil							
		There is a fault indicated by grinded core or fault gouge	11491	129.50	131.00	1.50	nil							
		from about 106.4 to 107.0.	11492	131.00	132.50	1.50	nil							
		There is a couple of decimetric rusty zones or fractures between 30.78 and 95.0 metres.	11493	132.50	133.50	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11494	139.40	140.40	1.00	nil							
			11495	144.90	145.90	1.00	nil							
			11496	170.70	172.20	1.50	nil							
			11497	172.20	173.70	1.50	nil							
			11498	186.30	186.80	0.50	nil							
			11499	188.20	189.70	1.50	nil							

----------Sub Units----------

SAMPLE INTERVALS

Fire Assay Samples : 11480 to 11500 + 11601
Lithogeochem Samples: 24-01 to 24-17

200.3 END OF HOLE.

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
24-01	30.78	41.00	10.22	3																										
24-02	41.00	51.00	10.00	nil																										
24-03	51.00	61.00	10.00	nil																										
24-04	61.00	71.00	10.00	nil																										
24-05	71.00	81.00	10.00	nil																										
24-06	81.00	91.00	10.00	nil																										
24-07	91.00	101.00	10.00	nil																										
24-08	101.00	111.00	10.00	nil																										
24-09	111.00	121.00	10.00	nil																										
24-10	121.00	131.00	10.00	nil																										
24-11	131.00	141.00	10.00	3																										
24-12	141.00	151.00	10.00	nil																										
24-13	151.00	161.00	10.00	nil																										
24-14	161.00	171.00	10.00	nil																										
24-15	171.00	181.00	10.00	nil																										
24-16	181.00	191.00	10.00	2																										
24-17	191.00	200.25	9.25	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11480	37.20	38.70	1.50	10% veining
11481	40.30	41.76	1.46	3% veining
11482	51.40	52.40	1.00	10% veining
11483	63.40	64.40	1.00	15% veining
11484	80.40	80.90	0.50	60% veining
11485	82.60	83.60	1.00	15% veining
11500	85.70	87.20	1.50	Two 10cm veins
11486	92.70	93.70	1.00	20% veining
11487	100.90	101.90	1.00	one 10cm vein
11488	108.10	109.60	1.50	15% veining
11601	109.80	111.27	1.47	5% veining
11489	113.00	114.00	1.00	Bleached and pyrite
11490	126.00	127.50	1.50	20% veining
11491	129.50	131.00	1.50	15% veining
11492	131.00	132.50	1.50	10% veining
11493	132.50	133.50	1.00	20% veining
11494	139.40	140.40	1.00	15% veining
11495	144.90	145.90	1.00	20% veining

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11496	170.70	172.20	1.50	20% veining
11497	172.20	173.70	1.50	10% veining
11498	186.30	186.80	0.50	One 15cm vein
11499	188.20	189.70	1.50	10% veining

LES EXPLORATIONS NORAMCO INC.

H-1435-025

11-02-1987::10:47

DIAMOND DRILL LOG

FINAL COPY

Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442220-2	Coordinates:	50+00E , 22+50N MTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	297.8 meters
Logged By:	Benoit Ste-Marie & Regis Simard	Casing:	in: 39.6m BW; 27.4m NW	Elevation:	319 meters
Date Started:	Aug. 30 1987	Date Completed:	Sept. 03 1987	Date Logged:	Sept. 06 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Sept. 18 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	36.4 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-52 deg.
# 2.	182.88 m		-53 deg.
# 3.	243.84 m		-51 deg.

Purpose

Test mag low trend and corresponding weak IP anomaly; eastern extension of felsic sequence intercepted in 1435-12

Conclusions

This hole intersected mostly as series of gabbro intrusions and minor pillow flow felsic tuff; and 3 QFP dykes poorly mineralised.

