DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-1

Collar Eastings: -279.00
Collar Northings: 265.00
Collar Elevation: 0.00

Grid: BMG O35 DEG Claim: 1221719 Collar Inclination: -50.00 Grid Bearing: 325.00 Final Depth: 142.00 metres Log Completed: 11/11/97

Core: NQ/store at Aunor Minesite, Timmins

Logged by: W Corstorphine Date: 7/11/97 to 10/11/97 Down-hole Survey: Acid Contractor: NDS Drilling

					ž	ASSAYS		
FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Au g/t	ck g/t
0.0	3.0	(Ob) Overburden-casing						
3.0	31.1	(2MS 2MS fl,fg,mpv alt-Serp?,1-2%Q/Cv,mloc py) Massive Mafic Volcanic-moderately altered Fine-grained, massive, evenly textured groundmass of pale green to grey-green and buffish hue. Distinct crystals, <1mm, of whitish feldspar? and pale olive-green, altered? ferromagnesian, possibly pyroxene, latter causes most of the greenish cast to the rock.	5201 5202 5203 5204 5205 5206	11.00 26.10 27.10 28.10 29.10 30.10	11.50 27.10 28.10 29.10 30.10 31.10	0.50 1.00 1.00 1.00 1.00	0.01 0.04 0.01 0.07 0.25 0.01	0.01

The porphyroblastic component of dark green serpentine, spots the pale groundmass up to 5%. The serpentine crystals are anhedral and of variably shaped. Size averages 1mm and can range up to 2mm in one dimension.

1-2% white calcite and white quartz veinlets, 1-5mm wide cross the core. Irregular shapes and orientations, present every 20-50cm. 11.25: quartz veinlet, 5mm, in broad S-shape across the core for 13cm. Note 1-2%, fine, bright, anhedral blebs of pyrite in the adjacent volcanic groundmass. A few specs are present the veinlet. Similar pyrite blebs appear sporadically in the volcanic groundmass from place to place - very irregular occurrence.

- 3.0-7.7: blocky ground, local rubble (25%).
- 8.2: open seam of 4cm, filled with silty clay.
- 9.0: 10cm of rubbly core.

Unit is uniform in appearance to 25.2m. Veining to this point is calcite and quartz-quartz-calcite, after this point veining in ankerite and quartz-ankerite.

The mafic unit rapidly changes in appearance to a more ultramafic-like phase. As described above, the dark flecking in



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DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

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FROM	то	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH	Aug/t	ck g/t
		the 3.0-25.2 interval may be serpentine - very soft with a soapy-look to it. The change at 25.2 involves a marked increase in the percentage of the dark green, phyric crystals such that they form 30-35% of the field. The groundmass to these 1-1.5mm grains is carbonate-rich - ankerite, and light whitish-grey in colour. The grains are evenly matrix supported.						
		25.2-29.5: An increase in percentage of veining in the unit to 5-10%. Individual veinlets range from <pre><pre>Imm up to 1cm</pre>, averaging 3-5mm. Occurrence is even to locally concentrated up to 10% over 10-15cm. Orientation is random but the majority are at 45-90 deg. Pyrite is sparse but present as small <pre><pre></pre>(<pre><pre><pre>Imm grains in the volcanic groundmass and veinlets.</pre> Estimate trace to <1% overall. Where veining is heaviest there is coincident replacement and washing away of the host groundmass texture and it becomes greyish-white in colour. These vein-alteration patches form small, sporadic patches up to 10cm wide along the core length - 5% of the core.</pre></pre></pre></pre>						
		At 29.2 the unit becomes darker in colour as serpentinization intensifies and the unit begins to look more like an ultramafic - proportion of serpentinized grains increases to 30-40% and the paler groundmass develops a greenish-beige colour. The rock is moderately soft.						
		Lower contact is sharp - intrusive type at 90 deg.						
31.1	35.5	(8U 8U msv,f-glom,mag) Diabase-feldspar glomeroporphyritic Fine-grained, massive, dark blackish colour on fresh surface. Pale yellow-green feldspar phenocrysts up to 1cm, anhedral in outline, 5% abundance - very obvious accumulations. Distinctly magnetic except near the contacts for 10-30cm.						
		Lower contact in broken core.						
35.5	40.3	(1U 1U msv,mg,w-mpv Serp/Tc,mAv,mmag) Ultramafic-moderately altered Mcdium buffish grey-green, medium-grained, massive. Groundmass of 1-2mm pale multicrystal aggregates of whitish to greenish-white colour with subrounded outline - concentrated	5207 5208 5209 5210 5211	35.50 36.30 37.30 38.30 39.30	36.30 37.30 38.30 39.30 40.30	0.80 1.00 1.00 1.00	0.01 0.04 0.01 0.01 0.01	

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

41.3-42.8: 75% foliated, 25% massive.

43.4: 10cm of foliated rock.

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Page 3 ASSAYS FROM TO LITHOLOGICAL DESCRIPTION SAMPLE No. FROM OT WIDIH Aug/t ckg/t enough to be almost self supporting. Matrix to this crystal phase is a medium beige-green serpentinized groundmass component. Overall appearance is that of densely spotted rock - almost like small varioles. A strong structural feature of the unit are darkly coloured (more strongly serpentinized), curved, selvage-like lines 1cm in width, that breakup the uniformity of the rock - the create rounded forms 5-10cm and up to 20cm in diameter. These are rounded forms characteristic of some ultramafics. In almost all instances these dark selvage-forms are centred by a white carbonate veinlet, or braided concentration of them, up to 1cm wide. The rock is quite soft and easily gouged. Ankerite filled fractures and linear veinlets averaging 1-1.5cm wide permeate the unit at random orientations. Sulphides are sparse in nil to trace amounts. Lower contact in broken core but suggestion of a low core angle at 10 deg. 5212 40.30 40.3 41.3 (6U 6U msv.vfq.nonmaq) 41.30 1.00 0.26 Mafic Volcanic Dyke Black, very fine-grained, nonmagnetic. Unaltered, no veining or mineralization. 0.70 0.01 41.3 47.0 (AZ mAZ/1U+2MS mSZ-loc,mSer-mAnk,5%Av,1%py) 5213 41.30 42.00 Alteration-Shear Zone, weakly pyritic, moderately veined 5214 42.00 43.00 1.00 0.17 Distinct section with both foliated and massive sections. 5215 43.00 44.00 1.00 0.04 Distinctive in its colour which is pale beige due to sericite and 5216 44.00 45.00 1.00 0.15 ankerite content in the pervasively altered groundmass. 5217 45.00 46.00 1.00 0.14 5218 46.00 47.00 1.00 0.16 0.13 Foliated sections defined more by streaky colouring accentuated by fine ankerite lenses and veinlets in a few areas. Strongest fabric developed at following intervals:

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-1

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						ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Au g/t	ck g/t
		45.1: 8cm of foliated, veined material. 45.2-47.0: brecciated, veined section with 10-12% white ankerite veining, up to 10cm in width - very irregular and patchy distribution.						
		Pyrite content in the above sections is sparse at trace to 1%.						
		Protolith uncertain but to 45.0 the groundmass texture suggests it is the overlying ultramafic. From 45.0 to 47.0 the protolith is probably the underlying volcanic.						
		Lower contact at ankerite vein, volcanic contact at 60 deg.						
7.0	65.9	(2MS 2MS fl,mg,lx,wSer-loc,5%Av+pat 5-10% py,mnrQv) Mafic Volcanic, massive, moderately altered Similar to sections in 3.0-31.1. Distinctly medium-grained, massive, medium grey-green from interplay of green ferromagnesian and light, greyish feldspar crystals. Overall colour can vary from light grey-green to darker blackish-green. Pale pinkish leucoxene intermittently present in 1-3% concentrations - very small specks. Ankerite veinlets common at 5% as well as occasional quartz- ankerite veinlets. Veinlet intervals every 10cm or so. Most average <1cm wide.	5219 5220 5221 5222 5223 5224 5225 5226 5227 5228	47.00 48.00 49.00 50.00 51.00 52.00 53.00 54.00 63.90 64.90	48.00 49.00 50.00 51.00 52.00 53.00 54.00 55.00 64.90 65.90	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.08 0.06 0.41 5.41 2.51 0.07 0.01 0.04 0.01	5.90
		Heavy pyrite associated with some of these latter veinlets - especially the more subtle ones which appear to be related to alteration rather than simple fracture veining. An example is at 50.9m where 5-10% fine-grained pyrite clusters within 1cm of a 1-2mm ankerite veinlet. Pyrite is ubiquitous but patchy in this section immediately following the alteration zone. Ankerite veinlets have random orientations, some as low as 30 deg. Veining is fairly evenly distributed through the section.						

Locally there is brownish-beige cast to the alteration that pervades the volcanic in a subtle fashion.

Lower contact intrusive at 60 deg.

5229

65.90

66,90

1.00

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-1

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

65.9 68.0 (2U 2U/dyke msv, vfg, nonmag)

Mafic Volcanic Dyke

Dark green with beige cast, very fine-grained. Contains 1% scattered white ankerite blebs about 1-2mm in size.

66.6-66.7: small interval of strongly foliated, altered volcanic, similar to that immediately above the dyke.

67.5-67.7: same as 66.6.

Fine chill margins at 66.6 and 66.7.

The unit is nonmagnetic. Appears to be late volcanic intrusive, does not appear to be diabase. Contains small number of ankerite veinlets. Is dissimilar to 40.3.

Lower contact sharp - intrusive at 80 deg.

68.0 121.5 (10 10/6P? msv, f-mq, mag, 3%Av)

Ultramafic - Peridotite?, massive, magnetic Dark green to blackish-green, massively textured, fine to medium-grained groundmass. Laced with randomly oriented and spaced ankerite filaments and veinlets in 2-3% concentrations.

Soft, slight talcose feel, moderately serpentinized. Very uniform appearance. No spinifex or polygonal structures.

Moderately to strongly magnetic.

Tectonized over initial 4 meters at 60-70 deg to core axis.

70.4-71.9: gouge, rubble zone, seam with no core from 70.4 to 71.2.

No sulphides present in the unit.

93.9-114.2: blocky ground with a number of strong breaks in the core, and local coarse rubble over 10-20cm intervals.

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Page 5

0.12

0.11

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-1

SAMPLE No.

FROM

ASSAYS

OT

WIDIH Au q/t ck q/t

FROM TO

LITHOLOGICAL DESCRIPTION

Some section of the ultramafic have brighter green colouring as opposed to the blackish-green colour- usually where there is a coarse rubbly structure a the rock is crushed.

Last .5m contains slight increase in the amount of white ankerite veining - parallel 3-4mm wide veinlets, all at about 60 deg to core axis, every 1-10cm.

107.5 110.8 (2U 2U msv,fg)

Mafic Volcanic

Possibly an inclusion. Upper contact is irregular and very hard to trace due to lack of colour contrast - definitely not a sharp. Contact at 110.8 is sharp at 35 deg but irregular on other side of the core. Unit's colour is grey-green with buffish cast, fine-grained, massive groundmass. No veining or distinct alteration. Faint darker, greyish seams and small patches.

110.8-121.5: ultramafic as previous Continuation, same throughout. No alteration or significant veining, characteristic white veinlets are calcite-bearing. Location of change from ankerite to calcite not determined.

121.5 142.0 (8U 8U msv, f-glom, mag)

Diabase-feldspar glomeroporphyritic

Typical feldspar porphyritic diabase. Fine-grained groundmass with 3% lime-green, subhedral feldspar up to 1cm in size.

Weakly to moderately magnetic - the ultramafic in distinctly more magnetic than this unit.

142.0 End of Hole

Casing left, capped

Core boxes: 34, stored at Aunor Minesite, Timmins

Assay samples: 29 (Au) Township: Knight

NTS: 41P 10/11

UIM: 495610E/5281789N (approx)

Claim: collar on 1221719, eoh on same

Collar Location: 100m E, 89m N of #3 post of 1221719 Location of eoh: 333.47W/342.79N, elevation -105.57m

