HEMLO GOLD MINES INC.

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-16
Collar Eastings: 5050.00
Collar Northings: 5830.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 251.00 metres
DRILLED BY: NDS DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: FEB 23-26,1996
Down-hole Survey: ACID
DATES¡LOGGED: FERUARY 24 - 26,1996

DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.
0.0	9.0	(ovb) **Overburden**								
9.0	64.3	(1a, tc/chl, carb) **Ultramafic** fine grained, dark green to black, soft talc chlorite ultramafics. Unit is massive with fracture fillings of talc/carbonate/chlorite at random angles. Unit is highly fractured, locally crushed, fault gouge. Carbonate is calcite to ~40 meters where it becomes ankeritic-Fe carbonate. Pyrite is minor, randomly distributed through the unit as large clusters to 1cm and carb vein associated as at 20.1m/47.25m. Quartz veining is rare with one wider vein at 29.3 to 29.5m white with minor pyrite. Unit weakly magnetic over 1-2 meters, increasingly, foliated and veined. Unit takes on a brecciated appearance with variable alteration in "fragments". Fe carbonate becomes frequent in the matrix as small grains. Foliation's are at 54 degrees to core axis parallel to the contact. Pyrite is nil to trace, quartz veining is 5% especially 62.0-64.3 metes. Diabase 9-14 meters.	7265	60.20	61.20	1.00	0.01	N.A.	N.A.	N.A.
			7266	61.20	62.20	1.00	0.01	N.A.	N.A.	N.A.
			7267	62.20	63.20	1.00	0.07	N.A.	N.A.	N.A.
			7268	63.20	64.20	1.00	0.01	N.A.	N.A.	N.A.
64.3	90.2	(1a, ser, carb, qtz, py) **Altered Ultramafic** fine grained as above but highly altered, pale yellow green to khaki in color. Sericite and carbonatization dominate the alteration. Quartz veins are abundant to "flooded" over two to three meters. Small patches of green carbonate alteration noted. Unit hosts bands of nearly aphanitic pale grey medium hard layers generally 10-20cm but up to 3 meters. These bands contain 10-15% pyrite as dissemination's and clusters. These layers may in part be albitic?? Contacts between these layers and the altered ultramafics are at 47-50 degrees to core axis and generally sharp except where quartz/carbonate veining occurs. The altered ultramafic has a weak foliation at 51 degrees to core axis. 60.2-63.2-foliated talc/chlorite ultramafic 63.2-64.2-60% white quartz 64.2-64.7-weak altered ultramafic	7269	64.20	64.70	0.50	0.01	N.A.	N.A.	N.A.
			7270	64.70	65.10	0.40	0.30	N.A.	N.A.	N.A.
			7271	65.10	65.60	0.50	0.16	N.A.	N.A.	N.A.
			7272	65.60	66.50	0.90	0.75	N.A.	N.A.	N.A.
			7273	66.50	67.70	1.20	0.06	N.A.	N.A.	N.A.
			7274	67.70	68.60	0.90	0.01	N.A.	N.A.	N.A.
			7275	68.60	69.80	1.20	0.06	N.A.	N.A.	N.A.
			7276	69.80	70.20	0.40	0.90	N.A.	N.A.	N.A.
			7277	70.20	71.20	1.00	0.31	N.A.	N.A.	N.A.
			7278	71.20	72.20	1.00	0.07	N.A.	N.A.	N.A.
			7279	72.20	73.20	1.00	0.16	N.A.	N.A.	N.A.
			7280	73.20	74.70	1.50	2.32	N.A.	N.A.	N.A.
			7281	74.70	76.20	1.50	0.15	N.A.	N.A.	N.A.
			7282	76.20	77.70	1.50	0.01	N.A.	N.A.	N.A.
			7283	77.70	78.70	1.00	0.53	N.A.	N.A.	N.A.
			7284	78.70	79.70	1.00	0.40	N.A.	N.A.	N.A.
			7285	79.70	80.50	0.80	0.01	N.A.	N.A.	N.A.

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.
		64.7-65.1-pale grey layer, 10% pyrite	7286	80.50	82.00	1.50	0.37	N.A.	N.A.	N.A.
		65.1-65.6-altered ultramafic	7287	82.00	83.50	1.50	0.13	N.A.	N.A.	N.A.
		65.6-66.5-pale grey, layers 10-15% pyrite	7288	83.50	85.00	1.50	0.41	N.A.	N.A.	N.A.
		66.5-67.7-altered ultramafic	7289	85.00	86.50	1.50	0.01	N.A.	N.A.	N.A.
		67.7-68.6-50% quartz veining	7290	86.50	88.10	1.60	0.06	N.A.	N.A.	N.A.
		68.6-69.8-altered ultramafic 10% quartz/carbonate veins	7291	88.10	89.20	1.10	0.36	N.A.	N.A.	N.A.
		69.8-70.2-pale grey layer, 5% pyrite	7292	89.20	90.20	1.00	0.01	N.A.	N.A.	N.A.
		70.2-71.2-altered ultramafic								
		71.2-72.2-altered ultramafic with 10% quartz/carb and 20cm, pale grey layer with 10% pyrite								
		72.2-76.2-altered ultramafic with 20% quartz/carb veining								
		76.2-77.7-altered ultramafic minor quartz								
		77.7-80.5-pale grey, siliceous, ankeritic, mineralized to 5-10% over 1m contorted lower contact, upper contact at 49 degrees to core axis								
		80.5-88.1-altered ultramafic-quartz/carbonate veining <5% trace to minor pyrite								
		88.1-89.3-grey mineralized layer 10% pyrite, 10% altered ultramafic								
90.2	96.1	(2a,sil,py,ank)	7293	90.20	91.70	1.50	0.06	N.A.	N.A.	N.A.
		Altered Mafics	7294	91.70	93.20	1.50	0.01	N.A.	N.A.	N.A.
		fine grained, medium grey siliceous, pyrite locally 10-15%, <5% overall. This is a wider layer than in the above section, but the unit is the same. Ankerite pervasive and as small vein. Upper and lower contact at 56 degrees to core axis.	7295	93.20	94.70	1.50	0.01	N.A.	N.A.	N.A.
			7296	94.70	96.10	1.40	0.01	N.A.	N.A.	N.A.
96.1	119.9	(1a,ser,ank,qtz)	7297	96.10	97.60	1.50	0.06	N.A.	N.A.	N.A.
		Altered Ultramafic	7298	97.60	99.10	1.50	0.01	N.A.	N.A.	N.A.
		fine grained, green yellow to khaki coloured as above with sericite, ankerite. Quartz and carbonate veins 5% overall with zones to 10% +. Unit contains small siliceous layers as above but in general the layers contain less mineralization. Small <10cm bands of brecciation. Weak foliation towards lower contact at 48 degrees.	7299	99.10	100.60	1.50	0.07	N.A.	N.A.	N.A.
			7300	100.60	101.30	0.70	0.47	N.A.	N.A.	N.A.
			7301	101.30	102.70	1.40	0.19	N.A.	N.A.	N.A.
			7302	102.70	104.40	1.70	0.01	N.A.	N.A.	N.A.
			7303	104.40	105.00	0.60	0.16	N.A.	N.A.	N.A.
			7304	105.00	106.50	1.50	0.32	N.A.	N.A.	N.A.
		100.6-102.7-80% siliceous layers with 1% pyrite with minor local concentrations to 5% as at 101.0-101.1.	7305	106.50	108.00	1.50	0.01	N.A.	N.A.	N.A.
			7306	108.00	109.50	1.50	0.01	N.A.	N.A.	N.A.
		104.4-105.0-Mineralized layer with 15% pyrite.	7307	109.50	110.50	1.00	0.10	N.A.	N.A.	N.A.
			7308	110.50	111.40	0.90	0.01	N.A.	N.A.	N.A.
			7309	111.40	112.80	1.40	0.41	N.A.	N.A.	N.A.
			7310	112.80	114.30	1.50	0.01	N.A.	N.A.	N.A.
			7311	114.30	115.80	1.50	0.13	N.A.	N.A.	N.A.
			7312	115.80	117.30	1.50	0.07	N.A.	N.A.	N.A.

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.
			7313	117.30	118.80	1.50	0.01	N.A.	N.A.	N.A.
			7314	118.80	119.90	1.10	0.31	N.A.	N.A.	N.A.
119.9	124.5	(1a,ser,ank,qt,fol)	7315	119.90	121.40	1.50	0.52	N.A.	N.A.	N.A.
		Altered Ultramafic	7316	121.40	122.90	1.50	0.01	N.A.	N.A.	N.A.
		as above but increased foliation at	7317	122.90	124.50	1.60	0.01	N.A.	N.A.	N.A.
		51 degrees to core axis. Disseminated pyrite in the unit as cubes to 2mm,-chalcopyrite on fracture at 120.9m.								
124.5	129.7	(1a,tc/chl)	7318	124.50	125.70	1.20	0.37	N.A.	N.A.	N.A.
		Ultramafic	7319	125.70	127.20	1.50	0.01	N.A.	N.A.	N.A.
		dark green, soft, increased talc/chlorite with minor	7320	127.20	128.20	1.00	0.01	N.A.	N.A.	N.A.
		siliceous layers, 10% quartz carbonate veining white and	7321	128.20	129.70	1.50	0.01	N.A.	N.A.	N.A.
		grayish.								
129.7	149.5	(1a,ser,ank,carb/qtz)	7322	129.70	131.20	1.50	0.01	N.A.	N.A.	N.A.
		Altered Ultramafic	7323	131.20	132.70	1.50	0.23	N.A.	N.A.	N.A.
		fine grained, green yellow to khaki coloured as above mixed	7324	132.70	134.20	1.50	0.01	N.A.	N.A.	N.A.
		with medium gray to green ultramafic. Unit continues to host	7325	134.20	135.70	1.50	0.01	N.A.	N.A.	N.A.
		narrow siliceous mineralized grey mafics?? Unit has zones of	7326	135.70	137.00	1.30	0.01	N.A.	N.A.	N.A.
		carbonate/quartz flooding with veins to 50% of unit,	7327	137.00	138.50	1.50	0.01	N.A.	N.A.	N.A.
		frequently interbedded with the siliceous grey mafics.	7328	138.50	139.40	0.90	4.12	N.A.	N.A.	N.A.
		129.7-132.7-30% veining, 10% grey mafics with 1-3% pyrite.	7329	139.40	140.60	1.20	0.22	N.A.	N.A.	N.A.
		138.5-144.2-Vein flooded; quartz 20%, carbonate 25% with	7330	140.60	141.60	1.00	0.19	N.A.	N.A.	N.A.
		fine disseminated pyrite 2%, to local concentrations to 6%.	7331	141.60	143.00	1.40	0.10	N.A.	N.A.	N.A.
		Veining is at least two generations subparallel and 80 degrees	7332	143.00	144.20	1.20	0.16	N.A.	N.A.	N.A.
		to core axis (first, 2nd respectively). Unit begins with grey	7333	144.20	145.50	1.30	0.13	N.A.	N.A.	N.A.
		siliceous layer with 10% pyrite as dissemination's and veinlets,	7334	145.50	147.00	1.50	0.06	N.A.	N.A.	N.A.
		clusters.	7335	147.00	148.50	1.50	0.17	N.A.	N.A.	N.A.
		144.2-149.5-Carbonatized ultramafic, khaki green, sericitized	7336	148.50	149.50	1.00	0.17	N.A.	N.A.	N.A.
		weakly veined.								
149.4	158.7	(2a, py, carb qtz)	7337	149.50	150.30	0.80	0.20	N.A.	N.A.	N.A.
		Mafic Volcanic	7338	150.30	151.20	0.90	0.06	N.A.	N.A.	N.A.
		fine grained medium to dark green to medium grey in highly	7339	151.20	152.40	1.20	0.42	N.A.	N.A.	N.A.
		altered sections. Unit is well mineralized with pyrite and	7340	152.40	153.80	1.40	1.88	N.A.	N.A.	N.A.
		locally arsenopyrite as at 152.1 and 158.0-158.7m. Unit is	7341	153.80	155.00	1.20	0.41	N.A.	N.A.	N.A.
		siliceous, possibly albitized, upper contact at 90 degrees to	7342	155.00	156.10	1.10	0.33	N.A.	N.A.	N.A.
		core axis. Lower contact is quartz vein. Inclusions of	7343	156.10	157.40	1.30	0.22	N.A.	N.A.	N.A.
		ultramafic	7344	157.40	158.70	1.30	4.40	3.45	N.A.	3.95
		153.9-156.0m. Contacts at 53 degrees to core axis. Small								
		grains of chalcopyrite noted in the ultramafics.								

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FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.
158.7	183.6	(1a, carb, ser, wk py, qtz) **Altered Ultramafic** fine grained, khaki green to grey in highly carbonatized sections. Weakly mineralized with disseminated pyrite. Unit contains variable layers of highly altered siliceous, grey mafics as above with 2-5% pyrite. Contact with mafic band at 167.3-169.5-fault, crushed. Larger mafic bands occur at 167.3-169.5, 173.4-174.4, 175.7-176.9, 178.2-179.1m. 179.1-183.6-Increased quartz/carbonate veining talc/chlorite increased. Lower contact at 40 degrees to core axis.	7345	158.70	160.20	1.50	0.01	0.01	N.A.	N.A.
			7346	160.20	161.20	1.00	0.80	0.90	N.A.	0.85
			7347	161.20	162.20	1.00	1.14	N.A.	N.A.	N.A.
			7348	162.20	163.70	1.50	0.92	N.A.	N.A.	N.A.
			7349	163.70	165.20	1.50	0.17	N.A.	N.A.	N.A.
			7350	165.20	166.20	1.00	0.43	N.A.	N.A.	N.A.
			7351	166.20	167.30	1.10	0.17	N.A.	N.A.	N.A.
			7352	167.30	168.30	1.00	1.58	N.A.	N.A.	N.A.
			7353	168.30	169.30	1.00	7.81	8.26	N.A.	8.04
			7354	169.30	170.80	1.50	1.53	N.A.	N.A.	N.A.
			7355	170.80	172.30	1.50	0.65	N.A.	N.A.	N.A.
			7356	172.30	173.80	1.50	0.13	N.A.	N.A.	N.A.
			7357	173.80	175.30	1.50	0.17	N.A.	N.A.	N.A.
			7358	175.30	176.80	1.50	0.68	0.73	N.A.	N.A.
			7359	176.80	178.20	1.40	0.60	N.A.	N.A.	N.A.
			7401	178.20	179.20	1.00	1.22	N.A.	N.A.	N.A.
			7360	179.20	180.20	1.00	0.10	N.A.	N.A.	N.A.
			7361	180.20	181.70	1.50	0.13	N.A.	N.A.	N.A.
			7362	181.70	182.70	1.00	0.01	N.A.	N.A.	N.A.
			7363	182.70	183.60	0.90	0.01	N.A.	N.A.	N.A.
183.6	197.1	(2a, alt, sil, carb, pyrite) **Altered Mafic Volcanic** fine grained, grey to grey green, siliceous, quartz/carbonate veined variably, well mineralized to weakly mineralized with pyrite and locally arsenopyrite. Visible gold noted in quartz vein at 184.1. Leucoxene appears at 190+. 183.6-184.9- Well mineralized to 15%+ with coarse clusters of pyrite, blades of arsenopyrite and one spot of visible gold at 184.1m. 184.9-191.4- Pyrite variable from 1% to 5% over short sections. 191.4-192.7 - altered Ultramafic-10% quartz/carbonate veining. Contact at 60 degrees to core axis. VG at 192.3. 192.7-193.5 - altered mafic-1% pyrite 193.5-195.3 - altered ultramafic with green carbonate at lower contact, sericite alteration, unit appears brecciated towards lower contact. 195.3-197.1 - altered mafic 10% pyrite as dissemination and 5cm (contacts at 43 degrees, upper and lower sharp).	7364	183.60	184.80	1.20	2.13	1.87	3.05	N.A.
			7365	184.80	186.30	1.50	0.32	N.A.	N.A.	N.A.
			7366	186.30	187.80	1.50	0.06	N.A.	N.A.	N.A.
			7367	187.80	188.90	1.10	0.01	N.A.	N.A.	N.A.
			7368	188.90	189.90	1.00	0.22	N.A.	N.A.	N.A.
			7369	189.90	191.40	1.50	0.01	0.01	N.A.	N.A.
			7370	191.40	192.70	1.30	11.85	2.21	19.19	N.A.
			7371	192.70	193.50	0.80	0.16	N.A.	N.A.	N.A.
			7372	193.50	195.30	1.80	0.06	N.A.	N.A.	N.A.
			7373	195.30	195.90	0.60	6.80	6.48	N.A.	6.64
			7374	195.90	197.10	1.20	1.09	N.A.	N.A.	N.A.
197.1	205.5	(1a,carb,ser) **Altered Ultramafic**	7375	197.10	198.60	1.50	0.55	N.A.	N.A.	N.A.
			7376	198.60	200.10	1.50	0.01	N.A.	N.A.	N.A.

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.
		khaki, fine grained, carboantized, sericitized. Ankerite veins dark grey and 5% quartz veining grey to white. Minor to trace pyrite. Contacts at 46 degrees to core axis.	7377	200.10	201.60	1.50	0.01	N.A.	N.A.	N.A.
			7378	201.60	203.00	1.40	0.07	N.A.	N.A.	N.A.
			7379	203.00	204.00	1.00	0.01	N.A.	N.A.	N.A.
			7380	204.00	205.00	1.00	0.01	0.01	N.A.	N.A.
205.0	208.0	(2a, alt, sil, carb, pyrite) **Altered Mafic** grey, fine grained as above <1% pyrite.	7381	205.00	206.50	1.50	0.16	N.A.	N.A.	N.A.
			7382	206.50	208.00	1.50	0.20	N.A.	N.A.	N.A.
208.0	234.3	(1a,ser,carb/2a,sil,py) **Altered Ultramafic/Altered Mafics** mixed sequence of altered ultramafic and mafics as above. Ultramafic dominates in the upper section to 223.0 meters and the mafic in the lower section. The lower mafics although mineralized are greener in color, locally unaltered and variably mineralized. The following locate the larger sections of mafics. 212.4-214.6 - grey mafic <1% pyrite 220.0-221.2 - grey mafic, 1-2% 223.3-226.7 - green, green grey chloritic mafics <1% to trace pyrite contacts 43 degrees. 227.8-231.8 - talc/chlorite ultramafic quartz veining 10-15% carb veining 15%. Possible brown tourmaline with quartz-nil to trace pyrite.	7383	208.00	209.50	1.50	0.07	N.A.	N.A.	N.A.
			7384	209.50	211.00	1.50	0.27	N.A.	N.A.	N.A.
			7385	211.00	212.40	1.40	1.13	N.A.	N.A.	N.A.
			7386	212.40	213.40	1.00	0.06	N.A.	N.A.	N.A.
			7387	213.40	214.60	1.20	0.61	N.A.	N.A.	N.A.
			7388	214.60	216.10	1.50	0.10	N.A.	N.A.	N.A.
			7389	216.10	217.60	1.50	0.01	N.A.	N.A.	N.A.
			7390	217.60	218.60	1.00	0.01	N.A.	N.A.	N.A.
			7391	218.60	220.00	1.40	0.01	0.01	N.A.	N.A.
			7392	220.00	221.20	1.20	0.58	N.A.	N.A.	N.A.
			7393	221.20	222.20	1.00	0.23	N.A.	N.A.	N.A.
			7394	222.20	223.30	1.10	0.30	N.A.	N.A.	N.A.
			7395	223.30	225.20	1.90	0.63	N.A.	N.A.	N.A.
			7396	225.20	226.70	1.50	0.26	N.A.	N.A.	N.A.
			7397	226.70	230.80	4.10	0.06	N.A.	N.A.	N.A.
			7398	230.80	231.80	1.00	0.01	N.A.	N.A.	N.A.
			7399	231.80	233.30	1.50	0.29	N.A.	N.A.	N.A.
			7400	233.30	234.30	1.00	0.07	N.A.	N.A.	N.A.
234.3	251.0	(1a, talc/chl, ank) **Ultramafic** fine grained, dark green to black, ankeritic. Very soft. Ankerite veins 30% of unit as narrow white veins 1cm to 2cm parallel to foliation at 45 degrees and sub parallel to core axis.								
251.0		END OF HOLE								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
11.00	-44.00	180.00

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HOLE No.: C96-16

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au g/t	Au R1	Au met	Au av.