IP anomaly can be explained by 1-2% pyrite and trace orf pyrrhotite and chalcopyrite in the gabbro.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	36.4	OVERBURDEN		
36.4	133.1	GABBRO	Pyrite (1-2% small cu) Pyrrhotite (tr-1% cluster) Chalcopyrite (trace)	Chlorite (weak-moderate) Carbonate (weak pervasiv) Sericite (locally weak) Leucoxene (locally) Epidote (patchy)
41.7	43.8	BLEACHED LAPILLI TUFF	Pyrite (1% diss. vfg) Pyrrhotite (tr-1% diss.)	Sericite (mod. pervasiv) Bleached (pervasive) Silica (pervasive wea)
53.5	54.3	BLEACHED LAPILLI TUFF	Pyrite (trace) Chalcopyrite (trace)	Yellow-Green Sericite (in the matrix) Silica (weak pervasiv) Bleached (pervasive)
58.6	74.6	GABBRO	Pyrite (tr-1% vfg dis)	Silica (mod. pervasiv) Sericite (weak pervasiv) Carbonate (mod. pervasiv) Chlorite (mod. pervasiv)
74.6	96.4	GABBRO	Pyrite (tr-1% vfg)	Silica (mod. pervasiv) Chlorite (mod. pervasiv) Carbonate (weak pervasiv)
96.4	103.5	BLEACHED CRYSTAL & LAPILLI TUFF	Pyrite (trace)	Sericite (mod. pervasiv) Bleached (pervasive) Silica (weak pervasiv)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
133.1	147.4	PILLOW FLOW	Pyrite (trace vfg dis)	Silica (weak pervasiv) Carbonate (weak pervasiv) Epidote (locally; outs)
147.5	227.2	AMYGDALOIDAL GABBRO	Pyrite (1-2% vfg clus) Pyrrhotite (trace)	Carbonate (mod. pervasiv) Chlorite (weak-mod. per) Silica (locally) Sericite (locally)
223.3	227.2	QFP DYKE	Pyrite (trace-1%)	Bleached (pervasive) Silica (weak pervasiv) Chlorite (very weak per) Epidote (very weak per)
227.2	285.4	GABBRO	Pyrite (1-2% vfg clus) Pyrrhotite (tr-1% locally) Chalcopyrite (tr; in Qtz-Ca)	Chlorite (weak-mod. per) Silica (locally) Leucoxene (locally) Carbonate (weak pervasiv)
244.7	251.6	QFP DYKE		
279.4	285.4	QFP DYKE		
285.4	297.8	INTERMEDIARY-MAFIC FLOW	Pyrite (1% clustered) Pyrrhotite (trace)	Chlorite (weak-mod. per) Leucoxene (locally)
	297.8	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	36.4	OVERBURDEN												
36.4	133.1	GABBRO												
		Mottled Light-Grey to Light-Green												
		Mafic Minerals: 50% chloritized												
		Plagioclase: 45%	11035	37.85	38.85	1.00	nil							
		Fine to Medium Grained	11036	38.85	39.90	1.05	nil							
		Massive	11037	39.90	40.75	0.85	nil							
		<1% Quartz-Carbonate Veining at 80-85 Deg. Cax. -- Avg. Width 1cm	11038	40.75	41.75	1.00	nil							
		Pyrite: 1-2% small cubes & stringers												
		Pyrrhotite: tr-1% clustered & stringers												
		Chalcopyrite: trace												
		Chlorite Alteration: weak-moderate pervasive												
		Carbonate Alteration: weak pervasive												
		Sericite Alteration: locally weak												
		Leucoxene Alteration: locally												
		Epidote Alteration: patchy												
		Weakly Magnetic												
		37.0-58.60 rare quartz eyes												
		37.15-37.40 gabbro with calcareous amygdules												
		105.40-111.90 sheared zone with 10% quartz veins												
		122.2-122.85 tuff with brecciated texture												
		124.85 vfg pyrite in a quartz vein												
		126.10-128.60 spotted gabbro												
		108.25-108.80 Quartz-Carb. vein; trace pyrite												
		----------Sub Units----------												
41.7	43.8	BLEACHED LAPILLI TUFF												
		Light-Grey to Light-Green	11039	41.75	42.80	1.05	nil							
		Rock Fragments: 75% chert-rhyolite	11040	42.80	43.80	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Matrix: 25% mostly sericite												
		Porphyritic with Phaneritic Matrix	11041	47.85	48.40	0.55	nil							
		Gneissosity at 85-90 Deg. Cax.												
		<1% Carbonate Veining at 80-85 Deg. Cax. -- Avg. Width 0.5cm	11042	50.40	51.40	1.00	nil							
		Pyrite: 1% diss. vfg												
		Pyrrhotite: tr-1% diss.	11043	51.70	52.70	1.00	nil							
		Sericite Alteration: mod. pervasive (mostly in the matrix)	11044	52.70	53.50	0.80	nil							
		Bleached Alteration: pervasive												
		Silica Alteration: pervasive weak												
		Non Magnetic												
		53.5 54.3 BLEACHED LAPILLI TUFF												
		Same as 41.70-43.80	11045	53.50	54.25	0.75	nil							
		Mottled Light-Grey to White												
		Rock Fragments: 75% chert-rhyolite	11046	57.65	58.25	0.60	nil							
		Matrix: 25%												
		Porphyritic with Phaneritic Matrix												
		Gneissosity at 90 Deg. Cax.												
		Pyrite: trace												
		Chalcopyrite: trace												
		Yellow-Green Sericite Alteration: in the matrix & along fracturing planes.												
		Silica Alteration: weak pervasive												
		Bleached Alteration: pervasive												
		Non Magnetic												
		58.6 74.6 GABBRO												
		Mottled Green to White												
		Mafic Minerals: 85% vfg; chloritized	11047	59.25	60.25	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Plagioclase: 15% mg	11048	60.25	61.10	0.85	nil							
		Very Fine Grained	11049	61.10	62.10	1.00	nil							
		Schistosity at 70-75 Deg. Cax.												
		5% Quartz-Carbonate Veining at 80 Deg. Cax. -- Avg. Width 0.5-80cm	11050	63.40	64.40	1.00	nil							
		Pyrite: tr-1% vfg diss.	11051	66.30	67.30	1.00	nil							
		Silica Alteration: mod. pervasive												
		Sericite Alteration: weak pervasive	11052	68.50	69.50	1.00	nil							
		Carbonate Alteration: mod. pervasive	11053	69.50	70.50	1.00	nil							
		Chlorite Alteration: mod. pervasive												
		Non Magnetic	11054	71.90	72.90	1.00	nil							
			11055	72.90	73.90	1.00	nil							
		rare quartz eyes												
		61.10-61.50 small sheared zone	11056	74.40	75.40	1.00	nil							
		1-2% feldspar phenocrysts												
		60.25-61.10 Qtz-Carb. vein; trace Py												
		74.6 96.4 GABBRO												
		Mottled Green to White												
		Mafic Minerals: 50% fg-mg; chloritized	11057	80.30	81.30	1.00	nil							
		Plagioclase: 50% fg-cg												
		Medium Grained	11058	84.40	85.60	1.20	nil							
		2% Quartz-Carbonate Veining variable -- Avg. Width 0.5-20cm												
		Pyrite: tr-1% vfg	11059	87.05	88.05	1.00	nil							
		Silica Alteration: mod. pervasive	11060	88.05	88.70	0.65	nil							
		Chlorite Alteration: mod. pervasive	11061	88.70	89.25	0.55	nil							
		Carbonate Alteration: weak pervasive	11062	89.25	90.15	0.90	nil							
		Non Magnetic												
			11063	93.80	94.80	1.00	nil							
		<1% blue Qtz eyes.												
		88.05-88.25: Qtz-Carb. vein.												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		89.25-90.15 bleached lapilli tuff with brecciated texture & grey sericite alteration												
		96.4 103.5 BLEACHED CRYSTAL & LAPILLI TUFF												
		Light Light-Grey to Light-Green												
		Rock Fragments: 20-25% rhyolite	11064	96.40	97.40	1.00	nil							
		Matrix: 75-80%	11065	97.40	98.40	1.00	nil							
		Porphyritic with Phaneritic Matrix	11066	98.40	99.40	1.00	nil							
		Schistosity at 75 Deg. Cax.	11067	99.40	100.40	1.00	nil							
		<1% Quartz-Carbonate Veining Variable -- Avg. Width 0.5cm	11068	100.40	101.40	1.00	nil							
		Pyrite: trace	11069	101.40	102.40	1.00	nil							
		Sericite Alteration: mod. pervasive	11070	102.40	103.55	1.15	nil							
		Bleached Alteration: pervasive												
		Silica Alteration: weak pervasive	11071	104.90	105.90	1.00	nil							
		Non Magnetic	11072	105.90	106.90	1.00	nil							
			11073	106.90	108.25	1.35	nil							
			11074	108.25	108.80	0.55	nil							
			11075	108.80	109.55	0.75	nil							
			11076	109.55	110.65	1.10	nil							
			11077	110.65	111.65	1.00	nil							
			11078	111.65	112.65	1.00	nil							
			11079	116.00	117.00	1.00	nil							
			11080	117.00	118.10	1.10	nil							
			11081	118.10	119.10	1.00	nil							
			11082	121.50	122.20	0.70	nil							
			11083	122.20	122.85	0.65	nil							
			11084	123.60	124.10	0.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11085	124.10	125.50	1.40	nil							
			11086	125.50	126.30	0.80	nil							
			11087	126.30	127.30	1.00	nil							
			11088	127.90	128.70	0.80	nil							
133.1	147.4	**PILLOW FLOW**												
		Mottled Light-Grey to White												
		Medium Grained	11089	135.20	136.20	1.00	nil							
		2% Quartz-Carbonate Veining at 65-70 Deg. Cax. -- Avg. Width 1cm	11090	136.20	137.20	1.00	nil							
		Pyrite: trace vfg diss.	11091	142.00	143.00	1.00	nil							
		Silica Alteration: weak pervasive	11092	143.00	144.00	1.00	nil							
		Carbonate Alteration: weak pervasive												
		Epidote Alteration: locally; outside of pillows												
		Non Magnetic												
		pillows of 10-20cm.												
		locally; amgydules with Qtz-Carb. filling up												
147.5	227.2	**AMYGDALOIDAL GABBRO**												
		Mottled Green to Light-Grey												
		Mafic Minerals: 80% vfg-mg; chloritized	11094	160.40	160.90	0.50	nil							
		Plagioclase: 15% fg-mg												
		Quartz: 5% fg	11095	163.50	164.10	0.60	nil							
		Fine to Medium Grained												
		3-4% Quartz-Carbonate Veining Variable -- Avg. Width 0.5cm	11096	178.10	178.80	0.70	nil							
		Pyrite: 1-2% vfg clustered & 2-3mm cubes												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Pyrrhotite: trace	11098	182.70	183.30	0.60	nil							
		Carbonate Alteration: mod. pervasive	11099	183.30	184.30	1.00	nil							
		Chlorite Alteration: weak-mod. pervasive												
		Silica Alteration: locally	11100	200.20	201.20	1.00	nil							
		Sericite Alteration: locally	11101	201.20	202.20	1.00	nil							
		Weakly Magnetic patchy	11102	202.20	203.20	1.00	nil							
			11103	203.20	204.20	1.00	nil							
		160.20-165.85 medium to coarse grained without amygdules	11104	204.20	205.20	1.00	nil							
		165.85-171.25 vfg bleached gabbro without amygdules	11105	205.20	206.20	1.00	nil							
		183.07 fault gouge	11106	206.20	207.20	1.00	nil							
		186.50-193.85 medium to coarse grained gabbro without amygdules.	11107	207.60	208.30	0.70	nil							
		193.85-201.70 vfg-fg gabbro without amygdules												
		201.70-205.85 4-5% clustered pyrite	11108	209.40	210.40	1.00	nil							
		207.70-208.30 epidote alteration zone; 2-3% pyrite cubes	11109	210.40	211.40	1.00	nil							
		221.3-223.25 medium grained gabbro with very small amygdules & leucoxene alteration	11110	211.40	212.40	1.00	nil							
			11111	212.40	213.40	1.00	nil							
			11112	213.40	214.40	1.00	nil							
			11113	214.40	215.40	1.00	nil							
			11114	216.70	217.70	1.00	nil							
			11115	217.70	218.70	1.00	nil							
			11116	221.90	222.90	1.00	nil							
			11117	222.90	223.25	0.35	nil							
		Sub Units												
223.3	227.2	QFP DYKE												
		Mottled Light-Grey to Dark-Grey	11118	223.25	224.25	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Plagioclase: 70% fg-mg	11119	224.25	225.25	1.00	nil							
		Quartz: 10-15% (1mm blue quartz eyes)	11120	225.25	226.25	1.00	nil							
		Mafic Minerals: 10-15% fg chloritized	11121	226.25	227.25	1.00	nil							
		Fine to Medium Grained												
		Pyrite: trace-1%												
		Bleached Alteration: pervasive												
		Silica Alteration: weak pervasive												
		Chlorite Alteration: very weak pervasive												
		Epidote Alteration: very weak pervasive												
		Non Magnetic												
		gradational upper & lower contacts.												
227.2	285.4	**GABBRO**												
		Mottled Light-Green to Light-Grey												
		Mafic Minerals: 60-70% fg-mg chloritized	11122	228.10	228.60	0.50	nil							
		Plagioclase: 30-35% fg-mg laths	11123	228.60	229.60	1.00	nil							
		Quartz: 5% fg	11124	229.60	230.60	1.00	nil							
		Medium Grained												
		Massive	11125	232.00	232.75	0.75	nil							
		2-3% Quartz-Carbonate Veining variable -- Avg. Width 2.0cm												
		Pyrite: 1-2% vfg clustered	11126	234.50	235.00	0.50	nil							
		Pyrrhotite: tr-1% locally												
		Chalcopyrite: tr; in Qtz-Carb. veins and with pyrrhotite.	11127	237.00	237.80	0.80	nil							
		Chlorite Alteration: weak-mod. pervasive												
		Silica Alteration: locally	11128	241.25	242.20	0.95	nil							
		Leucoxene Alteration: locally												
		Carbonate Alteration: weak pervasive	11129	244.00	244.70	0.70	nil							
		Non Magnetic												
		227.20-241.00 medium to coarse grained gabbro												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		241.00-242.25 fine grained gabbro												
		241.35-241.50 1% blue quartz eyes												
		242.25-244.70 medium to coarse grained gabbro												
		237.20-237.70 Qtz-Carb. vein 25-30 CAX												
		----------Sub Units----------												
		244.7 251.6 QFP DYKE												
		Same as 223.25-227.20	11130	244.70	245.70	1.00	nil							
			11131	245.70	246.70	1.00	nil							
		250.25-250.40 small intrusion of vfg gabbro with 2-3% Po	11132	246.70	247.70	1.00	nil							
			11133	247.70	248.70	1.00	nil							
			11134	248.70	249.70	1.00	nil							
			11135	249.70	250.70	1.00	nil							
			11136	250.70	251.65	0.95	nil							
			11137	252.30	253.30	1.00	nil							
			11138	274.60	275.10	0.50	nil							
			11139	276.10	276.60	0.50	nil							
			11140	277.00	277.50	0.50	nil							
			11141	278.10	278.60	0.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		279.4 285.4 QFP DYKE												
		Same as 223.25-227.20												
			11142	279.40	280.40	1.00	nil							
			11143	280.40	281.40	1.00	nil							
			11144	281.40	282.40	1.00	nil							
			11145	282.40	283.40	1.00	nil							
			11146	283.40	284.40	1.00	nil							
			11147	284.40	285.40	1.00	nil							
285.4	297.8	INTERMEDIARY-MAFIC FLOW												
		Mottled Grey to Light-Green												
		Mafic Minerals: 65-70% fg-mg chloritized	11148	289.80	290.80	1.00	nil							
		Plagioclase: 30-35% fg-mg	11149	290.80	291.80	1.00	nil							
		Fine to Medium Grained												
		Massive	11150	295.20	296.20	1.00	nil							
		1% Quartz-Carbonate Veining at 70-75 Deg. Cax. -- Avg. Width 0.5cm												
		Pyrite: 1% clustered & 1-2mm cubes												
		Pyrrhotite: trace												
		Chlorite Alteration: weak-mod. pervasive												
		Leucoxene Alteration: locally												
		Non Magnetic												
		Rare blue quartz eyes												
		285.40 fault gouge												
		----------Sub Units----------												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		SAMPLE INTERVALS												
		Fire Assay Samples : 11035 to 11092												
		. : 11094 to 11096												
		. : 11098 to 11150												
		Lithogeochem Samples: 25-01 to 25-33												
297.8		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
25-01	36.40	43.80	7.40	5																										
25-02	43.80	53.50	9.70	nil																										
25-08	53.50	54.30	0.80	nil																										
25-03	54.30	58.60	4.30	nil																										
25-09	58.60	66.60	8.00	nil																										
25-10	66.60	74.60	8.00	nil																										
25-11	74.60	81.90	7.30	nil																										
25-12	81.90	89.10	7.20	nil																										
25-13	89.10	96.40	7.30	nil																										
25-04	96.40	106.40	10.00	nil																										
25-05	106.40	116.40	10.00	nil																										
25-06	116.40	126.40	10.00	nil																										
25-07	126.40	133.10	6.70	nil																										
25-14	133.10	140.20	7.10	nil																										
25-15	140.20	147.40	7.20	nil																										
25-16	147.40	157.40	10.00	nil																										
25-17	157.40	167.40	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
25-18	167.40	177.40	10.00	7																										
25-19	177.40	187.40	10.00	nil																										
25-20	187.40	197.40	10.00	nil																										
25-21	197.40	207.40	10.00	nil																										
25-22	207.40	217.40	10.00	nil																										
25-23	217.40	223.30	5.90	nil																										
25-24	223.30	227.20	3.90	nil																										
25-25	227.20	236.00	8.80	nil																										
25-26	236.00	244.70	8.70	nil																										
25-30	244.70	251.60	6.90	nil																										
25-27	251.60	261.60	10.00	nil																										
25-28	261.60	268.60	7.00	nil																										
25-29	268.60	274.40	5.80	nil																										
25-31	274.40	279.40	5.00	nil																										
25-32	279.40	285.40	6.00	nil																										
25-33	285.40	297.80	12.40	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11035	37.85	38.85	1.00	Py tr-1%
11036	38.85	39.90	1.05	Py 1-2%; Po tr-1%
11037	39.90	40.75	0.85	Py tr-1%; Po tr
11038	40.75	41.75	1.00	Ankerite alteration; Py tr
11039	41.75	42.80	1.05	3cm quartz-carb. vein; Py 1-2%
11040	42.80	43.80	1.00	Py tr
11041	47.85	48.40	0.55	1cm grayish qtz-carb. vein 65-70 CAX
11042	50.40	51.40	1.00	Py tr-1%
11043	51.70	52.70	1.00	Py 1-2%
11044	52.70	53.50	0.80	Py 1%
11045	53.50	54.25	0.75	Py tr
11046	57.65	58.25	0.60	6cm qtz-carb. vein
11047	59.25	60.25	1.00	Py tr
11048	60.25	61.10	0.85	85cm qtz vein
11049	61.10	62.10	1.00	Sheared zone; Py tr
11050	63.40	64.40	1.00	Py 1-2%; clustered
11051	66.30	67.30	1.00	Py tr
11052	68.50	69.50	1.00	2cm qtz-carb. vein & epidote alteration; Py tr