HOLE No: K97-1

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

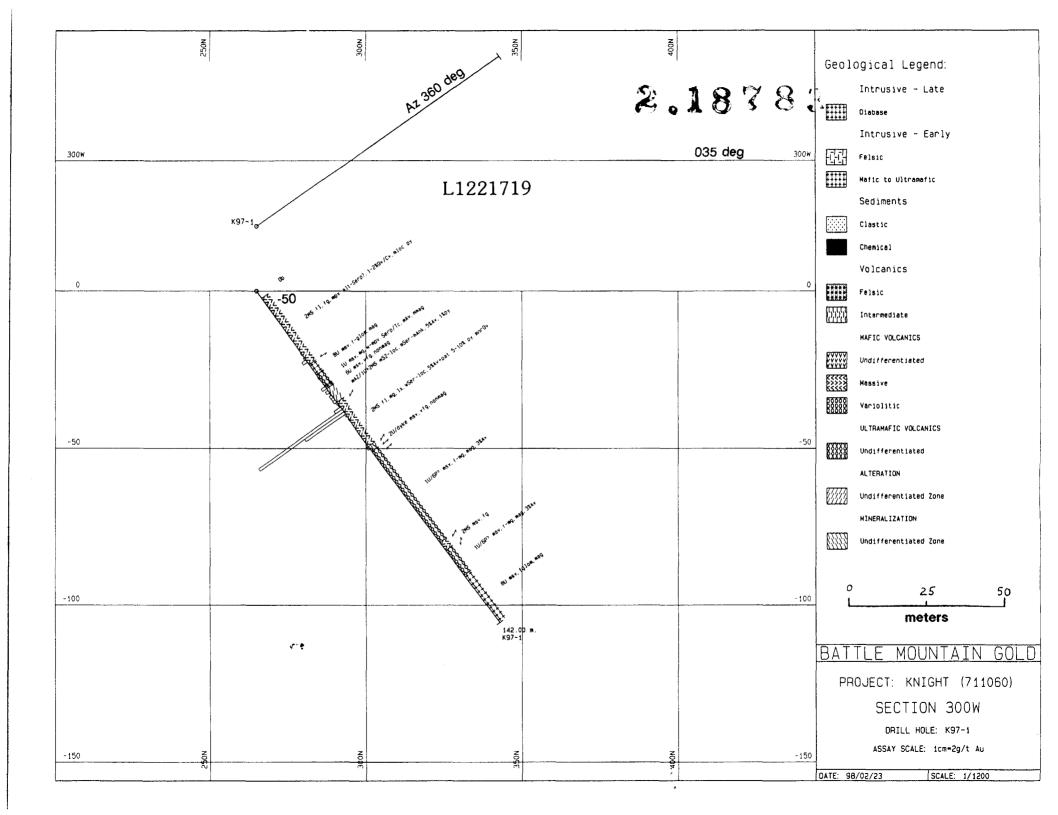
HOLE No.: K97-1

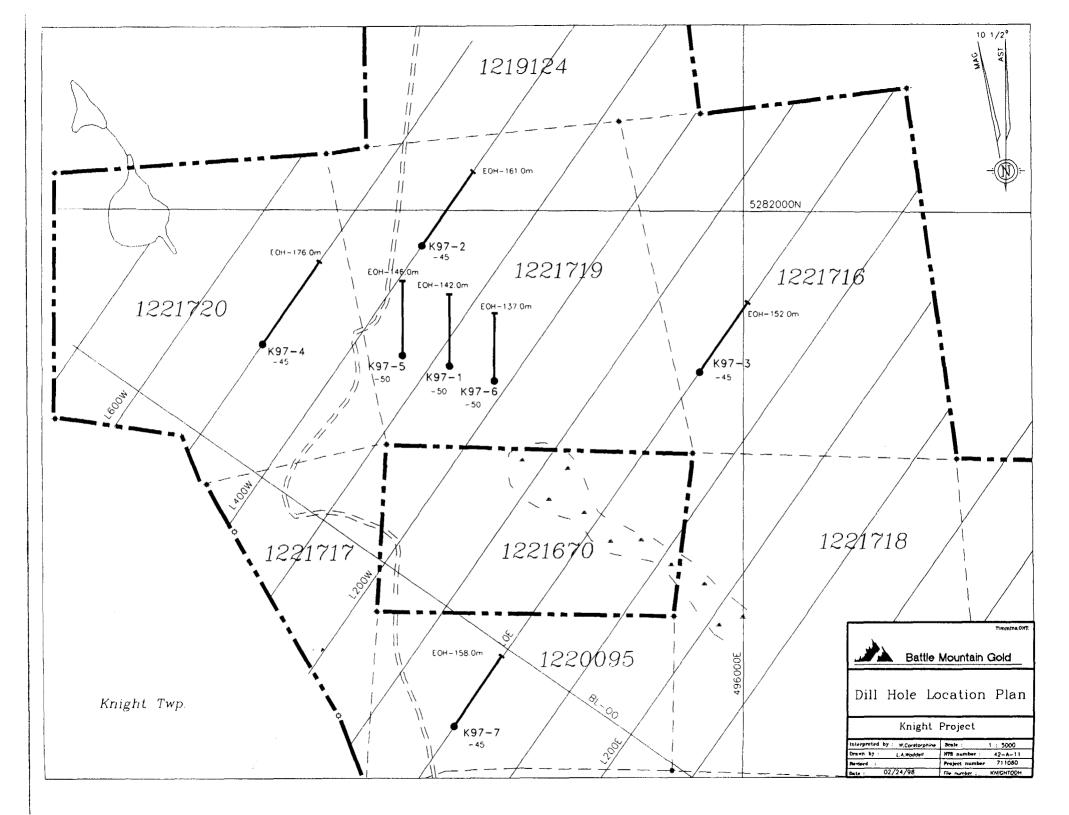
				-				
						ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	OT	WIDTH	Au g/t	ck g/t

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
60.00	-47.50	325.00
105.00	-47.50	325.00
142.00	-47.50	325.00

GEOLOGY LEGEND	ABBREVI	ATIONS		
8U Diabase (U=undifferentiated)	Texture		Veining	
(ag, agg	agglomerate	Asbv	asbestose
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Av	ankerite
7G Granite	FB, fb, fbx	flow breccia	Cv	calcite
7Gd Granodiorite, Quartz Monzonite	fol	foliated	Epv	epidote
7T Tonalite	glom	glomerophyric	Hemv	hematite
7S Syenite	gm	groundmass	Mtv	magnetite
7M Monzonite	hy	hyaloclastic	Qv	quartz
7FP Feldspar Porphyry	htr	heterolithic	Qav	quartz-ankerite
7QFPQuartz-Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7PA Pegmatite	ms, msv, mas		Qtourv	quartz-tourmaline
7A Aplite	Р	pillowed	Tourv	tourmaline
7F Felsite	pj	polygonal jointing		
, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt	quench testure	bd	bedded
6D Diorite, Trondhjemite	sch	schistose	bnd	banded
6G Gabbro	sfx	spinifex	bx	breccia
6A Anorthosite	l t	tuff, tuffaceous	bxd	brecciated
6P Peridotite, Pyroxenite	l tx	texture	ct	contact
6L Lamprophyre	tbx, t-bx	tuff-breccia	F, f	fault
of Camprophyre	ves	vesicular	FZ, fz	fault zone
5U Clastic Sediments	var	variolitic	flt	faulting
	phy	_phyric	fl	flow
5Ar Argillite	1		fr	fracture
5ARGF Graphitic Argillite	Alteration		g	gouge
5GW Greywacke	Ab	albitization	pj	polygonal jointing
5CG Conglomerate	Ank	ankeritization	s, sh	shear
5CGT Timiskaming Conglomerate	AZ, az	alteration zone	SZ, sz	shear zone
5SS Sandstone	Bi	biotite	slk	slickenside
5ST Ssiltstone	Blch	bleached		
5Q Quartzite	Cal	calcitic	Other	
5A Arkose	Carb	carbonatization	bld	boulder
	Cb	carbon	ch, cty	cherty
4U Chemical Sediments	Chl	chloritization		coarse-grained
4IF Iron Formation	Ep	epidotization	cg fg	fine-grained
4IFS Sulphide Facies	Fu	fuchsite	int	intermittent
4IFC Silicate Facies	Gcb	green carbonate/fuchsite	loc, I	local, locally
4IFO Oxide Facies	Gos	gosson	mag	magnetic
4C Chert	Hem	hematization	-	medium-grained
4IGF Graphite	Lx	leucoxene	mg mnr	minor
	Pot	potassic	mod, m	moderate
3U Felsic to Intermediate Volcanic	Ser	sericitization	Ob, Ovb	overburden
3R Rhyolite	Serp	serpentinization	pv	pervasive
3D Dacite	Sil	silicification	rub	rubble
3A Andesite	Tc	talc	sil	siliceous
3T Trachyte	Tour	tourmaline		
	Tour	tourmaine	st, s	strong
2U Mafic Volcanics	NG:		tect	tectonized
2MS Massive	Mineralizatio		tr 	trace
2P Pillowed	Asb	asbestose	V	very
2FB Flow Breccia	Asp	arsenopyrite	wk, w	weak
2HY Hyaloclastite	Clpy	cluster pyrite		
2VAR Variolitic	Сру, Ср	chalcopyrite		
2POR Porphyritic	Cry	crysotile		
2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
21111 1114611111111111111111111111111111	Mt	magnetite		
1U Ultramafic Volcanic	Mo	molybdenite		
1TC Talc-Chlorite (altered)	Po	pyrrhotite		
1GCB Green-Carbonate (altered)	Py	pyrite		
1K Komatiite	Sw	stockwork		
1BK Basaltic Komatiite	VG	visible gold		
1DA Dasanic Romaine	MZ	mineralized zone		
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DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

Collar Eastings: -400.00Collar Northings: 375.00 Collar Elevation: 0.00

Grid: BMG 035 DEG Claim: 1221719

TO

FROM

Collar Inclination: -45.00 Grid Bearing: 0.00

Final Depth: 161.00 metres Log Completed: 11/11/97

Core: NQ/stored at Aunor Minesite, Timmins

SAMPLE No.

Logged by: W Corstorphine Date: 8/11/97 to 9/11/97 Down-hole Survey: Acid

Contractor: NDS Drilling

ASSAYS

WIDTH Aug/t ckg/t

0.0 7.0 (Ob) Overburden-casing

7.0 (8U 8U msv,fq,f-glom,mag) 19.0 Diabase-feldspar glomerporphyritic, magnetic Dark green, fine-grained groundmass. 1-2% lime-green feldspar phenocrysts up to 1cm.

13.0-14.2: blocky core.

Lower contact 80 deg, sharp - chilled over several cm.

LITHOLOGICAL DESCRIPTION

19.0 24.1 (1U 1U msv,f-mq,2%Cv,tr py) Ultramafic

Magnetic.

Dark blackish-green groundmass of fine to medium rain size. Texture is a fine 1mm mottle of even sized grains. Slightly lighter grey, coalescing, roundish 1mm grains (60%), matrixed tightly by deep green groundmass. On cored surface the greyish grains are light grey. Slight talcose feel to the core surface. Yellow-green serpentine slip surfaces on some fractures.

Very minor disseminated pyrite - scattered 1-2% in isolated patches.

No significant alteration - 1-2% white calcite stringers.

Lower contact distinct over 10-20cm but not sharp lack of colour and textural contrast between the ultramafic and the adjacent mafic unit. Coarse irregular, almost mixed, breccia relationship. Minor calcite veinlets at 10-15 deg to core axis



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FROM

OT

KNIGHT

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Hayne Las Torkhans

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

					 !	ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	MIDIH	Au g/t	ck g/t
24.1	30.6	(2MS 2MS fl,f-mg,lx,nonmag,3-5%Cv/Av,tr py) Mafic Volcanic - massive flow Medium to fine-grained, massive texture. A mottled, medium grey, coalescing groundmass component (feldspathic) - 80-85%, matrixed by darker, green hornblende - all are probably aggregate assemblages rather than larger individual crystals.	5230 5231	25.90 28.80	26.90 29.80	1.00	0.08 0.01	
		1-2% very fine, pale rosy leucoxene throughout groundmass.						
		Nonmagnetic.						
		There is some variation in the clarity of the groundmass texture and overall colour due to changes in grain size and effects of carbonate and quartz-carbonate stringers that occur intermittently throughout the section - 3-5% overall. Veinlets are up to several cm in several places with another measuring 10cm at 26.05 meters. Sulphide association is sparse - nil to trace. Distribution of remaining stringers is uniform except in central part of the section from 26.8 to 28.9 where veining is sparse.						
		28.9-30.6: Increased ankerite veining to 5%. Irregular pattern of veinlets and lenses at 45 deg. There are some later, filled-in fractures that are discordant to the 45 deg veining. No significant sulphides observed. The unit's colour changes to a brighter green cast suggestive of weak fuchsite. Several 5-8mm wide, sericitized fracture zones are present - occur at low core angles.						
		Lower contact relatively distinct at 20 degrees. Evidence of disturbance - minor shearing or fragmentation.						
30.6	47.9	(5U 5ARGF/mnr lam 4IFS/msv5ST loc cg py) Graphitic Sediments -Argillite, Siltstone, Sulphide Iron Formation	5232 5233 5234	29.80 30.80 31.80	30.80 31.80 32.70	1.00 1.00 0.90	0.01 0.01 0.01	

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DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

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						ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Aug/t	ck g/t
		Laminated, fine-grained sediments dominated by	5235	32.70	33.70	1.00	0.01	0.01
		black and grey graphitic argillite (50%), and pale, tan	5236	33.70	34.70	1.00	0.07	
		to faintly greenish-tan siltstone (50%). Bedding is	5237	34.70	35.70	1.00	0.01	
		very well preserved - several locations exhibiting	5238	35.70	36.70	1.00	0.01	
		flame structure and graded bedding, all indication	5239	36 .7 0	37.70	1.00	0.01	
		tops to be up-hole towards the south west.	5240	37.70	38.70	1.00	0.01	
		Individual beds and laminations range from <1mm	5241	38.70	39.70	1.00	0.01	
		up to 80cm in the case of one volcanic siltstone	5242	39.70	40.70	1.00	0.01	
		interval starting at 38.0m. Some local breccia	5243	40.70	41.70	1.00	0.01	
		textures and soft sediment dislocation particularly at	5244	41.70	42.70	1.00	0.01	
		and toward the stratigraphic top of the unit.	5245	42.70	43.70	1.00	0.07	
			5246	43.70	44.70	1.00	0.05	
		Core angles vary from 85 to 60 degrees , 75 to 80 is	5247	44.70	45.50	0.80	0.01	0.01
		the most common by far.	5248	45.50	46.50	1.00	0.01	
		· · · · · · · · · · · · · · · · · · ·	5249	46.50	47.90	1.40	0.01	

Occasional massive, fine-grained pyrite laminae. Heaviest occurrence is at 35.3 with about 5cm of 60% massive pyrite. Otherwise pyrite laminae are only 1-3mm and intermittent. They tend to occur in 3-5cm clusters in the more graphitic sections.

A number of water seams are present as far as 36.0.

30.6-32.1: Siltstone

Pale tan-buff fragments matrixed by light grey, clean wacke (10%). Siltstone bedding is massive but dislocated and broken up. Two small massive pyrite patches present at 31.13 and 31.66. Lower contact is interbedded with graphitic sediment.

32.1-42.0: Graphitic Argillite Black to grey laminae interbedded with occasional tan siltstone bed (10-15%). Average thickness of finer argillites is 1-3cm, ranging from 1mm up to 80cm.

A very homogeneous section of sediments.

32.2-33.1: Bright green patches of unknown composition forms a matrix-like structure in the sediments. It appears to be related to fracturing and

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

Page 4

FROM TO

LITHOLOGICAL DESCRIPTION

ASSAYS
SAMPLE No. FROM TO WIDIH Au g/t ck g/t

may be caused by hydration - possibly clay mineral development. Forms 20% of this interval.

Lower contact of the graphitic interval is interbedded with tan siltstone.

42.0-47.9: Siltstone
Massively bedded, aphanitic to very finely textured.
Light tan to faintly greenish-tan in colour.
Occasional paler buff sections from 45.2 to 47.5
exhibiting evidence of strong discoloration from a
dark black-grey to a pale buff - remnants of protolith
as angular patches in the alteration.

44.25-45.0: Local disseminated pyrite 1-3% overall. Main concentration at 44.66 in 3cm section with 10-12% pyrite. Pyrite appears indigenous or remobilized - some in fractures.

45.5-46.1: 1-3% disseminated, fine-grained pyrite. Uneven distribution, locally increased concentrations up to 5-8% over 10cm at 45.9.

The sediment unit is unaltered and is not veined other than from typical very fine calcite, +/- ankerite, veinlets, <<1% overall.

Lower contact is gradational into narrow pyritic zone which appears related to the underlying volcanic as it contains a similar pyritic zone within.

47.9 52.46

(2MS 2MS fl, loc fbx,mnr loc py)
Mafic Volcanic - massive flow

Light to medium buffish-grey - variable hues. Numerous dark green-grey seams and flow related selvages suggesting the unit is quasi-pillowed. The groundmass is fine-grained to very fine-grained and massive. No fabric in the unit. Some brecciation related to flow.

Occasional amygdule-bearing areas - usually filled

5250 47.90 49.00 1.10 0.04 5251 49.00 50.00 1.00 0.07

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

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ASSAYS

FROM TO

LITHOLOGICAL DESCRIPTION

SAMPLE No.

FROM

OT

WIDIH Aug/t ckg/t

with dark green mineral.

1% fine, white, calcite-filled fractures lines. Note small amount of calcite in the fine groundmass.

Interflow material pyritic in several locations. Pyrite grains up to 4-4mm. Concentrations range up to 10 and 20% in some places.

48.0-48.35: 15-18% coarse disseminated pyrite of subhedral to anhedral shape, fine-grained masses.

49.36: irregular 3cm zone with 10% coarse pyrite.

49.76-49.96: zone with 10% coarse pyrite over 20cm.