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
200.00	-43.00	180.00
251.00	-43.00	180.00

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DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-17
Collar Eastings: 5200.00
Collar Northings: 6425.00
Collar Elevation: 0.00
Grid: MAIN
(NQ) Core stored at Hemlo storage Timmins

Collar Inclination: -45.00
Grid Bearing: 150.00
Final Depth: 269.00 metres
Drilled by: NDS Drilling, Timmins
Casing left in hole

Logged by: ROBERT CALHOUN
Date: Feb 26-28,1996
Down-hole Survey: ACID
Dates Logged: Feb 27-29,1996

DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS SAMPLE No.	FROM	TO	WIDTH	Au g/t
0.0	25.0	(Ovb) **Overburden**					
25.0	41.8	(2a) **Mafic volcanic** fine grained, medium green, massive with small quartz veins to 1cm randomly distributed, carbonate is ankeritic. Unit contains blobs or "fragments" of highly chloritic mafic volcanics. **24.95-25.5-** Flow breccia-fragments to 5cm x 1cm, pale green, lighter than the matrix. Angular to smooth edges.					
41.8	57.0	(2b,chl,ep) **Pillowed Mafic Volcanic** fine grained, pale to medium green. Pillow selvages are dark green, chloritic. Unit has variable epidote alteration. Weakly foliated at 68 degrees to core axis. **49.2-50.9-**Quartz/calcite veined area with extensive chlorite.					
57.0	73.9	(2b,chl,cal,fol) **Pillowed Mafic Volcanic** fine grained, dark green, more chloritic than above unit. Moderate to well foliated at 72 degrees to core axis. Calcite veins <3mm are parallel to foliation and more abundant than above. Minor pyrite occurs in some selvages.					
73.9	77.1	(1a,tc/chl,cal) **Ultramafics** fine grained, medium green, soft talc/chlorite with abundant calcite in matrix, foliated. Lower contact at 71 degrees to core axis. Local crushed, multiple fractured, core.					
77.1	81.6	(2b,cal,fol) **Pillowed Mafic Volcanic** as above, lower contact 66 degrees to core axis.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
81.6	87.7	(1a,cal) **Ultramafic** as above lighter coloured due to calcite. Lower contact at 67 degrees to core axis. Unit contains infrequent quartz veins to 5cm.					
87.7	121.2	(1a/2a,tc/chl) **Ultramafic/Mafic Volcanics** mixed package of medium green to blackish ultramafics, and massive mafics ~50%. Mafics contain minor pyrite veinlets <.5mm, weakly foliated at 60 degrees to core axis. **93.0-98.3:** Ultramafic-fine grained, medium green to "bluish" talc/chlorite with minor calcite. Massive in appearance, upper contact at 60 degrees to core axis.					
121.2	156.2	(1a,tc/chl,bx) **Ultramafic** fine grained, dark green to black talc/chlorite ultramafic, fractured to brecciated with extensive talc and chlorite in between the fragments which are subrounded to locally fractured.					
156.2	188.9	(2b,chl,mag) **Pillowed Mafic Volcanic** (basaltic komatiite?) Medium grained, medium green, selvages are marked by increase in chlorite. The selvages are very irregular and have fragments of the basalt in the fine grained, chloritic matrix of the selvages. Flow top pillowed breccia. Unit is moderately to strongly magnetic. **169.6-176.1:** Ultramafic as above.					
188.9	212.8	(1a,tc/chl,bx,qtz) **Ultramafic** fine grained, dark green/black, locally veined with quartz and calcite, 5% overall, randomly distributed. Talc/chlorite abundant, contorted foliations generally with some brecciation as above. Pyrite occurs infrequently as large cluster to cubes 1cm in size or associated with calcite veins as smaller clusters. **208.0-212.8:** Unit becomes lighter green, weakly to moderately foliated at 47 degrees to core axis but remains chloritic and talcose. Quartz /carbonate zone 211.7 to 212.3m.	7435 7436 7437 7402	207.10 208.60 210.10 211.70	208.60 210.10 211.70 212.60	1.50 1.50 1.60 0.90	0.06 0.16 0.89 0.33

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
212.8	224.5	(2b,cal,py,aspy) **Basalt** fine grained, medium green to dark green, pillowed with brecciation at selvages as above. Unit contains increased veining of calcite and quartz. Minor sericite. Pyrite is minor except where noted. Small grey mineralized sections containing 5% pyrite as fine dissemination's possible fine aspy occur at 215.4-215.8 and 217.8-217.2m.	7403	212.60	214.10	1.50	0.13
			7404	214.10	215.40	1.30	0.01
			7405	215.40	215.80	0.40	0.62
			7406	215.80	216.80	1.00	0.01
			7407	216.80	217.20	0.40	1.41
			7408	217.20	218.70	1.50	0.14
			7409	218.70	220.20	1.50	0.01
			7410	220.20	221.70	1.50	0.01
			7411	221.70	223.20	1.50	0.01
			7412	223.20	224.50	1.30	0.01
224.5	241.4	(2a,sil,cal) **Massive Basalt** dark green to blackish grey, fine grained, locally siliceous, weakly mineralized with pyrite, calcitic matrix and calcite veins foliated at 58 degrees.	7413	224.50	225.50	1.00	0.01
			7414	225.50	226.50	1.00	0.06
			7415	226.50	228.00	1.50	0.01
			7416	228.00	229.50	1.50	0.16
			7417	229.50	231.00	1.50	0.01
			7418	231.00	232.50	1.50	0.01
			7419	232.50	234.00	1.50	0.01
			7420	234.00	235.50	1.50	0.01
			7421	235.50	237.00	1.50	0.01
			7422	237.00	238.50	1.50	0.01
			7423	238.50	240.00	1.50	0.06
			7424	240.00	241.10	1.10	0.07
241.4	244.85	(2a,py,wk sil) **Basalt** fine grained, dark green to bleached grey associated with pyrite veins. Pyrite is veined to nearly massive fine grained to medium grained. The mafics become grey, weakly siliceous with pyrite, and arsenopyrite. **241.4-243.5**: Pyrite 5% overall with veins subparallel to core axis, 10-15%. Mafics grey, bleached. **243.5-244.85**: 40% pyrite as fine dissemination's and local massive veins, and arsenopyrite 10%+.	7425	241.10	242.50	1.40	1.00
			7426	242.50	243.50	1.00	0.88
			7427	243.50	244.85	1.35	10.63
244.85	250.3	(1a,qtz,cal 80%) (Quartz/carbonate zone) quartz carbonate vein ultramafics-white veining in dark ultramafic. Veining is 70% of zone with quartz/calcite veins ~50%/50%. Pyrite nil to trace except at 245.4 meters where fine to medium grained, 10% over 2cm. Ultramafic is	7428	244.85	245.80	0.95	1.37
			7429	245.80	246.80	1.00	0.38
			7430	246.80	248.00	1.20	0.07
			7431	248.00	249.00	1.00	0.10
			7432	249.00	250.30	1.30	0.01

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	WIDTH	Au g/t
		talc/chlorite.					
250.3	269.0	(1a,tc/chl,cal) **Ultramafic** dark green to blackish, fine grained, talc/chlorite ultramafic with white, carbonate veining at 60 degrees to core axis and quartz subparallel to core axis. Unit locally crushed, fault gouge at 260.0-260.4, 265.8-266.4m. 261.9-263.1: Basaltic layer with 1-3% pyrite.	7433 7434	250.30 261.90	251.70 263.10	1.40 1.20	0.01 0.13
	9.0	END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
26.00	-46.00	150.00
100.00	-45.00	150.00
200.00	-44.00	150.00
269.00	-44.00	150.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-18
Collar Eastings: 4980.00
Collar Northings: 5910.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 266.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: June 24-JUNE 29,1996
Down-hole Survey: ACID
DATES LOGGED: JUNE 25-JULY 1,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0	19.0	(Ovb) **Overburden**					
19	108.1	(1a, cal, wk mag) **Ultramafic** - fine grained, medium to dark green to grey blue, talc chlorite ultramafic with local bands of mafic volcanics ~ 3m in width. The ultramafics are soft, weakly carbonated with calcite in fracture fillings and minor in the matrix. The upper section is highly fractured (19-37m) along talc/chlorite slips and the unit locally exhibits breccia fragments as at 40m. Unit is weakly magnetic decreasing down hole. The mafic volcanics (start at 45.2m) are dark green, granular in some sections and very fine grained, massive in shorter bands. Contacts are either broken or appear gradational. Mafics are also weakly magnetic. Sulphide content is low and is restricted to pyrite. Fine dissemination´s in the mafics and up to .5cm cubes in the ultramafics. -74-94- Calcite veining increases downhole with veins to 10 cm. Talc/chlorite carbonate veining randomly distributed.					
108.1	110.8	(2a,chl) **Mafic Volcanic** - fine grained, medium to dark green, massive chloritic, weakly mineralized basalt. Pyrite occurs as cubic grains, small to .3cm. Lower contact at 60 degrees to core axis.					
110.8	152.1	(1a,alt´d,ser,ank) **Altered Ultramafic** - fine grained, olive green to khaki in color, ankeritized, variably mineralized containing medium grey possibly albitic mafic volcanic layers. The mafic layers contain pyrite to 15% and minor arsenopyrite as fine "needles" to .4cm in length. The contacts between the units is at relatively low angles of 20-30 degrees. Quartz and ankerite veining ranges from nil to 20% of the core over 4 to 5m. Colour variations in the core are due to the intensity of the sericite alteration. Locally the unit becomes	7438	113.30	114.80	1.50	0.02
			7439	114.80	115.70	0.90	3.86
			7440	115.70	116.80	1.10	1.60
			7441	116.80	118.30	1.50	0.04
			7442	118.30	119.30	1.00	0.22
			7443	119.30	120.20	0.90	2.77
			7444	120.20	121.70	1.50	1.22
			7445	121.70	123.20	1.50	0.03
			7446	123.20	124.70	1.50	0.12
			7447	124.70	126.20	1.50	0.03

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	WIDTH	Au g/t
		sericite schist as at 120.1-120.7. Unit is brecciated over short sections with variable alteration on the fragments. - 114.8 - 120.2 - zone of quartz ankerite veining to 20% with small bands of grey mafics between veins containing 10-15% pyrite. - 129.2 - 140 - quartz ankerite veining, veins to 15cm, approximately 2-3m apart with altered ultramafics between. Pyrite content is generally low, except at 131.1 to 131.6 with 10 % pyrite and minor arsenopyrite.	7448	126.20	127.70	1.50	0.05
			7449	127.70	129.20	1.50	0.03
			7450	129.20	130.70	1.50	1.90
			7451	130.70	131.90	1.20	2.63
			7452	131.90	133.40	1.50	0.74
			7453	133.40	134.50	1.10	0.14
			7454	134.50	136.00	1.50	0.63
			7455	136.00	137.00	1.00	0.58
			7456	137.00	138.00	1.00	0.03
			7457	138.00	139.50	1.50	0.03
			7458	139.50	141.00	1.50	0.55
			7459	141.00	142.50	1.50	0.07
			7460	142.50	144.00	1.50	0.03
			7461	144.00	145.50	1.50	0.04
			7462	145.50	147.00	1.50	0.08
			7463	147.00	148.50	1.50	0.03
			7464	148.50	150.00	1.50	0.03
			7465	150.00	151.00	1.00	0.03
			7466	151.00	152.10	1.10	0.03
152.1	154.0	(2a,chl,fol) **Basalt** - fine to medium grained, dark green, chloritic with weak to moderate foliation's at 60 degrees to core axis. Pyrite 1-2% as fine dissemination's.					
154	164.1	(1a,tc/chl,ank) **Ultramafic** - fine grained, dark green to black, talc/chlorite, soft. Pyrite content is nil to trace. The unit is weakly altered with sericite. Ankerite veining is 10-15%.					
164.1	185.1	(1a,tc/chl,ank,cal) **Ultramafic** - fine grained dark green to black with talc/chlorite. Unit is generally unaltered except for carbonate veining; ankeritic to 168.3 becoming calcite to end of unit. Unit contains mafic volcanic bands from 1-2.5m containing 1-2% pyrite as fine dissemination's and small cubes.	7467	168.30	169.80	1.50	0.03
			7468	177.20	178.70	1.50	0.03
185.1	198.6	(1a,ank,ser) **Ultramafic** - fine grained, dark green to black talc/chlorite with 15%	7469	197.60	198.60	1.00	0.04

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		ankerite veining. Pyrite is nil. 195.9 - 198.6 - medium olive green with sericite alteration, heavy ankerite veining.					
198.6	205.1	(2a,sil,wk ser) **Mafic Volcanic** - fine grained, medium grey, siliceous, foliation's at 65 degrees to core axis. Pyrite as fine dissemination's and small veinlets, 5-10%. Quartz veining as small to 30cm veins white to locally greyish. Unit contains small ultramafic bands and is weakly sericitic.	7470	198.60	199.60	1.00	0.30
			7471	199.60	201.00	1.40	0.33
			7472	201.00	202.50	1.50	0.03
			7473	202.50	203.30	0.80	0.08
			7474	203.30	204.10	0.80	1.14
			7475	204.10	205.10	1.00	0.85
205.1	217.5	(1a,ser,ank,qtz) **Ultramafic** - fine grained, medium grey green to olive green depending on the sericite, ankerite alteration. Unit is locally brecciated with variable alteration of the fragments. Small mafic bands as described above with up to 5cm cubes of pyrite. Quartz veining is 20% of the unit. Pyrite content is nil to trace. - Visible gold at 206.5 in quartz veining. Nugget was smeared but was .4 x .3 cm.	7476	205.10	206.60	1.50	29.54
			7477	206.60	207.90	1.30	0.16
			7478	207.90	209.40	1.50	0.03
			7479	209.40	210.90	1.50	0.09
			7480	210.90	212.40	1.50	0.72
			7481	212.40	213.10	0.70	2.84
			7482	213.10	214.60	1.50	0.05
			7483	214.60	216.10	1.50	0.05
			7484	216.10	217.50	1.40	0.04
217.5	266.0	(1a,ank,tc/chl) **Ultramafic** - fine grained, medium grey green matrix hosting up to 40-50% ankerite and talc/chlorite veining randomly oriented. Locally weakly sericitic. Quartz veining as white 10cm veins occurring every 1-2m occasionally more frequently. Minor pyrite and very rarely chalcopyrite associated with veining. - 253.5-257.0- quartz veined section with ankerite 60% of the core. Quartz is white bullish in appearance with no pyrite. Minor to 15% of the quartz is fragments of ultramafic. The ultramafic unit is ankeritized to the end of the hole, weakly sericitic, with talc+/- talc. The ultramafic is grainy in appearance from 250-266. Foliation is 35 degrees to the core axis.	7485	226.40	227.80	1.40	0.11
			7486	253.50	255.00	1.50	0.07
			7487	255.00	256.00	1.00	0.03
			7488	256.00	257.00	1.00	0.08
			7489	257.00	258.50	1.50	0.03
266	266	End of Hole.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-44.00	180.00
200.00	-44.00	180.00
266.00	-44.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-19
Collar Eastings: 5115.00
Collar Northings: 5735.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 176.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: JUNE 29-JULY 2,1996
Down-hole Survey: ACID
DATES LOGGED: JUNE 29-JULY 2,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0	20.0	(Ovb) **Overburden** - overburden to 20m with casing to 21.0m					
20	82.8	(1a,tc/chl,cal) **Ultramafic** - fine grained, medium green to dark green black, talc/chlorite ultramafic. Talc/chlorite fillings are randomly oriented from sub parallel to 80 degrees to core axis. Locally the unit appears brecciated with fragments 2-4cm. Calcite veining and in the matrix is variable from nil to 10%. Veins are white, <1cm in width. The unit is highly fractured over most of the core length. It is broken and crushed with pieces generally < 20cm and frequently <2cm. Lost core ~ 1m occurs at 27m with only fault gouge recovered. Unit contains layers of Baasaltic material generally < 1m except as noted below. - 67-73 - Basalt - fine grained medium green, chloritic, massive containing 1% pyrite as cubes to .3cm and small veinlets asssociated with calcite veining.					
82.8	95.3	(2a,cal,chl) **Basalt** - fine grained, massive, dark green chloitic with small sections of ultramafic volcanics with talc/chlorite, lessthan 10cm in length. Unit is weakly mineralized with pyrite on fracture planes <1mm in width and as minor disseminations. Quartz veining is minor. Lower contact is crushed, upper contact 85 degrees to core axis. Unit is calcitic.	7490 7491 7492 7493	89.50 91.00 92.50 94.00	91.00 92.50 94.00 95.30	1.50 1.50 1.50 1.30	0.03 0.03 0.03 0.03
95.3	135.5	(1a,ank,ser,qtz) **Ultramafic** - fine grained, medium green to grey green in heavily ankeritized sections. Unit is moderately sericitic. Unit is carbonatized with ankerite in the matrix and as veins to 30% over1-2m. quartz veining increases after 110m. Samll mafic bands containing 10-15% pyrite occur below 111.0. The mafic bands are 1-1.5m in length and are relatively associated with	7494 7495 7496 7497 7498 7499	110.60 112.10 113.60 115.10 116.10 131.70	112.10 113.60 115.10 116.10 117.20 132.70	1.50 1.50 1.50 1.00 1.10 1.00	0.03 1.10 0.03 0.41 0.38 0.03

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		increase in quartz veining as at 116.1-117.2m. Brown tourmaline occurs with some quartz veins. Ankerite continues to 135. Small mineralized mafic section at 132.6-132.7m followed by a highly sericitized section to 133.3, fault gouge??.					
135.5	140.0	(2a,cal) **Basalt** - fine grained, dark green chloritic, massive. Contact with ultramafic at 60 degrees to core axis. Calcite veining small <.3cm randomly oriented in fractures. Minor pyrite as cubes to .3cm.					
140.0	176	(1a,tc/chl,cal) **Ultramafic** - fine grained, medium to dark green in upper section becoming dark green to blacktalc/chlorite ultramafic. Minor sulfides as cubes of pyrite to .4cm. Unit contains bands of mafic volcanic to 3m but are generally 1m with slight increase in pyrite as cubes and fine disseminations. - 152.9 - 154.2 - mafic volcanic - contacts at 40 degrees to core axis. - 160.1 - 164.7 - alternating bands of mafic and ultramafic volcanics. Pyrite 1-2% as disseminations and very fine veinlets. Contacts at 60 degrees to core axis.	7500 10001	162.40 167.40	163.70 168.50	1.30 1.10	0.03 0.03
176	176	(EOH)					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-45.00	180.00
176.00	-44.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-20
Collar Eastings: 5100.00
Collar Northings: 6400.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 272.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: JULY 2-JULY 5,1996
Down-hole Survey: ACID
DATES LOGGED: JULY 2-JULY 5,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0	29.5	(Ovb) **Overburden** - casing to 30.0 meters.					
29.5	39.0	(2b,cal) **Pillowed Mafic Volcanic** - fine grained, medium green, calcite in matrix and as small veinlets. Unit is pillowed to 31m with small pillows<10cm apart. Small brecciated, healed, zone at 32.6-32.7m with fragments siliceous and a slight increase in pyrite. - 34.9-37.8 - quartz veined zone with 15% white quartz veins with 5% pyrite as dissemination's in mafics and as fine smears or veinlets around the edges of the quartz veins. Brecciated zone 36.5-37.8 with siliceous fragments and slight increase in pyrite/pyrrhotite.	10002 10003 10004 10005	34.90 35.50 36.50 37.80	35.50 36.50 37.80 39.00	0.60 1.00 1.30 1.20	0.01 0.01 0.02 0.01
39.0	96.0	(1a,tc/chl,cal) **Ultramafic** - fine grained, dark green grey to black, talc/chlorite ultramafic. Unit is generally soft but in areas of brecciation hardness increases to weakly siliceous in nature. Brecciated section have talc/chlorite between "fragments". Where carbonate exists, it is calcite. Unit is locally fractured and has minor crushing with 1 meter of lost core around 56 meters. 76.4-79.0 - (2b) **Mafic Volcanic** - medium green, pillowed with brecciated pieces in pillow selvages. Contact upper 45 degrees to core axis, lower ground.					
96.0	102.9	(2c,w sil,chl) **Mafic Flow Breccia** - fine grained, medium green with brecciated fragments to 3 or 4 cm angular to subrounded. Unit may be weakly silicified, and is chloritic in finer material between the fragments. Contacts are not distinct and are crushed calcite.					