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11053	69.50	70.50	1.00	<5% qtz-carb. vein; epidote alteration
11054	71.90	72.90	1.00	15% qtz-carb. vein 60-75 CAX; Py tr
11055	72.90	73.90	1.00	Py 1%
11056	74.40	75.40	1.00	Py tr-1%
11057	80.30	81.30	1.00	<5% qtz-carb. veins; Py tr
11058	84.40	85.60	1.20	Py 1-2%
11059	87.05	88.05	1.00	Py tr-1%
11060	88.05	88.70	0.65	50% qtz veins 70-85 CAX
11061	88.70	89.25	0.55	5% qtz-carb. veins epidote alteration; Py tr
11062	89.25	90.15	0.90	Lapilli tuff; brecciated texture
11063	93.80	94.80	1.00	Py tr-1%
11064	96.40	97.40	1.00	Py tr
11065	97.40	98.40	1.00	Py tr; sericite alteration
11066	98.40	99.40	1.00	Py tr
11067	99.40	100.40	1.00	Py tr
11068	100.40	101.40	1.00	Py tr
11069	101.40	102.40	1.00	Py tr
11070	102.40	103.55	1.15	Py tr

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11071	104.90	105.90	1.00	5% qtz-carb. veins; Py tr; sheared zone
11072	105.90	106.90	1.00	Py 1-2%; Po 2-3%; sheared zone
11073	106.90	108.25	1.35	5% qtz-carb. veins; sheared zone; Py 1-2%; Po tr-1%
11074	108.25	108.80	0.55	55cm qtz-carb. vein; Py 1%
11075	108.80	109.55	0.75	50 cm qtz vein; Py tr
11076	109.55	110.65	1.10	<5% qtz-carb. veins; Py tr; sheared zone
11077	110.65	111.65	1.00	<5% qtz-carb. veins; Py tr
11078	111.65	112.65	1.00	<5% qtz-carb. veins; Py tr; Po tr
11079	116.00	117.00	1.00	5% qtz-carb. veins 65-70 CAX; epidote alteration; Py tr
11080	117.00	118.10	1.10	<5% qtz-carb. veins; epidote alteration; Py tr
11081	118.10	119.10	1.00	<5% qtz-carb. veins; Py 1-2%; Cp tr
11082	121.50	122.20	0.70	2cm qtz-carb. veins; epidote alteration; Py tr
11083	122.20	122.85	0.65	Lapilli tuff: brecciated texture
11084	123.60	124.10	0.50	1-2% vfg Py in qtz-carb. vein 20-25 CAX
11085	124.10	125.50	1.40	Py tr
11086	125.50	126.30	0.80	25% qtz-carb. veins; Py tr
11087	126.30	127.30	1.00	Py tr
11088	127.90	128.70	0.80	<5% qtz-carb. veins; Hem alteration

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11089	135.20	136.20	1.00	Py tr
11090	136.20	137.20	1.00	Py tr-1%
11091	142.00	143.00	1.00	<5% qtz-carb. veins; Py tr-1%
11092	143.00	144.00	1.00	7cm qtz vein 60-65 CAX; Py tr
11094	160.40	160.90	0.50	3cm qtz-carb. veins 70-75 CAX; epidote alteration; Py tr
11095	163.50	164.10	0.60	1.5cm qtz-carb. vein 65-70 CAX
11096	178.10	178.80	0.70	4-5cm qtz-carb. vein; Py 1%
11098	182.70	183.30	0.60	fault gouge; Py tr-1%
11099	183.30	184.30	1.00	Py 1-2%; Po tr
11100	200.20	201.20	1.00	Py 1-2%; Po tr-1%
11101	201.20	202.20	1.00	Py 1-2%; Po tr
11102	202.20	203.20	1.00	Py 2-3%; Po tr
11103	203.20	204.20	1.00	Py 3-4%
11104	204.20	205.20	1.00	Py 2-3%
11105	205.20	206.20	1.00	Py 1-2%
11106	206.20	207.20	1.00	Py 1%
11107	207.60	208.30	0.70	Py 1-2%; Po tr; chlorite alteration
11108	209.40	210.40	1.00	Py 1%

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11109	210.40	211.40	1.00	Py 1-2%
11110	211.40	212.40	1.00	Py 1%
11111	212.40	213.40	1.00	Py 1-2%
11112	213.40	214.40	1.00	Py 1%
11113	214.40	215.40	1.00	Py 1%
11114	216.70	217.70	1.00	Py 1%
11115	217.70	218.70	1.00	Py 1%
11116	221.90	222.90	1.00	2% Py stringer
11117	222.90	223.25	0.35	Py tr
11118	223.25	224.25	1.00	Py tr
11119	224.25	225.25	1.00	Py tr
11120	225.25	226.25	1.00	Py tr
11121	226.25	227.25	1.00	Py tr
11122	228.10	228.60	0.50	15cm qtz-carb. vein
11123	228.60	229.60	1.00	Py 1-2%; Cp tr
11124	229.60	230.60	1.00	Py 1%; Cp tr; epidote alteration
11125	232.00	232.75	0.75	5% qtz-carb. veins; Py tr
11126	234.50	235.00	0.50	5cm qtz-carb. veins 65-70 CAX ; 1cm qtz vein 20-25 CAX

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11127	237.00	237.80	0.80	50cm qtz-carb. vein 25-30 CAX
11128	241.25	242.20	0.95	Py tr
11129	244.00	244.70	0.70	5% qtz-carb. veins; Py tr
11130	244.70	245.70	1.00	Py tr-1%
11131	245.70	246.70	1.00	Py tr
11132	246.70	247.70	1.00	Py tr
11133	247.70	248.70	1.00	Py tr
11134	248.70	249.70	1.00	Py tr
11135	249.70	250.70	1.00	Py tr
11136	250.70	251.65	0.95	Py tr
11137	252.30	253.30	1.00	5% qtz-carb. veins; Py tr
11138	274.60	275.10	0.50	2cm qtz-carb. vein 25-30 CAX
11139	276.10	276.60	0.50	3cm qtz-carb vein 65-70 CAX
11140	277.00	277.50	0.50	12cm qtz-carb. vein 60-65 CAX; Cp 1%; Po 1%; Py tr
11141	278.10	278.60	0.50	8cm qtz-carb. vein 20-25 CAX; Py tr
11142	279.40	280.40	1.00	Py tr
11143	280.40	281.40	1.00	Py tr
11144	281.40	282.40	1.00	Py tr

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11145	282.40	283.40	1.00	Py tr
11146	283.40	284.40	1.00	Py tr
11147	284.40	285.40	1.00	Py tr; fault gouge
11148	289.80	290.80	1.00	Py 1-2%
11149	290.80	291.80	1.00	Py 1-2%
11150	295.20	296.20	1.00	Py tr-1%

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H-1435-026

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	426180-2	Coordinates:	L92+00E , 15+10S MTM
Azimuth:	360 degrees	Dip:	-50 degrees	Length:	214.88 meters
Logged By:	R. Simard	Casing:	Out	Elevation:	314 meters
Date Started:	Sept. 8 1987	Date Completed:	Sept. 11 1987	Date Logged:	Sept. 27 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 1 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	15.9 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.98 m		-49 deg.
# 2.	121.92 m		-47 deg.
# 3.	182.88 m		-47 deg.
# 4.	214.88 m		-44.5 deg.

Purpose

Test Mag. low zone (EW fault; 200 gamma below background) and adjacent weak MaxMin conductor that ends abruptly at L92+00E; possible NE or NW fault.

Conclusions

The hole intersected mafic volcanic flow with pillows and massive zones.
198.25-202.7: sheared argillite or mafic tuff with two centimetric fault gouge.
The projection of the sheared zone mineralized with sulphides might coincide with the axis of the MaxMin conductor located at L92+00E and 13+00S. The Mag low is probably explained by the effects of the Mag high in the gabbro to the south.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	15.9	OVERBURDEN		
15.9	26.7	PORPHYRITIC GABBRO	Pyrite (very fine gra) Magnetite (1%)	Silica (moderate) Epidote (weak to modera)
26.7	198.3	PILLOWED BASALT	Magnetite (locally 3cm ma)	Carbonate (strongly) Chlorite (moderate) Epidote (patchy weak)
130.0	198.3	MASSIVE FLOWS; MINOR PILLOW BASALT		Carbonate (moderate to st) Epidote (patchy) Chlorite (weak to modera)
198.3	202.7	SHEARED ARGILLITE OR MAFIC TUFF	Chlorite (3-5% stringers) Pyrrhotite (1-2% stringers)	Carbonate (strongly) Sericite (moderate)
202.7	214.9	MASSIVE BASALT	Magnetite (<1%; 1mm cubes)	Carbonate (strongly 202.7) Chlorite (moderate)
	214.9	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	15.9	OVERBURDEN												
15.9	26.7	PORPHYRITIC GABBRO Dark Brown to Green Plagioclase: 1%; 2-5mm Fine Grained Massive Weakly Fractured (3 Fractures/Meter) 1% Quartz-Carbonate Veining at 50 Deg. Cax. -- Avg. Width 5mm Pyrite: very fine grained and 1mm cubes Magnetite: 1% Silica Alteration: moderate Epidote Alteration: weak to moderate Weakly Magnetic Darker downhole.												
26.7	198.3	PILLOWED BASALT Light Green Schistosity at 60 Deg. Cax. 3% Carbonate Veining at 60 Deg. Cax. -- Avg. Width 5mm Pyrite: trace; associated with carbonate veinlets Magnetite: locally 3cm massive to semi-massive bands; <1% Carbonate Alteration: strongly Chlorite Alteration: moderate Epidote Alteration: patchy weak Weakly Magnetic ; patchy -Pillow of 5 to 40cm; average 20cm. -Locally some centimetric magnetite-carbonate bands at 60 cax; <1%; in creasing with the depth.	11382	28.20	29.20	1.00	nil						
			11383	32.30	32.50	0.20	nil						
			11384	36.40	36.70	0.30	nil						
			11385	40.50	40.80	0.30	nil						
			11386	44.60	44.90	0.30	nil						
			11387	48.00	48.70	0.70	nil						
			11388	57.40	58.00	0.60	nil						