All above pyrite intervals are of similar type of occurrence - indigenous pyrite.

The unit is quite uniform overall.

Lower contact is sharp, diabase chill margin at $40 \ \mathrm{degrees}$.

52.46 79.1 (8U msv,f-mg,wf-glom,mag)
Diabase -massive, magnetic
Dark green, massive, fine to medium-grained.
Moderately magnetic throughout.
Rare lime-green feldspar phenocryst/aggregate.
This unit becomes relatively coarse-grained compared to previously encountered diabase units.
Fine-grained chill margin over last 3-4 meters.

Lower contact sharp at 30 degrees.

79.1 140.45 (2MS 2MS fl,loc fbx,mmr loc py)

Mafic to Intermediate Volcanic - massive flow
Pale buffish-grey, fine-grained with 3-5% phyric
crystals of various appearance - prominent 1-2mm
(1-2%) pale greenish to whitish - very soft
(serpentine?) of irregular shape - often embayed,

5252 139.40 140.40 1.00 0.01

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

Page 6

5253 140.40 141.60

FROM TO

LITHOLOGICAL DESCRIPTION

ASSAYS
SAMPLE No. FROM TO WIDTH Au g/t ck g/t

subangular. With increasing depth these crystal forms become dark green. Second phyric mineral is Imm, and black or black-green - suspect they may be related to larger type although colour and size differ.

Also present in the groundmass is 3% very fine leucoxene.

The unit is massively textured, broken only by dark grey open space fracture/breccia veins - related to flow structure and breakup of the flow material. The rock is very uniform in overall appearance

129.3-132.5: Breccia interval Flow-type fragmentation, clasts to 5-6cm, many floating in flow material.

Lower contact of the unit is sharp at 90 degrees.

140.45 141.6

(4U 4C/4CGF/mnr4IFS)

Sediments

Chert, Graphitic Chert, Bedded Pyrite Sedimentary section of mixed composition. Laminated on .5 to 5cm scale. Black graphitic chert, grey chert and minor massive pyrite laminae (5%). 50% black chert and 45% grey chert beds.

Heaviest pyrite occurs at 141.0 where there is 20cm of 10% pyrite laminae, one is 8mm thick.

Core angles are 70 degrees.

Several conformable carbonate veinlets mixing with the sediments. No significant sulphides associated with them.

The section is considered to be unaltered.

Lower contact distinct but in volcanic rubble.

141.6 161.0 (2VAR 2VAR p,hy,msv)

5254 141.60 142.60 1.00 0.08

HOLE No: K97-2

0.05

1.20

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-2

ASSAYS FROM OT LITHOLOGICAL DESCRIPTION SAMPLE No. FROM TO WIDIH Aug/t ckg/t 142.60 143.60 1.00 0.01 5255

5256

5257

143.60

144.60 5258 145.60

144.60

145.60

146.60

1.00

1.00

1.00

0.01

0.01

0.01

0.01

Pillowed, Variolitic Volcanic Distinctly different from previous volcanic sections in this hole. Very inhomogeneous in colour and texture due to the variolitic and pillowed nature of the unit. Colours range from dark black-green of the hyaloclastic, interpillow selvage material to the pale grey and faintly beige grey of the siliceous variolitic areas. Darker mottled green, medium to finergrained internal volcanic material is also present. Hyaloclastic material is ubiquitous. Nonmagnetic. Epidote-bearing patches up to 4-5cm scattered through section. Homogeneous overall dispite appearance. Unaltered, unmineralized, minor calcite veinlets. Minor disseminated pyrite and localized, small massive clots in selvage areas within the first 4-5

161.0 End of Hole

meters of the upper contact.

Casing pulled

Core boxes: 37, stored at Aunor Minesite, Timmins

Assay samples: 29 (Au)

Township: Knight NTS: 41P 10/11

UIM: 495574E/5281950N (approx)

Claim: collar on 1221719, eoh on same

Collar Location: 125m E, 145m S of #4 post of

Location of eoh: 400W/494.34N, elevation

-108.03m

DOWN-HOLE SURVEY DATA

DEPTH INCLINATION BEARING 60.00 -41.50 0.00

HOLE No: K97-2

DIAMOND DRILL LOG

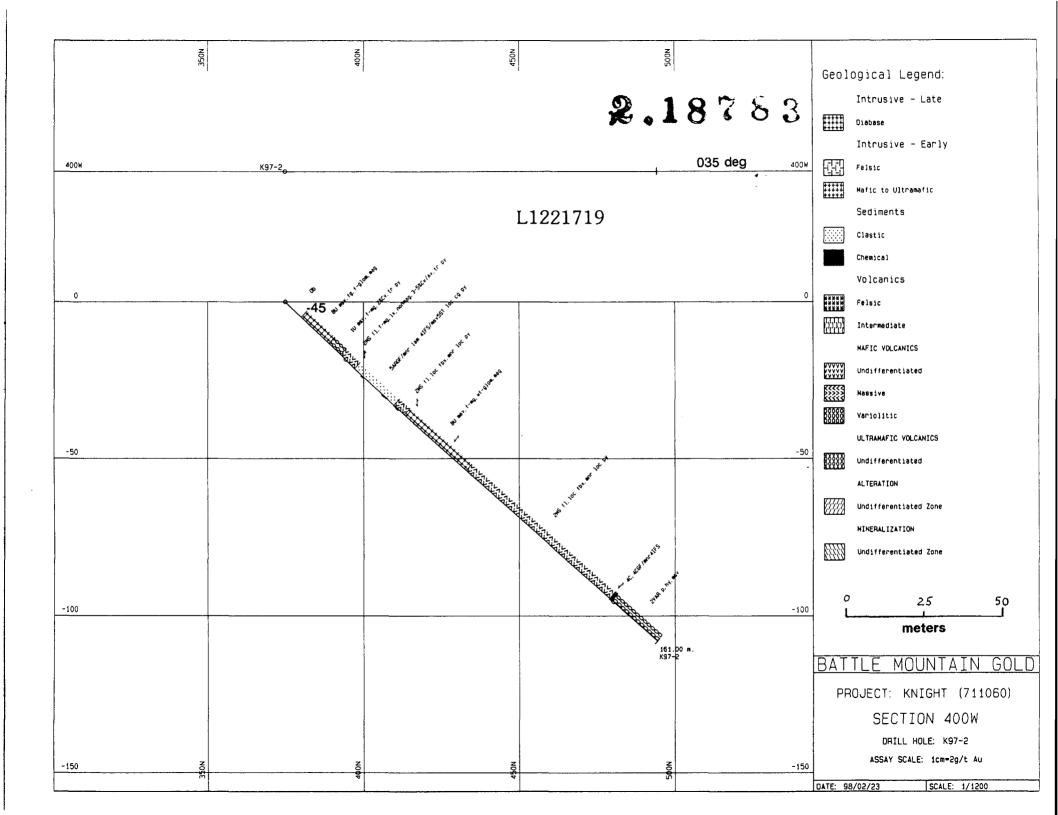
PROPERTY: KNIGHT (711060)

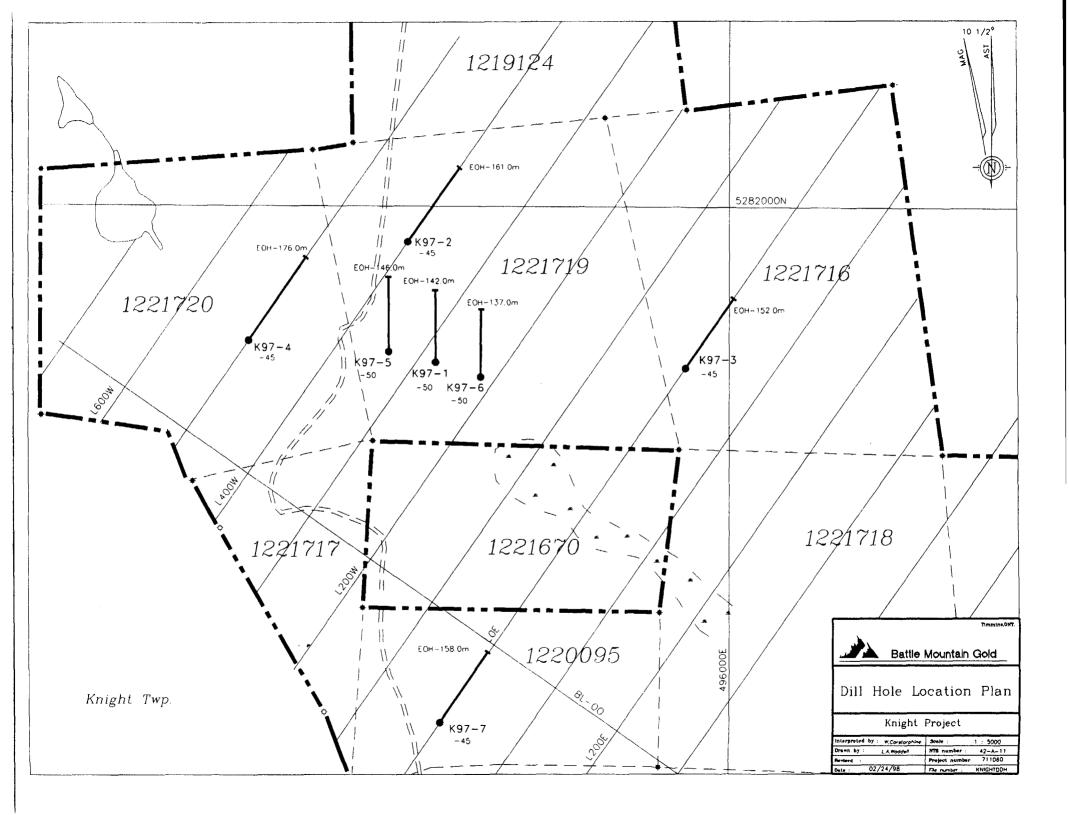
HOLE No.: K97-2 Page 8

		-	.090	-
FROM	то	LITHOLOGICAL DESCRIPTION	ASSAYS SAMPLE No. FROM TO WIDTH Aug/t ckg/t	-
		DEPTH INCLINATION BEARING		

120.00 0.00 -41.50-41.50 161.00 0.00

GEOLOGY LEGEND	ABBREVI	ATIONS		
8U Diabase (U=undifferentiated)	Texture		Veining	
,	ag, agg	agglomerate	Asbv	asbestose
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Av	ankerite
7G Granite	FB, fb, fbx	flow breccia	Cv	calcite
7G Grandiorite, Quartz Monzonite	fol	foliated	Epv	epidote
7T Tonalite	glom	glomerophyric	Hemv	hematite
7S Syenite	gm	groundmass	Mtv	magnetite
7S Syeffite 7M Monzonite	hy	hyaloclastic	Qv	quartz
,	htr	heterolithic	Qav	quartz-ankerite
7FP Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7QFP Quartz-Feldspar Porphyry	ms, msv, mas		Otourv	quartz-tourmaline
7PA Pegmatite		pillowed	Toury	tourmaline
7A Aplite	p ni		1 Out 1	tournamo
7F Felsite	pj mor	polygonal jointing	Ctmsotural	
	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt.	quench testure	bd	bedded
6D Diorite, Trondhjemite	sch	schistose	bnd	banded
6G Gabbro	sfx	spinifex	bx	breccia
6A Anorthosite	t	tuff, tuffaceous	bxd	brecciated
6P Peridotite, Pyroxenite	tx	texture	ct	contact
6L Lamprophyre	tbx, t-bx	tuff-breccia	F, f	fault
, , , , , , , , , , , , , , , , , , ,	ves	vesicular	FZ, fz	fault zone
5U Clastic Sediments	var	variolitic	flt	faulting
5Ar Argillite	_phy	_phyric	fl	flow
		<u> </u>	fr	fracture
5ARGF Graphitic Argillite	Alteration		g	gouge
5GW Greywacke	Ab	albitization	pj	polygonal jointing
5CG Conglomerate	Ank	ankeritization	s, sh	shear
5CGT Timiskaming Conglomerate	Ank AZ, az	alteration zone	SZ, sz	shear zone
5SS Sandstone	AZ, az Bi	biotite	sik	slickenside
5ST Ssiltstone	Blch	bleached	SIK.	SHOROHOIGO
5Q Quartzite		***	Other	
5A Arkose	Cal	calcitic	Other	111
	Carb	carbonatization	bld ab atv	boulder
4U Chemical Sediments	Cb	carbon	ch, cty	cherty
4IF Iron Formation		chloritization	cg	coarse-grained
4IFS Sulphide Facies		epidotization	fg	fine-grained
4IFC Silicate Facies		fuchsite	int	intermittent
4IFO Oxide Facies	Gcb	green carbonate/fuchsite	loc, I	local, locally
4C Chert		gosson	mag	magnetic
4IGF Graphite	Hem	hematization	mg	medium-grained
1101 Oupline	Lx	leucoxene	mnr	minor
3U Felsic to Intermediate Volcanic	Pot	potassic	mod, m	moderate
3R Rhyolite	Ser	sericitization	Ob, Ovb	overburden
•	Serp	serpentinization	pv	pervasive
	Sil	silicification	rub	rubble
3A Andesite	Tc	talc	sil	siliceous
3T Trachyte	Tour	tourmaline	st, s	strong
<u>_</u>	1	VV 601 101 W1010 -	tect	tectonized
2U Mafic Volcanics	Mineralizatio	าท	tr	trace
2MS Massive	Asb	asbestose	v	very
2P Pillowed	Asp	arsenopyrite	wk, w	weak
2FB Flow Breccia			····, ··	***************************************
2HY Hyaloclastite	Clpy	cluster pyrite		
2VAR Variolitic	Сру, Ср	chalcopyrite		
2POR Porphyritic	Cry	crysotile		
2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
	Mt	magnetite		
1U Ultramafic Volcanic	Мо	molybdenite		
	Po	pyrrhotite		
1TC Talc-Chlorite (altered)	Py	pyrite		
1GCB Green-Carbonate (altered)	Sw	stockwork		
1K Komatiite	VG	visible gold		
1BK Basaltic Komatiite	MZ	mineralized zone		
	1			





DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-3

Collar Eastings: 0.00 450.00 Collar Northings: Collar Elevation: 0.00

Grid: BMG 035 DEG Claim: 1221716

Collar Inclination: -45.00

Grid Bearing: 0.00

Final Depth: 152.00 metres Log Completed: 18/11/97

Core: NQ/stored at Aunor Minesite, Timmins

SAMPLE No.

Logged by: W Corstorphine/S McCann

Date: 11/11/97 to 18/11/97 Down-hole Survey: Acid Contractor: NDS Drilling

FROM

ASSAYS TO WIDTH Aug/t ckg/t

FROM TO LITHOLOGICAL DESCRIPTION

0 11.0 (Ob)

Overburden-casing

11.0 73.9 (1U 1U/6P? msv, serp fr, mag, tr asb)

Ultramafic - Peridotite?

Dark blackish-green, fine to medium-grained, massive groundmass.

Strongly magnetic.