FROM	TO	LITHOLOGICAL DESCRIPTION
102.9	141.9	(1,cal) **Ultramafic** - fine grained, medium to dark green chloritic, talcose in matrix. Locally the unit has a mafic appearance and is probably a basaltic komatiite?? Calcite occurs in matrix and as small veinlets to 12 cm. Local mottling occurs with carbonate, fish scale. Whole rock sample taken at 107.4 meters. Small layers of very fine siliceous material occur infrequently and are <10cm wide. Lower contact at 45 degrees to core axis.
141.9	161.4	(1a,tc/chl) **Ultramafic** - fine grained, dark green to black talc chlorite ultramafic unit is calcite veined randomly. Fracturing and crushing occur throughout the unit. Foliation increase towards bottom to nearly schistose at 50 degrees to core axis.
161.4	233.0	(2b,chl,cal,ser,py,aspy) **Mafic Volcanic** - pillowed, fine grained, light to medium green with dark green pillow selvages ranging from 1-5 meters apart. Some selvages have fragments in the chloritic matrix fine material. Upper 5 meters of unit is brecciated flow top. Unit has minor to 1% pyrite locally except as noted below. Calcite veining throughout increasing below 185 meters. Unit foliated at 55 degrees to core axis. 188.0-192.5: Pyrite occurs in small bleb like concentrations and infrequently as fine veinlets. 192.5-194.0: Brown grey, fine grained layer with sericite alteration minor quartz veining with tourmaline. Pyrite is very fine to small cubes to 10% and arsenopyrite as fine needles to 0.2 cm long ,1-2%. 194.0-210.0: Local areas where pyrite increases in selvages. Calcite veining continues. 223.0-233.0: Unit continues to be pillowed but is also foliated at 60 degrees. Basalt is darker green more chloritic with increase in calcite veining.

	ASSAYS			
SAMPLE No.	FROM	TO	WIDTH	Au g/t
10006	167.80	168.80	1.00	0.02
10007	168.80	170.00	1.20	0.03
10008	170.00	171.50	1.50	0.01
10009	171.50	173.00	1.50	0.01
10010	173.00	174.20	1.20	0.01
10011	188.00	189.50	1.50	0.01
10012	189.50	191.00	1.50	0.03
10013	191.00	192.50	1.50	0.11
10014	192.50	194.00	1.50	1.08
10015	194.00	194.80	0.80	0.08
10016	194.80	196.00	1.20	0.05
10017	200.00	201.00	1.00	0.31
10018	206.90	208.00	1.10	0.01
10019	208.00	209.40	1.40	0.01
10020	223.80	224.80	1.00	0.03
10021	224.80	225.10	0.30	1.06
10022	225.10	225.80	0.70	0.02
10023	225.80	227.30	1.50	0.01
10024	227.30	228.80	1.50	0.01
10025	228.80	230.00	1.20	0.01
10026	230.00	231.10	1.10	0.01

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		224.8-225.1: Bleached weakly pyritized.					
		225.1-225.7: Continues to be bleached but pyrite nil, brecciated.					
		226.0-233.0: Weak pyrite as fine dissemination's <1%.					
233.0	272.0	(1a,tc/chl) **Ultramafic** - fine grained, dark green, black to medium dark green. Medium to dark green sections are harder than the black talc/chlorite sections. Unit is calcite veined weakly to locally moderate. Weakly foliated at 60 degrees to core axis. No significant sulfides or quartz veining.					
		250.0-258.5: Fault Zone-gouge, brecciated crushed. Gouge sections to 20 cm.					
272.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-43.00	180.00
200.00	-42.00	180.00
272.00	-41.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-21
Collar Eastings: 5300.00
Collar Northings: 6400.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 302.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: JULY 5-JULY 8,1996
Down-hole Survey: ACID
DATES LOGGED: JULY 7-8,1996

DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0	26.5	(Ovb) **Overburden** - casing to 27.0 meters.					
26.5	67.0	**Pillowed Basalt** - fine grained, light to medium green locally greyish in areas of alteration on pillow selvages. Unit is weakly epidotized, usually associated with calcite veining. Quartz veining is random <10cm in width and mainly occurs above 41 meters. Pillows are <0.5 meters to 2 meters apart. Pyrite is minor and occurs as very fine veinlets in selvages. Hyaloclastitic material occurs below 48 meters as dark green black <1mm to 2mm pieces. Unit is weakly foliated at 60 degrees to core axis. Calcite is white in small veins and as small inter-matrix fragments. Bleached selvages are weakly siliceous, and contain epidote.					
67.0	76.5	**Basalt** - intermixed layers of above and more massive, medium green layers which contain more epidote than above. Veining is calcite and units have calcite in the matrix.					
76.5	85.4	**Pillowed Basalt** -fine grained, light green to greyish in areas of bleaching and slight silicification. Selvages are again marked by fine chloritic material with minor pyrite in the selvages. The pillows are vesicular with calcite fillings. Unit has a foliation at 75 degrees to core axis and locally steeper. Calcite veins are mainly brittle fracture fillings <1mm in width. Quartz veins are infrequent but where they occur, have minor pyrite and rarely chalcopyrite associated with pyrrhotite.					
85.4	98.7	**Ultramafic** -fine grained, medium green grey to dark green, well foliated ultramafics. Colour variations are due to calcite veining which is very abundant to 25% especially in the upper sections of the unit. Interlayered bands of mafic volcanic massive dark green occur as up to 2.7 meter width layers as noted.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		88.6-90.1; 92.5-95.2; 96.0-98.7: Lower contact of unit is at 35 degrees to core axis while the foliation in the ultramafics is at 75 degrees to core axis.					
98.7	106.1	**Ultramafic** - fine grained, dark green to black talc/chlorite ultramafic. Unit is brecciated in appearance with fragments to 4 cm with talc/chlorite fillings between fragments.					
106.1	122.4	**Ultramafic** -fine to medium grained, massive, medium to dark green ultramafic. Unit is less talcose then above, harder with no brecciation. Talc/chlorite veining is less frequent and narrower than above.					
122.4	151.0	**Ultramafic** -fine to medium grained, dark grey green to black talc/chlorite ultramafic with brecciation appearance returning especially below 125 meters. Unit is moderately to locally strongly magnetic. Talc/chlorite fragment fillings is common. Calcite is present as veins minor and in the matrix.					
151.0	155.1	**Mafic Volcanics** -fine grained, light green/low breccia, with matrix between fragments dark green, chloritic. Fragments to 5cm angular to locally sub-rounded. Fragments are hard, while the matrix is soft.					
155.1	176.0	**Mafic Volcanic** (Basaltic Komatiite) -fine to medium grained, dark green, unit is variably in hardness from more mafic to ultramafic. Some talcose/chlorite area exist but unit is generally massive.					
176.0	230.2	**Ultramafic** -fine grained, dark green to blackish, unit is fractured, broken as above with talc/chlorite between fragments. Minor calcite veining and nil to minor quartz. Pyrite occurs as small clusters very infrequent. Calcite veining is variable (1-2cm width) and causes colour variations to medium to dark green grey. Unit contains small bands of more mafic material < 1 meter in width. Foliation's locally are 65 degrees to core axis.	2	175.00	176.50	1.50	NIL
			10027	190.10	191.20	1.10	0.03
			10028	199.30	200.30	1.00	0.03
			10029	200.30	201.30	1.00	0.03

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		190.7-191.1: Mafic-2% pyrite as cubes and small veinlets.					
		199.4-201.0: Mafic-1% pyrite as small cubes minor disseminations and small veinlets.					
		211.0-220.0: Fault zone area with gouge highly crushed core.					
230.2	251.8	**Ultramafic** -fine grained, medium to dark green, soft, more massive than above and not fractured. Unit is variably foliated at 60 degrees to core axis. Granular appearance over 1-2 meters possible basaltic komatiite. Calcite in veins <2cm wide infrequent and in matrix resulting in some colour variations to lighter green. Increasingly talcose towards end of unit, i.e. below 245 meters.	10030	234.10	234.80	0.70	0.03
		234.1-234.8: Mafic layer with biotite alteration and 1-2% associated pyrite. Contacts at 30 degrees upper and 50 degrees lower with some contortion of contact. Contact 45 degrees.					
251.8	279.0	**Mafic Volcanic** -fine to medium grained. Medium green with dark green chloritic "veins" or possible pillow selvages. Pillows, if present, are not well formed or maybe broken with chlorite between the pieces. Locally, the unit exhibits a variolitic texture with varioles to 0.5 cm. Areas of coalesced varioles may be reflected as more massive zones. Calcite veining and brittle fracture fillings increase down hole. Minor amounts of chalcopyrite noted infrequently. Lower contact 65 degrees to core axis.					
279.0	302.0	**Ultramafic** -fine grained, dark green to black talc/chlorite ultramafic. Unit is crushed and broken with numerous fault gouge sections, as at 281.5-282.1, 286.5-288.0. Foliation at 60 degrees to core axis.					
302.0		END OF HOLE					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	WIDTH	Au g/t

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-43.00	180.00
200.00	-43.00	180.00
302.00	-41.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-22
Collar Eastings: 5050.00
Collar Northings: 5840.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -60.00
Grid Bearing: 180.00
Final Depth: 320.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: July 9-14,1996
Down-hole Survey: ACID
DATES LOGGED: JULY 10-14,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t	Au check
0.0	9.0	(Ovb) **Overburden**						
9.0	20.2	(2a,cal,py) **Mafic Volcanic** - fine to medium grained, dark green, intermixed with medium grey green talc/chlorite ultramafic. Contact between units are 30 degrees as is the foliations in the ultramafics. Mafics are massive non-magnetic and contain 1-3% pyrite as cubes to 0.2 cm and fine veinlets associated frequently with calcite veining. The ultramafics are fine grained, carbonated with calcite in matrix and veins. Colour due to carbonate and minor quartz veins. Diabase 15.3-20.2 meters.	10031 10032 10033 10034 10035	10.10 15.30 16.80 18.30 19.30	11.10 16.80 18.30 19.30 20.20	1.00 1.50 1.50 1.00 0.90	0.01 0.01 0.03 0.01 0.01	N.A. N.A. N.A. N.A. N.A.
20.2	77.5	(1a.tc/chl,cal) **Ultramafic** - fine grained, medium grey green to dark green grey to locally black, talc/chlorite ultramafic with abundant calcite and talc/chlorite veining. Upper section of the unit contains small mafic bands as above with large cluster cubes of pyrite, minor pyrrhotite. Unit is generally massive with local foliations weak at 40 degrees to core axis. Calcite veins are up to 2cm wide infrequent. Minor quartz veins. Minor clusters of fine pyrite to 0.5 cm. 44.0-77.5: Calcite veining greatly increases to 15-20% of unit. Width increases up to 30cm as at 54.6-55.3 meters. Talc/chlorite veining is also increased. Minor sulfides.	10036	23.20	24.00	0.80	0.04	N.A.
77.5	82.9	(1a.tc/chl,ank) **Ultramafic** - fine to medium grained, medium grey green to green, talc/chlorite/carbonated ultramafic. Ankerite altered 10-15% as veins and in matrix. Unit is highly foliated at 50 degrees to core axis. Weakly pyritic with 3-5% pyrite. Quartz veining is minor increasing down unit to 5% white minor pyrite.	10037 10038 10039 10040	77.50 79.00 80.50 81.50	79.00 80.50 81.50 82.90	1.50 1.50 1.00 1.40	0.03 0.27 0.10 0.03	N.A. N.A. N.A. N.A.
82.9	159.0	(Alt´d 1a,ser,ank,qtz,py,fu)	10041	82.90	84.10	1.20	1.71	1.56

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-22

FROM	TO	LITHOLOGICAL DESCRIPTION
		Altered Ultramafic
		- fine grained, khaki to light green, sericitized, ankeritized and quartz veined. Quartz veining is highly variable from nil to locally "flooded" as from 86.5-93.1 Quartz is white to grey depending on the ankerite, mineralization is 1% generally in veined areas. Unit contains grey mafic layers which host increased pyrite. Fuchsite occurs randomly as at 97, 99 etc. Grey mafic layers are massive, generally from sharp contacts at 55 degrees to core axis.
		82.9-84.1: Mafic medium green with 5-10% pyrite as disseminations and cluster veins. Forms sharp contact at 84.1-55 degrees to core axis.
		86.5-92.1: Quartz carbonate veined to 30%, locally flooded. Pyrite 1-2%.
		94.0-96.7: Mafic-grey minor sulfides.
		97.7-98.4: Mafic-grey 3-5% pyrite.
		98.4-109.5: 5% quartz and/or carbonate veined minor sulfides.
		110.7-112.3: Grey mafic, ankeritic pyritized, 5% plus as cluster veins and fine disseminations. Minor quartz veins.
		112.3-119.0: Numerous small 20-30cm grey mafic bands with nil to trace pyrite.
		120.5-124.0: 10-15% quartz veining with ankerite and nil pyrite.
		124.0-140.3: Alteration continues, sericite increases slightly with numerous 10-15% grey ankerite/quartz veins.
		140.3-144.8: Quartz/ankerite zone with veining 20-25% of zone. Pyrite minor to trace.
		144.8-159.0: Altered, minor quartz frequent grey ankerite veins, nil to trace pyrite, alteration weakens 157.5-159.0.

	ASSAYS				
SAMPLE No.	FROM	TO	WIDTH	Au g/t	Au check
10042	84.10	85.10	1.00	1.78	2.42
10043	85.10	86.50	1.40	0.24	0.18
10044	86.50	87.30	0.80	20.64	37.85
10045	87.30	88.30	1.00	0.16	0.29
10046	88.30	89.40	1.10	0.24	0.30
10047	89.40	90.40	1.00	0.07	N.A.
10048	90.40	91.30	0.90	0.17	N.A.
10049	91.30	92.10	0.80	0.07	N.A.
10050	92.10	93.00	0.90	0.07	N.A.
10051	93.00	94.00	1.00	0.12	N.A.
10052	94.00	95.30	1.30	0.89	N.A.
10053	95.30	96.70	1.40	0.69	N.A.
10054	96.70	97.70	1.00	0.20	N.A.
10055	97.70	98.50	0.80	0.27	N.A.
10056	98.50	100.00	1.50	0.06	N.A.
10057	100.00	101.50	1.50	0.82	N.A.
10058	101.50	103.00	1.50	0.10	N.A.
10059	103.00	104.50	1.50	0.03	N.A.
10060	104.50	106.00	1.50	0.03	N.A.
10061	106.00	107.50	1.50	0.03	N.A.
10062	107.50	109.00	1.50	0.03	N.A.
10063	109.00	110.00	1.00	0.03	N.A.
10064	110.00	110.70	0.70	0.03	N.A.
10065	110.70	112.30	1.60	1.80	N.A.
10066	112.30	113.80	1.50	0.30	N.A.
10067	113.80	115.30	1.50	1.03	N.A.
10068	115.30	116.80	1.50	0.16	N.A.
10069	116.80	118.30	1.50	1.50	N.A.
10070	118.30	119.80	1.50	0.06	N.A.
10071	119.80	121.30	1.50	0.03	N.A.
10072	121.30	122.70	1.40	0.03	N.A.
10073	122.70	124.00	1.30	0.03	N.A.
10074	124.00	125.00	1.00	0.03	N.A.
10075	125.00	126.50	1.50	0.12	N.A.
10076	126.50	128.00	1.50	0.09	N.A.
10077	128.00	129.50	1.50	0.06	N.A.
10078	129.50	131.00	1.50	0.04	N.A.
10079	131.00	132.50	1.50	0.04	N.A.
10080	132.50	134.00	1.50	0.03	N.A.
10081	134.00	135.50	1.50	0.06	N.A.
10082	135.50	137.00	1.50	0.03	N.A.
10083	137.00	138.50	1.50	0.04	N.A.
10084	138.50	139.50	1.00	0.06	N.A.

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t	Au check
			10085	139.50	140.30	0.80	0.03	N.A.
			10086	140.30	141.80	1.50	0.07	N.A.
			10087	141.80	143.30	1.50	0.03	N.A.
			10088	143.30	144.80	1.50	0.03	N.A.
			10089	144.80	146.00	1.20	0.03	N.A.
			10090	146.00	147.50	1.50	0.03	N.A.
			10091	147.50	149.00	1.50	0.03	N.A.
			10092	149.00	150.50	1.50	0.03	N.A.
			10093	150.50	152.00	1.50	0.03	N.A.
			10094	152.00	153.50	1.50	0.03	N.A.
			10095	153.50	155.00	1.50	0.03	N.A.
			10096	155.00	156.50	1.50	0.03	N.A.
			10097	156.50	158.00	1.50	0.03	N.A.
			10098	158.00	159.00	1.00	0.03	N.A.
159.0	212.0	(1a,tc/chl,ank) **Ultramafic** - fine grained, dark green to black soft talc/chlorite ultramafic. Unit contains 25-30% ankerite as veins and in the matrix to 173.0. Quartz veins are white as infrequent except as noted. Pyrite is nil. 159.0-161.1: Quartz veined area-15% quartz with ankerite veining. White to locally grey. 173.0-236.0: Unit becomes calcite veined and has calcite in the matrix. No sericite alteration but unit does contain small <1m bands of mafic volcanics. The units are massive, and contain pyrite as large cubes. 218.4-219.4: Mafic volcanics with large cubes of pyrite to 1cm and very fine disseminations of arsenopyrite (?) silver grey but not as needles. Mafic bands: 224.8-225.2; 227.1-227.3. 232.6-236.0: Mafic band with cubes of pyrite, 1% minor fine disseminations.	10099	159.00	160.00	1.00	0.16	N.A.
			10100	160.00	161.50	1.50	0.14	N.A.
236.0	260.0	(1a,ank) **Ultramafic** - fine grained, ultramafic, dark green to black as above but the carbonate is ankerite. The ankerite is 20-30% of the unit as veins and dissemination locally disseminations are very	10101	218.40	219.40	1.00	0.03	N.A.
			10102	232.60	233.60	1.00	0.03	N.A.
			10103	233.60	234.80	1.20	0.03	N.A.
			10104	234.80	236.00	1.20	0.03	N.A.
			10105	245.10	246.10	1.00	0.03	N.A.

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t	Au check
		concentrated as at 251.9-252.5 meters. Unit again contains mafic layers as above with pyrite cubes and disseminations. Fault zone gouge at 247.9-249.0.	10106	249.20	250.20	1.00	0.03	N.A.
			10107	250.20	251.20	1.00	0.03	N.A.
			10108	251.20	252.20	1.00	0.03	N.A.
		249.2-251.9: Mafic-pyrite.						
		258.5-260.0: Mafic volcanic-no pyrite.						
260.0	284.0	(1a,tc,ank,ser)	10109	260.70	261.70	1.00	0.03	N.A.
		Ultramafic	10110	261.70	262.80	1.10	0.03	N.A.
		- fine grained, medium green to green grey to olive green. Unit contains 30-40% veining of ankerite/talc. The alteration intensity increases with sericite alteration, locally moderate to high. Some of the sericitic areas are associated with mineralized mafic bands and one 30cm quartz vein which has minor pyrite <1%. The matrix also contains granular ankerite. The mafic bands are usually massive with 1-2% pyrite as clusters and minor disseminations. Locally the unit becomes grey, siliceous, and has increased disseminated pyrite and quartz veining as at 264.2 meters.	10111	262.80	264.20	1.40	0.03	N.A.
			10112	264.20	265.50	1.30	0.40	N.A.
			10113	265.50	267.00	1.50	0.03	N.A.
			10114	271.20	272.20	1.00	0.03	N.A.
			10115	272.20	273.20	1.00	0.03	N.A.
			10116	273.20	274.70	1.50	0.03	N.A.
			10117	274.70	276.00	1.30	0.03	N.A.
			10118	276.00	277.00	1.00	0.03	N.A.
		262.8-264.2: Mixed mafic and sericitized ankeritized ultramafic.						
		264.2-265.5: Mafic, moderately altered, 1-3% pyrite, siliceous at upper contact 40 degrees to core axis.						
		272.2-273.2: 40cm of quartz/ankerite veining, minor pyrite.						
		274.7-277.0: Sericitized, ankeritized, ultramafic with 20cm altered mafic band at 276.5-276.7 meters, minor pyrite.						
		284.0: End of foliation related veining. Ankerite, talc and minor quartz veined to 25% of unit to 284.0 meters. Foliations at 55 degrees to core axis.						
284.0	320.0	(1a,tc/chl,cal)	10119	293.80	295.00	1.20	0.02	N.A.
		Ultramafic	10120	295.00	296.00	1.00	0.02	N.A.
		- fine grained, dark green to black talc/chlorite ultramafic. The unit is not foliated as above and the carbonate has changed to calcite. The veining is random at subparallel to 90 degrees to core axis. The calcite veins are white up to 3cm wide, locally associated with quartz and very minor pyrite.						