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		82.4-82.52: Black silicified dyke; sharp irregular contact												
		109.9-110.1: Same as above.	12036	59.00	59.50	0.50	nil							
			11389	74.20	75.20	1.00	nil							
			11390	81.50	83.00	1.50	nil							
			11391	90.60	91.10	0.50	nil							
			11392	94.00	94.40	0.40	nil							
			11393	96.00	96.30	0.30	nil							
			11394	98.00	98.20	0.20	nil							
			11395	109.80	110.30	0.50	nil							
			11396	110.30	111.50	1.20	nil							
			11397	122.20	122.50	0.30	nil							
			11398	123.00	123.30	0.30	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		----------Sub Units----------												
		130.0 198.3 MASSIVE FLOWS; MINOR PILLOW BASALT												
		Dark Green Massive Pyrite: trace Carbonate Alteration: moderate to strongly pervasive Epidote Alteration: patchy Chlorite Alteration: weak to moderate Weakly Magnetic ;patchy	12034	134.90	135.40	0.50	nil							
			11399	147.30	147.70	0.40	nil							
			11400	159.30	160.20	0.90	nil							
			12017	163.30	163.60	0.30	nil							
		173.4-174.0: Quartz-carbonate-chlorite vein 177.04-177.36: Same as above 184.0-198.25: 5% quartz-carbonate veins and more schistose and carbonatized zones.	12018	172.70	174.10	1.40	nil							
			12019	177.00	177.40	0.40	nil							
			12020	184.00	185.50	1.50	nil							
			12021	185.50	186.40	0.90	nil							
			12022	186.80	187.10	0.30	nil							
			12023	188.50	189.20	0.70	nil							
			12024	190.40	191.10	0.70	nil							
			12025	193.40	194.10	0.70	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			12035	194.70	195.30	0.60	nil							
			12026	197.50	198.50	1.00	nil							
198.3	202.7	SHEARED ARGILLITE OR MAFIC TUFF												
		Dark Black	12027	198.50	199.50	1.00	nil							
		Schistosity: S1 at 70 Deg. Cax.	12028	199.50	200.50	1.00	nil							
		Schistosity: S2 at 120 Deg. Cax.	12029	200.50	201.50	1.00	nil							
		Moderately Fractured (10 Fractures/Meter)	12030	201.50	202.50	1.00	nil							
		1% Quartz-Carbonate Veining irregular -- Avg. Width 5mm	12031	202.50	203.00	0.50	nil							
		: 3-5% stringers												
		Pyrrhotite: 1-2% stringers												
		Magnetite: tr-1%												
		Carbonate Alteration: strongly												
		Sericite Alteration: moderate												
		Non Magnetic												
		Strongly sheared zone												
		199.35: Fault gouge; 10cm												
		201.3: Fault gouge; 10cm												
		202.7: Sharp contact at 70 cax.												
		Graded bedding with stratigraphic tops downhole (?); centimetric beds; 10cm.												
202.7	214.9	MASSIVE BASALT												
		Dark Green												
		Schistosity at 60 Deg. Cax.	12032	204.50	206.00	1.50	nil							
		60% Quartz-Carbonate Veining at 60% Deg. Cax. -- Avg. Width												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		1cm	12033	214.00	214.50	0.50	nil							
		Pyrite: trace; very fine grained-1mm cubes												
		Magnetite: <1%; 1mm cubes associated with carbonate veins												
		Carbonate Alteration: strongly 202.7-208.0												
		Chlorite Alteration: moderate												
		Weakly Magnetic												
		208.0-214.88: Massive zone.												
		SAMPLE INTERVALS												
		Fire Assay Samples : 11382 to 11400 / 12017 to 12036												
		Lithogeochem Samples : 26-01 to 26-23												
214.9		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
26-01	15.90	20.00	4.10	nil																										
26-02	20.00	26.66	6.66	nil																										
26-03	26.66	35.00	8.34	nil																										
26-04	35.00	45.00	10.00	3																										
26-05	45.00	55.00	10.00	nil																										
26-06	55.00	65.00	10.00	2																										
26-07	65.00	75.00	10.00	nil																										
26-08	75.00	85.00	10.00	nil																										
26-09	85.00	95.00	10.00	1																										
26-10	95.00	105.00	10.00	1																										
26-11	105.00	115.00	10.00	6																										
26-12	115.00	125.00	10.00	nil																										
26-13	125.00	135.00	10.00	51																										
26-14	135.00	145.00	10.00	nil																										
26-15	145.00	155.00	10.00	nil																										
26-16	155.00	165.00	10.00	nil																										
26-17	165.00	175.00	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
26-18	175.00	185.00	10.00	nil																										
26-19	185.00	191.00	6.00	nil																										
26-20	191.00	198.25	7.25	nil																										
26-21	198.25	202.70	4.45	nil																										
26-22	202.70	210.00	7.30	nil																										
26-23	210.00	214.88	4.88	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11382	28.20	29.20	1.00	10% quartz veins
11383	32.30	32.50	0.20	20% mt band
11384	36.40	36.70	0.30	10% carbonate-mt band
11385	40.50	40.80	0.30	15% carbonate vein; 5% pyrite
11386	44.60	44.90	0.30	15% carbonate-mt vein; 5% pyrite
11387	48.00	48.70	0.70	15% carbonate veins
11388	57.40	58.00	0.60	20% carbonate-chlorite vein
12036	59.00	59.50	0.50	carbonate vein and calcite; trace of chalcopyrite
11389	74.20	75.20	1.00	30% quartz-carbonate veins
11390	81.50	83.00	1.50	5% carbonate veins; 5% silicified
11391	90.60	91.10	0.50	5% quartz-carbonate veins; 20 cax.
11392	94.00	94.40	0.40	20% quartz-carbonate vein
11393	96.00	96.30	0.30	20% quartz-carbonate vein
11394	98.00	98.20	0.20	20% black silicified dyke
11395	109.80	110.30	0.50	70% black silicified dyke
11396	110.30	111.50	1.20	5% quartz-carbonate veins
11397	122.20	122.50	0.30	40% quartz-carbonate vein
11398	123.00	123.30	0.30	20% quartz-carbonate vein

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
12034	134.90	135.40	0.50	50% carbonate-epidote vein
11399	147.30	147.70	0.40	epidote alteration
11400	159.30	160.20	0.90	30% carbonate-epidote veins
12017	163.30	163.60	0.30	40% carbonate vein
12018	172.70	174.10	1.40	50% quartz-carbonate veins
12019	177.00	177.40	0.40	80% quartz-carbonate vein
12020	184.00	185.50	1.50	30% carbonate veins; schistosed zone
12021	185.50	186.40	0.90	40% carbonate stringers
12022	186.80	187.10	0.30	50% quartz-carbonate vein
12023	188.50	189.20	0.70	20% quartz-carbonate-chlorite vein
12024	190.40	191.10	0.70	30% quartz-carbonate veins
12025	193.40	194.10	0.70	60% quartz-carbonate-chlorite vein
12035	194.70	195.30	0.60	20% carbonate veins
12026	197.50	198.50	1.00	Carbonatized schistosed basalt
12027	198.50	199.50	1.00	Argillite or mafic tuff; fault gouge
12028	199.50	200.50	1.00	argillite or mafic tuff; 5% pyrite
12029	200.50	201.50	1.00	argillite or mafic tuff; 5% pyrite fault gouge
12030	201.50	202.50	1.00	argillite or mafic tuff; 5% pyrite; 1% pyrrhotite

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
12031	202.50	203.00	0.50	argillite or mafic tuff; 5% pyrite/basalt
12032	204.50	206.00	1.50	carbonatized basalt; 10% carbonate veins
12033	214.00	214.50	0.50	10% carbonate-mt vein

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H-1435-027

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	426312-2	Coordinates:	L50+50E , 14+50S MTM
Azimuth:	333 degrees	Dip:	-50 degrees	Length:	236.83 meters
Logged By:	R. Cavanagh	Casing:	In 90'BW/110'NW	Elevation:	309 meters
Date Started:	Sept. 10 1987	Date Completed:	Sept. 15 1987	Date Logged:	Sept. 26 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 2 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	46.02 meters				

Tropari Tests

	Depth	Azimuth	Dip
# 1.	60.98 m		-55 deg.
# 2.	151.92 m		-54 deg.
# 3.	182.88 m		-50 deg.
# 4.	231.83 m		-49 deg.

Purpose

Test several weak IP anomalies and top of felsic unit in contact with sediments; possible nose of fold closure; follow-up of 1435-016 1.8 g/t over 1 meter in pyritic felsic tuff.

Conclusions

Intermediate to felsic lapilli tuff slightly schistosed with disseminated very fine needles of tourmaline in upper zone. Weak IP conductors and Mag high are not explained.
Folding and/or a second schistosity is highly probably in the lower zone.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	46.0	OVERBURDEN		
46.0	119.0	SCHISTOSE FELSIC LAPILLI TUFF	Pyrite (1% disseminate)	Sericite (10%) Carbonate (5%) Chlorite (1%)
119.0	179.9	SCHISTOSE INTERMEDIATE LAPILLI TUFF	Pyrite (1-2% dissemina) Pyrrhotite (0-1%)	Carbonate (15%) Chlorite (5%) Sericite (1%)
179.9	236.8	SCHISTOSE FELSIC LAPILLI TUFF	Pyrite (1% disseminate)	Carbonate (3%) Sericite (5%)
209.8	231.3	SCHISTOSED FELSIC LAPILLI TUFF	Pyrite (1%)	Carbonate (30%) Sericite (5%) Leucoxene (1%)
231.3	236.8	SCHISTOSED FELSIC LAPILLI TUFF		Yellow-Green Sericite (5%) Silica (10%) Carbonate (2%)
236.8		END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	46.0	OVERBURDEN												
46.0	119.0	SCHISTOSE FELSIC LAPILLI TUFF												
		Light Grey	11501	49.70	51.20	1.50	nil							
		Rock Fragments: 60%	11502	51.20	52.70	1.50	nil							
		Matrix: 40%												
		Schistosity: S1 at 61 Deg. Cax.	11503	57.00	58.50	1.50	nil							
		Weakly Fractured (6 Fractures/Meter)												
		2% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11504	64.40	65.90	1.50	nil							
		Pyrite: 1% disseminated												
		Tourmaline: trace (needles)	11505	68.68	69.40	0.72	nil							
		Sericite Alteration: 10%												
		Carbonate Alteration: 5%	11506	70.90	71.50	0.60	nil							
		Chlorite Alteration: 1%												
		Non Magnetic	11507	72.50	74.00	1.50	nil							
		Non Conductive												
			11508	86.00	87.50	1.50	nil							
		Grayish lapilli tuff consists of about 60% of diffused elongated centimetric and occasionally decimetric feldspar	11509	91.20	92.20	1.00	nil							
		and/quartz porphyry fragments in a weak to moderate sericitized fine to medium grained grayish matrix	11510	101.80	103.30	1.50	nil							
		sometimes containing about 1% dark grey to dark green flatten chlorite clots (?)	11511	105.20	106.70	1.50	nil							
		less than 2mm. There is also about 10% of greenish to green diffuse decimetric to metric zones of banded	11512	109.66	111.16	1.50	nil							
		chloritized and carbonatized fine to medium grained intermediate tuff to	11513	115.53	117.03	1.50	nil							
		lapilli tuff containing disseminated pyrite up to 1cm. Some of the veining at high angle to the schistosity are microfolded.												
		The pyrite is disseminated and usually less than 1mm. The tourmaline occurs as fine needles less than 2mm long in the more schistosed or sericitized felsic matrix. There												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		is grey green massive medium grained chloritized and carbonatized intermediate dyke or tuff from 68.80-69.3.												
119.0	179.9	SCHISTOSE INTERMEDIATE LAPILLI TUFF												
		Banded Green to Grey												
		Rock Fragments: 40%	11514	130.02	131.20	1.18	nil							
		Matrix: 60%												
		Schistosity: S1 at 65-75 Deg. Cax.	11515	134.20	135.20	1.00	nil							
		Weakly Fractured (4 Fractures/Meter)												
		1% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11516	156.63	157.63	1.00	nil							
		Pyrite: 1-2% disseminated												
		Pyrrhotite: 0-1%	11517	174.37	175.87	1.50	nil							
		Carbonate Alteration: 15%	11518	175.87	176.50	0.63	nil							
		Chlorite Alteration: 5%												
		Sericite Alteration: 1%												
		Non Magnetic to very Weak												
		Non Conductive												
		40% elongated to schistosed or slightly sericitized millimetric to centimetric diffused grayish quartz-feldspar porphyry and felsic tuff fragments in a fine to medium grained yellowish to green carbonatized and chloritized matrix.												
		There are a few decimetric to metric grayish-green massive medium grained chloritized and carbonatized intermediate tuff or dykes with their contacts subparallel to the schistosity from 134.9-135.0; 135.9-136.2; 136.4-137.5; 140.1-142.2; 164.7-165.0; 173.3-173.85.												
		There is a band of grayish schistosed felsic lapilli tuff from 173.95-176.4 with trace of pyrite; sericitized and												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		weakly carbonatized.												
179.9	236.8	SCHISTOSE FELSIC LAPILLI TUFF Geochimie = V2												
		Rock Fragments: 20-50%												
		Matrix: :50-80%	11519	182.50	183.50	1.00	nil							
		Schistosity: S1 at 62-70 Deg. Cax.												
		Weakly Fractured (5 Fractures/Meter)	11520	188.00	189.00	1.00	nil							
		1% Quartz-Carbonate Veining variable -- Avg. Width mm												
		Pyrite: 1% disseminated	11521	202.70	203.00	0.30	nil							
		Tourmaline: trace												
		Carbonate Alteration: 3%												
		Sericite Alteration: 5%												
		Non Magnetic												
		Non Conductive												
		20-50% elongated and diffuse millimetric to centimetric grayish quartz-feldspar porphyry fragments in a grayish slightly sericitized and schistosed fine to medium grained matrix.												
		There is a yellowish green to grayish banded zone consisting of carbonatized and chloritized intermediate lapilli tuff with felsic fragment from 200.0-200.8												
		There are two intermediate massive tuffs or dykes from 188.4-188.9 and from 194.2-194.3.												
		----------Sub Units----------												
		209.8 231.3 SCHISTOSED FELSIC LAPILLI TUFF Geochimie V2 Ø R												
		Banded Grey to Light												
		Rock Fragments: 40-60%	11522	222.70	223.00	0.30	nil							
		Matrix: 40-60%												
		Schistosity: S1 at 62-70 Deg. Cax.	11523	228.30	228.60	0.30	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Schistosity: S2 at 13 Deg. Cax.												
		Weakly Fractured (4 Fractures/Meter)												
		Pyrite: 1%												
		Pyrrhotite: trace												
		Carbonate Alteration: 30%												
		Sericite Alteration: 5%												
		Leucoxene Alteration: 1%												
		Non Magnetic												
		Non Conductive												

Diffused millimetric to centimetric schistose grayish felsic tuff and/or quartz-feldspar porphyry fragments in a grey carbonatized and schistosed fine grained matrix.
There is a couple kink bands at high angle to the schistosity and at about 13 degree to cax between 220.0-221.5.
The pyrite is fine grained and disseminated.
There is a breccia or cemented fault zone with 50% fine and centimetric pyrite and 50% calcite between 222.8-222.9.
Some pyrite grains are rusty.