Very blocky core return, numerous coarse rubble chips. Bright olive-green serpentine on the numerous fracture surfaces which randomly crisscross the core almost continuously - 1-4mm in thickness. Small crysotile asbestos fibers sometimes in evidence. No immiscibility structures such as spinifex or polygonal jointing. No talcose feel to the cored surface. Uniform throughout section.

Lower contact sharp but very irregular - evidence of fragmentation of underlying volcanic and influx of ultramafic into openings for over 20cm.

73.9 87.3 (2MS 2MS fl,f-mg,nonmag)

Mafic Volcanic - massive, homogeneous

Grey-green to green-grey, very even textured, finegrained - groundmass crystals readily discernible up to 1/2mm.

Primarily a greyish colour with slight olive cast.

Nonmagnetic.

Unaltered, unveined to any significant degree, and unmineralized except for minor chalcopyrite at the upper contact.

No flow features or structures, very homogeneous.

41P11NE2004 2.18783

KNIGHT

030

Dayne Sustantimo

5381

5382

5383

5384

5385

134.90

135.90

137.00

143.00

144.50

135.90

137.00

138.50

144.50

146.00

DIAMOND DRILL LOG

PROPERTY:	KNIGHT	(711060)

HOLE No.: K97-3

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

Right at upper contact there is a discontinuous 2mm vein-like mass 3-4cm long in a fracture-like selvage.

Lower contact in rubble.

87.3 91.5 (FZ/IU sg,0.4m sand seam)
Fault Zonc - in ultramafic
Severe tectonic fault structure. Interval is a mix of gouge and fine, blocky rubble.

91.0: enter into sand seam, drilled .5m into seam - no return of water, suspend hole 7AM Nov 12/97. Return to hole Nov 17/97 and deepen, no core for .5m - 91.0-91.5.

91.5 134.9 (1U 1U/6P? msv,serp fr,mag)
Ultramafic - Peridotite
Dark black to green, massive uniform groundmass is fine-grained and moderately magnetic. Serpentine commonly associated with fractures and narrow <1cm quartz calcite stringers, nil pyrite, lower contact sharp at 60 degrees.

134.9 152.0 (2MS 2MS/P hy selv,cal frac,loc mag)

Massive to Pillowed Mafic Volcanic

Pale grey to green-grey, fine-grained massive
groundmass, locally strongly magnetic as at 139.5.

5% quartz-calcite stringers usually <2cm width.

Calcite fracture filling common and generally
displays a bleached alteration halo, quartz filled
amygdules up to 5mm diameter throughout the unit.

Groundmass is weakly silicified and ankeritized.

Below 146.0 distinct pillow selvages can be observed. Pillows are up to 1.0m in length but average <.5m. Hyaloclastite shards are found within the selvages. Trace pyrite and locally up to 1% chalcopyrite associated with the quartz-calcite stringers and the narrow 5cm breccia zone at 144.3.

HOLE No: K97-3

0.01

0.01

0.01

0.01

0.01

0.01

1.00

1.10

1.50

1.50

1.50

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-3

......

ASSAYS

Page 3

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

152.0 End of Hole

Casing left, capped

Core boxes: 36, stored at Aunor Minesite, Timmins

Assay samples: 5 (Au) Township: Knight NTS: 41P 10/11

UTM: 495925E/5281780N (approx)

Claim: collar on 1221716, eoh on same

Collar Location: 10m E, 106m N of #3 post of

1221716

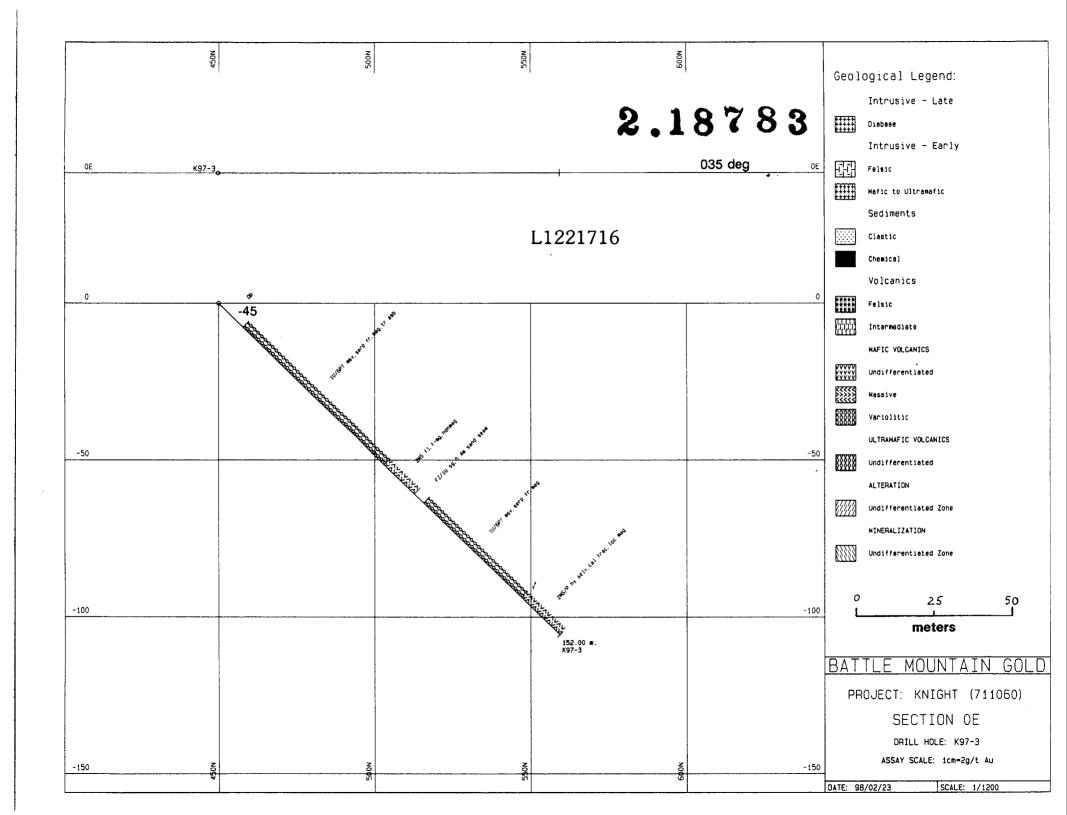
Location of eoh: 400W/494.34N, elevation

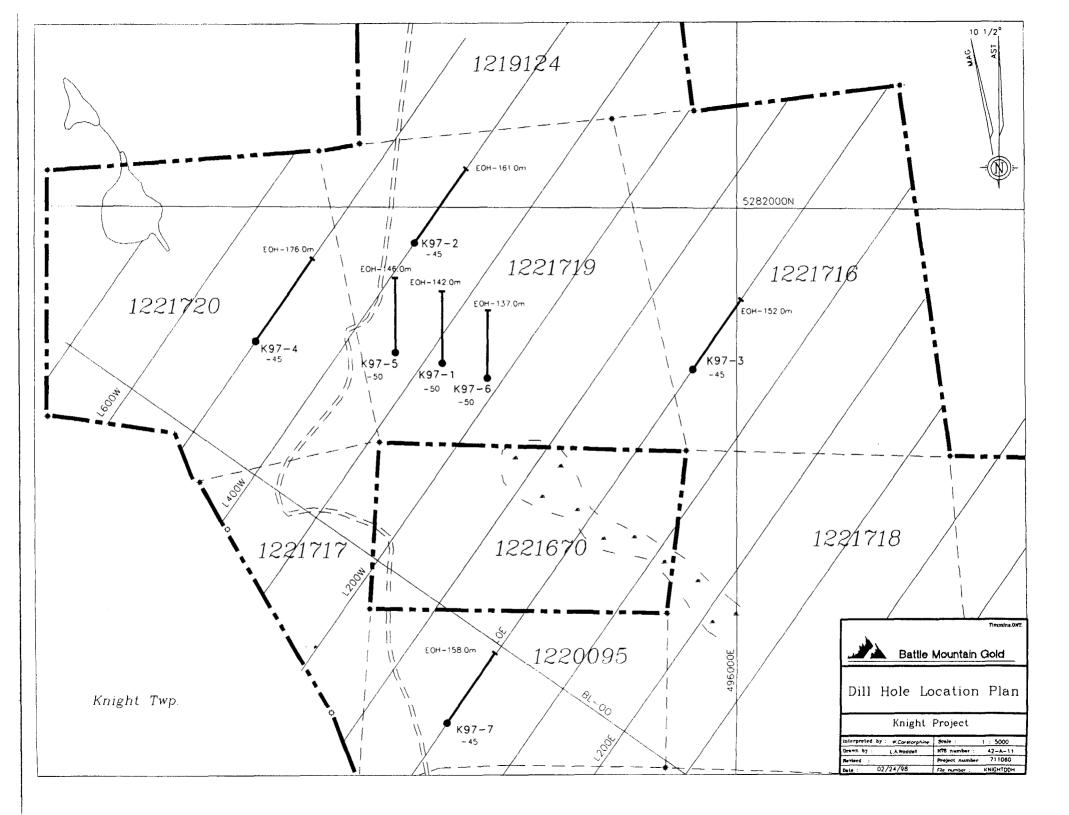
-108.03m

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
60.00	-43.50	0.00
120.00	-44.00	0.00

	1 ADDDESA	ACTIONIC		
GEOLOGY LEGEND	ABBREVI	ATIONS		
8U Diabase (U=undifferentiated)	Texture		<u>Veining</u>	
	ag, agg	agglomerate	Asbv	asbestose
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Av	ankerite
7G Granite	FB, fb, fbx	flow breccia	Cv	calcite
7Gd Granodiorite, Quartz Monzonite	fol	foliated	Epv	epidote
7T Tonalite	glom	glomerophyric	Hemv	hematite
7S Syenite	gm	groundmass	Mtv	magnetite
7M Monzonite	hy	hyaloclastic	Qv	quartz
7FP Feldspar Porphyry	htr	heterolithic	Qav	quartz-ankerite
7QFPQuartz-Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7PA Pegmatite	ms, msv, mas		Qtourv	quartz-tourmaline
7A Aplite	P _.	pillowed	Tourv	tourmaline
7F Felsite	pj	polygonal jointing	C41	
	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt	quench testure	bd land	bedded
6D Diorite, Trondhjemite	sch	schistose	bnd	banded
6G Gabbro	sfx	spinifex	bx bad	breccia brecciated
6A Anorthosite	t	tuff, tuffaceous texture	bxd	contact
6P Peridotite, Pyroxenite	tx tbx, t-bx	tuff-breccia	ct F, f	fault
6L Lamprophyre	ves	vesicular	FZ, fz	fault zone
	ves	variolitic	flt	faulting
5U Clastic Sediments	vai _phy	_phyric	fi	flow
5Ar Argillite	_piry	_phyric	fr	fracture
5ARGF Graphitic Argillite	Alteration			gouge
5GW Greywacke	Ab	albitization	g pj	polygonal jointing
5CG Conglomerate	Ank	ankeritization	s, sh	shear
5CGT Timiskaming Conglomerate		alteration zone	SZ, sz	shear zone
5SS Sandstone	AZ, az Bi	biotite	slk	slickenside
5ST Ssiltstone	Blch	bleached	SIK	SHOROHSIGO
5Q Quartzite	Cal	calcitic	Other	
5A Arkose	Carb	carbonatization	bld	boulder
ATT Charles to LC att	Cb	carbon	ch, cty	cherty
4U Chemical Sediments	Chi	chloritization	cg cg	coarse-grained
4IF Iron Formation	Ep	epidotization	fg	fine-grained
4IFS Sulphide Facies	Fu	fuchsite	int	intermittent
4IFC Silicate Facies 4IFO Oxide Facies	Gcb	green carbonate/fuchsite	loc, I	local, locally
4C Chert	Gos	gosson	mag	magnetic
	Hem	hematization	mg	medium-grained
4IGF Graphite	Lx	leucoxene	mnr	minor
211 Folgio to Intornadioto Valconio	Pot	potassic	mod, m	moderate
3U Felsic to Intermediate Volcanic	Ser	sericitization	Ob, Ovb	overburden
3R Rhyolite 3D Dacite	Serp	serpentinization	pv	pervasive
3D Dacite 3A Andesite	Sil	silicification	rub	rubble
3T Trachyte	Tc	talc	sil	siliceous
31 Trachyte	Tour	tourmaline	st, s	strong
2U Mafic Volcanics			tect	tectonized
2MS Massive	Mineralization	<u>on</u>	tr	trace
2P Pillowed	Asb	asbestose	v	very
2FB Flow Breccia	Asp	arsenopyrite	wk, w	weak
	Clpy	cluster pyrite		
2HY Hyaloclastite 2VAR Variolitic	Сру, Ср	chalcopyrite		
	Cry	crysotile		
2POR Porphyritic 2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
Start tatasuestant undicute	Mt	magnetite		
1U Ultramafic Volcanic	Mo	molybdenite		
	Po	pyrrhotite		
1TC Talc-Chlorite (altered)	Py	pyrite		
1GCB Green-Carbonate (altered) 1K Komatiite	Sw	stockwork		
1BK Basaltic Komatijte	VG	visible gold		
Dix Dasanie Komanne	MZ	mineralized zone		





DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-4

Collar Eastings: -500.00 Collar Northings: 150.00 Collar Elevation: 0.00

(Ob)

Grid: BMG 035 DEG Claim: 1221720

m

5.0

FROM

0

Collar Inclination: -45.00 Grid Bearing: 0.00

Final Depth: 176.00 metres
Log Completed: 15/11/97

Core: NQ/stored at Aunor Minesite, Timmins

5260

5261

5262

5263

Logged by: W Corstorphine
Date: 12/11/97 to 14/11/97
Down-hole Survey: Acid
Contractor: NDS Drilling

0.01

0.01

0.01

			ASSAYS			
SAMPLE No.	FROM	OT	WIDTH	Au g/t	ck g/t	

62.80

72.00

73.00

74.00

5.0 74.8 (2MS 2MS wpv alt-serpphy,1-2% py)
Massive Mafic to Intermediate Volcanic

Overburden-casing

-moderately altered
Massive, medium to fine-grained, medium green.

The groundmass is weakly to moderately altered. 1-2%, 1-3mm wide calcite veinlets randomly crossing the core at <10cm intervals. 1-2% fine-grained pyrite disseminated in the

1-2% fine-grained pyrite disseminated in the groundmass.

LITHOLOGICAL DESCRIPTION

The groundmass texture resembles fine-grained diorite - crystals of feldspar and hornblende easily identified. Pervasive alteration present. Occasional dark blackish-grey seams of random attitude and occurrence - flow structures.

Porphyroblastic texture - distinct spotting of trace to 3%, large, 1-3mm, anhedral to subhedral ferromagnesian mineral thought to be serpentine - fairly soft, almost sectile. Similar to porphyroblasts seen in same rock type in nearby holes. There is an increase in their proportion with depth from <1% above 41.0 to 3% below 41.0.

28.5-34.0: blocky core - calcite veining. Low angle, 1cm calcite vein at 33.1m - occupies .8m of core length. At 31.7 there is another similar calcite veinlet extending 1.0m along the core. No significant sulphides observed.