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t	Au check
		293.8-296.0: Mafic volcanic-fine to medium grained, dark green with calcite veins as fracture fillings and one vein 1cm in width. Minor pyrite as fine disseminations and < 0.2 cm cubes.						
320.0		END OF HOLE						

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-58.00	180.00
200.00	-57.00	180.00
320.00	-56.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-23
Collar Eastings: 5200.00
Collar Northings: 6430.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -60.00
Grid Bearing: 180.00
Final Depth: 326.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: July 15-July 19, 1996
Down-hole Survey: ACID
DATES LOGGED: JULY 15-JULY 19,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	30.0	(Ovb) **Overburden**					
30.0	39.3	(2a,Mg-thol,cal) **Basalt-Mg Tholeiite** - fine grained, pale green massive with calcite-white to grey veins, 1-2cm and quartz veining increasing towards the end of the unit. <5% as white veins to 10cm. Minor sulfides <1% to trace.					
39.3	50.0	(2a,loc 2c,qtz,cal) **Basalt** - fine grained, medium green, locally coarser grained with minor sulfides, appears to become pillowed towards end of unit. 39.3-39.7: Flow Breccia-fine breccia with fragments to <1cm. 39.7-42.8: Quartz veined zone with 5-10% white quartz veins with probable feldspar pink-minor pyrite.	10121 10122	39.70 41.20	41.20 42.80	1.50 1.60	0.05 0.02
50.0	76.4	(2b,epid) **Pillowed Basalt** - fine grained, medium green to olive green, epidote. Pillowed are locally small but increase in size down unit. Unit has minor pyrite. Unit locally appears foliated. Quartz possible tourmaline. 50.0-50.3: Iron formation-minor interflow sediment, minor pyrite, magnetic foliated at 55 degrees to core axis.	10123	50.00	51.00	1.00	0.02
76.4	90.8	(2a.cal) **Basalt** - fine grained, medium green, moderately to locally strongly foliated at 55 degrees to core axis. Calcite as fine veins in foliations generally and random veins minor quartz.					
90.8	102.2	(2a,chl,po,py)	10124	90.80	91.80	1.00	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION
		Basalt - fine grained, medium green massive basalt hosting calcite veining and minor quartz with local chlorite concentrations. Minor sulfides as pyrite and locally pyrrhotite. 90.8-91.0: 20cm iron formation as pyrrhotite and magnetic dark grey to black. Weak foliations at 55 degrees in iron formation and 0.5m below. 100.6-101.6: Mineralized with pyrite <1% as small disseminations and fine veinlets. Bleached and contorted banding to 102.2m.
102.2	120.0	(1a,tc/chl,cal) **Ultramafic** - fine to medium grained, dark green to black talc/chlorite ultramafic. Unit has a brecciated appearance with talc/chlorite fillings between 4-5cm fragments. Unit is soft, weakly calcitic.
120.0	146.6	(2a,tc,chl,cal) **Mafic Volcanics-Basaltic Komatiite** - fine to medium grained, medium green, weakly talcose locally chloritic massive to weakly foliated. Minor fracture fillings of calcite, possibly pillowed.
146.6	209.3	(1a,chl) **Ultramafic** - fine grained, dark green to black brecciated appearance as above, minor calcite. Unit is locally faulted or heavily sheared. Possible pillows locally. 177.5-179.8: Massive, no brecciation, increased calcite. 193.8-199.0: Massive to weakly foliated, increased calcite dark green chloritic talcose-50 degrees to core axis.
209.3	221.6	(2b,chl,cal) **Pillowed Basalt** - fine grained, medium green to dark green chloritic between pillows. The pillows are irregular to broken. Selvages are chlorite filled and contain small to 2cm fragments of the pillows. Unit is relatively unfoliated. Calcite as irregular veins to 1cm.

ASSAYS

SAMPLE No.	FROM	TO	WIDTH	Au g/t
10125	91.80	92.80	1.00	0.02
10126	100.60	101.60	1.00	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
221.6	240.5	(1a,tc/chl,cal) **Ultramafic** - fine grained, dark green to black talc/chlorite ultramafic foliated to 226.1 were it becomes brecciated in appearance as above. Calcite foliation fillings to larger 2cm veins in brecciated portions. 232.4-233.4: Bleached ultramafic, fine grained, pale green soft. 234.5-236.5: Unit is weakly foliated, increased calcite veining and 1% pyrite as fine disseminations to small vein clusters. Pyrite is unusually bright yellow.	10127	234.50	235.50	1.00	0.02
			10128	235.50	236.50	1.00	0.03
249.5	273.3	(2b,cal,py,aspy,ank,ser,sil) **Basalt** - fine grained, medium to dark green, massive to foliated 70 degrees to core axis. Local areas are pillowed as at 255.5 to 257.0. Upper section of unit has well foliated ultramafic calcite veined-245.0-247.4m. 247.4-266.4: Foliated basalt hosting small 10cm to 40cm bands of grey mineralized zones with pyrite and fine arsenopyrite foliated at 65 degrees to core axis. 266.4-273.3: Mineralized zones widen to 1.0-1.5 meters. Zones are grey with fine arsenopyrite and pyrite. Mineralization to 25% over the mineralized width. Mineralized zones are ankeritized. 247.4-253.8: Weakly mineralized with disseminated pyrite and small infrequent bleached grey to grey green sericitic layers to 10cm. 253.8-254.3: 25% pyrite, sericitized, 5% quartz, siliceous. 254.3-262.7: Light green, fine grained basalt with 1-2% pyrite. 262.7-266.3: Mineralized zones are wider to 0.9m and more frequent. 262.7-263.6 siliceous, grey, well mineralized with 10% pyrite, 10% quartz. 266.3-267.4: Grey siliceous, well mineralized with pyrite,	10129	240.50	242.00	1.50	0.09
			10130	242.00	243.00	1.00	0.02
			10131	243.00	244.00	1.00	0.04
			10132	244.00	245.10	1.10	0.08
			10133	245.10	246.10	1.00	0.03
			10134	246.10	247.40	1.30	0.06
			10135	247.40	248.70	1.30	0.06
			10136	248.70	249.70	1.00	0.37
			10137	249.70	250.80	1.10	0.05
			10138	250.80	251.90	1.10	1.01
			10139	251.90	252.90	1.00	0.07
			10140	252.90	253.80	0.90	0.22
			10141	253.80	254.30	0.50	4.43
			10142	254.30	255.80	1.50	0.09
			10143	255.80	257.30	1.50	0.04
			10144	257.30	258.80	1.50	0.06
			10145	258.80	260.30	1.50	0.06
			10146	260.30	261.80	1.50	0.35
			10147	261.80	262.70	0.90	0.38
			10148	262.70	263.60	0.90	2.75
			10149	263.60	264.80	1.20	0.40
			10150	264.80	266.30	1.50	0.18
			10151	266.30	267.40	1.10	3.34
			10152	267.40	267.90	0.50	0.45
			10153	267.90	269.00	1.10	6.25
			10154	269.00	270.50	1.50	0.17
			10155	270.50	271.40	0.90	3.80
			10156	271.40	272.40	1.00	5.34
			10157	272.40	273.30	0.90	12.25

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		arsenopyrite to 15-20%.					
		267.4-267.9: Medium green, weakly mineralized.					
		267.9-269.0: Grey siliceous, with 10-15% pyrite, minor quartz.					
		269.0-270.5: Dark green calcite veined in fracture with minor mineralized veins <1% pyrite.					
		270.5-272.4: Siliceous mineralized 10-15% pyrite arsenopyrite 10% quartz.					
		272.4-273.3: Coarse pyrite zone to 50% pyrite, 10% quartz.					
273.3	276.2	(Qtz vein/Ank) **Quartz Carbonate Zone** - quartz veined with calcite to dolomitic carbonates, minor to nil sulfides.	10158 10159 10160	273.30 273.90 274.90	273.90 274.90 276.20	0.60 1.00 1.30	0.29 0.08 0.57
276.2	326.0	(la,tc/chl,cal) **Ultramafic** - fine grained, dark green to blue black, talc/chlorite ultramafic. Carbonate, calcite veining is abundant as random veins to 2cm and foliation veins <0.2mm. Locally the veining is 30% of the unit.	10233 10234 10161 10162 10235	276.20 277.20 292.40 293.40 294.90	277.20 278.20 293.40 294.90 296.00	1.00 1.00 1.00 1.50 1.10	0.21 0.02 0.44 1.06 0.10
		292.4-293.4: Ultramafic-pyrite 1-2%.					
		293.4-294.9: Mafic with pyrite, minor arsenopyrite 2-3% as disseminations and fine veins.					
		305.8-307.0: Chloritic ultramafic. Veining decreases downhole.					
326.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
100.00	-56.00	180.00
200.00	-56.00	180.00

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	WIDTH	Au g/t

DEPTH	INCLINATION	BEARING
326.00	-51.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-24
Collar Eastings: 6500.00
Collar Northings: 4600.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -45.00
Grid Bearing: 180.00
Final Depth: 305.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: JULY 22-26, 1996
Down-hole Survey: ACID
DATES LOGGED: JUNE 25-,1996
DRILLED ON P779837

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	30.0	(Ovb) **Overburden**
30.0	90.1	(5b,ser,ank,qtz,loc fu) **Greywacke** - altered-fine to medium grained, sericite green to khaki, grey in less altered sections or beds. Alteration intensity appears to be somewhat related to grain size (observation). Unit is weakly mineralized with pyrite as very fine dissemination´s although local clusters occur as well as fine veins. Alteration is variable sericitization, ankeritization and very local infrequent fuchsite. Quartz veining is variable from nil to 1 vein per meter, generally <4cm wide and 85 degrees to core axis. Foliation´s are 80-85 degrees to core axis with minor contorted beds generally in more highly altered zones. The following will describe various zones within the main unit. Alteration intensity will be bared on sericitization because the unit is generally equally ankeritized. 30.0-39.9: moderately altered, limonite stained to 38.2 meters. 39.9-40.9: moderately to strongly altered, weak mineralization, minor quartz veining. 40.9-42.1: conglomerate layers, highly altered minor fuchsite. 42.1-56.7: strongly to locally intensely with minor pyrite as very fine dissemination´s. Fuchsite occurs infrequently as at 51.2 meters. Small very fine grained layers intensely altered, to light brownish green occur at 50.0-50.1 meters and 51.1-51.3 meter. Contacts 88 degrees to core axis. Quartz and ankerite veins <4cm occur 1-3 per meter at 85 degrees to core axis. Local very fine grained possible argillite layers are more intensely altered as at 56.0-56.7. 56.7-61.0: relatively unaltered except for 20-30 cm at each contact, weakly altered, ankeritized, minor pyrite.

SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
10163	39.90	41.00	1.10	0.02
10164	41.00	42.10	1.10	0.02
10165	42.10	43.60	1.50	0.02
10166	43.60	45.00	1.40	0.02
10167	45.00	46.00	1.00	0.02
10168	46.00	47.00	1.00	0.02
10169	47.00	48.50	1.50	0.06
10170	48.50	50.00	1.50	0.14
10171	50.00	51.50	1.50	0.02
10172	51.50	53.00	1.50	0.02
10173	53.00	54.50	1.50	0.02
10174	54.50	55.50	1.00	0.02
10175	55.50	56.70	1.20	0.02
10176	61.00	62.00	1.00	0.02
10177	62.00	63.20	1.20	0.02
10178	63.20	64.20	1.00	0.02
10179	64.20	65.20	1.00	0.02
10180	72.20	73.40	1.20	0.02
10181	73.40	74.40	1.00	0.04
10182	74.40	75.50	1.10	0.02
10183	75.50	77.00	1.50	0.10
10184	77.00	78.50	1.50	0.03
10185	78.50	80.00	1.50	0.03
10186	80.00	81.50	1.50	0.03
10187	81.50	83.00	1.50	0.02
10188	83.00	84.50	1.50	0.02
10189	84.50	86.00	1.50	0.02
10190	86.00	87.50	1.50	0.02
10191	87.50	89.00	1.50	0.02
10192	89.00	90.10	1.10	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		61.0-65.2: highly altered, finer grained, locally to argillite bedded in foliation's are 80-85 degrees to core axis generally with local contortions. Pyrite is fine grained but does for local clusters especially in areas of contorted veining. Quartz veining increased to 3 to 4 per meter. Ankerite forms more distinct veins.					
		65.2-72.2: As 56.7-61.0 above with minor or highly altered layers, fine grained <15cm in width.					
		72.2-90.1: moderately to strongly altered with increased quartz veining, pyrite 1-5%. Unit is generally finer grained, with minor layers conglomerate <30cm. Quartz veins are locally grey. 72.2-73.4: intensely altered, contorted. Pyrite is disseminated, fine veinlets, local clusters. Quartz veining increased at lower contact 88.9-90.1 meters.					
90.1	104.1	(5b,ank,qtz) **Greywacke** - fine to medium grained, grey to light grey green locally, unit is less altered weak to moderate continues to be ankeritized. 94.0-104.1: Unit is veined with quartz, ankerite veins to 20%. Quartz veins are white to 10cm in width. Pyrite is minor in veined areas. Foliation 100m-41 degrees sediment hole.	10193 10194 10195 10196 10197 10198 10199	94.00 95.00 96.50 98.00 99.50 101.00 102.50	95.00 96.50 98.00 99.50 101.00 102.50 104.10	1.00 1.50 1.50 1.50 1.50 1.50 1.60	0.02 0.02 0.02 0.02 0.02 0.12 0.02
104.1	112.8	(5b,cal) **Greywacke** - fine to medium grained, grey to grey green, unaltered, with local weak sericite. Carbonate alteration is calcite. Pyrite is nil. Quartz is minor calcite is as matrix grains and small fracture fillings and locally contorted veins.					
112.8	130.5	(5b,ser,ank) **Greywacke** - fine grained, grey to grey green sericitic weak to moderately altered with some contorted bands as at 115.7 meters. Ankerite alteration reappears as small veinlets and in the matrix moderate to strong. Quartz veining infrequent. 122.0-130.5: Sericite alteration, moderate to strong, ankeritic. Ankerite veins are grey <1cm. Pyrite <1%. Bedding locally contorted. 125.2-128.2. Quartz veining <5% as white veins.	10200 10201 10202 10203 10204	113.80 114.80 119.00 125.20 126.70	114.80 115.80 120.00 126.70 128.20	1.00 1.00 1.00 1.50 1.50	0.02 0.02 0.02 0.12 0.22

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
130.5	160.9	(5b,cal,w ser) **Greywacke** - fine to medium grained, grey to locally grey green, weakly sericitic locally. Carbonate alteration is calcite. Calcite vveinin is locally concentrated over 20cm. Bedding is at 75 degrees to core axis and wide. Pyrite is <1% and associated with calcite concentrations.	10205	137.00	138.00	1.00	0.02
			10206	138.00	139.00	1.00	0.04
160.9	169.0	(5a/5b,gf,cal) **Argillite/Greywacke** - fine grained, medium to dark grey to blackish, mixed beds of argillite and greywacke. Argillite beds display contorted bedding and are probably weakly graphitic. Pyrite in argillite as 1% as dissemination's and small clusters. Calcite minor as small fracture fillings.					
169.0	195.8	(5b,w ser,ank) **Greywacke** - light grey to dark grey, fine to medium grained. Unit is well bedded in beds 15 to 40cm. Pyrite is less than 1% as dissemination's. Bedding is at 70 degrees to core axis. 179.0-181.8: Light brownish/khaki colour bed of possible sandstone affinity with sericite-weak, and ankerite. 181.8-195.8: fine grained texture increases toward argillite with small <1m zones weakly sericitic and ankeritized. Pyrite content is slightly increased to 1% locally over <0.5 meters.					
195.8	232.1	(7c,ank,cal,ser,py,aspy) **Quartz/Feldspar Porphyry** - medium to coarse grained porphyritic texture, medium grey with coarse grains of ankerite in the matrix. Late calcite veins fracture fillings are infrequent. Unit is highly altered over 1-2 meters with sericite, ankerite and increased sulfides as pyrite and arsenopyrite. General sulfide content of the entire zone is increase to 1%+. 200.1-201.1: pyritic, quartz veined, weak altered. 206.0-209.0: highly altered, sericite, weakly siliceous and ankeritized.	10207	200.10	201.10	1.00	0.05
			10208	204.70	206.00	1.30	0.02
			10209	206.00	207.50	1.50	0.02
			10210	207.50	209.00	1.50	0.68
			10211	209.00	210.50	1.50	0.02
			10212	210.50	212.00	1.50	0.02
			10213	212.00	213.50	1.50	0.02
			10214	213.50	215.00	1.50	0.02
			10215	225.20	226.70	1.50	0.02
			10216	226.70	227.70	1.00	0.02
			10217	227.70	229.20	1.50	0.08
			10218	229.20	230.70	1.50	0.02
			10219	230.70	232.10	1.40	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		209.0-215.0: weak altered, 1-2% pyrite.					
		225.0-232.1: weak altered, 1-2% pyrite, sericite, minor quartz.					
232.1	272.0	(5b/5a,gf,cal,qtz) **Greywacke/Argillite** - fine to medium grained interbedded dark grey to blackish argillaceous beds and coarse light to medium grey greywacke beds. The unit is well bedded, with beds from 20cm to <1 meter. Bedding is at 75 degrees to core axis, generally sharp with minor contorted areas. Quartz veining is very minor as white veins parallel to bedding and minor contorted veins. Pyrite is consistent over the unit as <1% disseminated clusters, slightly more abundant in the finer beds. Graded bedding would indicate that tops are up hole. Weakly to moderately altered layers are infrequent and are noted below. Carbonate veining is rare but where present is ankerite as at 243.6 meters.	10220	232.10	233.60	1.50	0.02
			10221	260.00	261.10	1.10	0.02
			10222	261.10	262.60	1.50	0.05
			10223	262.60	263.60	1.00	0.02
		232.1-233.6: weakly sericitic, overall but more strongly altered towards upper contact with small contorted quartz veins from 232.4 to 232.8 meters.					
		261.1-263.6: moderately altered, sericitic argillaceous bed hosting fine pyrite dissemination's and minor quartz. Contacts are fairly sharp with alteration restricted to this layer. Unit is ankeritized giving a sericite green to khaki coloration.					
272.0	305.0	(5a,ank,gf,fu) **Argillite** - fine grained, dark grey to black possibly weakly graphitic, generally thinly bedded with veins of greyish ankerite parallel to bedding and locally contorted. White quartz veins are infrequent and up to 0.5 meters in length, with ankerite. Pyrite content is <1% overall as fine dissemination's and small clusters.	10224	272.40	273.40	1.00	0.02
			10225	288.20	289.20	1.00	0.02
			10226	289.20	290.20	1.00	0.02
			10227	295.00	296.50	1.50	0.02
			10228	296.50	298.00	1.50	0.02
			10229	298.00	299.50	1.50	0.02
			10230	302.00	303.00	1.00	0.02
			10231	303.00	304.00	1.00	0.02
			10232	304.00	305.00	1.00	0.02
		288.8-295.0: moderately sericitized, ankeritic.					
		295.0-299.6: highly sericitized with grey ankerite veins to 2cm wide. Pyrite content <1% section has small <1m bed of					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		medium grained greywacke. Unit contains small wisps of fuchsite.					
		303.0-304.6: moderately altered pyrite 1% as dissemination's and fine veinlets.					
305.00		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
30.00	-44.00	180.00
100.00	-41.00	180.00
200.00	-38.00	180.00
305.00	-37.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-25
Collar Eastings: 6385.00
Collar Northings: 4400.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -48.00
Grid Bearing: 180.00
Final Depth: 254.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: July 27-July 30, 1996
Down-hole Survey: ACID
DATES LOGGED: JULY 27-30,1996
DRILLED ON P779837,P998072