231.3 236.8 SCHISTOSED FELSIC LAPILLI TUFF Géochimie = V2

Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)
Light White to Yellow					
Rock Fragments: 60%	11524	234.00	235.00	1.00	nil
Matrix: 40%					
Schistosity: S1 at 71 Deg. Cax.	11525	235.33	236.83	1.50	nil
Weakly Fractured (4 Fractures/Meter)					
1% Quartz Veining variable -- Avg. Width mm					
Pyrite: trace					
Pyrrhotite: trace					
Yellow-Green Sericite Alteration: 5%					
Silica Alteration: 10%					

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Carbonate Alteration: 2% Non Magnetic Non Conductive The fragments consist of quartz and of quartz-feldspar porphyry millimetric to centimetric elongated schistosed fragments. There is a couple of millimetric blue quartz fragments. The pyrite and pyrrhotite are very fine grains disseminated. There is one 5mm semi-massive vein of pyrrhotite-pyrite-calcite at 82 cax and at low angle to the schistosity at 234.4m. SAMPLE INTERVALS Fire Assay Samples : 11501 to 11525 Lithogeochem Samples : 27-01 to 27-20												
236.8		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
27-01	46.02	56.00	9.98	nil																										
27-02	56.00	66.00	10.00	4																										
27-03	66.00	76.00	10.00	nil																										
27-04	76.00	86.00	10.00	nil																										
27-05	86.00	96.00	10.00	nil																										
27-06	96.00	106.00	10.00	nil																										
27-07	106.00	113.00	7.00	nil																										
27-08	113.00	119.00	6.00	nil																										
27-09	119.00	129.00	10.00	nil																										
27-10	129.00	139.00	10.00	nil																										
27-11	139.00	149.00	10.00	nil																										
27-12	149.00	159.00	10.00	nil																										
27-13	159.00	169.00	10.00	nil																										
27-14	169.00	179.90	10.90	nil																										
27-15	179.90	190.00	10.10	nil																										
27-16	190.00	200.00	10.00	nil																										
27-17	200.00	209.80	9.80	4																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
27-18	209.80	220.00	10.20	43																										
27-19	220.00	231.30	11.30	nil																										
27-20	231.30	236.83	5.53	nil																										

Sample No.	From (m)	To (m)	Width (m)	---------Remarks----------
11501	49.70	51.20	1.50	Sericitised; trace tourmaline
11502	51.20	52.70	1.50	1% pyrite; intermediate lapilli tuff
11503	57.00	58.50	1.50	Trace tourmaline
11504	64.40	65.90	1.50	Trace tourmaline
11505	68.68	69.40	0.72	Tuff or dyke
11506	70.90	71.50	0.60	One 15cm fragment + 1% pyrite
11507	72.50	74.00	1.50	One 2cm vein + sericitized
11508	86.00	87.50	1.50	Two 1cm vein
11509	91.20	92.20	1.00	1% tourmaline
11510	101.80	103.30	1.50	5% veining
11511	105.20	106.70	1.50	One 1cm vein + sericitized
11512	109.66	111.16	1.50	Yellowish-greenish sericite and/or silica
11513	115.53	117.03	1.50	1% tourmaline
11514	130.02	131.20	1.18	10% veining + 2% pyrite
11515	134.20	135.20	1.00	5% veining + 1% pyrite
11516	156.63	157.63	1.00	2% pyrite; 1% pyrrhotite
11517	174.37	175.87	1.50	Trace pyrite
11518	175.87	176.50	0.63	Trace pyrite

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11519	182.50	183.50	1.00	One 2cm vein with tourmaline
11520	188.00	189.00	1.00	10% vein; tourmaline; tuff and dyke (?)
11521	202.70	203.00	0.30	One 1cm vein; trace pyrite; tourmaline
11522	222.70	223.00	0.30	10% pyrite
11523	228.30	228.60	0.30	1% pyrite-pyrrhotite
11524	234.00	235.00	1.00	1% pyrite-pyrrhotite
11525	235.33	236.83	1.50	2% veining

LES EXPLORATIONS NORAMCO INC.

H-1435-028

11-11-1987::05:30

DIAMOND DRILL LOG

FINAL COPY

Property:	Vior North (P-1435)	**NTS:**	32E/2	**Township:**	Vanier
Partner:	Copperstack Resources	**Claim #:**	426310-2	**Coordinates:**	L40+70E , 8+60S MTM
Azimuth:	215 degrees	**Dip:**	-50 degrees	**Length:**	218.5 meters
Logged By:	R. Cavanagh	**Casing:**	Out	**Elevation:**	318 meters
Date Started:	Sept. 13 1987	**Date Completed:**	Sept. 16 1987	**Date Logged:**	Sept. 24 1987
Core Location:	Val d'Or (Quebec)	**Samples Shipped:**	Oct. 8 1987	**Drill Company:**	Les Forages Foranord Inc.
Overburden:	39 meters				

Tropari/Dip Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-53.5 deg.
# 2.	121.92 m		-54 deg.
# 3.	182.88 m		-55 deg.

Purpose

Test isolated magnetic high plug within felsic volcanic unit near contact with overlying sediments; near nose of fold closure; test weak IP anomaly the felsic volcanic/sediments contact.

Conclusions

très peu probable (à analyser)

Intersected intermediate lapilli-tuff subparallel to the schistosity with 1% very fine grained sphalerite in millemetric disseminated aggregates which might explain the weak PP conductor at about 40+50E and 9+00S.
The Mag. high is not explained partially due to the drilling along the dip.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	39.0	OVERBURDEN		
39.0	218.5	SCHISTOSE FELSIC TO INTERMEDIATE TUFF	Sphalerite (1%) Pyrite (trace dissemin)	Chlorite (7%) Carbonate (5% pervasive) Silica (3% pervasive) Yellow-Green Sericite (3%) Biotite (1%)
120.7	125.8	MAFIC DYKE		Green Mica (1% disseminate) Carbonate (5%)
140.8	142.7	MAFIC DYKE		Chlorite (3%) Carbonate (5%)
218.5		END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	39.0	OVERBURDEN												
39.0	218.5	SCHISTOSE FELSIC TO INTERMEDIATE TUFF												
		Mottled Light to Green	11401	39.00	40.50	1.50	nil							
		Matrix: 70%												
		Rock Fragments: 20%	11402	45.60	46.65	1.05	nil							
		Plagioclase: 10%												
		Bedding 0-15	11403	51.40	52.90	1.50	nil							
		Schistosity: S1 at 15 Deg. Cax.	11404	52.90	54.20	1.30	nil							
		Weakly Fractured (2 Fractures/Meter)	11405	54.20	56.30	2.10	nil							
		3% Quartz-Carbonate Veining variable -- Avg. Width mm to dm	11406	56.30	57.80	1.50	nil							
		Sphalerite: 1%	11407	57.80	59.30	1.50	nil							
		Pyrite: trace disseminated	11408	59.30	60.30	1.00	nil							
		Chlorite Alteration: 7%												
		Carbonate Alteration: 5% pervasive	11409	62.75	63.80	1.05	nil							
		Silica Alteration: 3% pervasive												
		Yellow-Green Sericite Alteration: 3%	11410	66.14	67.64	1.50	nil							
		Biotite Alteration: 1%												
		Non Magnetic	11411	69.18	70.68	1.50	nil							
		Non Conductive	11412	70.68	72.18	1.50	nil							
			11413	72.18	73.18	1.00	nil							
		Irregular and diffuse metric to decimetric variation of beige millimetric plagioclase greenish crystal tuff and of green lithic greenish tuff. The crystal tuff consists of less than 20% diffuse millimetric beige to greenish plagioclase	11414	81.30	82.30	1.00	nil							
			11415	88.10	89.60	1.50	nil							
			11416	89.60	90.90	1.30	nil							
		in a slightly schistose green to greenish matrix and constitutes about 20% of the hole. The lithic tuff consists of 5-15% elongated millimetric yellowish green to dark green glassy to very fine grained volcanic fragments in a schistose	11417	95.00	96.30	1.30	nil							
			11418	96.30	97.50	1.20	nil	nil		70				
			11419	100.50	102.00	1.50	nil							
		green to greenish matrix and constitutes about 20% of the hole. The lithic tuff consists of 5-15% elongated	11420	103.90	105.40	1.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		millimetric yellowish green to dark green glassy to very fine grained volcanic fragments in a schistose greenish fine grained matrix. There is about 1% millimetric fine grained aggregates of red-brown sphalerite disseminated through the rock and sometimes in the veining. There are about 10% of metric silicified bleached and sometime microveinulated greenish restricted to the lithic tuff from about 81.3-82.6; 90.0-91.0; 94.8-96.3; 151.8-166.5; 190.9-196.8 and 199.0-201.0. There is a white quartz-calcite vein with 5% wallrock fragments from 157.8-159.1.	11421	105.40	106.90	1.50	nil							
			11422	106.90	108.30	1.40	nil							
		800 Lame Mince : Dac. P.F.												
		94,5 " " : Dac P.F.												
		----------Sub Units----------												
		120.7 125.8 MAFIC DYKE												
		Dark Green												
		Amphiboles: 90%	11423	122.40	123.90	1.50	nil							
		Matrix: 10%	11424	123.90	124.80	0.90	nil							
		Fine to Medium Grained	11425	124.80	125.80	1.00	nil							
		Massive	11426	125.80	127.24	1.44	nil							
		Upper Contact at 18 Deg. Cax.	11427	127.24	128.74	1.50	nil							
		Weakly Fractured (5 Fractures/Meter)	11428	128.74	130.20	1.46	nil							
		3% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11429	130.20	131.40	1.20	nil							
		Green Mica Alteration: 1% disseminated	11430	131.40	133.00	1.60	nil							
		Carbonate Alteration: 5%	11431	133.00	134.50	1.50	nil							
		Non Magnetic	11432	134.50	136.00	1.50	nil	nil		70				
		Non Conductive	11433	136.00	137.50	1.50	nil							
			11434	137.50	139.00	1.50	nil							
		Broken core at lower contact.	11435	139.00	140.40	1.40	nil							
			11436	140.40	140.80	0.40	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		140.8 142.7 MAFIC DYKE												
		Dark Green	11437	140.80	141.80	1.00	nil							
		Amphiboles: 90%												
		Plagioclase: 5%	11438	148.94	150.44	1.50	nil							
		Matrix: 5%	11439	150.44	151.94	1.50	nil							
		Fine to Medium Grained	11440	151.94	153.47	1.53	nil							
		Massive	11441	153.47	154.97	1.50	nil							
		Contacts at 14 Deg. Cax.	11442	154.97	156.47	1.50	nil							
		Weakly Fractured (4 Fractures/Meter)	11443	156.47	157.90	1.43	nil							
		2% Quartz-Carbonate Veining variable -- Avg. Width mm	11444	157.90	159.03	1.13	nil							
		Chlorite Alteration: 3%	11445	159.03	160.53	1.50	nil							
		Carbonate Alteration: 5%	11446	160.53	162.01	1.48	nil							
		Non Magnetic	11447	162.01	163.51	1.50	nil							
		Non Conductive	11448	163.51	165.00	1.49	nil							
			11449	165.00	166.50	1.50	nil							
		SAMPLE INTERVALS												
		Fire Assay Samples : 11401 to 11479	11450	167.93	169.43	1.50	nil							
		Lithogeochem Samples : 28-01 to 28-20	11451	169.43	170.93	1.50	nil							
			11452	172.42	173.92	1.50	nil							
			11453	173.92	175.42	1.50	nil							
			11454	175.42	176.86	1.44	nil							
			11455	176.86	178.36	1.50	nil							
			11456	178.36	179.86	1.50	nil							
			11457	182.80	184.30	1.50	nil							
			11458	184.30	185.80	1.50	nil							
			11459	185.80	186.80	1.00	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
			11460	190.10	191.55	1.45	nil							
			11461	191.55	193.00	1.45	nil							
			11462	193.00	194.50	1.50	nil							
			11463	194.50	196.00	1.50	nil							
			11464	196.00	197.50	1.50	nil							
			11465	197.50	199.00	1.50	nil							
			11466	199.00	200.50	1.50	nil							
			11467	200.50	201.90	1.40	nil							
			11468	201.90	203.21	1.31	nil							
			11469	203.21	204.70	1.49	nil							
			11470	204.70	206.10	1.40	nil							
			11471	206.10	207.41	1.31	nil							
			11472	207.41	208.91	1.50	nil							
			11473	208.91	210.40	1.49	nil							
			11474	210.40	211.60	1.20	nil							
			11475	211.60	213.00	1.40	nil							
			11476	214.50	215.54	1.04	nil							
			11477	215.54	217.04	1.50	nil							
			11478	217.04	218.54	1.50	nil							
218.5		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
28-01	39.00	49.00	10.00	nil																										
28-02	49.00	59.00	10.00	nil																										
28-03	59.00	69.00	10.00	nil																										
28-04	69.00	79.00	10.00	nil																										
28-05	79.00	89.00	10.00	nil																										
28-06	89.00	99.00	10.00	nil																										
28-07	99.00	109.00	10.00	nil																										
28-08	109.00	120.70	11.70	nil																										
28-09	120.70	125.80	5.10	nil																										
28-10	125.80	135.00	9.20	nil																										
28-11	135.00	140.80	5.80	nil																										
28-12	140.80	142.70	1.90	nil																										
28-13	142.70	153.00	10.30	nil																										
28-14	153.00	163.00	10.00	nil																										
28-15	163.00	173.00	10.00	nil																										
28-16	173.00	183.00	10.00	nil																										
28-17	183.00	193.00	10.00	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
28-18	193.00	203.00	10.00	nil																										
28-19	203.00	213.00	10.00	nil																										
28-20	213.00	218.54	5.54	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11401	39.00	40.50	1.50	1% veining
11402	45.60	46.65	1.05	One 20cm vein
11403	51.40	52.90	1.50	5% veining
11404	52.90	54.20	1.30	3% veining
11405	54.20	56.30	2.10	3% veining
11406	56.30	57.80	1.50	1% veining
11407	57.80	59.30	1.50	One 10cm vein
11408	59.30	60.30	1.00	2% veining
11409	62.75	63.80	1.05	2% veining
11410	66.14	67.64	1.50	1% veining
11411	69.18	70.68	1.50	1% veining
11412	70.68	72.18	1.50	2% veining
11413	72.18	73.18	1.00	1% veining
11414	81.30	82.30	1.00	1% veining
11415	88.10	89.60	1.50	2% veining
11416	89.60	90.90	1.30	2% veining
11417	95.00	96.30	1.30	7% veining
11418	96.30	97.50	1.20	Ag-Au-Zn assays: three 1cm veins