Intermittent calcite veinlets and occasional quartz-calcite veinlets every 20-50cm. Many are at low core angles of <45 degrees - many are subparallel to the core axis. Mineralization is limited to a few specks of fine pyrite and fine grains of chalcopyrite as at 56.5m

41P11NE2004 2.18783

61.80

71.00

72.00

73.00

KNIGHT

1.00

1.00

1.00

1.00

040

Nagne Justophan

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-4

ASSAYS TO WIDTH Aug/t ckg/t FROM TO LITHOLOGICAL DESCRIPTION SAMPLE No. FROM quartz. 61.9-62.6: 1-2cm fracture, subparallel to the core axis, medium green to white colour. Carries 5-6% coarse pyrite within the vein. 66.2: 5% coarse pyrite in faint volcanic seam 40 degrees to e core axis - no carbonate or quartz material. 71.1-74.8: strong fracture-fault zone. Blocky core - broken up, often at low angle. 74.8-82.95: serpentinized mafic volcanic Lower contact is gradational. 74.8 5264 74.00 75.00 1.00 0.01 0.01 80.7 (AZ mAZ/2MS m-spv Ank-sSerp, serpphy, 3%lx) 75.00 76.00 0.01 0.01 Mafic to Intermediate Volcanic - spotted 5265 1.00 5266 76.00 77.00 1.00 0.01 Protolith is the same as the unit above - can still 5267 77.00 78.00 0.01 recognize pseudomorphed groundmass texture. 1.00 Distinct fine to medium-grained, massively textured 5268 78.00 79.00 1.00 0.03 5269 79.00 80.00 1.00 0.07 groundmass of medium to dark greenish-grey colour - often with beige to light brownish hue. Colour is much paler where pervasive bleaching (ankeritization) occurs - from 74.8 to 76.4. Pervasive, fine carbonate filaments and small veinlets centering pale alteration halos. There is a buffish cast to most of the interval.

76.4-80.0: strongly serpentinized mafic volcanic section - locally it has appearance of an ultramafic. Leucoxene visible at 3% in this particular section. Medium-grained, often irregular, coloured patches of coarse scale - pale brownish-beige areas with dark, phyric-like, 1-2mm grains within them. 3-5% white ankerite veinlets and minor quartz. Only trace amounts of pyrite. The zone is moderately to highly tectonized. Coarse fabric oriented at 75 degrees where distinct. Carbonate-quartz is random but frequently at high core angles of 75 degrees.

HOLE No: K97-4

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-4

				ASSAYS		
LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	OT	WIDIII	Au g/t	ck g/t
80.0-80.7: flow breccia section. Large 2-6cm, irregularly shaped - embayed in quasicuspate fashion, almost crackle-breccia. Tightly supported by black, to grey-black, fine-grained matrix, 5-8% grey-white carbonate as very irregular mm to cm scale patches in the dark matrix - fairly siliceous, minor calcite, possible ankerite. Clasts are fine-grained to aphanitic and massively textured - colour is medium to pale buff-green. Lower contact is indistinct due to the lack of clear contrast. Breccia texture continues until start of the next unit.						
(FZ loc sg,3-8cm bx frag,sSerp-sSer,5%Cv,tr py) Fault Zone - serpentinized volcanic - much gouge Distinctive section due to inhomogeneity and strong tectonized appearance. Numerous intervals up to 10cm of soft gouge debris and sheared rock. 80% of the section is an aphanitic, schistose volcanic of medium beige colour striped by dark serpentine lines < <lbody> lines <<lbody> line wide and separated by only slightly larger volcanic intervals - the overall appearance is that of very coarse spinifex texture - very irregular, contorted orientations to this peculiar, coarse, fabric. Overall appearance suggests tight brecciated or dislocated assemblage of fragments. Dark black- green matrix is very soft and serpentine-like. Protolith may be same as 80.0-80.7 - suggestion of flow-breccia structure. Occasional section of 10-30cm that resembles typical fine to medium textured massive volcanic. 3-5% white carbonate and minor quartz-carbonate veinlets - contorted, irregular to straight, linear across-core types. Most appear to be calcite-bearing. Sulphides are sparse - occasional 5-8% cluster of</lbody></lbody>	5270 5271 5272 5273 5274 5275 5276 5277 5278 5279 5280 5281 5282 5283 5284 5285 5286 5287 5288 5288	80.00 81.00 82.00 83.00 84.00 85.00 87.00 89.00 91.00 92.00 93.00 94.00 95.00 96.00 97.00 98.00 99.00	81.00 82.00 83.00 84.00 85.00 87.00 89.00 91.00 92.00 93.00 94.00 95.00 97.00 98.00 99.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.01
	80.0-80.7: flow breccia section. Large 2-6cm, irregularly shaped - embayed in quasicuspate fashion, almost crackle-breccia. Tightly supported by black, to grey-black, fine-grained matrix, 5-8% grey-white carbonate as very irregular mm to cm scale patches in the dark matrix - fairly siliceous, minor calcite, possible ankerite. Clasts are fine-grained to aphanitic and massively textured - colour is medium to pale buff-green. Lower contact is indistinct due to the lack of clear contrast. Breccia texture continues until start of the next unit. (FZ loc sg,3-8cm bx frag,sSerp-sSer,5%Cv,tr py) Fault Zone - serpentinized volcanic - much gouge Distinctive section due to inhomogeneity and strong tectonized appearance. Numerous intervals up to 10cm of soft gouge debris and sheared rock. 80% of the section is an aphanitic, schistose volcanic of medium beige colour striped by dark serpentine lines (<lr></lr>	80.0-80.7: flow breccia section. 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Numerous intervals up to 5273 10cm of soft gouge debris and sheared rock. 5274 80% of the section is an aphanitic, schistose volcanic 5275 of medium beige colour striped by dark serpentine 5276 lines < <lr> c/lnm wide and separated by only slightly 5277 larger volcanic intervals - the overall appearance is 5278 that of very coarse spinifex texture - very irregular, 5279 contorted orientations to this peculiar, coarse, fabric. 5280 Overall appearance suggests tight brecciated or 5281 dislocated assemblage of fragments. 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Numerous intervals up to 5273 83.00 84.00 1.00 10cm of soft gouge debris and sheared rock. 5274 84.00 85.00 1.00 80% of the section is an aphanitic, schistose volcanic 5275 85.00 86.00 1.00 61 medium beige colour striped by dark serpentine 5276 86.00 87.00 1.00 1lines <1mm wide and separated by only slightly 5277 87.00 89.00 2.00 larger volcanic intervals - the overall appearance is 5278 89.00 90.00 1.00 that of very coarse spinifex texture - very irregular, 5279 90.00 91.00 1.00 contorted orientations to this peculiar, coarse, fabric. 5280 91.00 92.00 1.00 contorted drientations to this peculiar, coarse, fabric. 5280 91.00 92.00 1.00 coreall appearance suggests tight brecciated or 5281 92.00 93.00 1.00 dislocated assemblage of fragments. 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Numerous intervals up to 15275 85.00 86.00 1.00 0.01 Bo% of the section is an aphanitic, schistose volcanic 15276 86.00 87.00 1.00 0.01 Iness <ilm -="" 0.01="" 1.00="" 10-30cm="" 15277="" 1528="" 2.00="" 87.00="" 89.00="" 90.00="" 99.00="" and="" appearance="" brecciated="" by="" coarse,="" controlated="" coverall="" fabric.="" green="" green-breeci<="" green-breecia="" inarger="" intervals="" is="" massive="" matrix="" of="" only="" or="" orientations="" overall="" peculiar,="" resembles="" section="" separated="" serpentine-like.="" slightly="" soft="" structure="" structure.="" suggests="" td="" that="" the="" this="" tight="" to="" typical="" very="" volcanic="" volcanic.="" wide=""></ilm>

HOLE No: K97-4

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-4

Page 4

FROM TO

LITHOLOGICAL DESCRIPTION

ASSAYS
SAMPLE No. FROM TO WIDTH Au q/t ck q/t

Gouge is present intermittently every 2-3m over widths of up to 20cm.

Scricitization and serpentine replacement are the principal alteration effects along with moderate quartz-calcite vein formation.

94.4-94.7: volcanic dyke
Dark blackish green, fine-grained, massive.
Sharp upper and lower contacts at 30 degrees.
Carries 3% disseminated pyrite.
Differs from next dyke, seems more related to the ultramafic.
Nonmagnetic.

97.4-100.0: volcanic dyke
Dark grey aphanitic to fine-grained, massive.
Uniform texture. Contains two sections of the altered
volcanic it intrudes - 10cm at 97.85, and at 98.5598.9m.
Contacts are in broken core but appears to exhibit
sharp, abrupt form.

Lower contact of the main unit is indistinct over the last meter - intermixed, rubble etc. 5cm of gouge at 101.0.

101.0 175.0

(1U 1U/6P? msv,Serp,mag,loc rub)
Ultramafic - Peridotite, serpentinized
Initial 2 meters has spotted texture - pale, subrounded
1-1.5mm grains almost self supporting, matrixed by
50 - 60% dark, blackish, aphanitic groundmass.
Gradationally blends into typical black-green
serpentinized peridotite of medium grain size.
Very magnetic, massive, cut by frequent (3%) white
to green serpentine filled fractures of variable attitude.

113.0-118.0: blocky ground, rubble 136.4-146.2: same 163.0-171.0: same

167.0-167.8: strongly foliated, shear at 75 degrees.

5290 101.00 102.00 1.00 0.01 5291 102.00 103.00 1.00 0.01

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-4

ASSAYS

FROM TO

LITHOLOGICAL DESCRIPTION

SAMPLE No. FROM TO WIDIH Au g/t ck g/t

Gouge over last 20cm. Pervasive fine calcite stringers, no sulphides.

171.55-172.0: diabase Feldsparphyric dyke. 1-2% lime-green feldspar and feldspar aggregates up to 8mm. Very fine-grained groundmass. Sharp contacts at 60 degrees and 80 degrees (U/L). Nonmagnetic to feebly so.

Lower contact is indistinct over $10\,\mathrm{cm}$ - about $40\,\mathrm{degrees}$.

175.0 176.0

(2MS 2MS fphy,unalt)
Porphyritic Mafic Volcanic - possibly intrusive
Medium to dark grey, fine-grained, massive
groundmass of feldspar and surrounding hornblende.
Feldsparphyric - 1-2mm, subhedral, pale whitish-grey
feldspar averaging 1% concentration - scattered in a
random manner.
No alteration effects at the upper contact.

176.0 End of Hole

Casing left, capped
Core boxes: 43, stored at Aunor Minesite, Timmins
Assay samples: 33 (Au)
Township: Knight
NTS: 41P 10/11
UTM: 495363E/5281820N (approx)
Claim: collar on 1221720, eoh on same
Collar Location: 90m W, 250m S of #1 post of

1221720

Location of eoh: 500W/277.84N, elevation

-120.96m

DOWN-HOLE SURVEY DATA

DEPTH INCLINATION BEARING
60.00 -42.50 0.00

HOLE No: K97-4

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

176.00

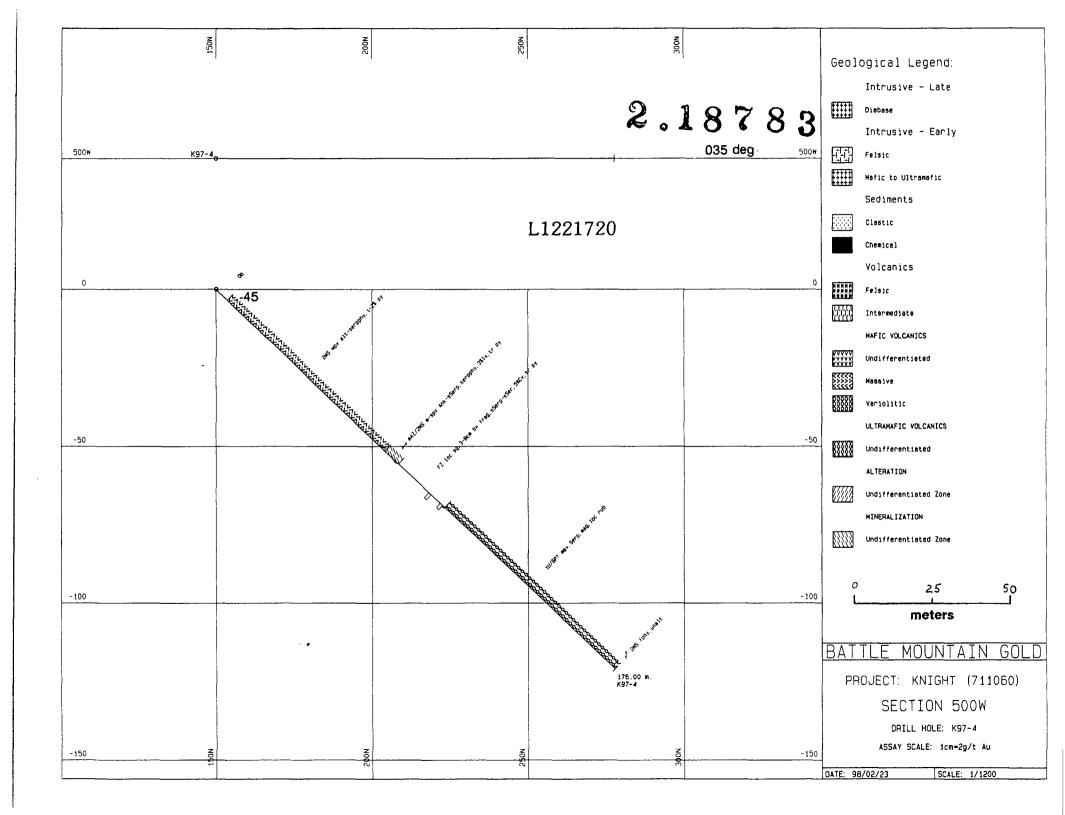
-43.50

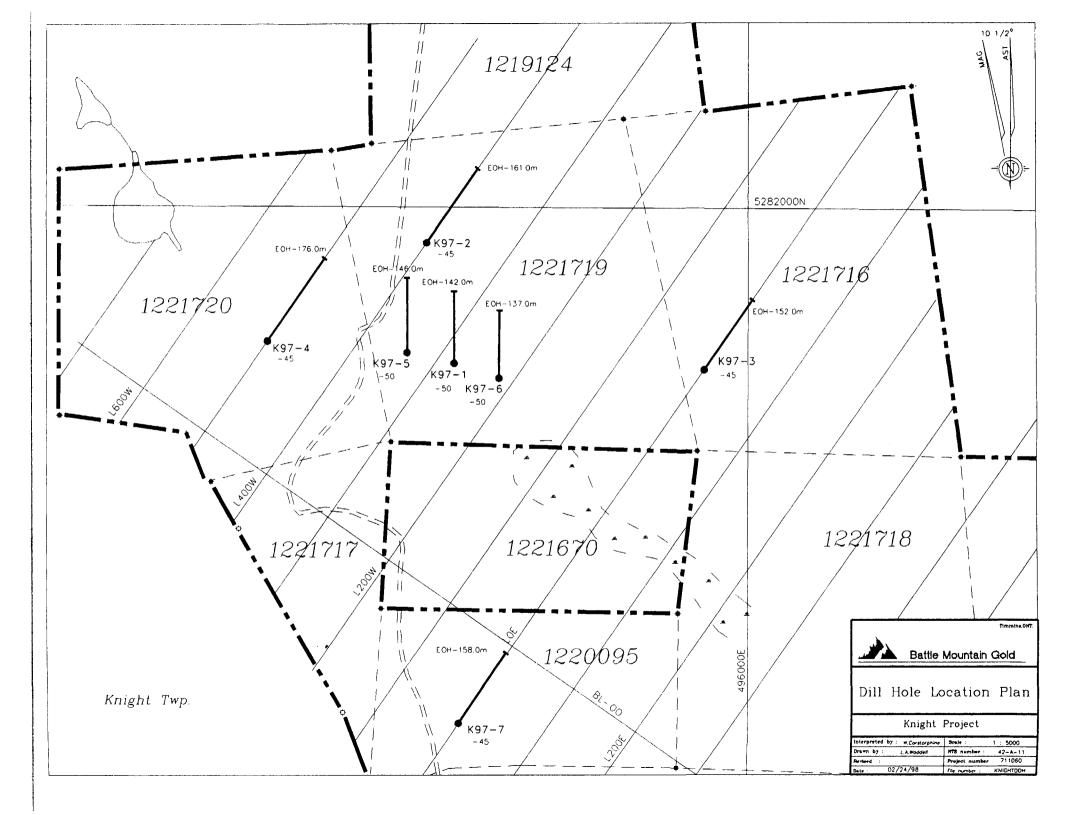
0.00

HOLE No.: K97-4

FROM	OT	LITHOLOGICAL DESCRIPTION		SAMPLE No.	FROM	TO	ASSAYS WIDTH	Au g/t	ck g/t		
		DEPTH	INCLINATION	BEARING							
		120.00	-43.50	0.00							