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	20.0	(Ovb) **Overburden**					
20.0	21.0	(5,ser,ank) **Highly Altered Sediment** - sericitic, ankeritic boulder??					
21.0	26.4	(5b,ser,ank) **Greywacke** - fine grained to medium grained, grey green, sericitic, ankeritic with pyrite 1%. Unit is massive in appearance. Top of unit is more argillaceous in appearance with sericite. Bottom 10cm of unit is similar.	10236	23.00	24.00	1.00	0.02
			10237	24.00	25.40	1.40	0.02
			10238	25.40	26.40	1.00	0.02
26.4	39.0	(7c,ser,py) **Quartz Feldspar Porphyry** - medium grained, grey green as above, sericitic massive with some layering features. Matrix contains grains of ankerite possible quartz foliated at 65 degrees to core axis. Concentrations of pyrite as clusters of fine grains associated with quartz veins. Unit is more highly sericitized with quartz veins. Lower contact is a quartz vein.	10239	26.40	28.00	1.60	0.02
			10240	28.00	29.50	1.50	0.02
			10241	29.50	31.00	1.50	0.02
			10242	31.00	32.00	1.00	0.09
			10243	32.00	33.50	1.50	0.02
			10244	33.50	35.00	1.50	0.02
			10245	35.00	36.50	1.50	0.02
			10246	36.50	38.00	1.50	0.04
			10247	38.00	39.00	1.00	0.08
39.0	75.5	(5b/5a) **Greywacke/Argillite** - fine grained dark grey to black argillite with medium grained, medium grey greywacke, well bedded at 65 degrees to core axis. Pyrite as clusters of fine grains <1% and consistent throughout. Unit becomes contorted and weakly altered towards bottom.	10248	39.00	40.00	1.00	0.02
			10249	74.50	75.50	1.00	0.02
75.5	82.5	(5a/5b,ser,ank,qtz,loc fu) **Argillite/Greywacke** - fine grained, medium green to khaki, highly sericitized, ankeritic. Ankerite in matrix and as grey to white veins associated with quartz veining. Quartz veining increased to 3 veins per meter as 10-20cm veins at 80-60 degrees to core	10250	75.50	77.00	1.50	0.02
			10251	77.00	78.50	1.50	0.02
			10252	78.50	80.00	1.50	0.02
			10253	80.00	81.50	1.50	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		axis. Pyrite <1% associated with the quartz veining. Unit is locally fuchsitic as small wisps. Alteration weaker 82-83 meters.					
82.8	95.1	(5a/Qtz,ser,ank) **Argillite/Quartz Zone** - fine grained, green to grey green, highly altered, sericitized, ankeritic. Pyrite is 1-3% associated with the quartz veining. Quartz veining is 30% of the unit as white veins with associated ankerite. Veins are 60-80 degrees to core axis with possible second generation subparallel.	10254	81.50	82.80	1.30	0.02
			10255	82.80	84.00	1.20	0.02
			10256	94.00	95.10	1.10	0.02
102.9	106.8	(5a,ser,ank) **Argillite** - fine grained, khaki coloured, highly sericitized and ankeritic. Foliated at 75 degrees to core axis. Pyrite 1% overall with local concentrations as fine veins and dissemination's. Unit is weakly fuchsitic as small wisps.	10257	95.10	96.60	1.50	0.02
			10258	96.60	98.10	1.50	0.02
			10259	98.10	99.20	1.10	0.02
			10260	99.20	100.20	1.00	0.02
			10261	100.20	101.40	1.20	0.02
			10262	101.40	102.70	1.30	0.02
			10263	102.70	104.00	1.30	0.02
			10264	104.00	105.50	1.50	0.02
106.8	163.7	(5a,w ser,w ank;loc s ser,s ank) **Argillite** - fine grained, medium to dark grey to blackish, well bedded generally sharp contacts, locally contorted. Small greywacke beds occur with contorted contacts with argillite. Beds are at 80 degrees to core axis. Alteration is sericite and weak ankerite in beds throughout. The following lists the more significant zones. 106.8-112.5: Moderately sericitized, ankeritic, well bedded, pyrite 1% as clusters of fine grains and fine dissemination's. Minor small quartz veins. 117.9-119.1: Moderately sericitized, weakly ankeritic. Pyrite 1% as fine dissemination's. 126.2-130.8: Strongly altered with small moderately altered sections. 133.8-135.2: Strongly altered sericite ankerite. 135.2-137.0: Moderately altered.	10265	105.50	106.90	1.40	0.02
			10266	106.90	108.10	1.20	0.02
			10267	108.10	109.00	0.90	0.09
			10268	116.80	117.90	1.10	0.02
			10269	117.90	119.10	1.20	0.02
			10270	119.10	120.20	1.10	0.02
			10271	125.20	126.20	1.00	0.02
			10272	126.20	127.60	1.40	0.02
			10273	127.60	128.60	1.00	0.02
			10274	128.60	129.60	1.00	0.02
			10275	129.60	130.80	1.20	0.06
			10276	130.80	132.30	1.50	0.07
			10277	132.30	133.80	1.50	0.02
			10278	133.80	135.20	1.40	0.02
			10279	135.20	136.20	1.00	0.02
			10280	136.20	137.00	0.80	0.02
			10281	146.20	147.70	1.50	0.02
			10282	147.70	149.20	1.50	0.02
			10283	149.20	150.70	1.50	0.02
			10284	150.70	151.80	1.10	0.02
			10285	151.80	152.70	0.90	0.02
			10286	152.70	153.50	0.80	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION
		146.2-151.8: Strongly altered, sericite ankerite pyrite 1% as fine dissemination's.
		151.8-153.5: Moderately altered sericite.
		155.4-160.0: Moderately altered to locally strongly altered with minor fuchsite as at 158.1.
163.7	198.1	(5a,gf?) **Argillite** - fine grained, dark grey to black, thinly bedded, well bedded intermixed with slightly coarser beds which are medium grey. Minor white quartz veins with 1% pyrite. Pyrite content in the argillite is <1% as cluster dissemination's. Sericite is minor and infrequent. Bedding is at 80 degrees to core axis.
198.1	226.5	(5a,Sandy beds,ank) **Argillite/Sandy Beds** - fine grained, dark grey to blackish argillite beds and more frequent coarser beds. Beds are thicker at 80 degrees to core axis. Unit remains ankeritic. Sericite minor and infrequent.
226.5	254.0	(5a,Sandy beds) **Argillite/Sand Beds** - fine grained, dark grey to black argillite well bedded, thinly with thicker beds of sandy beds at 80 degrees to core axis. Quartz veins are white, locally pyritic and up to 20cm wide, concentrated between 226.5 and 237.0 meters.
254.0		END OF HOLE

SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
10287	155.40	156.90	1.50	0.02
10288	156.90	158.40	1.50	0.02
10289	158.40	159.90	1.50	0.02
10290	159.90	161.00	1.10	0.02
10291	226.50	227.50	1.00	0.02
10292	234.00	235.00	1.00	0.02
10293	235.00	236.00	1.00	0.02
10294	236.00	237.00	1.00	0.02

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
20.00	-46.00	180.00
120.00	-44.00	180.00
218.00	-43.00	180.00
254.00	-43.00	180.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-26
Collar Eastings: 5100.00
Collar Northings: 6435.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -60.00
Grid Bearing: 150.00
Final Depth: 332.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: August 21-August , 1996
Down-hole Survey: ACID
DATES LOGGED: AUGUST 22-AUGUST ,1996
DRILLED ON P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	28.0	(Ovb) **Overburden**
28.0	61.1	(2a,epid,loc sil,cal) **Mafic Flow** -fine grained, medium green to epidote green matrix with small pale green layers to possible fragments. Unit is foliated at 48 degrees to core axis with numerous areas of contortions. The fine grained bleached bands <3cm wide are siliceous and appear to be associated with increase in epidote. Unit is weakly calcitic and has minor pyrite mineralization as disseminations and 0.5cm nodules. Small bands or layers contain hyaloclastic material. Quartz veining is minor.
61.1	83.3	(2a,cal) **Mafic Volcanic** -fine grained, medium grey to grey green to green, foliated 50 degrees to core axis, pyrite is slightly increased, epidote is gone, and calcite increased reflected in colour changes. Calcite as foliation veinlets and disseminated in matrix. Sections of the unit appear "bedded" with layers 1-2cm in width. This is an alteration feature with possible potassic alteration as at 77.1 to 77.8. Quartz is minor over most of the unit.
83.3	103.6	(2a/1a,cal) **Mafic Volcanic/Ultramafic** -fine to medium grained medium to dark green mafic volcanics interlayered with medium grey talcose ultramafic, carbonatized, calcitic with minor intercalated mafics. Unit possibly contains some tuffaceous bands with flame contacts as at 101 meters. Ultramafic contains minor veinlets of pyrite. Contacts range from 45 to 30 degrees.
103.6	108.2	(6e) **Mafic Dyke** -medium grained, medium to dark green, massive with minor calcite. Non-magnetic.

ASSAYS				
SAMPLE No.	FROM	TO	WIDTH	Au g/t
10295	86.00	87.30	1.30	0.04
10296	87.30	88.50	1.20	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
108.2	114.4	(2a,cal) **Mafic Volcanic** -fine grained, medium green, massive mafic volcanics. Calcite in matrix band as small veinlets. Lower contact crushed.					
114.4	170.0	(1a,cal,mag) **Ultramafic** -fine grained, dark grey to black talc/chlorite ultramafic. Highly crushed locally and fractured locally. Minor calcite. Nil sulfides. Unit appears fragmental over 3 to 4 meters. Unit is locally magnetic weak to moderate.					
170.0	184.0	(2b,chl,loc bx) **Mafic Volcanic-Pillowed** -fine to medium grained, medium green. Unit is pillowed with fragments in the selvages. Selvages are dark green, fine grained, chloritic. Unit is medium hard.					
184.0	202.0	(1a,w tc) **Ultramafic** -medium grained, dark green, soft to moderately hard. Unit is massive and appears to be more mafic than above ultramafic Basaltic Komatiite Talcose weak to moderate. Local sections look like the selvage areas. 190.4-190.6: Bleached, silicified with 2% pyrite.					
202.0	251.3	(1a,tc/chl,loc bx,sp) **Ultramafic** -dark green, fine grained talc/chlorite ultramafic fractured and crushed as above. Small mafic band occurs at 239.0-240.1. Bleached section with calcite. Ultramafic is calcitic with veins to 3cm. Spinifex feature occur locally. Unit is more massive with increased calcite veining 245.9-251.3. Lower contact 73 degrees to core axis.					
251.3	300.0	(2a,loc fol,cal,loc sil,epid) **Mafic Volcanic** -fine grained, medium green to locally medium grey green. Unit ranges from massive to locally well foliated, with bleaching minor silicification. Foliation is 56 degrees to core axis at 261.5 meters. Calcite occurs as foliation veinlets,	10297	254.00	255.50	1.50	0.05
			10298	255.50	257.00	1.50	0.04
			10299	257.00	258.50	1.50	0.02
			10300	258.50	259.50	1.00	0.02
			10301	259.50	260.70	1.20	0.08
			10302	260.70	262.20	1.50	0.06

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		contorted veinlets and matrix disseminations. Epidote occurs locally . Pyrite occurs as fine disseminations and as scattered cubes. Where pyrite increases the mafic unit becomes grey to grey green, foliated, calcitic.	10303	262.20	263.60	1.40	0.02
			10304	285.00	286.30	1.30	0.05
			10305	286.30	287.80	1.50	0.09
			10306	287.80	289.00	1.20	0.26
			10307	289.00	290.50	1.50	0.05
		254.0-258.0: Pyrite <1% as small clusters, very fine veinlets, calcite hosted and as scattered cubes. This section appears pillowed.	10308	290.50	292.00	1.50	0.02
			10309	292.00	293.20	1.20	0.02
			10310	293.20	294.70	1.50	0.03
			10311	294.70	296.00	1.30	0.02
		260.8-263.5: Foliated and bleached sections with pyrite disseminations.	10312	296.00	297.50	1.50	0.02
			10313	297.50	299.00	1.50	0.02
		268.0-284.0: Epidote section with calcite.					
		285.0-300.0: Foliated section with an overall increase in pyrite with potassic alteration around some small quartz veinlets as at 286.6, 291.0, 293.0 as bleaching to grey brown. The pyrite occurs as fine foliation veinlets, fine disseminations. Unit becomes darker grey to grey green. Calcite veining is contorted and as foliation veinlets. Quartz veining is foliation veinlets < 0.3mm. 287.9-288.9: pyrite in bleached grey brown sections as the mineralization in zone. Although the pyrite is associated with calcite, the host mafics are weakly ankeritic.					
		300.0 305.0 Weak to moderately altered, sericitic, pyrite 1-2% over <10cm minor quartz veinlets. Lower contact 55 degrees to core axis.					
305.0	332.0	(la,tc/chl,cal)	10314	299.00	300.20	1.20	0.02
		Ultramafic	10315	300.20	301.20	1.00	0.02
		-fine grained, medium to dark green, talc/chlorite ultramafics with calcite veins to 20cm locally and scattered <2cm veins. Pyrite occurs as clusters and 0.5cm cubes. Unit is fractured and fragmented with talc and chlorite between fragments. Fault zone at 329.3 to 329.9. Fault gouge.	10316	301.20	302.20	1.00	0.02
			10317	302.20	303.30	1.10	0.02
			10318	303.30	303.70	0.40	0.02
			10319	303.70	305.00	1.30	0.02
			10320	305.00	306.50	1.50	0.02
		315.9-317.9: Mafic volcanic massive fine grained, medium green contact at 57 degrees to core axis. Minor quartz and calcite veins. Calcite in matrix.					
332.0		END OF HOLE					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.00	-59.00	150.00
100.00	-58.00	150.00
150.00	-57.00	150.00
200.00	-57.00	150.00
250.00	-56.00	150.00
332.00	-55.00	152.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-27
Collar Eastings: 5300.00
Collar Northings: 6455.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE, TIMMINS

Collar Inclination: -60.00
Grid Bearing: 150.00
Final Depth: 548.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: Aug 25 - Sept 5, 1996
Down-hole Survey: ACID
DATES LOGGED: AUGUST 25-SEPTEMBER 5, 1996
DRILLED ON P699715 P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	33.0	(Ovb) **Overburden**					
33.0	38.0	(2a, frag, alt'd) **Mafic Volcanic-Fragmental** Fine grained, pale green to green grey matrix hosting very fine bleached fragments. The fragments are stretched along foliation at 58 degrees to core axis and are up to 2cm in width.					
38.0	67.0	(2b, wk sil, Mg + Cal) **Mafic Volcanic-Pillowed** Fine grained, pale to medium green, locally siliceous, containing calcite in matrix and as small veinlets contacted. Unit is probably a Mg tholeiite. Siliceous zones are lighter in colour and generally contain more calcite + epidote veining as at 60-62 meters. Calcite infrequently as 10-20cm veins. Unit is pillowed with tight bleached selvages.					
67.0	79.1	(2 bx,sil) **Breccia** Breccia zone with fragments 1-3cm generally with fragments to 8 cm. Fragments are angular to "contorted" with reaction rims (paler edges). The fragments are slightly siliceous. Inter-fragment areas are dominantly fine material darker than the fragments and calcite greyish. Possible epidote also with the calcite and fine "ash"" material.					
79.1	106.9	(2b/2c, cal) **Mafic Volcanic-Pillowed** As above but with small breccia zone at 89.0-91.3 and at 97.9-99.0.					
106.9	176.1	(2b, FeT, Minor 2C) **Mafic Volcanic-Pillowed** Fine grained, medium to dark green, Fe tholeiite, much darker than above. Selvages are darker, chloritic generally and by bleached 1cm chill zones. Local small pillow breccia zones					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		<20cm. Some layers or sections of unit are green black with small bleached selvages. Unit is calcitic throughout in matrix and as small veins. Quartz veining is nil to trace. Sulfides are generally nil except in selvages as at 107.3, 136.0, etc. At 107.3, sulfides are pyrite pyrrhotite and minor chalcopyrite in a bleached, siliceous selvage.					
		172.0-176.1: Unit becomes foliated and there is an increase in calcite veining in foliation's. Small bleached layers <3cm siliceous. Foliated at 51 degrees to core axis.					
176.1	250.8	(1a, tc/chl, frac) **Ultramafic** Fine grained, dark green to blacked talc/chlorite ultramafic. Unit is massive to locally fractured and hosts small layers <1.5 meters of mafic volcanics at 179.0-180.0, 183.5-184.0, 196.0-197.5. Possible basaltic komatiitic. Unit carbonated with calcite as veins and in the matrix.					
		176.1-179.0: Foliated with increased calcite in foliation's. Foliated at 43 degrees to core axis.					
250.8	274.5	(2b, bx, cal) **Mafic Volcanic-Pillowed** Brecciated, fine to medium grained, medium green mafic with pillow selvages marked by dark green fine grained, chloritic material and pillow fragments to 4-5cm. Unit is calcitic in matrix and as small veins generally <1cm to 3cm. Fragments of pillows locally increase in size with fine chloritic material over wider intervals towards bottom of unit. Pillows are moderately silicified.					
274.5	430.1	(1a, fol, frac, cal,mag) **Ultramafic** Fine grained, dark green to blackish talc/chlorite ultramafic with minor calcite veins to 2cm and foliation/contorted veinlets. Unit is locally crushed and fractured with a fault zone at 301.0-304.8. Small fragments locally to powdered fault gouge at 304.0 meters.					
		309.0-338.5: (1a, 6e, cal) - ultramafic with numerous lamprophyre dykes as listed below. The dykes are dark brownish green, medium grained, calcitic matrix and veins of					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		calcite small <0.2cm. Most are non-magnetic. Spinifex features in ultramafic as at 326.4. Dykes at 309.9-315.2; 314.8-320.2; 326.7-328.8 contact at 46 degrees to core axis and magnetic; 336-338.0; 345.0-348.0. Contacts are sharp with chilling and baking. Below 348.0, unit is increasingly crushed and fractured. Fault gouge locally as 350 etc.					
		419.0-420.0: Mafic Dyke?-brownish with quartz amygdules.					
430.1	447.2	(2a, cal, amg) **Mafic Volcanic** Fine to medium grained, dark green, massive with fracture fillings of calcite and small veinlets to 1cm. Top of unit is amygdaloidal with calcite. Very minor pyrite as fine dissemination´s. Contact marked by lamprophyre dyke as above.					
447.2	485.7	(1a, cal, tc/chl) **Ultramafic** Dark green to black talc/chlorite calcitic ultramafic. Locally crushed, highly fractured with calcite veining frequent. The unit becomes grey green over short distance in highly calcite zones. Pyrite occurs as cubic clusters of five grains to 0.5cm.					
		473.1-485.7: Ultramafic contains 30% calcite + quartz veining. Unit is locally grey green appears more altered.					
485.7	514.9	(1a/2a, fol, tc/chl, py, aspy) **Ultramafic/Mafic Volcanics** Section is a mixed Inter-layered zone of talc/chlorite ultramafic and layers of dark green chloritic mafic volcanics. The ultramafics are as above while the mafic are fine grained, dark green, moderate to hard, siliceous and mineralized. The mafic contains up to 15% pyrite + pyrrhotite and fine possible arsenopyrite, very locally. Chalcopyrite was noted but is also very minor. The mafic layers are noted below.	10321	485.70	487.00	1.30	0.02
			10322	487.00	488.00	1.00	0.02
			10323	488.00	489.10	1.10	0.02
			10324	495.40	495.90	0.50	0.02
			10325	495.90	496.30	0.40	0.02
			10326	496.30	497.60	1.30	0.02
			10327	497.60	498.80	1.20	0.02
			10328	498.80	499.80	1.00	0.02
			10329	499.80	500.50	0.70	0.02
			10330	500.50	502.00	1.50	0.02
			10331	502.00	502.90	0.90	0.02
			10332	502.90	504.20	1.30	0.02
			10333	504.20	504.80	0.60	0.02
			10334	508.00	508.70	0.70	0.02
			10335	508.70	510.00	1.30	0.02
			10336	510.00	511.00	1.00	0.02
		485.7-489.1: Pyrite 1-2% quartz carbonate veining 5%-possibly pillowed.					
		495.4-495.9: 50% mafic/ultramafic mafics contain 15% pyrite.					
		496.3-497.6: 1% pyrite.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
			10337	514.20	514.90	0.70	0.02
		498.8-500.5: 2-3% pyrite, 1% quartz veins. Contact at 44 degrees. 502.9-504.8: 1-2% pyrite overall with 10-15% pyrite and pyrrhotite at 504.3-504.8. 508.0-508.7: 10-15% pyrite. 514.2-514.9: 1% pyrite chalcopyrite with 5cm quartz vein.					
514.9	548.0	(1a, tc/chl, cal) **Ultramafic** Fine grained, dark green to blackish talc/chlorite ultramafic. Unit is highly veined with talc/carbonate and carbonate (calcite) veined contorted to regular. Quartz veins are infrequent <3cm wide. Pyrite occurs as fine grained clusters and minor arsenopyrite was noted at 520.5 associated with a calcite vein.	10338 10339	514.90 519.10	516.10 521.00	1.20 1.90	0.02 0.02
548.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.00	-61.00	150.00
100.00	-59.00	150.00
200.00	-55.00	150.00
300.00	-52.00	150.00
506.00	-51.00	157.00
548.00	-51.00	157.00