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11419	100.50	102.00	1.50	4% veining
11420	103.90	105.40	1.50	5% veining
11421	105.40	106.90	1.50	5% veining
11422	106.90	108.30	1.40	5% veining
11423	122.40	123.90	1.50	Trace fuchsite; mafic dyke
11424	123.90	124.80	0.90	Mafic dyke
11425	124.80	125.80	1.00	Mafic dyke
11426	125.80	127.24	1.44	Tuff; 7% veining
11427	127.24	128.74	1.50	8% veining
11428	128.74	130.20	1.46	3% veining
11429	130.20	131.40	1.20	3% veining
11430	131.40	133.00	1.60	5% veining
11431	133.00	134.50	1.50	5% veining
11432	134.50	136.00	1.50	Ag-Au-Zn assay; 3% veining
11433	136.00	137.50	1.50	3% veining
11434	137.50	139.00	1.50	2% veining
11435	139.00	140.40	1.40	Trace pyrite
11436	140.40	140.80	0.40	1% veining

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11437	140.80	141.80	1.00	Mafic dyke
11438	148.94	150.44	1.50	2% veining
11439	150.44	151.94	1.50	1% veining
11440	151.94	153.47	1.53	Silicified and bleached
11441	153.47	154.97	1.50	Bleached + 2% veining
11442	154.97	156.47	1.50	Bleached
11443	156.47	157.90	1.43	5% veining
11444	157.90	159.03	1.13	Trace pyrite - 90% veining
11445	159.03	160.53	1.50	Bleached + 5% veining
11446	160.53	162.01	1.48	Bleached
11447	162.01	163.51	1.50	Bleached
11448	163.51	165.00	1.49	Bleached + 3% veining
11449	165.00	166.50	1.50	2% veining
11450	167.93	169.43	1.50	5% veining
11451	169.43	170.93	1.50	2% veining
11452	172.42	173.92	1.50	1% veining
11453	173.92	175.42	1.50	2% veining
11454	175.42	176.86	1.44	3% veining

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
11455	176.86	178.36	1.50	1% veining
11456	178.36	179.86	1.50	2% veining
11457	182.80	184.30	1.50	2% veining
11458	184.30	185.80	1.50	6% veining
11459	185.80	186.80	1.00	1% veining
11460	190.10	191.55	1.45	Bleached
11461	191.55	193.00	1.45	Bleached + 5% veining
11462	193.00	194.50	1.50	Bleached + 5% veining
11463	194.50	196.00	1.50	5% veining
11464	196.00	197.50	1.50	1% veining
11465	197.50	199.00	1.50	One 0.4m vein
11466	199.00	200.50	1.50	Bleached
11467	200.50	201.90	1.40	Bleached + 7% veining
11468	201.90	203.21	1.31	15% veining
11469	203.21	204.70	1.49	10% veining
11470	204.70	206.10	1.40	Tuff
11471	206.10	207.41	1.31	1% veining
11472	207.41	208.91	1.50	1% veining

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11473	208.91	210.40	1.49	1% veining
11474	210.40	211.60	1.20	2% veining
11475	211.60	213.00	1.40	1% veining
11476	214.50	215.54	1.04	Trace of pyrite and broken core
11477	215.54	217.04	1.50	Trace of pyrite + 2% pyrite
11478	217.04	218.54	1.50	2% veining
28-01	39.00	49.00	10.00	Schistose felsic to intermediate tuff
28-02	49.00	59.00	10.00	Schistose felsic to intermediate tuff
28-03	59.00	69.00	10.00	Schistose felsic to intermediate tuff
28-04	69.00	79.00	10.00	Mafic dyke
28-05	79.00	89.00	10.00	Mafic dyke
28-06	89.00	99.00	10.00	Mafic dyke
28-07	99.00	109.00	10.00	Mafic dyke
28-08	109.00	120.70	11.70	Mafic dyke
28-09	120.70	125.80	5.10	Mafic dyke
28-10	125.80	135.00	9.20	Mafic dyke
28-11	135.00	140.80	5.80	Mafic dyke
28-12	140.80	142.70	1.90	Mafic dyke

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
28-13	142.70	153.00	10.30	Mafic dyke
28-14	153.00	163.00	10.00	Mafic dyke
28-15	163.00	173.00	10.00	Mafic dyke
28-16	173.00	183.00	10.00	Mafic dyke
28-17	183.00	193.00	10.00	Mafic dyke
28-18	193.00	203.00	10.00	Mafic dyke
28-19	203.00	213.00	10.00	Mafic dyke
28-20	213.00	218.54	5.54	Mafic dyke

LES EXPLORATIONS NORAMCO INC.

H-1435-029A

11-11-1987::05:36

DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442214-1	Coordinates:	L39+60E , 0+25W MTM
Azimuth:	344 degrees	Dip:	-50 degrees	Length:	89.9 meters
Logged By:	R. Cavanagh	Casing:	In 280'B.Q.	Elevation:	312 meters
Date Started:	Sept. 15 1987	Date Completed:	Sept. 16 1987	Date Logged:	Sept. 28 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 10 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	21.9 meters				

Purpose

Possible exhalitive horizon near top of mafic volcanic sequence (possibly near mafic/felsic contact) which is offset by major NE fault.