GEOLOGY LEGEND	ABBREVI	ATIONS		
OTT Dishare (II-mundifferentiated)	Towns		Veining	
8U Diabase (U=undifferentiated)	Texture		Asby	asbestose
	ag, agg	agglomerate	Av	ankerite
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Cv	calcite
7G Granite	FB, fb, fbx	flow breccia foliated	Epv	epidote
7Gd Granodiorite, Quartz Monzonite	fol		Hemv	hematite
7T Tonalite	glom	glomerophyric groundmass	Mtv	magnetite
78 Syenite	gm h	hyaloclastic	Qv	quartz
7M Monzonite	hy htr	heterolithic	Qav	quartz-ankerite
7FP Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7QFP Quartz-Feldspar Porphyry	ms, msv, mas		Qtourv	quartz-tourmaline
7PA Pegmatite	p	pillowed	Tourv	tourmaline
7A Aplite 7F Felsite	pj	polygonal jointing		
/r reisite	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt	quench testure	bd	bedded
	sch	schistose	bnd	banded
6D Diorite, Trondhjemite 6G Gabbro	sfx	spinifex	bx	breccia
6G Gabbro 6A Anorthosite	t	tuff, tuffaceous	bxd	brecciated
6P Peridotite, Pyroxenite	tx	texture	ct	contact
6L Lamprophyre	tbx, t-bx	tuff-breccia	F, f	fault
or ramprophyre	ves	vesicular	FZ, fz	fault zone
5U Clastic Sediments	var	variolitic	flt	faulting
5Ar Argillite	_phy	phyric	fl	flow
5ARGF Graphitic Argillite	'	_ ·	fr	fracture
5GW Greywacke	Alteration		g	gouge
5CG Conglomerate	Ab	albitization	рj	polygonal jointing
5CG Congionierate 5CGT Timiskaming Conglomerate	Ank	ankeritization	s, sh	shear
5SS Sandstone	AZ, az	alteration zone	SZ, sz	shear zone
5ST Ssiltstone	Bi	biotite	slk	slickenside
5Q Quartzite	Blch	bleached		
5A Arkose	Cal	calcitic	Other	
JA AIROSC	Carb	carbonatization	bld	boulder
4U Chemical Sediments	Сь	carbon	ch, cty	cherty
4IF Iron Formation	Chl	chloritization	cg	coarse-grained
4IFS Sulphide Facies	Ep	epidotization	fg	fine-grained
4IFC Silicate Facies	Fu	fuchsite	int	intermittent
4IFO Oxide Facies	Gcb	green carbonate/fuchsite	loc, 1	local, locally
4C Chert	Gos	gosson	mag	magnetic
4IGF Graphite	Hem	hematization	mg	medium-grained
1 Supuns	Lx	leucoxene	mnr	minor
3U Felsic to Intermediate Volcanic	Pot	potassic	mod, m	moderate
3R Rhyolite	Ser	sericitization	Ob, Ovb	overburden
3D Dacite	Serp	serpentinization	pv	pervasive
3A Andesite	Sil	silicification	rub	rubble
3T Trachyte	Tc	talc	sil	siliceous
	Tour	tourmaline	st, s	strong
2U Mafic Volcanics			tect	tectonized
2MS Massive	Mineralizatio		tr	trace
2P Pillowed	Asb	asbestose	v	very weak
2FB Flow Breccia	Asp	arsenopyrite	wk, w	weak
2HY Hyaloclastite	Clpy	cluster pyrite		
2VAR Variolitic	Сру, Ср	chalcopyrite		
2POR Porphyritic	Cry	crysotile		
2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
_	Mt	magnetite		
1U Ultramafic Volcanic	Mo	molybdenite		
1TC Talc-Chlorite (altered)	Po	pyrrhotite		
1GCB Green-Carbonate (altered)	Py	pyrite stockwork		
1K Komatiite	Sw VG	visible gold		
1BK Basaltic Komatiite	MZ	mineralized zone		
	1417	mmeranzeu zone		





DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

Collar Eastings: -338.00 Collar Northings: 240.00 Collar Elevation: 0.00

Grid: BMG 035 DEG Claim: 1221719 Collar Inclination: -50.00

Grid Bearing: 325.00 Final Depth: 146.00 metres

Log Completed: 16/11/97

Core: NQ/stored at Aunor Minesite, Timmins

Logged by: W Corstorphine
Date: 14/11/97 to 15/11/97
Down-hole Survey: Acid
Contractor: NDS Drilling

						ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Aug/t	ck g/t
0	1.0	(Ob)						
		Overburden-casing						
1.0	25.3	(2MS 2MS fl,f-mg,mpv alt-Serp,1% diss py)	5293	1.40	2.40	1.00	0.01	
		Mafic Volcanic - massive, moderately altered	5294	15.90	16.90	1.00	0.01	
		Fine to medium-grained, massive, pale greenish-grey	5295	16.90	18.00	1.10	0.01	
		to grey-green, dioritic groundmass. Spotted by 1-5%	5296	18.00	19.00	1.00	0.01	
		dark green, soft, serpentine pseudomorphs or	529 7	19.00	20.00	1.00	0.01	
		porphyroblasts < 1mm to 2mm in size - evenly	5298	20.00	21.00	1.00	0.05	0.01
		distributed through the groundmass.	5299	21.00	22.00	1.00	0.01	
		Nonmagnetic.	5300	22.00	23.00	1.00	0.01	0.01
		Trace to 1% fine, disseminated pyrite in groundmass.	5301	23.00	24.00	1.00	0.01	
		Slight buff cast to the groundmass - very faint.	5302	24.00	25.30	1.30	0.01	
		Pervasive, 1-2% white fracture filling calcite vein						
		system - very irregular and most are quite fine -						

Low angle fractures are not uncommon. Some with bigger than usual carbonate veins up to 6-7cm as at 1.93m.

1.93: 7cm carbonate vein At 30 degrees. Vein includes 1cm size clasts of blackish, fine-grained ultramafic debris and other rock slivers. 5% fine pyrite disseminated through the vein.

16.4: 6mm veinlet

1-2mm.

At 25 degrees. Carries 10-20% coarse pyrite in the vein material which is not calcite or quartz but mainly the same material as the host volcanic. Suspect it is a small shear plane.

Porphyroblastic volcanic continues to 20.6 after which there is a gradational change into and even textured, coarser grained alteration phase - recrystallized texture? This coarser groundmass has local concentrations of disseminated pyrite up to 3%.

41P11NE2004 2.18783

KNIGHT

050

Nayer Lastari

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

ASSAYS FROM OT LITHOLOGICAL DESCRIPTION SAMPLE No. FROM TO WIDTH Aug/t ckg/t The unit's colour acquires a deeper beige hue. With increased depth a poppyseed texture develops, as at 23.2m. These small, subangular, dark green (serpentine) grains make up 50% of the groundmass and are surrounded by paler green groundmass material. 23.25 25.3 (2U 2U/dyke zone, msv, vfq) 23.25-23.67: volcanic dyke Dark grey-green, very fine-grained. Fine white calcite grains fleck the marginal areas of the dyke. Contacts are sharp at 55 and 75 degrees (U/L). 24.06-24.28: volcanic dvke Sharp contacts at 55 and 75 degrees (U/L). Similar to 23.25. A coarse, faint variolitic texture is discernible. 24.9-25.3: volcanic dyke Similar to 23.25 and 24.06. Much darker than the host volcanic - dark grey-green. Subtle coarse texture to groundmass. Sharp contacts at 75-85 degrees. The section is blocky. Intervening volcanic to the above dykes is the poppyseed-like, altered intermediate to mafic volcanic. Lower contact is abrupt as it corresponds to the lower contact of the last volcanic dyke. 25.3 42.9 (AZ mAZ/2MS w-mAnk-wSer?,5-8%Av-Qav) 5303 25.30 26.00 0.70 0.01 Alteration Zone - mafic volcanic 5304 26.00 27.00 1.00 0.08 5305 27.00 28.00 0.01 1.00 Medium grey to buffish grey and greenish buff-grey. 5306 28.00 29.00 1.00 0.01 Some darker areas with faint brownish cast.

> 5-8% irregularly spaced and oriented ankerite and quartz-ankerite veinlets from <1mm to 5cm in width.

> Veinlet concentration is relatively tightly spaced,

5307

5308

5309

29.00

30.00

31.00

30.00

31.00

32.00

1.00

1.00

1.00

0.01

0.01

0.01

HOLE No: K97-5

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

ASSAYS
FROM TO LITHOLOGICAL DESCRIPTION SAMPLE No. FROM TO WID!H Au g/t ck g/t

OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	OT	WIDIH	Au g/t	ck g/t
	tending to permeate the section, but because of their	5310	32.00	33.00	1.00	0.32	0.36
	fine dimensions only constitute <10% of the interval.	5311	33.00	34.00	1.00	0.01	
	•	5312	34.00	35.00	1.00	0.22	
	The protolith appears to be the dioritic volcanic as	5313	35.00	36.00	1.00	0.01	
	relict textures are still discernible. As carbonate	5314	36.00	37.00	1.00	0.11	
	replacement in the groundmass is increased the relict	5315	37.00	38.00	1.00	0.01	
	textures vanish and coarser grained, crude foliated	5316	38.00	39.00	1.00	0.11	
	fabric develops. There is also evidence of	5317	39.00	40.00	1.00	0.01	
	fragmentation or brecciation in some places as at	5318	40.00	41.00	1.00	0.01	
	32.3.	5319	41.00	42.00	1.00	0.01	
		5320	42.00	42.90	0.90	0.01	

Fine-grained pyrite is present but is sparse overall. Speck of chalcopyrite also seen. Estimate trace to 2% pyrite locally over various widths. Slight increase in concentration near some veinlets.

There is an overall sameness to the altered and the veined sections - strongest replacement is from about 29.0 to 36.2 meters.

- 29.0 34.4 (AZ sAZ/2MS sAnk,tr-1% py) Stronger section of ankerite alteration with up to 1% disseminated pyrite.
- 34.4 36.2 (AZ sAZ/2MS sAnk,15%Aqv) 10-15% heavy white ankerite and quartz-ankerite veining. Very irregular contorted appearance between 45 and 90 degrees to the core axis.
- 36.2 42.9 (AZ mAZ/2MS w-mAnk,lx loc)
 Less altered massive volcanic. Medium textured
 protolith recognizable. Local breccia fragments of
 the medium-grained volcanic matrixed by lighter
 grey, siliceous ankerite material e.g. 38.7-39.3.
 Local evidence of fine leucoxene.

Within 1.0 meters of the ultramafic there is a coarsening of the volcanic groundmass and an increase in the degree of alteration. Leucoxene is prominent closer to the ultramafic and is in evidence throughout the section in many places.