BATTLE MOUNTAIN GOLD

DIAMOND DRILL LOG

PROPERTY: CRIPPLE CREEK 696
HOLE No.: C96-28
Collar Eastings: 5200.00
Collar Northings: 6545.00
Collar Elevation: 0.00
Grid: MAIN
¡NQ¿ CORE STORED HEMLO STORAGE TIMMINS

Collar Inclination: -60.00
Grid Bearing: 150.00
Final Depth: 485.00 metres
DRILLED BY: NOREX DRILLING, TIMMINS
CASING LEFT IN HOLE

Logged by: ROBERT CALHOUN
Date: SEPT 6 - 14,1996
Down-hole Survey: ACID
DATES LOGGED: SEPT 6-14,1996
DRILLED ON P699715 P1189172

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
0.0	30.0	Casing					
30.0	46.5	(2a,cal) **Mafic Volcanic** Fine grained, pale greenish brown, highly fractured and crushed unit is calcitic and highly vuggy. Locally foliated but generally fractureless.					
46.5	64.8	(2a,Mg thol,cal,sil) **Mafic Volcanic** Fine grained, pale green probable Mg tholeiite. Unit is highly silicified. Calcite veining as grey to blackish <0.5cm to 2cm veins are abundant to 20% of the unit. Quartz veins are white to 6cm generally 95-90 degrees to core axis <5% of unit. Unit is possibly pillowed. Sulfide mineralization nil to trace. Unit is sericitic. Bottom 1.5 meters of unit is speckled with chlorite?					
64.8	70.5	(5a,gf,py,qtz) **Interflow Sediment** Fine grained, dark grey to black, probably graphitic argillite. Unit contains 10-15% quartz veins grey and white. White quartz veins appear to cut the greyish veins. Unit contains minor pyrite as fine clusters and small cubes in fractures. 68.9-70.0: Grey quartz veins with white crosscutting quartz veins. Minor pyrite.	10340 10341 10342	67.70 68.90 70.00	68.90 70.00 70.50	1.20 1.10 0.50	0.02 0.02 0.25
70.5	83.4	(2a,cal) **Mafic Volcanic** Fine grained, pale green foliated at 43 degrees to core axis as above 46.5-64.8. Slight reduction in calcite veins.	10343 10344	70.50 71.40	71.40 72.40	0.90 1.00	0.05 0.02
83.4	87.0	(2a,chl,cal,loc po,py) **Mafic Volcanic** Fine grained, medium green, well foliated at 55 degrees to core axis. Unit is chloritic with 10-15% calcite veining and 5% quartz. Unit contains minor pyrite, pyrrhotite overall.	10345 10346 10347	83.40 84.40 86.00	84.40 86.00 87.00	1.00 1.60 1.00	0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		83.4-83.9: 20-30% pyrrhotite.					
87.0	93.5	(2,cal) **Mafic Volcanic** Fine grained, pale green tuffaceous, foliated at 51 degrees with minor to 1% pyrite. Minor quartz and 8% calcite veins.	10348 10349 10350 10351	87.00 88.50 90.00 91.00	88.50 90.00 91.00 92.00	1.50 1.50 1.00 1.00	0.03 0.02 0.02 0.02
93.5	97.6	(2a,alt'd) **Mafic Volcanic** Fine to medium grained, pale green, contacts contorted at 90 degrees to core axis. Unit contains feldspar phenocrysts to 1-2mm with alteration rings, dark core.					
97.5	115.0	(2a,ser,fu?) **Mafic Volcanic** Fine grained, pale to medium green to buff coloured alteration. Unit has sericite in fracture with colour toward fuchsite. Carbonate altered in buff colour zones. Sulfides are nil to minor.					
115.0-	122.3	(2a,chl,sil) **Mafic Volcanic** Fine grained, pale green moderately hard, siliceous, with large patches irregularly shaped of chlorite associated with white quartz veins. Lower contact at 37 degrees to core axis.					
122.3	174.1	(2b,sil,cal) **Mafic Volcanic** Fine grained, pale green, weakly to moderately siliceous foliated possibly pillowed volcanics. Foliation is variable from widely spaced to highly foliated. Calcite dominantly and quartz veining is also variable to 20% of unit over 2-3 meters. Calcite is greyish to locally blackish in colour. Possible hyaloclastic material at 131.5-134.0 meters. Foliations are at 48 degrees to core axis. Mineralization is nil to trace as pyrite disseminations. Colour becomes increasingly darker down unit.					
174.1	231.6	(2b,chl,cal,fol,qtz) **Mafic Volcanics-Pillowed** Fine grained medium green, foliated. Pillow selvages are marked by chlorite + calcite veining locally bleached. Small <0.5 meter section of pillow breccia as at 187.0 meters.	10352 10353 10354	174.10 190.30 191.10	174.70 191.10 192.20	0.60 0.80 1.10	0.02 0.02 0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		Pillows are 1-2 meters in width generally. Sulfides are generally pyrite with minor or chalcopyrite. 174.1-174.7: Interflow cherty sediment with veinlets of massive pyrrhotite, minor chalcopyrite and minor pyrite. 140.3-192.2: 50% white quartz, with chlorite, minor pyrite rare chalcopyrite as up to 30cm veins at 85 degrees to core axis. Colour of unit is increasingly darker down section , possible change in flow at 208 to dark green chlorite colour. Hyaloclastic material in upper flow 205.0-208.0. Quartz veining random minor.					
231.6	247.0	(1a,tc/chl,cal) **Ultramafic** Fine grained, dark grey to black talc/chlorite ultramafic. Soft, talc and pale green veins are frequent, has minor sulfide pyrite and pyrrhotite as fracture fillings, minor. Unit contains multiple small layers of mafic volcanic unit as at 235.6 to 236.0 and 237.8-238.9 with some smaller section <10cm.					
247.0	266.7	(2a,po,chl,loc sil) **Mafic Volcanic** Fine to medium grained, medium green, moderately hard, non magnetic except where pyrrhotite occurs in fractures, clastic and locally epidotized. Highly fractured subparallel to core axis and at 60 and 90 degrees. Upper contact marked by chlorite pod, contorted. Unit has silicified layers to approximately 0.5-1 meter. Locally these silicified sections contain fracture fillings of sulfides with pyrrhotite minor. Chlorite occurs as fracture fillings to 0.5cm and as pods. Unit becomes darker at lower contact area and has interlayering with lower ultramafic unit. Lower contact crushed.	10355	255.20	256.30	1.10	0.02
266.7	361.0	(1a,tc/chl,loc bx,cal,loc py) **Ultramafic** Magnetic locally, fine grained, grey green to dark grey, black talc/chlorite ultramafic generally with more massive grey zones harder, possibly basaltic-komatiite. Unit is locally fractured to weakly crushed giving fragmented appearance, polysuturing. Calcite veins are small generally and quartz veins very minor.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		Fractured chloritic talc supported zones are separate by fairly competent zones which locally are basaltic in appearance. 336.0-336.9: Fault zone-gouge. Small sections of medium green massive sections which appear more mafic, basaltic, in nature. 366.0-366.9: Well developed spinafex features. 387.5-392.1: Well foliated ultramafic-fine grained as above but unit is more competent moderately to well foliated with wider calcite veins to 2cm, small bleached sections and minor quartz veining. Sulfides are nil to trace. Lower contact and foliations are at 54 degrees to core axis.					
392.1	434.8	(2a,Fe thol,cal,loc ank,py,aspy) **Mafic Volcanic** Fine to medium grained, dark green, Fe tholeiite possibly pillowed. Unit is well foliated at 56 degrees to core axis with calcite on foliations and as contorted discontinuous veinlets. Locally the veinlets are associated with quartz veining. Upper portion of the unit is mineralized with disseminated pyrite, fine grained and as small cubes and rarely in bleached grey coloured small veins <0.5cm in width. The bleached veins also contain arsenopyrite to 5% as needles and small grains which is also in the surrounding mineralized areas but only minor to <1%. 392.1-394.0: Fine pyrite as disseminations and bleached veinlets with arsenopyrite. Pyrite to 7% and arsenopyrite to 1-2%. 394.0-395.6: Quartz carbonate zone to 60% quartz/calcite with minor sulfides to 394.9 and 2-3% pyrite to 395.6 with reduced quartz carbonate. 395.6-398.0: Medium grained volcanic with 1-3% pyrite with one pyrite arsenopyrite veinlet at 395.8. Unit is less foliated and slightly darker green. Calcite veining is minor. 398.0-405.0: Unit is lighter in colour with an increase in bleached layering well foliated, calcite veining is increased, sulfide content is nil to <1% as pyrite. Quartz veining to	10356	387.50	389.00	1.50	0.02
			10357	389.00	390.50	1.50	0.02
			10358	390.50	392.10	1.60	0.02
			10359	392.10	393.10	1.00	0.12
			10360	393.10	394.00	0.90	0.66
			10361	394.00	394.90	0.90	0.10
			10362	394.90	395.60	0.70	0.26
			10363	395.60	396.90	1.30	0.02
			10364	396.90	398.00	1.10	0.02
			10365	398.00	399.50	1.50	0.02
			10366	399.50	400.90	1.40	0.02
			10367	400.90	402.40	1.50	0.02
			10368	402.40	403.90	1.50	0.02
			10369	403.90	405.10	1.20	0.12
			10370	405.10	406.20	1.10	0.30
			10371	406.20	407.70	1.50	0.02
			10372	407.70	409.20	1.50	0.17
			10373	409.20	410.20	1.00	0.03
			10374	410.20	411.60	1.40	0.04
			10375	411.60	413.10	1.50	0.03
			10376	413.10	414.60	1.50	0.02
			10377	414.60	416.00	1.40	0.04
			10378	416.00	417.00	1.00	0.17
			10379	417.00	418.10	1.10	0.18
			10380	418.10	419.10	1.00	0.30
			10381	419.10	420.10	1.00	0.02
			10382	420.10	421.10	1.00	0.02
			10383	421.10	422.10	1.00	0.02

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH	ASSAYS Au g/t
		10cm as at 401.0 but generally minor veinlets contorted associated with calcite.	10384	422.10	423.50	1.40	0.02
			10385	423.50	425.00	1.50	0.02
			10386	425.00	426.50	1.50	0.02
		405.0-406.2: Pyrite 5-10% with minor quartz veining.	10387	426.50	428.00	1.50	0.02
			10388	428.00	429.40	1.40	0.04
		406.2-413.1: Mafic volcanic with minor pyrite, local bleaching, foliation continues. Bleaching potassic alteration with crosscutting quartz veins at 411.2 meters. Lower section of unit contains bands of dark grey green mafics. Contacts at 58 degrees (foliation).	10389	429.40	430.90	1.50	0.02
			10390	430.90	432.00	1.10	0.05
			10391	432.00	432.60	0.60	0.02
			10392	432.60	433.40	0.80	15.46
			10393	433.40	434.40	1.00	0.16
			10394	434.40	434.80	0.40	3.46
		413.1-420.1: Unit is dark grey green with pyrite disseminations along foliations increased calcite and quartz veinlets to 15% of unit. Small veinlets of grey bleached veining with pyrite arsenopyrite to 10%. Vein <2cm and at 58 degrees to core axis. Arsenopyrite occurs outside of the grey veins but minor.					
		420.1-429.4: Pillowed medium green mafic volcanic. Calcite veined, minor quartz. Pyrite occurs as fine disseminations with calcite veins and in selvages.					
		429.4-432.6: Dark green chloritic mafic massive with minor pyrite, very minor calcite veins, nil quartz.					
		432.6-433.4: 60% quartz vein and 40% of 70% pyrite. 432.6-432.8-70% pyrite fine to medium grained. 432.8-433.2-quartz vein minor sulfides. 433.2-434.4-60% quartz, 40% pyrite as coarse pyrite and fine disseminations. Brown tourmaline.					
		433.4-434.4: Quartz and carbonate vein with tourmaline and minor pyrite.					
		434.4-434.8: Mafic volcanic with fine to medium pyrite, and fine grains and coarse clusters.					
434.8	485.0	(1a,tc/chl,cal; loc 6e) **Ultramafic** Fine grained dark green to blackish talc/chlorite ultramafic with calcite veining and local mafic dykes.	10395	434.80	436.50	1.70	0.15
		434.8-444.0: Ultramafic 25-30% calcite veining.					

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	ASSAYS FROM	TO	WIDTH	Au g/t
		444.0-445.3: Fault zone with gouge to 444.4-pale green gouge-remainder crushed fractured. Brownish grey mafic dykes with calcite grains at 446.6-448.0; 451.9-455.6 with ultramafic at 452.4-453.1. Minor pyrite at contact and at 455.6-455.7 as cubic clusters.					
		473.0-485.0:-Highly fractured, crushed, numerous gouge sections.					
485.0		END OF HOLE					

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
101.00	-60.00	150.00
200.00	-58.00	150.00
300.00	-58.00	150.00
400.00	-57.00	150.00
485.00	-57.00	154.00

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7265		<0.03
7266		<0.03
7267		0.07
7268		<0.03
7269		<0.03
7270		0.30
7271		0.16
7272		0.75
7273		0.06
7274		<0.03
7275		0.06
7276		0.90
7277		0.31
7278		0.07
7279		0.16
7280		2.32
7281		0.13
7282		<0.03
7283		0.53
7284		0.40
7285		<0.03
7286		0.37
7287		0.13
7288		0.41
7289		<0.03
7290		0.06
7291		0.36
7292		<0.03
7293		0.06
7294		<0.03
7295		<0.03
7296		<0.03
7297		0.06
7298		<0.03
7299		0.07
7300		0.47
7301		0.19
7302		<0.03

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PROJECT: 696

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7303		0.16
7304		0.32
7305		<0.03
7306		<0.03
7307		0.10
7308		<0.03
7309		0.41
7310		<0.03
7311		0.13
7312		0.07
7313		<0.03
7314		0.91
7315		0.52
7316		<0.03
7317		<0.03
7318		0.37
7319		<0.03
7320		<0.03
7321		<0.03

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PROJECT: 696

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7322		<0.03
7323		0.23
7324		<0.03
7325		<0.03
7326		<0.03
7327		<0.03
7328		4.12
7329		0.22
7330		0.19
7331		0.10
7332		0.16
7333		0.13
7334		0.06
7335		0.17
7336		0.17
7337		0.20
7338		0.06
7339		0.42
7340		1.88

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T	SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7341		0.41	7381		0.16
7342		0.33	7382		0.20
7343		0.22	7383		0.07
7344		4.40	7384		0.27
7345		<0.03	7385		1.13
7346		0.80	7386		0.06
7347		1.14	7387		0.61
7348		0.92	7388		0.10
7349		0.17	7389		<0.03
7350		0.43	7390		<0.03
7351		0.17	7391		<0.03
7352		1.58	7392		0.58
7353		7.81	7393		0.23
7354		1.53	7394		0.30
7355		0.65	7395		0.63
7356		0.13	7396		0.26
7357		0.17	7397		0.06
7358		0.68	7398		<0.03
7359		0.60	7399		0.29
7360		0.10	7400		0.07
7361		0.13	7401		1.22
7362		<0.03			
7363		<0.03			
7364		2.13			
7365		0.32			
7366		0.06			
7367		<0.03			
7368		0.22			
7369		<0.03			
7370		11.85			
7371		0.16			
7372		0.06			
7373		6.80			
7374		1.09			
7375		0.55			
7376		<0.03			
7377		<0.03			
7378		0.07			
7379		<0.03			
7380		<0.03			

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7402		0.33
7403		0.13
7404		<0.03
7405		0.62
7406		<0.03
7407		1.41
7408		0.14
7409		<0.03
7410		<0.03
7411		<0.03
7412		<0.03
7413		<0.03
7414		0.06
7415		<0.03
7416		0.16
7417		<0.03
7418		<0.03
7419		<0.03
7420		<0.03
7421		<0.03
7422		<0.03
7423		0.06
7424		0.07
7425		1.00
7426		0.88
7427		10.63
7428		1.37
7429		0.38
7430		0.07
7431		0.10
7432		<0.03
7433		<0.03
7434		0.13

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7435		0.06
7436		0.16
7437		0.89

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7438		0.02
7439		3.86
7440		1.60
7441		0.04
7442		0.22
7443		2.77
7444		1.22
7445		0.03
7446		0.12
7447		<0.03
7448		0.05
7449		<0.03
7450		1.98

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7451		2.63
7452		0.74
7453		0.14
7454		0.63
7455		0.58
7456		<0.03
7457		<0.03
7458		0.55
7459		0.07
7460		<0.03
7461		0.04
7462		0.08
7463		<0.03
7464		<0.03
7465		<0.03
7466		<0.03
7467		<0.03
7468		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Au G/T
7469		0.04	
7470		0.30	
7471		0.33	
7472		<0.03	
7473		0.08	
7474		1.14	
7475		0.85	
7476		30.21	28.87
7477		0.16	
7478		<0.03	
7479		0.09	
7480		0.72	
7481		2.84	
7482		0.05	
7483		0.05	
7484		0.04	
7485		0.11	

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7486		0.07
7487		0.03
7488		0.08
7489		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
7490		<0.03
7491		<0.03
7492		<0.03
7493		<0.03
7494		<0.03
7495		1.10
7496		<0.03
7497		0.41
7498		0.38
7499		<0.03
7500		<0.03
10001		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10002		<0.03
10003		<0.03
10004		<0.03
10005		<0.03
10006		<0.03
10007		0.03
10008		<0.03
10009		<0.03
10010		<0.03
10011		<0.03
10012		0.03
10013		0.11
10014		1.08
10015		0.08
10016		0.05
10017		0.31
10018		<0.03
10019		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10020		0.03
10021		1.06
10022		<0.03
10023		<0.03
10024		<0.03
10025		<0.03
10026		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10027		<0.03
10028		0.03
10029		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10030		<0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10031		<0.03
10032		<0.03
10033		0.03
10034		<0.03
10035		<0.03
10036		0.04

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Au G/T	AuRew G/T
10037		0.03		
10038		0.15		
10039		<0.03		
10040		<0.03		
10041		1.80		
10042		0.73		
10043		0.21		
10044		14.55	4.35	3.98
10045		0.31		
10046		0.15		
10047		0.10		
10048		0.16		
10049		0.07		
10050		0.06		
10051		0.15		
10052		0.93		
10053		0.59		
10054		0.12		
10055		0.20		
10056		0.08		
10057		0.98		
10058		0.04		
10059		<0.03		
10060		<0.03		
10061		<0.03		
10062		<0.03		
10063		<0.03		

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SAMPLE NUMBER	ELEMENT UNITS	Au G/T	Au G/T	AuRew G/T
10037		<0.03		
10038		0.27		
10039		0.10		
10040		<0.03		
10041		1.71		
10042		1.78		
10043		0.24		
10044		9.18	37.85	14.88
10045		0.16		
10046		0.24		
10047		0.07		
10048		0.17		
10049		0.07		
10050		0.07		
10051		0.12		
10052		0.89		
10053		0.69		
10054		0.20		
10055		0.27		
10056		0.06		
10057		0.82		
10058		0.10		
10059		<0.03		
10060		<0.03		
10061		<0.03		
10062		<0.03		
10063		<0.03		

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Lab Supervisor

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REPORT: T96-57385.0 (COMPLETE)

DATE PRINTED: 18-JUL-96

PROJECT: 697

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10064		<0.03
10065		1.80
10066		0.30
10067		1.03
10068		0.16
10069		1.50
10070		0.06
10071		<0.03
10072		<0.03
10073		<0.03
10074		0.03
10075		0.12
10076		0.09
10077		0.06
10078		0.04
10079		0.04
10080		0.03
10081		0.06
10082		<0.03
10083		0.04
10084		0.06

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DATE PRINTED: 17-JUL-96

REPORT: T96-57386.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10085		<0.03
10086		0.07
10087		<0.03
10088		<0.03
10089		<0.03
10090		<0.03
10091		<0.03
10092		<0.03
10093		<0.03
10094		<0.03
10095		0.03
10096		<0.03
10097		<0.03
10098		<0.03
10099		0.16
10100		0.14

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DATE PRINTED: 17-JUL-96

REPORT: T96-57387.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10101		<0.03
10102		<0.03
10103		0.03
10104		<0.03
10105		0.03
10106		0.03
10107		<0.03
10108		<0.03
10109		<0.03
10110		<0.03
10111		<0.03
10112		0.40
10113		<0.03
10114		<0.03
10115		<0.03
10116		<0.03
10117		<0.03
10118		<0.03

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DATE PRINTED: 18-JUL-96

REPORT: T96-57388.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10119		<0.03
10120		<0.03

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DATE PRINTED: 19-JUL-96

REPORT: T96-57395.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10121		0.05
10122		<0.03
10123		<0.03
10124		<0.03
10125		<0.03