Conclusions

Abandoned at 89.9m because of infiltration of till between the casing shoe bit and the bedrock (?). Massive mafic volcanic and minor tuff pervasively schistosed with trace of disseminated tourmaline.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	21.9	OVERBURDEN		
21.9	89.9	MAFIC VOLCANIC AND MINOR TUFF	Pyrite (2% pervasive) Magnetite (1% pervasive) Tourmaline (trace pervasiv)	Carbonate (30%) Chlorite (30%) Sericite (5%) Epidote (3%) Leucoxene (trace beige pe)
	89.9	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	21.9	OVERBURDEN												
21.9	**89.9**	**MAFIC VOLCANIC AND MINOR TUFF**												
		Dark Green to Grey	11526	21.90	23.50	1.60	nil							
		Bedding at 60-75 Deg. Cax.	11527	23.50	23.80	0.30	nil							
		Schistosity: S1 at 60-75 Deg. Cax.	11528	23.80	25.00	1.20	nil							
		Weakly Fractured (7 Fractures/Meter)	11529	25.00	26.00	1.00	nil							
		3% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11530	26.00	27.50	1.50	nil							
		Pyrite: 2% pervasive	11531	27.50	29.00	1.50	nil							
		Magnetite: 1% pervasive	11532	29.00	30.50	1.50	nil							
		Tourmaline: trace pervasive	11533	30.50	32.00	1.50	nil							
		Carbonate Alteration: 30%	11534	32.00	33.40	1.40	nil							
		Chlorite Alteration: 30%	11535	33.40	34.90	1.50	0.020							
		Sericite Alteration: 5%	11536	34.90	36.50	1.60	nil							
		Epidote Alteration: 3%	11537	36.50	38.00	1.50	nil							
		Leucoxene Alteration: trace beige pervasive												
		Non Magnetic -VW	11538	46.80	48.30	1.50	nil							
		Non Conductive	11539	48.30	49.80	1.50	nil							
			11540	49.80	51.30	1.50	nil							
		Irregular variation of decimetric to decametric very fine	11541	51.30	52.80	1.50	nil							
		to coarse grained massive and schistose or sheared mafic												
		volcanic flows with about 5% fo decimetric mafic to	11542	55.80	57.30	1.50	nil							
		intermediate tuff.	11543	57.30	58.80	1.50	nil							
		The schistose or sheared flows are from about 30.0-37.0;	11544	58.80	60.30	1.50	nil							
		50.0-53.0; 56.0-89.9.	11545	60.30	61.80	1.50	nil							
		There are about 5% of veining from21.9-30.0 including a	11546	61.80	63.20	1.40	nil							
		quartz-calcite-pyrite-magnetite vein from 23.5-23.8. The	11547	63.20	64.70	1.50	nil							
		tuffs are grey to grey-green fin grained thinly bedded to	11548	64.70	66.20	1.50	nil							
		massive with epidotized millimetric feldspar and/or	11549	66.20	67.70	1.50	nil							
		millimetric	11550	67.70	69.20	1.50	nil							
		. quartz fragments.	11551	69.20	70.90	1.70	nil							
		Some of these tuff beds are difficult to distinguish from	11552	70.90	72.40	1.50	nil							
		the schistosed flows. The tuffs are from 34.4-34.5;	11553	72.40	73.90	1.50	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		40.2-43.7; 70.0-74.0 (?).	11554	73.90	75.40	1.50	nil							
		The pyrite is fine to coarse grained disseminated and	11555	75.40	76.80	1.40	nil							
		concentrated parallel to the schistosity.	11556	76.80	78.30	1.50	nil							
		The tourmaline is massive in the veining and in streaks of	11557	78.30	79.80	1.50	nil							
		needles parallel to the schistosity.	11558	79.80	81.30	1.50	nil							
		The magnetite is very fine to medium grained pervasively disseminated and sometimes associated with pyrite in the veining.	11559	88.00	88.40	0.40	nil							
		Sub Units												
0.0		SAMPLE INTERVALS												
		Fire Assay Samples : 11526 to 11559												
		Lithogeochem Samples : 29a-01 to 29a-07												
89.9		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
29a-01	21.90	32.00	10.10	nil																										
29a-02	32.00	42.00	10.00	nil																										
29a-03	42.00	52.00	10.00	nil																										
29a-04	52.00	62.00	10.00	nil																										
29a-05	62.00	72.00	10.00	nil																										
29a-06	72.00	82.00	10.00	nil																										
29a-07	82.00	89.90	7.90	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11526	21.90	23.50	1.60	2% pyrite
11527	23.50	23.80	0.30	pyrite-magnetite-quartz-calcite vein
11528	23.80	25.00	1.20	2% veining
11529	25.00	26.00	1.00	10% veining
11530	26.00	27.50	1.50	5% veining
11531	27.50	29.00	1.50	3% veining
11532	29.00	30.50	1.50	5% veining
11533	30.50	32.00	1.50	5% veining
11534	32.00	33.40	1.40	5% veining
11535	33.40	34.90	1.50	3% veining
11536	34.90	36.50	1.60	1% veining
11537	36.50	38.00	1.50	1% veining
11538	46.80	48.30	1.50	1% veining
11539	48.30	49.80	1.50	2% veining
11540	49.80	51.30	1.50	5% veining
11541	51.30	52.80	1.50	5% veining + 1% pyrite
11542	55.80	57.30	1.50	3% veining + 2% pyrite
11543	57.30	58.80	1.50	5% veining

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11544	58.80	60.30	1.50	5% veining
11545	60.30	61.80	1.50	3% veining
11546	61.80	63.20	1.40	3% veining + 1% pyrite
11547	63.20	64.70	1.50	5% veining
11548	64.70	66.20	1.50	7% veining
11549	66.20	67.70	1.50	7% veining
11550	67.70	69.20	1.50	3% veining
11551	69.20	70.90	1.70	5% veining
11552	70.90	72.40	1.50	3% veining
11553	72.40	73.90	1.50	4% pyrite
11554	73.90	75.40	1.50	2% pyrite
11555	75.40	76.80	1.40	1% pyrite - 3% veining
11556	76.80	78.30	1.50	1% pyrite - 2% veining
11557	78.30	79.80	1.50	2% pyrite
11558	79.80	81.30	1.50	5% veining
11559	88.00	88.40	0.40	80% veining
29a-01	21.90	32.00	10.10	mafic volcanic & minor tuff
29a-02	32.00	42.00	10.00	mafic volcanic & minor tuff

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
29a-03	42.00	52.00	10.00	mafic volcanic & minor tuff
29a-04	52.00	62.00	10.00	mafic volcanic & minor tuff
29a-05	62.00	72.00	10.00	mafic volcanic & minor tuff
29a-06	72.00	82.00	10.00	mafic volcanic & minor tuff
29a-07	82.00	89.90	7.90	mafic volcanic & minor tuff

LES EXPLORATIONS NORAMCO INC.

H-1435-029B

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442214-1	Coordinates:	L39+60E , 0+26W MTM
Azimuth:	344 degrees	Dip:	-50 degrees	Length:	52.1 meters
Logged By:	R. Cavanagh	Casing:	Out	Elevation:	312 meters
Date Started:	Sept. 17 1987	Date Completed:	Sept. 18 1987	Date Logged:	Sept. 29 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 10 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	23.1 meters				

Purpose

See hole #1435-029A

Conclusions

Abandoned at 52.1m because of infiltration of till between the casing shoe bit and the bedrock (?).
Massive mafic volcanic and minor mafic to intermediate tuff pervasively schistosed with trace of disseminated tourmaline.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	23.1	OVERBURDEN		
23.1	52.1	MAFIC VOLCANIC AND MINOR TUFF	Pyrite (1%) Magnetite (1% pervasive) Tourmaline (trace pervasiv)	Carbonate (30%) Chlorite (30%) Sericite (5%) Epidote (3%)
	52.1	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	23.1	OVERBURDEN												
23.1	52.1	MAFIC VOLCANIC AND MINOR TUFF												
		Dark Green to Grey	11560	23.10	24.50	1.40	nil							
		Bedding at 62 Deg. Cax.	11561	24.50	26.00	1.50	nil							
		Schistosity: S1 at 62-66 Deg. Cax.	11562	26.00	27.50	1.50	nil							
		Weakly Fractured (5 Fractures/Meter)	11563	27.50	29.20	1.70	nil							
		3% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11564	29.20	30.60	1.40	nil							
		Pyrite: 1%	11565	30.60	32.10	1.50	nil							
		Magnetite: 1% pervasive	11566	32.10	33.60	1.50	nil							
		Tourmaline: trace pervasive												
		Carbonate Alteration: 30%	11567	50.80	51.40	0.60	nil							
		Chlorite Alteration: 30%												
		Sericite Alteration: 5%												
		Epidote Alteration: 3%												
		UNDEFINED CODE Conductive rregular variation of decimetric to metric zones of in to medium grained massive to schistosed or sheared flows with about 5% of decimetric to metric zone of mafic to intermediate tuff from about 41.0-44.4 and 50.8-59.9.												
		There are about 50% of veining from 23.5-26.2; 35-35.2 and from 50.9-51.3.												
		The schistosed flows are from about 23.1-26.2; 32.0-38.0 and 51.0-52.1.												
		SAMPLE INTERVALS												
		Fire Assay Samples : 11560 to 11567												
		Lithogeochem Samples : 29b-01 to 29b-03												
52.1		END OF HOLE.												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
29b-01	23.10	33.00	9.90	nil																										
29b-02	33.00	43.00	10.00	nil																										
29b-03	43.00	52.10	9.10	nil																										

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
11560	23.10	24.50	1.40	50% veining
11561	24.50	26.00	1.50	50% veining
11562	26.00	27.50	1.50	5% veining
11563	27.50	29.20	1.70	3% veining
11564	29.20	30.60	1.40	7% veining
11565	30.60	32.10	1.50	7% veining
11566	32.10	33.60	1.50	5% veining
11567	50.80	51.40	0.60	50% veining
29b-01	23.10	33.00	9.90	mafic volcanic and minor tuff
29b-02	33.00	43.00	10.00	mafic volcanic and minor tuff
29b-03	43.00	52.10	9.10	mafic volcanic and minor tuff

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H-1435-030

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources	Claim #:	442214-1	Coordinates:	L39+50E , 0+70W MTM
Azimuth:	350 degrees	Dip:	-50 degrees	Length:	175.9 meters
Logged By:	R. Cavanagh	Casing:	In 20'BW	Elevation:	312 meters
Date Started:	Sept. 18 1987	Date Completed:	Sept. 21 1987	Date Logged:	Sept. 30 1987
Core Location:	Val d'Or (Quebec)	Samples Shipped:	Oct. 10 1987	Drill Company:	Les Forages Foranord Inc.
Overburden:	32 meters				

Tropari/Dip Tests

	Depth	Azimuth	Dip
# 1.	60.96 m		-51.5 deg.
# 2.	121.92 m		-49 deg.
# 3.	175.9 m		-48 deg.

Purpose

Continuation of 1435-29A and 1435-29B.

Conclusions

Irregular alternance of massive mafic volcanics which are preponderant; and mafic to intermediate and felsic lapilli and tuff.

both lithologies are variably schistosed and/or sheared. The small variation of less than a hundred gamma is possibly due to the overburden and/or the variation in the percentage of the magnetite which sometimes is very difficult to estimate.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	32.0	OVERBURDEN		
32.0	76.4	SCHISTOSE MAFIC VOLCANIC	Pyrite (1% mineralizat) Magnetite (1% pervasive) Tourmaline (trace)	Carbonate (40%) Chlorite (40%) Sericite (3%)
76.4	79.5	SCHISTOSE INTERMEDIATE TUFF	Magnetite (1% disseminate) Pyrite (trace)	Sericite (5%) Carbonate (2%)
79.5	99.0	MASSIVE MAFIC VOLCANIC	Magnetite (2% disseminate) Pyrite (trace)	Chlorite (45%) Epidote (10%) Carbonate (5%)
99.0	108.1	SCHISTOSED AND INTERMEDIATE LAPILLI TUFF	Pyrite (trace)	Sericite (5%) Chlorite (1%)
108.1	132.3	MASSIVE MAFIC VOLCANIC	Magnetite (1%) Pyrite (1%) Tourmaline (trace)	Carbonate (5-20%) Chlorite (20-40%) Epidote (5%) Hematite (1%)
132.3	139.3	FELSIC TO INTERMEDIATE SCHISTOSE TUFF	Magnetite (2% disseminate) Pyrite (1%)	Chlorite (3%) Sericite (2%)
139.3	153.3	MASSIVE MAFIC VOLCANIC	Magnetite (3% disseminate) Pyrite (1%)	Chlorite (20%) Carbonate (3%) Epidote (5%) Hematite (trace)