HOLE No: K97-5

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

Page 4

·				ASSAYS		
LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Au g/t	ck g/t
					•	•
Lower contact is sharply defined at 25 degrees.						
(10 10 msh,w-mank-Av,nil-tr py) Ultramafic - moderately sheared, ankerite veined Strong shear fabric from 42.9 to 45.9 at 60-80 degrees. 10-15% fine carbonate stringers and local pervasive flooding by replacement carbonate. Weak to moderate sericitization giving weak yellow- brown hue to the rock (minor amounts overall). At 45.8 there is 3cm of black graphitic material in two small bands. Occasional patch up to 15cm of medium-grained massive volcanic assumed to be a fragment as at 45.5. Pyrite is sparse - nil to trace amounts. The ultramafic after 45.8 is dark blackish green, distinctly medium-grained and massive. It is magnetic, soft, and cut by 5% ankerite stringers. There is nil to trace pyrite. Lower contact is sheared, altered and a little more heavily veined with ankerite at 80 degrees.	5321 5322 5323 5324 5325	42.90 44.00 45.00 46.00 47.00	44.00 45.00 46.00 47.00 48.00	1.10 1.00 1.00 1.00	0.01 0.05 0.01 0.01 0.09	
(2MS 2MS fl,mg,loc slx,wSerp,1-2%Av-Aqv) Mafic to Intermediate Volcanic - moderately altered Medium greenish grey, massive, medium-grained - diorite-like texture. Locally heavy leucoxene (3%). Initial 4.0m has only weakly altered groundmass. At 52.8 the groundmass darkens as a shear zone at 56.1 is approached. Slight serpentinization develops into stronger replacement and in places a poppyseed texture is approached as at 55.5. Modest ankerite and quartz-ankerite veinlet formation of 1-2%, a heavier concentration occurs at 50.4 over .4m. Vein orientations are variable, several are at low core angles as at 50.5, 51.7, and 53.9. These are very small veins.	5326 5327 5328 5329 5330 5331 5332 5333	48.00 49.00 50.00 51.00 52.00 53.00 54.00 55.00	49.00 50.00 51.00 52.00 53.00 54.00 55.00 56.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.01 0.01 0.05 0.07 0.14 0.01 0.08	0.01
	Lower contact is sharply defined at 25 degrees. (10 10 msh,w-mAnk-Av,nil-tr py) Ultramafic - moderately sheared, ankerite veined Strong shear fabric from 42.9 to 45.9 at 60-80 degrees. 10-15% fine carbonate stringers and local pervasive flooding by replacement carbonate. Weak to moderate sericitization giving weak yellow- brown hue to the rock (minor amounts overall). At 45.8 there is 3cm of black graphitic material in two small bands. Occasional patch up to 15cm of medium-grained massive volcanic assumed to be a fragment as at 45.5. Pyrite is sparse - nil to trace amounts. The ultramafic after 45.8 is dark blackish green, distinctly medium-grained and massive. It is magnetic, soft, and cut by 5% ankerite stringers. There is nil to trace pyrite. Lower contact is sheared, altered and a little more heavily veined with ankerite at 80 degrees. (2MS 2MS fl,mg,loc slx,wSerp,1-2%Av-Aqv) Mafic to Intermediate Volcanic - moderately altered Medium greenish grey, massive, medium-grained - diorite-like texture. Locally heavy leucoxene (3%). Initial 4.0m has only weakly altered groundmass. At 52.8 the groundmass darkens as a shear zone at 56.1 is approached. Slight serpentinization develops into stronger replacement and in places a poppyseed texture is approached as at 55.5. Modest ankerite and quartz-ankerite veinlet formation of 1-2%, a heavier concentration occurs at 50.4 over -4m. Vein orientations are variable, several are at low core angles as at 50.5, 51.7, and 53.9. These are	Lower contact is sharply defined at 25 degrees. (10 10 msh,w-mAnk-Av,nil-tr py) (11 tramafic - moderately sheared, ankerite veined 5322 Strong shear fabric from 42.9 to 45.9 at 60-80 5323 degrees. 10-15% fine carbonate stringers and local 5324 pervasive flooding by replacement carbonate. 5325 Weak to moderate sericitization giving weak yellow-brown hue to the rock (minor amounts overall). At 45.8 there is 3cm of black graphitic material in two small bands. Occasional patch up to 15cm of medium-grained massive volcanic assumed to be a fragment as at 45.5. Pyrite is sparse - nil to trace amounts. The ultramafic after 45.8 is dark blackish green, distinctly medium-grained and massive. It is magnetic, soft, and cut by 5% ankerite stringers. There is nil to trace pyrite. Lower contact is sheared, altered and a little more heavily veined with ankerite at 80 degrees. (2MS 2MS fl,mg,loc slx,wSerp,l-2%Av-Aqv) 5326 Medium greenish grey, massive, medium-grained - 5328 diorite-like texture. Locally heavy leucoxene (3%). 5329 Initial 4.0m has only weakly altered groundmass. 5330 At 52.8 the groundmass darkens as a shear zone at 5331 56.1 is approached. Slight serpentinization develops 5332 into stronger replacement and in places a poppyseed 5333 texture is approached as at 55.5. Modest ankerite and quartz-ankerite veinlet formation of 1-2%, a heavier concentration occurs at 50.4 over .4m. Vein orientations are variable, several are at low core angles as at 50.5, 51.7, and 53.9. These are	Lower contact is sharply defined at 25 degrees. (10 10 msh,w-mank-av,nil-tr py) 5321 42.90 Ultramafic - moderately sheared, ankerite veined 5322 44.00 Strong shear fabric from 42.9 to 45.9 at 60-80 5323 45.00 degrees. 10-15% fine carbonate stringers and local 5324 46.00 pervasive flooding by replacement carbonate. 5325 47.00 Weak to moderate sericitization giving weak yellow- brown hue to the rock (minor amounts overall). At 45.8 there is 3cm of black graphitic material in two small bands. Cocasional patch up to 15cm of medium-grained massive volcanic assumed to be a fragment as at 45.5. Pyrite is sparse - nil to trace amounts. The ultramafic after 45.8 is dark blackish green, distinctly medium-grained and massive. It is magnetic, soft, and cut by 5% ankerite stringers. There is nil to trace pyrite. Lower contact is sheared, altered and a little more hoavily veined with ankerite at 80 degrees. (2MS 2MS fl,mg,loc slx,wSerp,l-2%Av-Aqv) Medium greenish grey, massive, medium-grained - 5327 49.00 Medium greenish grey, massive, medium-grained - 5328 50.00 At 52.8 the groundmass darkens as a shear zone at 5331 53.00 At 52.8 the groundmass darkens as a shear zone at 5331 53.00 At 52.8 the groundmass darkens as a shear zone at 5331 53.00 56.1 is approached. Slight serpentinization develops 5332 54.00 into stronger replacement and in places a poppyseed 5333 55.00 texture is approached as at 55.5. Modest ankerite and quartz-ankerite veinlet formation of 1-2%, a heavier concentration occurs at 50.4 over .4m. Vein orientations are variable, several are at low core angles as at 50.5, 51.7, and 53.9. These are	LITHOLOGICAL DESCRIPTION Lower contact is sharply defined at 25 degrees. (1U 1U msh,w-mank-av,nii-tr py) 11U msh,w-mank-av,nii-tr py) 12U msh,w-mank-av,nii-tr py) 1311 42.90 44.00 1322 44.00 45.00 1323 45.00 46.00 1323 45.00 46.00 1323 45.00 46.00 1323 45.00 46.00 1323 45.00 46.00 1324 46.00 47.00 1324 46.00 47.00 1325 47.00 48.00 1326 48.00 48.00 1326 48.00 48.00 1327 49.00 48.00 1328 49.00 48.00 1328 49.00 48.00 1329 49.00 48.00 1329 49.00 1320 49.00 1320 49.00 1320 49.00 1321 42.90 44.00 1322 44.00 45.00 1322 45.00 46.00 1322 46.00 47.00 1324 46.00 47.00 1325 47.00 48.00 1326 48.00 48.00 1327 49.00 1328 49.00 1329 49.00 1329 49.00 1320 49.00 1320 48.00 49.00 1320 48.00 49.00 1320 48.00 49.00 1320 48.00 49.00 1321 42.90 44.00 1322 49.00 50.00 1322 49.00 50.00 1323 49.00 50.00 1324 49.00 49.00 1325 49.00 50.00 1326 48.00 49.00 1326 48.00 49.00 1327 49.00 50.00 1328 50.00 51.00 1329 51.00 52.00 1320 51.00 52.00 1331 53.00 54.00 1331 53.00 54.00 1331 53.00 54.00 1331 53.00 55.00 1331 53.00 55.00 1331 53.00 55.00 1331 53.00 55.00 1345 452.8 the groundmass darkens as a shear zone at 5331 53.00 55.00 1331 53.00 55.00 1331 53.00 55.00 1331 53.00 55.00 1340 54.00 55.00 1340 54.00 55.00 1351 13 approached. Slight serpentinization develops 5332 54.00 55.00 1352 54.00 55.00 1353 55.00 56.00 1353 55.00 56.00 1353 55.00 56.00 1354 52.8 there is approached as at 55.5. 1355 54.00 55.00 1356 54.00 55.00 1357 54.00 55.00 1357 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1358 54.00 55.00 1359 54.00 55.00 1350 54.00 55.00 1350 54.00 55.00 1350 55.00 1	Lower contact is sharply defined at 25 degrees.	LIMPLICATION LOWER PROM PROM PROM PROM PROM PROM PROM PRO

Lower contact is within shear zone but is relatively

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOTE	NT -	к97-5
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						ASSAYS			
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	OT	WIDTH	Au g/t	ck g/t	
		well defined over short gradation.							
5.1	58.6	(AZ mAz/2MS mSZ w-mSer-wAnk,1-2%Av,tr py)	5334	56.00	57.00	1.00	0.09		
		Shear Zone - moderate intensity, alteration zone	5335	57.00	58.00	1.00	$\substack{0.01\\0.16}$		
		colour similar to unit above the shearing - same	5336	58.00	58.60	0.60	0.10		
		<pre>protolith. Medium greenish grey colour, slight brownish cast locally.</pre>							
		Strong shear fabric averaging 60 degrees.							
		Protolith texture tends to be homogenized in strong							
		stress areas. Some preserved areas - leucoxene							
		evident.							
		58.4: short section of 10cm displaying the quasi							
		spinifex seen in hole K97-4.							
		Ankerite and quartz-ankerite vein development is							
		weak - 1-2%. Sulphides are sparse to nil.							
		Lower contact is sharp at 90 degrees.							
3.6	61.1	(2U 2U/dyke vfg,msv,1-2%vfg py)	5337	58.60	59.60	1.00	1.04		
		Mafic Volcanic Dyke	5338	59,60	61.10	1.50	0.11		
		Aphanitic to fine-grained, suggestion of being weakly							
		porphyritic with 1-2mm pale feldspar in places.							
		Medium greenish grey colour. Massive. There is some inhomogeneity in the overall texture.							
		Carries 1-2% very fine pyrite.							
		58.9-59.25: 5-8% irregular patches of white quartz -							
		cloudy type, 3-5% fine pyrite associated with some							
		veinlets.							
		Lower contact is sharp at 90 degrees.							
.1	64.5	(AZ mAZ/2MS mSZ,w-mSer-mAnk-mSerp,2%Av)	5339	61.10	62.10	1.00	0.15		
		Shear Zone - moderate intensity, alteration zone	5340	62.10	63.00	0.90	0.82		
		Continuation of 56.1-58.6 shear-alteration zone.	5341	63.00	64.00	1.00	1.00		
		Greenish grey, foliated to schistose material and							

HOLE No: K97-5

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

					7	ASSAYS		
FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	OT	WIDTH	Au g/t	ck g/t
		massively textured, moderately altered volcanic. Alteration is a mix of sericitization and serpentinization with moderate, pervasive replacement, and veinlet ankerite and minor quartz - the veining is weak as it was in the 56.1-58.6 interval.						
		63.0: site of a contact or line of alteration below which the rock is intensely altered to a lighter grey colour - silicified. Quartz vein runs subparallel for short distance. Minor pyrite is present.						
		61.6-61.8: volcanic dyke, similar to 58.6						
		62.1-62.4: volcanic dyke Similar to 58.6. Sharp contacts, upper at 50 degrees.						
		63.3-63.5: ultramafic dyke						
		Moderate shear and tectonization continues to 64.5 where a 25cm gouge is located.						
64.5	69.65	(2MS 2MS/1U? msv,mg,Serp,10%Serp-Ank seams) Serpentinized Mafic Volcanic Possibly ultramafic protolith rather than intensely serpentinized mafic volcanic. Tightly structured, medium-grained, massively textured, greenish grey rock, matrixed by 10% dark, serpentine and ankerite- veined selvages. No significant sulphides noted.	5342 5343 5344 5345 5346	64.00 65.00 66.00 67.00 68.00	65.00 66.00 67.00 68.00 69.00	1.00 1.00 1.00 1.00 1.00	0.33 0.01 0.01 0.01 0.07	0.01
		Lower contact is indistinct - marked by disappearance of the medium-grained texture.						
69.65	112.0	(1U 1U/6P? msv,mg,mag,Serp) Ultramafic - peridotite? Black-green, massive, laced by whitish to greenish serpentine fractures 5%. Magnetic. Last meter is pale green serpentine with much gouge and rubble.	5347	69.00	70.00	1.00	0.01	

HOLE No: K97-5

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

Page 7

ASSAYS

FROM

LITHOLOGICAL DESCRIPTION

SAMPLE No. FROM TO WIDIH Au q/t ck g/t

Lower contact discernible - sharp at 50 degrees. Red hematite scattered on some fractures near and at the contact.

112.0 122.4 (7U 7FP msv,f-mq,3-5%fphen)

Feldspar Porphyry

Fine to medium-grained groundmass of medium grey to faintly reddish grey colour. 3-5% white, anhedral to subhedral feldspar phenocrysts up to 2mm in size, average is 1-1.5mm. Occasional dark patch - possible fragments.

Nonpyritic - no sulphides present in the groundmass. No veining of any type. No alteration

Lower contact is distinct at 15-20 degrees.

122.4 123.1 (2U 2U/dyke fg,msv)

Mafic Volcanic Dyke

Dark green-grey, fine-grained, massive. Pervasive tectonization - many fracture lines. Similar to other volcanic dykes in the hole. Unmineralized, no veining or alteration.

Lower contact is about 60 degrees, in rubbly core.

123.1 146.0 (10 10 msv,mq,maq,Serp)

Ultramafic - serpentinized

Massive, dark blackish green, medium-grained. Serpentine-lined fractures throughout, local rubble and broken core. Uniform, homogeneous section. No alteration or mineralization. Magnetic throughout.

146.0 End of Hole

Casing left, capped Core boxes: 36, stored at Aunor Minesite, Timmins Assay samples: 55 (Au) Township: Knight NTS: 41P 10/11

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-5

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

UTM: 495550E/5281800N (approx)