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DATE PRINTED: 24-JUL-96

REPORT: T96-57403.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10126		<0.03

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cripple ck

CLIENT: Hemlo Gold Mines Inc
REPORT: T96-57404.0 (COMPLETE)

PROJECT: NONE ~~C44~~ 697
DATE PRINTED: 5-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	AuGrav G/T
10127		<0.03	
10128		0.03	
10129		0.09	
10130		<0.03	
10131		0.04	
10132		0.08	
10133		<0.03	
10134		0.06	
10135		0.06	
10136		0.37	
10137		0.05	
10138		1.01	
10139		0.07	
10140		0.22	
10141		4.57	4.29
10142		0.09	
10143		0.04	
10144		0.06	
10145		0.06	
10146		0.35	
10147		0.38	
10148		2.75	
10149		0.40	
10150		0.18	
10151		3.34	
10152		0.45	
10153		6.70	5.79
10154		0.17	
10155		3.80	
10156		5.78	4.90
10157		14.21	10.29
10158		0.29	
10159		0.08	
10160		0.57	
10161		0.44	
10162		1.06	

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REPORT: T96-57411.0 (COMPLETE)

DATE PRINTED: 30-JUL-96

PROJECT: 697

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10163		<0.03
10164		<0.03
10165		<0.03
10166		<0.03
10167		<0.03
10168		<0.03
10169		0.06
10170		0.14
10171		<0.03

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DATE PRINTED: 28-JUL-96

REPORT: T96-57413.0 (COMPLETE)

PROJECT: 697

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10172		<0.03
10173		<0.03
10174		<0.03
10175		<0.03
10176		0.03
10177		<0.03
10178		<0.03
10179		<0.03
10180		<0.03
10181		0.04
10182		<0.03
10183		0.10
10184		<0.03
10185		<0.03
10186		<0.03

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REPORT: T96-57419.0 (COMPLETE)

DATE PRINTED: 30-JUL-96
PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10187		<0.03
10188		<0.03
10189		<0.03
10190		<0.03
10191		<0.03
10192		<0.03
10193		<0.03
10194		<0.03
10195		<0.03
10196		<0.03
10197		<0.03
10198		0.12
10199		<0.03
10200		<0.03
10201		<0.03
10202		<0.03

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DATE PRINTED: 1-AUG-96

REPORT: T96-57422.0 (COMPLETE)

PROJECT: 697 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10203		0.12
10204		0.22
10205		<0.03
10206		0.04
10207		0.05
10208		<0.03
10209		<0.03
10210		0.68
10211		<0.03
10212		<0.03
10213		<0.03
10214		<0.03
10215		<0.03
10216		<0.03
10217		0.08
10218		<0.03
10219		<0.03
10220		<0.03
10221		<0.03
10233		0.21
10234		<0.03
10235		0.10

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REPORT: T96-57424.0 (COMPLETE)

DATE PRINTED: 1-AUG-96

PROJECT: 697

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10222		0.05
10223		0.07
10224		<0.03
10225		<0.03
10226		<0.03
10227		<0.03
10228		<0.03
10229		<0.03
10230		<0.03
10231		<0.03
10232		<0.03

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DATE PRINTED: 2-AUG-96

REPORT: T96-57425.0 (COMPLETE)

PROJECT: 697

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10236		<0.03
10237		<0.03
10238		<0.03
10239		<0.03
10240		<0.03
10241		<0.03
10242		0.09
10243		<0.03
10244		<0.03
10245		<0.03
10246		0.04
10247		0.08
10248		<0.03
10249		<0.03
10250		<0.03
10251		<0.03
10252		<0.03
10253		<0.03
10254		<0.03
10255		<0.03

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CLIENT: Hemlo Gold Mines Inc
REPORT: T96-57427.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 4-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPM
10256		<0.03
10257		<0.03
10258		<0.03
10259		<0.03
10260		<0.03
10261		<0.03
10262		<0.03
10263		<0.03
10264		<0.03
10265		<0.03
10266		<0.03
10267		0.09
10268		<0.03
10269		<0.03
10270		<0.03

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CLIENT: Hemlo Gold Mines Inc
REPORT: T96-57433.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 4-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10271		<0.03
10272		<0.03
10273		<0.03
10274		<0.03
10275		0.06
10276		0.07
10277		<0.03
10278		<0.03
10279		<0.03
10280		<0.03

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CLIENT: Hemlo Gold Mines Inc
REPORT: T96-57434.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 6-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10281		<0.03
10282		<0.03
10283		<0.03
10284		<0.03
10285		<0.03
10286		<0.03
10287		<0.03
10288		<0.03
10289		<0.03
10290		<0.03
10291		<0.03
10292		<0.03
10293		<0.03
10294		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57479.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 29-AUG-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10295		0.04
10296		<0.03
10297		0.05
10298		0.04
10299		<0.03
10300		<0.03
10301		0.08
10302		0.06
10303		<0.03
10304		0.05
10305		0.09
10306		0.26
10307		0.05
10308		<0.03
10309		<0.03
10310		0.03
10311		<0.03
10312		<0.03
10313		<0.03
10314		<0.03
10315		<0.03
10316		<0.03
10317		<0.03
10318		<0.03
10319		<0.03
10320		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57498.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 12-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10321		<0.03
10322		<0.03
10323		<0.03
10324		<0.03
10325		<0.03
10326		<0.03
10327		<0.03
10328		<0.03
10329		<0.03
10330		<0.03
10331		<0.03
10332		<0.03
10333		<0.03
10334		<0.03
10335		<0.03
10336		<0.03
10337		<0.03
10338		<0.03
10339		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57502.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 12-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10340		<0.03
10341		<0.03
10342		0.25
10343		0.05
10344		<0.03
10345		<0.03
10346		<0.03
10347		<0.03
10348		0.03
10349		<0.03
10350		<0.03
10351		<0.03

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REPORT: T96-57503.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 12-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10352		<0.03
10353		<0.03
10354		<0.03
10355		<0.03

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57505.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 14-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10356		<0.03
10357		<0.03
10358		<0.03
10359		0.12
10360		0.66
10361		0.10
10362		0.26

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57507.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 17-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T
10363		<0.03
10364		<0.03
10365		<0.03
10366		<0.03
10367		<0.03
10368		<0.03
10369		0.12
10370		0.30
10371		<0.03
10372		0.17
10373		0.03
10374		0.04
10375		0.03
10376		<0.03
10377		0.04
10378		0.17

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CLIENT: BATTLE MOUNTAIN CANADA LTD.
REPORT: T96-57508.0 (COMPLETE)

PROJECT: 697
DATE PRINTED: 17-SEP-96 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au G/T	AuGrav G/T
10379		0.18	
10380		0.30	
10381		0.03	
10382		<0.03	
10383		<0.03	
10384		<0.03	
10385		<0.03	
10386		<0.03	
10387		<0.03	
10388		0.04	
10389		<0.03	
10390		0.05	
10391		<0.03	
10392		14.95	15.98
10393		0.16	
10394		3.46	
10395		0.15	

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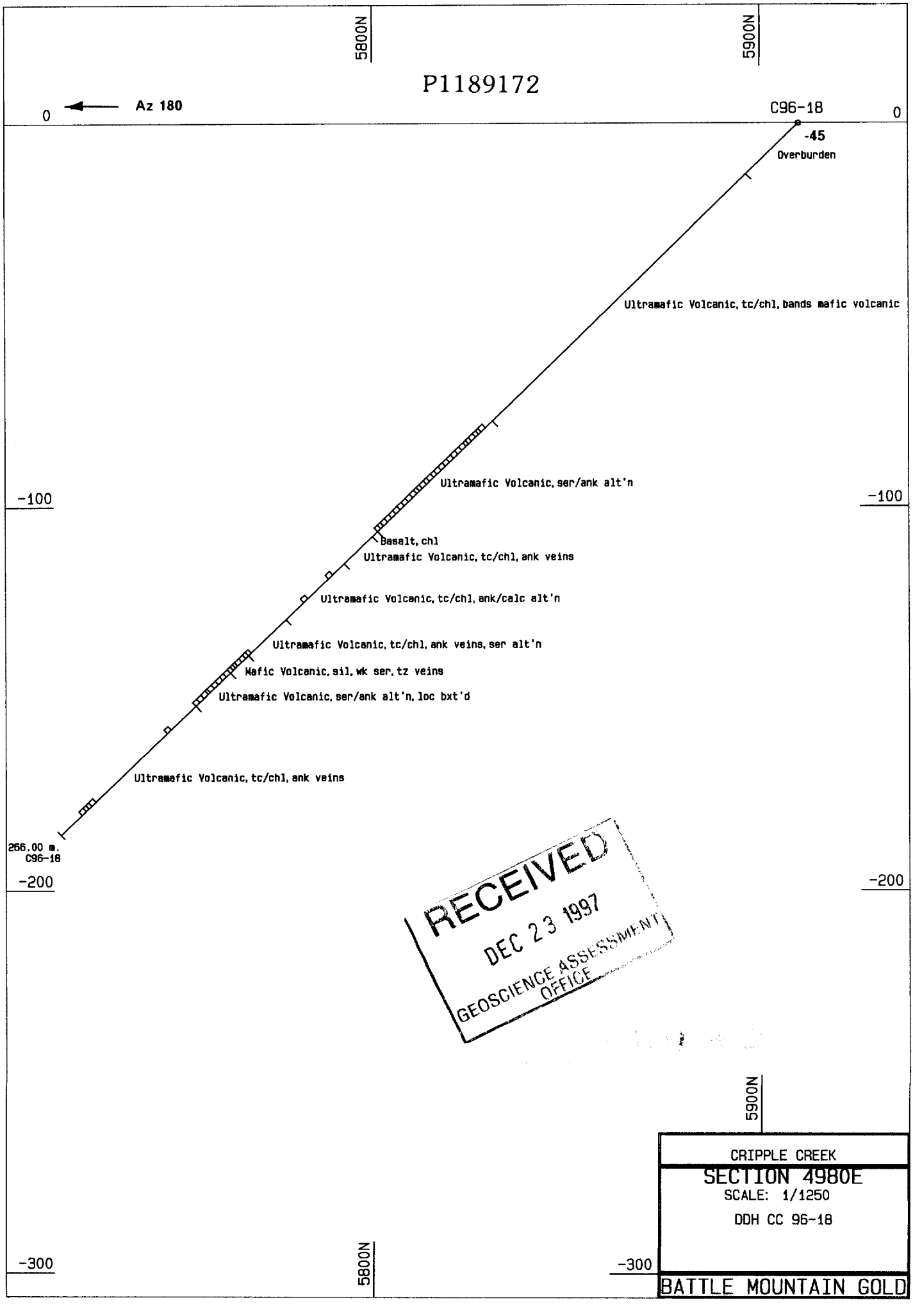
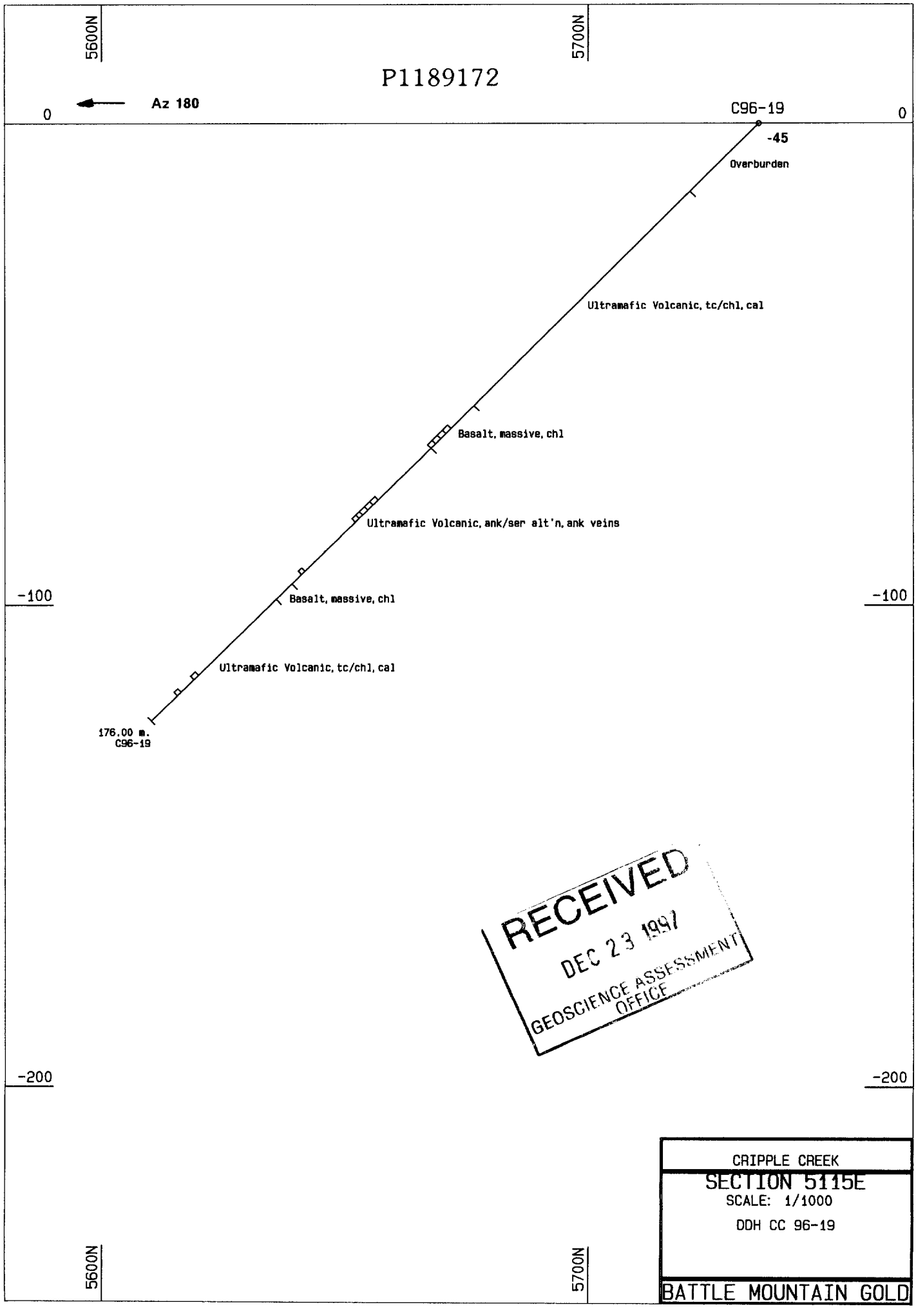

5800N
5900N
P1189172
0
Az 180
C96-18
0
-45
Overburden
Ultramafic Volcanic, tc/chl, bands mafic volcanic
-100
-100
Ultramafic Volcanic, ser/ank alt'n
Basalt, chl
Ultramafic Volcanic, tc/chl, ank veins
Ultramafic Volcanic, tc/chl, ank/calc alt'n
Ultramafic Volcanic, tc/chl, ank veins, ser alt'n
Mafic Volcanic, sil, wk ser, tz veins
Ultramafic Volcanic, ser/ank alt'n, loc bxt'd
Ultramafic Volcanic, tc/chl, ank veins
266.00 m.
C96-18
-200
-200
RECEIVED
DEC 23 1997
GEOSCIENCE ASSESSMENT
OFFICE
5900N
CRIPPLE CREEK
SECTION 4980E
SCALE: 1/1250
DDH CC 96-18
-300
5800N
-300
BATTLE MOUNTAIN GOLD



CRIPPLE CREEK

SECTION 5115E

SCALE: 1/1000

DDH CC 96-19

BATTLE MOUNTAIN GOLD

P1189172

5700N

5800N

0 ← Az 180

C96-16

C96-22

0

-45 Overburden

-60 Overburden

Mafic Volcanic, massive, UM units

Ultramafic Volcanic, tc/chl, carb

Ultramafic Volcanics, tc/chl, cal

Ultramafic Volcanic, ser/carb alt'n, qtz

Mafic Volcanic, sil, 5%py

Ultramafic Volcanic, tc/chl, ank alt'n, 3-5% py

Ultramafic Volcanic, ser/ank alt'n

Ultramafic Volcanic, tc/chl

-100

Ultramafic Volcanic, ser/ank alt'n, carb/qtz veining

-100

Ultramafic Volcanic, ser/ank/loc fu alt'n, qtz veins

Mafic Volcanic, sil

Ultramafic Volcanic, carb/ser alt'n

Mafic Volcanic, sil, qtz/carb veins, py

Ultramafic Volcanic, carb/ser alt'n

Ultramafic/Mafic Volcanics, ser/carb & sil alt'n

Ultramafic Volcanic, tc/chl, ank veins

Ultramafic Volcanic, tc/chl

251.00 m.
C96-16

-200

-200

Ultramafic Volcanic, tc/chl, cal

320.00 m.
C96-22

-300

-300

5700N

5800N

CRIPPLE CREEK

SECTION 5050E

SCALE: 1/1000

DDH CC 96-16, 22

BATTLE MOUNTAIN GOLD

6200N

6300N

6400N

P1189172

0 ← Az 150

C96-20 -45

C96-26 -60

0

Overburden

Mafic Volcanic, pillowed

Ultramafic Volcanic, tc/chl, cal

Mafic Volcanic, flow bx

Ultramafic Volcanic, cal

Ultramafic Volcanic, tc/chl, fol'd to sch'se

-100

Mafic Volcanic, pillowed, loc ser, py

Ultramafic Volcanic, tc/chl

272.00 m.
C96-20

-200

Overburden

Mafic Volcanic, epid, loc sil, cal

Mafic Volcanic, cal

Mafic/Ultramafic Volcanic, cal

Mafic Dyke

Mafic Volcanic, cal

-100

Ultramafic Volcanic, tc, chl

Mafic Volcanic, pillowed

Ultramafic Volcanic, wkly tc, massive

Ultramafic Volcanic, tc/chl, loc bx, loc sp

Mafic Volcanic, massive to fol'd, loc sil, cal

Ultramafic Volcanic, tc/chl, cal

332.00 m.
C96-26

-200

-300

-300

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DEC 23 1997
GEOSCIENCE ASSESSMENT
OFFICE

82-13

6400N

CRIPPLE CREEK

SECTION 5100E

SCALE: 1/1000

DDH CC 96-20, 26

BATTLE MOUNTAIN GOLD

6200N

6300N

4200N

4300N

4400N

4500N

4600N

Az 180

P998072

P779837

C96-25

C96-24

0

0

-48

-45

Overburden

Overburden

Greywacke, ser/ank alt'n

Quartz feldspar Porphyry, grey, ser, py

Greywacke/Argillite

Greywacke/Argillite, ser/ank/loc fu alt'n, qtz veins

Greywacke, 30% qtz/ank veins, 1-3% py

Argillite, ser/ank/loc fu alt'n

Argillite, ser/wk ank alt'n

Argillite, graph

Argillite/sandy beds, ank alt'n

Argillite/sandy beds

254.00 m.
C96-25

Greywacke, variable ser/ank/loc fu alt'n

Greywacke, ank alt'n, qtz veins

Greywacke, cal

Greywacke, ser/ank alt'n

Greywacke, cal, wk ser alt'n

Argillite/Greywackewkly graph

Greywacke, wk ser/ank alt'n

Quartz Feldspar Porphyry, grey, loc ser/ank alt'n

Greywacke/Argillite, wkly graph, loc ser alt'n

Argillite, wkly graph, ank, fu

305.00 m.
C96-24

-100

-100

-200

-200

-300

-300

CRIPPLE CREEK

SCALE: 1/1250

DDH CC 96-24, 25

BATTLE MOUNTAIN GOLD

P699715
P699716
P699717
P699718
P779857
P779858
P779860
P779838
P1189172 (16u)

6600N
6400N
6200N
6000N
5800N
5600N
5400N
5200N
5000N TL
4800E
5000E
5200E
5400E
5600E
5800E
6000E
6200E
6400E
6600E
4600E
5700N TL

CC 96-28 -60
CC 96-27 -60
CC 96-23 -60
CC 96-21 -45
CC 96-17 -45
CC 96-26 -60°
CC 96-20 -45
EOH 485.0m
EOH 326.0m
EOH 548.0m
EOH 269.0m
EOH 302.0m
EOH 332.0m
EOH 272.0m

CC 95-11 -50°
EOH 299.0m

CC 95-10 -50°
CC 93-3 -50°
CC 94-5 -60°
CC 94-7A -60°
CC 94-7 -60°
EOH 70.4m
EOH 157.3m
EOH 401.0m
CC 94-6 -60°
CC93-1 -60°
EOH 450.0m
EOH 440.7m
EOH 276.2m
CC 93-2 -45°
EOH 481.5m