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
153.3	158.2	INTERMEDIATE SCHISTOSE TUFF	Pyrite (trace)	Sericite (5%)
158.2	175.9	MASSIVE MAFIC VOLCANIC	Pyrite (1%) Magnetite (2%)	Chlorite (20%) Epidote (10%) Hematite (trace)
	175.9	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	32.0	OVERBURDEN												
32.0	76.4	SCHISTOSE MAFIC VOLCANIC												
		Dark Green to Grey	11568	36.70	38.20	1.50	nil							
		Porphyritic with Aphanitic Matrix	11569	38.20	39.70	1.50	nil							
		Schistosity: S1 at 57-67 Deg. Cax.												
		Weakly Fractured (6 Fractures/Meter)	11570	41.80	43.30	1.50	nil							
		5% Quartz-Carbonate Veining variable -- Avg. Width mm to cm	11571	43.30	44.80	1.50	nil							
		Pyrite: 1% mineralization												
		Magnetite: 1% pervasive	11572	48.30	49.80	1.50	nil							
		Tourmaline: trace												
		Carbonate Alteration: 40%	11573	50.80	52.10	1.30	nil							
		Chlorite Alteration: 40%	11574	52.10	53.50	1.40	nil							
		Sericite Alteration: 3%	11575	53.50	55.00	1.50	nil							
			11576	55.00	56.50	1.50	nil							
		Schistose and/or sheared mafic volcanic with possible	11577	56.50	57.90	1.40	nil							
		greenish thinly bedded centimetric zones of mafic tuff and	11578	57.90	59.40	1.50	nil							
		there are about 1% elongated millimetric calcite amygdules.	11579	59.40	60.80	1.40	nil							
		The pyrite is disseminated and concentrated in or along the	11580	60.80	62.40	1.60	nil							
		veining of quartz.	11581	62.40	63.80	1.40	nil							
		The tourmaline is massive in veining cutting the												
		schistosity and as needle in streaks parallel to the	11582	69.10	69.80	0.70	nil							
		schistosity.	11583	69.80	70.60	0.80	nil							
			11584	71.20	72.60	1.40	nil							
			11585	72.60	74.20	1.60	nil							
			11586	75.00	76.40	1.40	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
76.4	79.5	**SCHISTOSE INTERMEDIATE TUFF**												
		Light Grey												
		Rock Fragments: 65-90%	11587	76.60	77.90	1.30	nil							
		Matrix: 10-35%												
		Schistosity: S1 at 60 Deg. Cax.	11588	79.40	79.70	0.30	nil							
		Weakly Fractured (3 Fractures/Meter)												
		1% Quartz-Carbonate Veining variable -- Avg. Width mm												
		Magnetite: 1% disseminated												
		Pyrite: trace												
		Sericite Alteration: 5%												
		Carbonate Alteration: 2%												
		Weakly Magnetic												
		Non Conductive												
		50-75% grayish millimetric and elongated aphanitic felsic fragments in a grayish to dark green very fine grained matrix.												
79.5	99.0	**MASSIVE MAFIC VOLCANIC**												
		Dark Green to Grey												
		Mafic Minerals: 60%	11589	83.55	84.05	0.50	nil							
		Plagioclase: 40%	11590	84.05	85.50	1.45	nil							
		Fine to Medium Grained	11591	85.50	86.90	1.40	nil							
		Weakly Fractured (3 Fractures/Meter)												
		2% Quartz-Carbonate Veining variable -- Avg. Width mm												
		Magnetite: 2% disseminated												
		Pyrite: trace												
		Chlorite Alteration: 45%												
		Epidote Alteration: 10%												
		Carbonate Alteration: 5%												
		Weakly Magnetic												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Non Conductive												
		Thick mafic flow or fine to medium grained gabbro from 86.9-99.0. There is a schistose sericitized; silicified and slightly carbonatized intermediate grey to yellowish-grey tuff or lapilli tuff from about 83.95-86.9 a and a quartz-calcite vein from 83.6-83.95 with irregular contacts.												
99.0	108.1	**SCHISTOSED AND INTERMEDIATE LAPILLI TUFF**												
		Mottled Grey to White Rock Fragments: 70% Matrix: 30% Schistosity: S1 at 62-75 Deg. Cax. Weakly Fractured (4 Fractures/Meter) 1% Quartz-Carbonate Veining variable -- Avg. Width mm Pyrite: trace Sericite Alteration: 5% Chlorite Alteration: 1% Non Magnetic Non Conductive	11592	102.70	103.20	0.50	nil							
		Diffused millimetric to centremetric elongated white quartz porphyry and grayish to dark grey felsic volcanic or tuffaceous fragments in a grey to dark grey sericitized and slightly chloritic matrix.												
108.1	132.3	**MASSIVE MAFIC VOLCANIC**												
		Dark Green to Grey Mafic Minerals: 60% Plagioclase: 40%	11593	109.80	110.90	1.10	nil							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Fine to Medium Grained Schistosity: S1 at 65-75 Deg. Cax. Weakly Fractured (4 Fractures/Meter) 3% Quartz-Carbonate Veining variable -- Avg. Width mm Magnetite: 1% Pyrite: 1% Tourmaline: trace Carbonate Alteration: 5-20% Chlorite Alteration: 20-40% Epidote Alteration: 5% Hematite Alteration: 1% Non Magnetic -w Non Conductive There is a dark grey-green schistosed; carbonatized and slightly sericitized zone with 3% quartz-calcite-tourmaline veining from 109.9-110.9. There is a zone with about 50% decimetric beds of mafic and intermediate fine to coarse grained tuff from 126.0-128.6. The medium grained volcanic between 108.2-119.0 might be a gabbro.												
132.3	139.3	FELSIC TO INTERMEDIATE SCHISTOSE TUFF Light Grey to Green Fine to Medium Grained Schistosity: S1 at 72 Deg. Cax. Weakly Fractured (3 Fractures/Meter) 1% Quartz-Carbonate Veining variable -- Avg. Width mm Magnetite: 2% disseminated Pyrite: 1% Chlorite Alteration: 3% Sericite Alteration: 2%	11594	135.00	135.30	0.30	nil						
			11595	137.35	138.35	1.00	nil						

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Weakly Magnetic -m Non Conductive There is an irregular 10cm quartz-calcite vein at 18 degree cax from 134.9-135.1. There is a mafic fine grained flow with a net upper contact at 58 degrees and an irregular and veined lower contact.												
139.3	153.3	**MASSIVE MAFIC VOLCANIC** Dark Green to Grey Mafic Minerals: 60% Plagioclase: 40% Fine to Medium Grained Schistosity: S1 at 61 Deg. Cax. Weakly Fractured (5 Fractures/Meter) 2% Quartz-Carbonate Veining variable -- Avg. Width mm Magnetite: 3% disseminated Pyrite: 1% Chlorite Alteration: 20% Carbonate Alteration: 3% Epidote Alteration: 5% Hematite Alteration: trace Moderately Magnetic Non Conductive												
153.3	158.2	**INTERMEDIATE SCHISTOSE TUFF** Light Grey Rock Fragments: 30% Matrix: 70% Fine to Medium Grained												

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
		Schistosity: S1 at 63 Deg. Cax. Weakly Fractured (5 Fractures/Meter) 1% Quartz-Carbonate Veining variable -- Avg. Width mm Pyrite: trace Sericite Alteration: 5% Non Magnetic Non Conductive												
158.2	175.9	**MASSIVE MAFIC VOLCANIC** Dark Grey to Yellow Mafic Minerals: 50% Plagioclase: 40% Fine to Medium Grained Weakly Fractured (3 Fractures/Meter) 2% Quartz-Carbonate Veining variable -- Avg. Width mm Pyrite: 1% Magnetite: 2% Chlorite Alteration: 20% Epidote Alteration: 10% Hematite Alteration: trace Weakly Magnetic Non Conductive SAMPLE INTERVALS Fire Assay Samples : 11568 to 11595 Lithogeochem Samples : 30-01 to 30-17												
175.9		**END OF HOLE.**												

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm
30-01	32.00	42.00	10.00	nil																										
30-02	42.00	52.00	10.00	nil																										
30-03	52.00	62.00	10.00	nil																										
30-04	62.00	69.00	7.00	3																										
30-05	69.00	76.40	7.40	nil																										
30-06	76.40	79.50	3.10	nil																										
30-07	79.50	89.00	9.50	15																										
30-08	89.00	99.00	10.00	nil																										
30-09	99.00	108.10	9.10	8																										
30-10	108.10	120.00	11.90	nil																										
30-11	120.00	132.30	12.30	nil																										
30-12	132.30	139.30	7.00	nil																										
30-13	139.30	146.00	6.70	nil																										
30-14	146.00	153.30	7.30	nil																										
30-15	153.30	158.20	4.90	nil																										
30-16	158.20	168.00	9.80	nil																										
30-17	168.00	175.90	7.90	nil																										

Sample No.	From (m)	To (m)	Width (m)	Au ppb	Sb ppm	As ppm	Ba ppm	Cd ppm	Cs ppm	Cr ppm	Co ppm	Cu ppm	Eu ppm	Pb ppm	Ir ppb	Fe pct	La ppm	Mo ppm	Ni ppm	Rb ppm	Sc ppm	Se ppm	Ag ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	W ppm	U ppm	Yb ppm	Zn ppm

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
11568	36.70	38.20	1.50	5% veining
11569	38.20	39.70	1.50	5% veining
11570	41.80	43.30	1.50	7% veining
11571	43.30	44.80	1.50	7% veining
11572	48.30	49.80	1.50	5% veining
11573	50.80	52.10	1.30	2% pyrite
11574	52.10	53.50	1.40	3% veining
11575	53.50	55.00	1.50	5% veining
11576	55.00	56.50	1.50	1% pyrite - 5% veining
11577	56.50	57.90	1.40	10% veining
11578	57.90	59.40	1.50	5% veining
11579	59.40	60.80	1.40	7% veining
11580	60.80	62.40	1.60	10% veining
11581	62.40	63.80	1.40	10% veining
11582	69.10	69.80	0.70	1% pyrite
11583	69.80	70.60	0.80	3% veining
11584	71.20	72.60	1.40	2% veining
11585	72.60	74.20	1.60	5% veining

Sample No.	From (m)	To (m)	Width (m)	---------Remarks---------
11586	75.00	76.40	1.40	3% pyrite
11587	76.60	77.90	1.30	Tuff
11588	79.40	79.70	0.30	1% pyrite
11589	83.55	84.05	0.50	quartz vein
11590	84.05	85.50	1.45	1% pyrite
11591	85.50	86.90	1.40	sericitized tuff
11592	102.70	103.20	0.50	1% pyrite; lapilli
11593	109.80	110.90	1.10	3% veining
11594	135.00	135.30	0.30	One 10cm vein
11595	137.35	138.35	1.00	2% pyrite
30-01	32.00	42.00	10.00	Schistose mafic volcanic
30-02	42.00	52.00	10.00	Schistose mafic volcanic
30-03	52.00	62.00	10.00	Schistose mafic volcanic
30-04	62.00	69.00	7.00	Schistose intermediate tuff
30-05	69.00	76.40	7.40	Schistose intermediate tuff
30-06	76.40	79.50	3.10	Schistose intermediate tuff
30-07	79.50	89.00	9.50	Massive mafic volcanic
30-08	89.00	99.00	10.00	Massive mafic volcanic

Sample No.	From (m)	To (m)	Width (m)	----------Remarks----------
30-09	99.00	108.10	9.10	Schistose intermediate lapilli-tuff
30-10	108.10	120.00	11.90	Schistose intermediate lapilli-tuff
30-11	120.00	132.30	12.30	Schistose intermediate lapilli-tuff
30-12	132.30	139.30	7.00	Massive mafic volcanic
30-13	139.30	146.00	6.70	Massive mafic volcanic
30-14	146.00	153.30	7.30	Schistose felsic to intermediate tuff
30-15	153.30	158.20	4.90	Schistose felsic to intermediate tuff
30-16	158.20	168.00	9.80	Schistose felsic to intermediate tuff
30-17	168.00	175.90	7.90	Massive mafic volcanic

LES EXPLORATIONS NORAMCO INC.

H-1435-031

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DIAMOND DRILL LOG

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Property:	Vior North (P-1435)	NTS:	32E/2	Township:	Vanier
Partner:	Copperstack Resources Inc.	Claim #:	442222-1	Coordinates:	62+90E , 18+88N NTM
Azimuth:	335 degrees	Dip:	-50 degrees	Length:	51.8 meters
Logged By:	Regis Simard	Casing:	Out	Elevation:	314 meters
Date Started:	Sept. 30 1987	Date Completed:	Oct. 4 1987	Date Logged:	Oct. 1987
Core Location:		Samples Shipped:		Drill Company:	Les Forages Foranord Inc.
Overburden:	62 meters				

Purpose

Test mineralized shear in 1435-04 (4.40g/t over 1.5m).

Conclusions

the hole was stopped in overburden by drillers because the ground was too swampy.

From(m)	To(m)	Description	Mineralization(s)	Alteration(s)
0.0	62.0	OVERBURDEN		
	0.0	END OF HOLE.		

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Sb (ppm)	As (ppm)	Mo (ppm)
0.0	0.0	OVERBURDEN												
0.0		END OF HOLE.												