CC 96-18 -45°
CC 96-22 -60°
CC 96-16 -45°
CC 96-19 -45°
EOH 266.0m
EOH 251.0m
EOH 176.0m
EOH 320.0m

CC 95-12 -50°
EOH 406.0m

EOH 276.1m
CC 93-4 -50°
EOH 282.2m

MAHONEY CREEK

0 100 200 300
metres

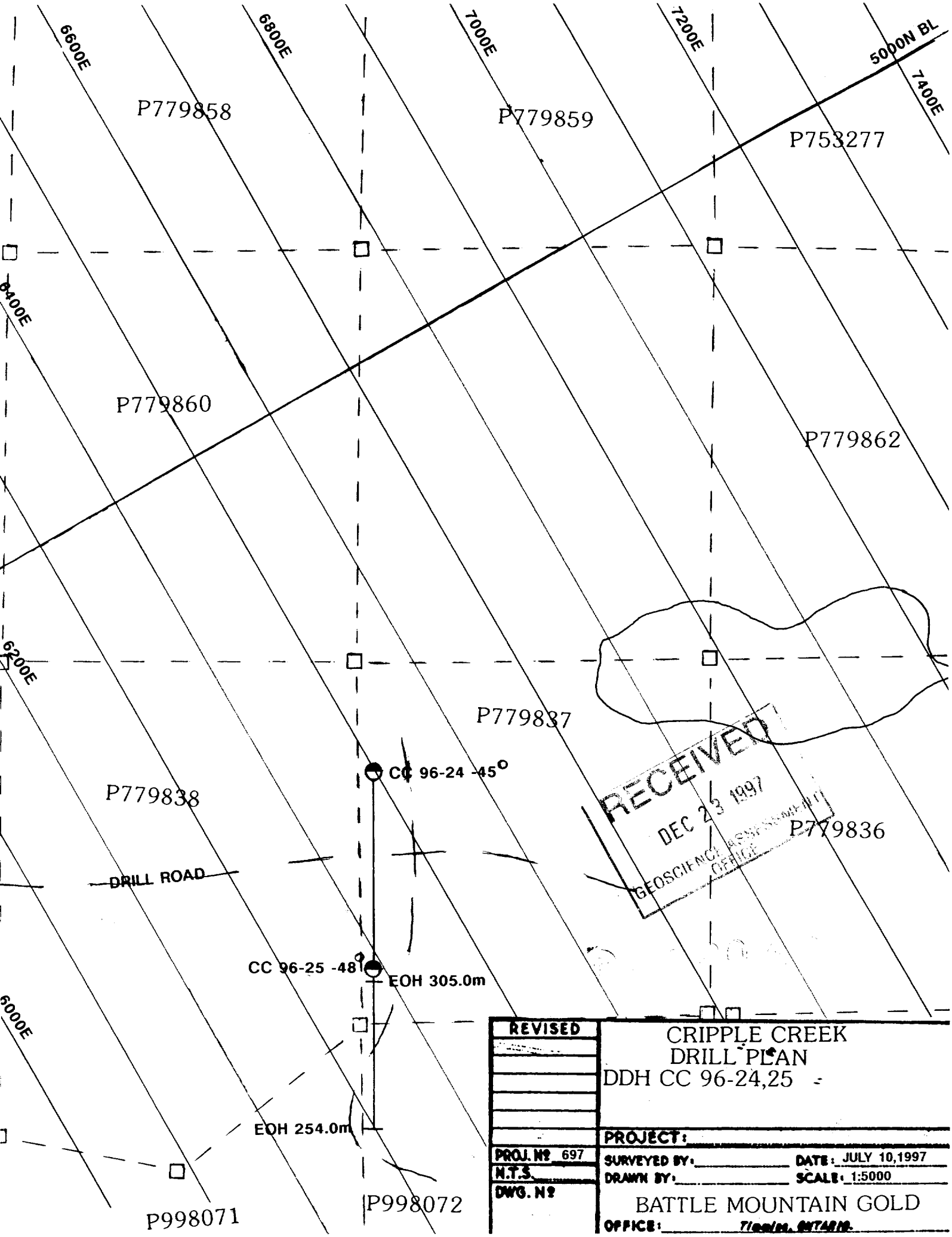
N
Az 060

RECEIVED
DEC 23 1997
GEOSCIENCE ASSESSMENT OFFICE

REVISED
DEC.12,1995
JULY 10,1997
PROJ.Nº 696
N.T.S.
DWG. Nº

CRIPPLE CREEK
DRILL PLAN
DDH CC 93-1,2,3,4 94-5,6,7,7A
95-10,11,12 96-16,17,18
19,20,21,22,23,26,27,28

PROJECT: CRIPPLE CREEK
SURVEYED BY: _____ DATE: MAR 21,1994
DRAWN BY: _____ SCALE: 1:5000
BATTLE MOUNTAIN GOLD
OFFICE: Timmins, ONTARIO.



REVISED

CRIPPLE CREEK
DRILL PLAN
DDH CC 96-24,25

PROJECT:

PROJ. Nº 697
N.T.S.
DWG. Nº

SURVEYED BY: _____ DATE: JULY 10,1997
DRAWN BY: _____ SCALE: 1:5000

BATTLE MOUNTAIN GOLD
OFFICE: Timmins, ONTARIO

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9760.00770
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the information must be used to maintain a record of work and correspond with the mining land holder. Questions about this collection may be directed to the Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

42A05SE0040 2.18043 DENTON

900

Instructions: - For use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
Battle Mountain Canada Ltd.	143550
Address	**Telephone Number**
PO Box 1205, 60 Shirley St. South	(705) 268-9600
Timmins, Ont. P4N 7J5	Fax Number (705) 268-9572
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☑ Physical: drilling, stripping, trenching and associated assays ☐ Rehabilitation

Work Type	Office Use
Diamond Drilling - 00H CC96-16 to 28, 4106.0 m	Commodity
	Total $ Value of Work Claimed $278,350
Dates Work Performed From 12 (Day) 02 (Month) 1996 (Year) To 06 (Day) 12 (Month) 1996 (Year) ✓	NTS Reference
Global Positioning System Data (if available) Township/Area: Denton	Mining Division: Porcupine
M or G-Plan Number: G 3224	Resident Geologist District: Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

2.18043

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED DEC 23 1997 GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, George J. Kolesza (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent		Date
		Dec 22, 1997
Agent's Address	**Telephone Number**	**Fax Number**
PO Box 1205, 60 Shirley St South Timmins Ont P4N 7J5	(705) 268-9600	(705) 268-9572

March 23/98

0241 (02/96)

2.2760-0077C

Page 1

SCHEDULE FOR DECLARATION OF
ASSESSMENT WORK ON MINING LAND

Work Transaction #
EASTCAN97.065

	MINING CLAIM NUMBER. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		NUMBER OF CLAIM UNITS. For other mining land, list hectares.	VALUE OF WORK PERFORMED on this claim or other mining land	VALUE OF WORK APPLIED to this claim	VALUE OF WORK ASSIGNED to other mining claims	BANK. Value of work to be distributed at a future date
1	P	0699704	1	0.00	400.00	✓	
2	P	0699707	1	0.00	400.00	✓	
3	P	0699708	1	0.00	400.00	✓	
4	P	0699709	1	0.00	400.00	✓	
5	P	0699710	1	0.00	400.00	✓	
6	P	0699711	1	0.00	400.00	✓	
7	P	0699712	1	0.00	400.00	✓	
8	P	0699713	1	0.00	400.00	✓	
9	P	0699714	1	0.00	400.00	✓	
10	P	0699715	1	8.938.00	400.00	✓	8.538.00
11	P	0699716	1	0.00	400.00	✓	
12	P	0699717	1	0.00	400.00	✓	
13	P	0699718	1	0.00	400.00	✓	
14	P	0753273	1	0.00	400.00	✓	
15	P	0753274	1	0.00	400.00	✓	
16	P	0753275	1	0.00	400.00	✓	
17	P	0753276	1	0.00	400.00	✓	
18	P	0753277	1	0.00	400.00	✓	
19	P	0779836	1	0.00	400.00	✓	
20	P	0779837	1	26.826.00	400.00	✓	26.426.00
21	P	0779838	1	0.00	400.00	✓	
22	P	0779856	1	0.00	400.00	✓	
23	P	0779857	1	0.00	400.00	✓	
24	P	0779858	1	0.00	400.00	✓	
25	P	0779859	1	0.00	400.00	✓	
26	P	0779860	1	0.00	400.00	✓	
27	P	0779861	1	0.00	400.00	✓	
28	P	0779862	1	0.00	400.00	✓	
29	P	0987146	1	0.00	400.00	✓	
30	P	0998068	1	0.00	400.00	✓	
31	P	0998069	1	0.00	400.00	✓	
32	P	0998070	1	0.00	400.00	✓	
33	P	0998071	1	0.00	400.00	✓	
34	P	0998072	1	11.280.00	400.00	✓	10.880.00
35	P	0998073	1	0.00	400.00	✓	
36	P	1189172	16	231.306.00	6.400.00	14.400.00	210.506.00
37	P	1201111	2	0.00	800.00	✓	
38	P	1204621	1	0.00	400.00	✓	
39	P	1204696	1	0.00	400.00	✓	
		Column Totals		278.350.00	22.000.00	14.400.00	256.350.00

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9760.00770

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	3586 metres	51.67/m	185126.00
Assaying	459 samples	9.50/sample	4360.00
Labour	200 man days	233/man day	46624.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Rental truck & gas			3594.00
Food and Lodging Costs			
		Total Value of Assessment Work	239704.00

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DEC 23 1997 10:45
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, George J. Kolesar (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Lands Manager (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
	Dec 22, 1997

0212 (02/96)

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9760.00770

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	9930.00	
	Field Supervision Supervision sur le terrain		9930.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: Diamond Drilling	25,877.00	
	Assaying	1644.00	
			27521.00
Supplies Used Fournitures utilisées	Type: Core Trays	632.00	
			632.00
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			38083.00

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type: Rental Truck & gas	563.00	
			563.00
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			563.00
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			563.00
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) / **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)**			38646.00

RECEIVED
DEC 23 1997
10:45
GEOSCIENCE ASSESSMENT OFFICE

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Lands Manager (Recorded Holder, Agent, Position in Company) I am authorized

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
	Dec 22, 1997

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

February 26, 1998

George J. Koleszar
BATTLE MOUNTAIN CANADA LTD.
P.O. Box 1205
60 Shirley Street South
Timmins, Ontario
P4N 7J5

Dear Sir or Madam:

Submission Number: 2.18043

Subject: Transaction Number(s):		**Status**
	W9760.00770	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 11969
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18043

Date Correspondence Sent: February 26, 1998 **Assessor:** Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9760.00770	699715	DENTON	Deemed Approval	February 24, 1998

Section:
16 Drilling PDRILL

Correspondence to:
Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
George J. Koleszar
BATTLE MOUNTAIN CANADA LTD.
Timmins, Ontario

Correspondence ID: 11969

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M. + S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
(R1)	SEC. 43/70		FEB 3/66	M. + S.	171508
(R2)	DANA AND JOWSEY PARK RESERVE SEC. 36/80 W.68/83		NOV. 18/83	S.R.O. M.R.O.	
(R4)	RESERVED FOR PUBLIC USE			S.R.O.	
(R5)	SURFACE RIGHTS ONLY WITHDRAWN FROM STAKING ORDER NO. NRW 94/84 DATED 84-JULY-04 (WASTE DISPOSAL SITE)				

SAND AND GRAVEL

(G1)	M.T.C.	PIT 1417	FILE 126351
(G2)	M.T.C.	PIT 1236	FILE 126351
(G3)	M.T.C.	PIT 1470	
(G4)	M.T.C.	PIT 1331	

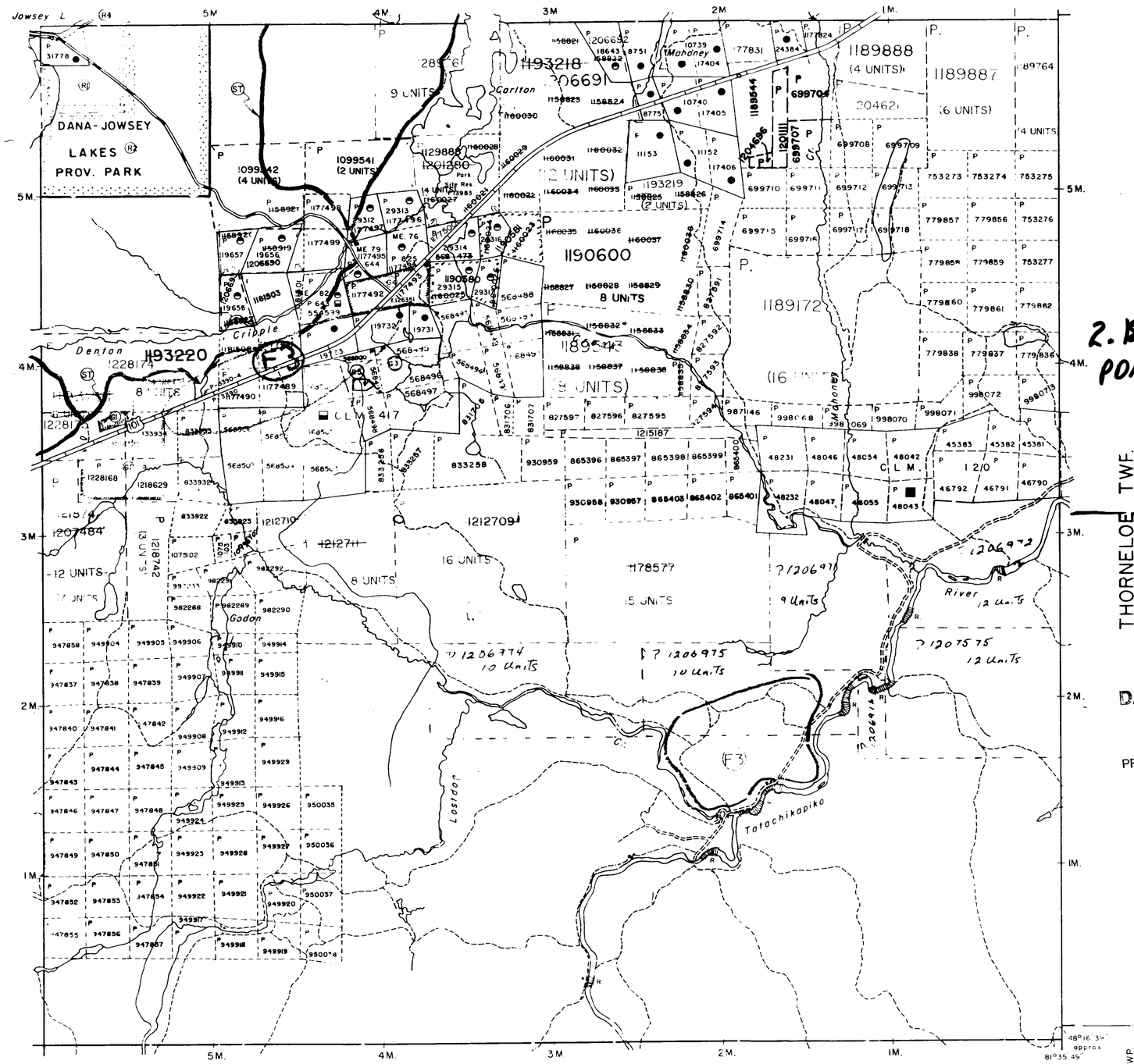
(ST) APPLICATION PENDING UNDER THE PUBLIC LANDS ACT
NOTICE RECEIVED 92-DEC-21
SNOWMOBILE TRAILS

(F2) ~~THIS TWP. SUBJECT RIGHTS TO FOREST ACTIVITY IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE.~~

(F3) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES. FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

CARSCALLEN TWP.



LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS BASE LINES ETC
  - LOTS MINING CLAIMS PARCELS ETC
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	❒
" , MINING RIGHTS ONLY	❒
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊛
CANCELLED	⊗
SAND & GRAVEL	⊛

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970 CHAP. 380, SEC. 63 SUBSEC. 1

2.18043 PORIL

SCALE 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 250 500 1000 1500 2000

DATE OF ISSUE
MAR 04 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

DENTON

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ontario Ministry of Natural Resources — Land Management Branch

Date MARCH, 1985
ACTIVATED ADJUSTMENT BY L.S.
LAST REVISED

Number G-3224

42A05SE0040 2.18043 DENTON

6100N 6200N 6300N P1189172 6400N P699715 6500N

0 Az 150

C96-21 -45 C96-27 -60 0

Overburden
Mafic Volcanic, pillowed, cal
Mafic Volcanic, massive, cal, epid
Mafic Volcanic, pillowed, chl, wk sil
Ultramafic Volcanic, chl, 25% cal
Ultramafic Volcanic, tc/chl, bxt'd
Ultramafic Volcanic, tc/chl
Ultramafic Volcanic, tc/chl, bxt'd, mag
Mafic Volcanic, chl, bxt'd
Mafic Volcanic, basaltic komatiite
Ultramafic Volcanic, tc/chl, bxt'd
Ultramafic Volcanic, fol'd, chl, cal
Ultramafic Volcanic, chl, loc var, cal
Mafic Volcanic, tc/chl, fault zone
302.00 m. C96-21
Overburden
Mafic Volcanic, fragmental
Mafic Volcanic, pillowed, loc sil, Mg-thol
Mafic Volcanic, bx
Mafic Volcanic, pillowed
Mafic Volcanic, Fe-thol, pillowed
Ultramafic Volcanic, tc/chl
Mafic Volcanic, pillowed, bx, cal
Ultramafic Volcanic, tc/chl, loc lamp dykes
Mafic Volcanic, massive, cal
Ultramafic Volcanic, tc/chl, cal
Ultramafic/Mafic Volcanic, tc/chl UM, sil Mafic w py
Ultramafic Volcanic, tc/chl, cal
548.00 m. C96-27

-100 -200 -300 -400 -500 -600 -700

6100N 6200N 6300N 6400N 6500N

CRIPPLE CREEK

SECTION 5300E

SCALE: 1/1000

DDH CC 96-21, 27

BATTLE MOUNTAIN GOLD

6200N 6300N 6400N 6500N 6600N

P1189172 P699715

Az 150

C96-23
C96-17 C96-28

-45 -60 -60

Overburden
Overburden
Overburden

Mafic Volcanic, massive
Basalt, Mg-tholeiite, massive
Basalt, massive/flow bx
Mafic Volcanic, pillowed, epid
Ultramafic Volcanic, [illegible] pillowed, epid
Mafic Volcanic, pillowed, epid
Ultramafic Volcanic, tc/chl
Basalt, fol'd, cal
Ultramafic/Mafic Volcanic,
Basalt, massive, chl
Ultramafic Volcanic, tc/chl, cal
Ultramafic Volcanic, tc/chl
Mafic Volcanic, basaltic komatiite, tc/chl, wk fol
Mafic Volcanic, chl, mag
Ultramafic Volcanic, tc/chl, qtz/carb veins
Ultramafic Volcanic, chl
Basalt, pillowed
Basalt, massive
Basalt, massive, 15%py
Quartz/Carbonate veining
Ultramafic Volcanic, tc/chl, cal
269.00 m.
C96-17
Basalt, pillowed, chl, cal
Ultramafic Volcanic, tc/chl, cal
Ultramafic Volcanic, tc/chl, cal
Basalt, ank/ser/sil alt'n, py
Quartz Carbonate Zone
Ultramafic Volcanic, tc/chl, cal
326.00 m.
C96-23

Mafic Volcanic, fract'd, cal
Mafic Volcanic, Mg-thol, sil, cal
Interflow Sediment, graph arg, qtz veins
Mafic Volcanic, fol'd, cal, loc chl
Mafic Volcanic, ser/fu alt'n
Mafic Volcanic, chl, sil
Mafic Volcanic, fol, d, wkly sil, cal
Mafic Volcanic, pillowed, fol'd, chl, cal, qtz veins
Ultramafic Volcanic, tc/chl, cal
Mafic Volcanic, chl, loc sil, fract'd
Ultramafic Volcanic, tc/chl, cal, loc bxt'd
Mafic Volcanic, Fe-thol, fol'd, loc ank w py/espy
Ultramafic Volcanic, tc/chl, cal
485.00 m.
C96-28

0 -100 -200 -300 -400 -500 -600 -700

CRIPPLE CREEK

SECTION 5200E

SCALE: 1/1000

DDH CC 96-17, 23, 28

BATTLE MOUNTAIN GOLD