Claim: collar on 1221719, eoh on same

Collar Location: 114m N, 17m E of #3 post of

1221719

Location of eoh: 394.48W/320.66N, elevation

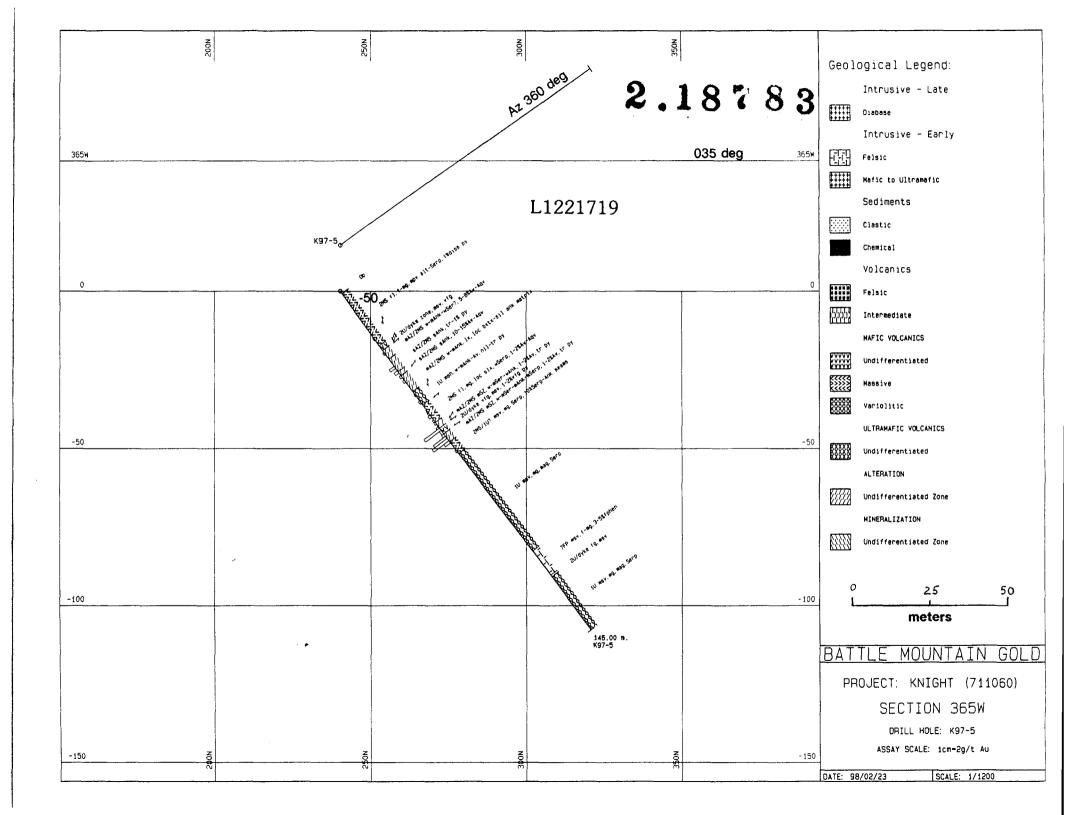
-107.79m

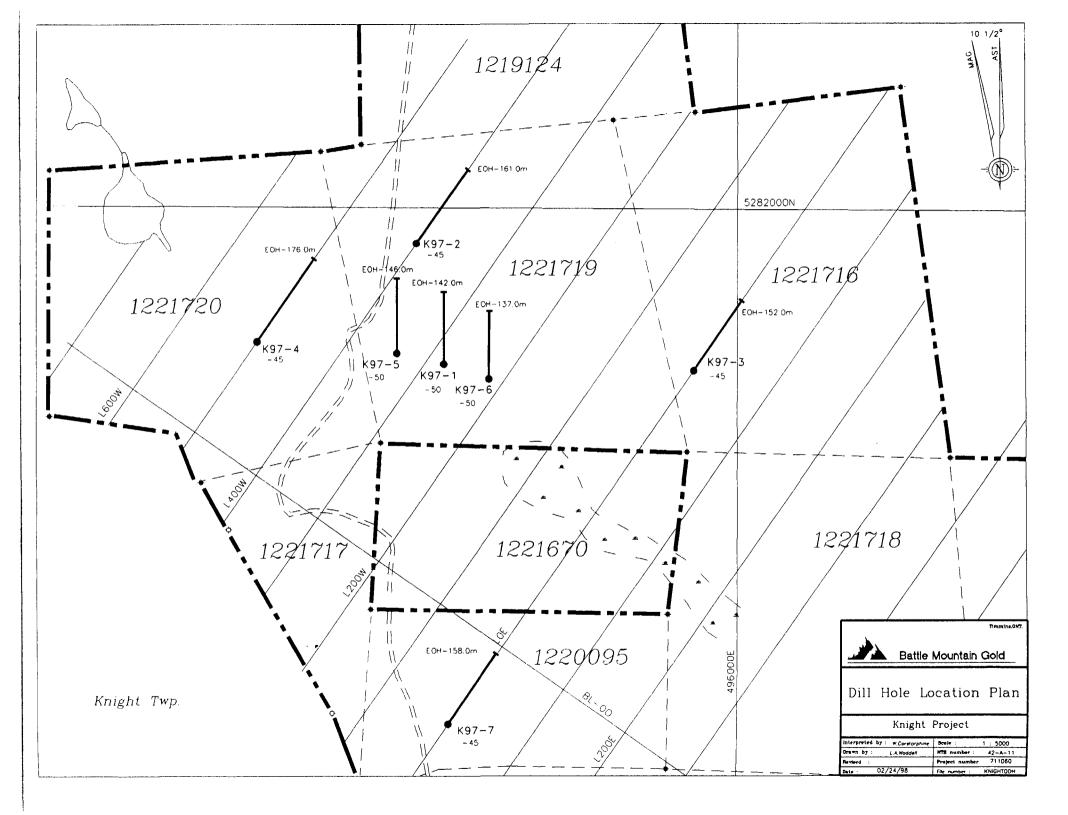
DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
60.00	-46.00	325.00
120.00	-48.00	325.00
146.00	-48.00	325.00

HOLE No: K97-5

GEOLOGY LEGEND	ABBREVI	ATIONS		
8U Diabase (U=undifferentiated)	<u>Texture</u>		Veining	
	ag, agg	agglomerate	Asbv	asbestose
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Av	ankerite
7G Granite	FB, fb, fbx	flow breccia	Cv	calcite
7Gd Granodiorite, Quartz Monzonite	fol	foliated	Epv	epidote
7T Tonalite	glom	glomerophyric	Hemv	hematite
7S Syenite	gm	groundmass	Mtv	magnetite
7M Monzonite	hy	hyaloclastic	Qv	quartz
7FP Feldspar Porphyry	htr	heterolithic	Qav	quartz-ankerite
7QFPQuartz-Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7PA Pegmatite	ms, msv, mas		Qtourv	quartz-tourmaline
7A Aplite	p	pillowed	Tourv	tourmaline
7F Felsite	pj	polygonal jointing		
72 20000	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt	quench testure	bd	bedded
6D Diorite, Trondhjemite	sch	schistose	bnd	banded
6G Gabbro	sfx	spinifex	bx	breccia
6A Anorthosite	t	tuff, tuffaceous	bxd	brecciated
6P Peridotite, Pyroxenite	tx	texture	ct	contact
• •	tbx, t-bx	tuff-breccia	F, f	fault
6L Lamprophyre	ves	vesicular	FZ, fz	fault zone
FTT 01 - 1 0 11	var	variolitic	flt	faulting
5U Clastic Sediments	_phy	_phyric	fl	flow
5Ar Argillite	_bity	_pnyric	fr	fracture
5ARGF Graphitic Argillite	Alteration			gouge
5GW Greywacke	Alteration	. It. fate at	g ni	polygonal jointing
5CG Conglomerate	Ab	albitization	pj s, sh	shear
5CGT Timiskaming Conglomerate	Ank	ankeritization	SZ, sz	shear zone
5SS Sandstone	AZ, az	alteration zone	SZ, SZ slk	slickenside
5ST Ssiltstone	Bi	biotite	SIK	Stickenside
5Q Quartzite	Blch	bleached	Oalson	
5A Arkose	Cal	calcitic	<u>Other</u>	1 . 1.5.
1	Carb	carbonatization	bld	boulder
4U Chemical Sediments	Cb	carbon	ch, cty	cherty
4IF Iron Formation	Chl	chloritization	cg	coarse-grained
4IFS Sulphide Facies	Ep Fu	epidotization fuchsite	fg	fine-grained
4IFC Silicate Facies	Gcb		int	intermittent
4IFO Oxide Facies	li .	green carbonate/fuchsite	loc, I	local, locally
4C Chert	Gos	gosson	mag	magnetic
4IGF Graphite	Hem	hematization	mg	medium-grained
	Lx	leucoxene	mnr	minor
3U Felsic to Intermediate Volcanic	Pot	potassic	mod, m	moderate
3R Rhyolite	Ser	sericitization	Ob, Ovb	overburden
3D Dacite	Serp	serpentinization	pv	pervasive
3A Andesite	Sil	silicification	rub	rubble
3T Trachyte	Tc	talc	sil	siliceous
·	Tour	tourmaline	st, s	strong
2U Mafic Volcanics			tect	tectonized
2MS Massive	Mineralizatio		tr	trace
2P Pillowed	Asb	asbestose	v	very
2FB Flow Breccia	Asp	arsenopyrite	wk, w	weak
2HY Hyaloclastite	Clpy	cluster pyrite		
2VAR Variolitic	Cpy, Cp	chalcopyrite		
2POR Porphyritic	Cry	crysotile		
2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
21411 Magnesiani Inolene	Mt	magnetite		
1U Ultramafic Volcanic	Mo	molybdenite		
	Po	pyrrhotite		
ITC Talc-Chlorite (altered)	Py	pyrite		
1GCB Green-Carbonate (altered)	Sw	stockwork		
1K Komatiite	VG	visible gold		
1BK Basaltic Komatiite	MZ	mineralized zone		
	1			





DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-6

Collar Eastings: -218.00Collar Northings: 283.00 Collar Elevation: 0.00

Grid: BMG 035 DEG Claim: 1221719

Collar Inclination: -50.00

Grid Bearing: 325.00

Final Depth: 137.00 metres

Log Completed: 18/11/97

Core: NO/stored at Aunor Minesite, Timmins

Logged by: S McCann/W Corstorphine

Date: 16/11/97 to 17/11/97 Down-hole Survey: Acid Contractor: NDS Drilling

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

2.0 Overburden-casing

2.0 12.8 (2MS 2MS fl.fg.mpv Serp)

Mafic to Intermediate Volcanic - altered Fine-grained, massive, evenly textured groundmass of medium green to grey-green colour. Heavily spotted by darker green porphyroblasts of soft, serpentinelike character - estimate 5-8% with an average size of

Homogeneous unit but with slight colour change toward lower contact - darkens, increased serpentinization, softer.

No significant veining or mineralization. Alteration restricted to serpentinization by nearby

ultramafic. No primary sulphides in the groundmass.

Lower contact is indistinct due to the lack of contrast but appears to be at 50 degrees.

12.8 23.6 $(1U \ 1U/6P? \ mq, msv, maq)$

Ultramafic - peridotite?

Dark blackish green, medium-grained, massively textured groundmass. Spotted texture - pale, 1-2mm, rounded grains, almost self supporting, matrixed by dark green groundmass. This texture continues throughout the section.

18.0-23.3: 5-7% coarse ankerite veining Irregular forms, average width 1-2cm, some local clustering of the veins. No associated sulphides.

Serpentine lined fractures common at 3%.

Lower contact is indistinct.

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DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-6

Page 2 _____ ASSAYS FROM OT LITHOLOGICAL DESCRIPTION SAMPLE No. FROM TO WIDIH Aug/t ckg/t 23.6 27.1 (8U 8U falom.mag) Diabase - feldsparphyric Porphyritic unit. Fine-grained, massive, 3-4% coarse lime to pinkish lime-green, anhedral, feldspar phenocrysts. Glomeroporphyritic texture. Strongly magnetic. Lower contact exhibits a chill margin of 10cm aphanitic, nonmagnetic, 80 degrees to core axis. 27.1 5348 27.10 28.60 1.50 0.05 66.5 (AZ sAZ/2MS m-sAnk,mq,15%Av-Aqv,tr-1% pv) 28.60 Alteration Zone - mafic volcanic 5349 30.10 1.50 0.01 5350 30.10 31.60 0.19 0.12 Pale to olive green-grey colour. Medium-grained. 1.50 5351 31.60 33.10 1.50 1-15% secondary quartz-ankerite stringers and 0.01 5352 fracture fillings up to 1cm wide. 33.10 34.60 1.50 0.01 0.01 Locally mottled - grainy texture with pale grey to buff 5353 34.60 35.60 1.00 0.01 coloured intervals. Moderate to strong, pervasive 5354 35.60 36.60 1.00 0.01 ankerite alteration. Siliceous with local soft intervals -5355 36.60 38.00 1.40 0.01 5356 38.30 0.30 possibly ultramafic. 38.00 0.01 Trace to 1% disseminated pyrite. 5357 38.30 39.00 0.70 0.01 5358 39.00 39.30 0.30 0.99 5359 39.30 40.70 1.40 0.01 30.4-30.8: mafic volcanic dyke 40.70 41.70 Dark grey, medium-grained, and uniform, sharp 5360 1.00 0.12 contacts. 10% rounded quartz blebs. 41.70 42.30 5361 0.60 0.41 5362 42.30 43.30 1.00 0.19 Nonmagnetic. Lower contact at 70 degrees. 5363 43.30 44.30 1.00 0.04 5364 44.30 45.30 1.00 0.01 0.01 5365 45.30 46.90 1.60 0.01 38.0-38.3: mafic volcanic dyke 46.90 47.50 As above. 5366 0.60 0.06 47.50 48.50 5367 1.00 0.01 41.7-42.3: quartz vein 5368 48.50 50.00 1.50 0.01 5369 Milky white , bullish-looking vein, chloritic slips and 50.00 51.50 1.50 0.01 fractures host halos of fine, disseminated pyrite up to 5370 51.50 53.00 1.50 0.05 3%, Overall 1% pyrite. Sharp lower contact at 70 5371 53.00 54.50 1.50 0.01 degrees. 5372 54.50 56.00 1.50 0.01 5373 56.00 57.50 1.50 0.01 46.9-47.5: mafic volcanic dyke 5374 57.50 59.00 1.50 0.01 Black to dark grey, fine-grained, nonmagnetic. 5375 59.00 60.50 1.50 0.18 5376 62.40 63.90 1.50 0.01 0.04 Minor mm size quartz stringers. 5377 63.90 65.00 1.10 0.06

47.5-52.8: Interval has a mottled texture, rock is fairly

5378

65.00

66.50

1.50

0.01

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-6

ASSAYS

SAMPLE No.

FROM

FROM TO LITHOLOGICAL DESCRIPTION soft and may be an altered ultramafic. 10% quartzankerite stringers <2cm in width usually have dark alteration haloes associated with their contacts. 60.4-5-62.4: mafic volcanic dyke As descried above, includes 40cm of altered mafic volcanic between 61.4 and 62.4. Sharp lower contact at 70 degrees. 66.5 90.1 (1U 1U/6P? f-mg, serp fr, mag) Ultramafic - peridotite? Pale grey to dark green/black, fine to mediumgrained, locally soft and soapy to the touch. Local blocky intervals with rubbly core and occasional seams. 10% quartz-ankerite stringers and fracture fillings, moderate pervasive ankerite alteration. Trace pyrite. 66.5-67.8: blocky interval includes 80cm of lost core due to seam, local weak shearing. 67.8-73.6: grey colour, not as soft as dark green intervals. Represents well altered/recrystalized phase of the ultramafic, gradational contacts, locally strongly magnetic. 76.4-81.0: as above 89.8-90.1: blocky interval, soapy, talcose rubble. 90.1 98.7 (2U 2U/dyke fg,msv,lx,nonmag) Volcanic Dyke Fine-grained, dark green to black, massive and uniform. Pervasive mm scale cream coloured leucoxene grains throughout, nonmagnetic, nil to trace pyrite.

5379 66.50 68.00 1.50 0.06 5380 68.00 69.50 1.50 0.06

TO

WIDIH Aug/t ckg/t

Upper 2m is rubbly - broken core, 1.5m lost core is seams.

Sharp lower contact at 50 degrees.

HOLE No: K97-6

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-6

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

137.0 98.7 (1U 1U/6P? fg, serp fr, mag)

Ultramafic - peridotite?

Fine-grained, black to dark green, weak ankerite alteration associated with quartz-ankerite stringers. 3-5% quartz-ankerite stringer and fractures generally <2cm trending at 70-80 degrees. Stringers have a</pre> greenish hue due to serpentinized contacts. Local blocky-rubble intervals. Massive. Moderately to strongly magnetic.

137.0 End of Hole

Casing left, capped Core boxes: ___, stored at Aunor Minesite, Timmins Assav samples: 33 (Au) Township: Knight

NTS: 41P 10/11

UTM: 495670E/5281769N (approx)

Claim: collar on 1221719, eoh on same

Collar Location: 80m N, 140m E of #3 post of

1221719

Location of eoh: 270.3W/357.7N, elevation

-102.23m

DOWN-HOLE SURVEY DATA

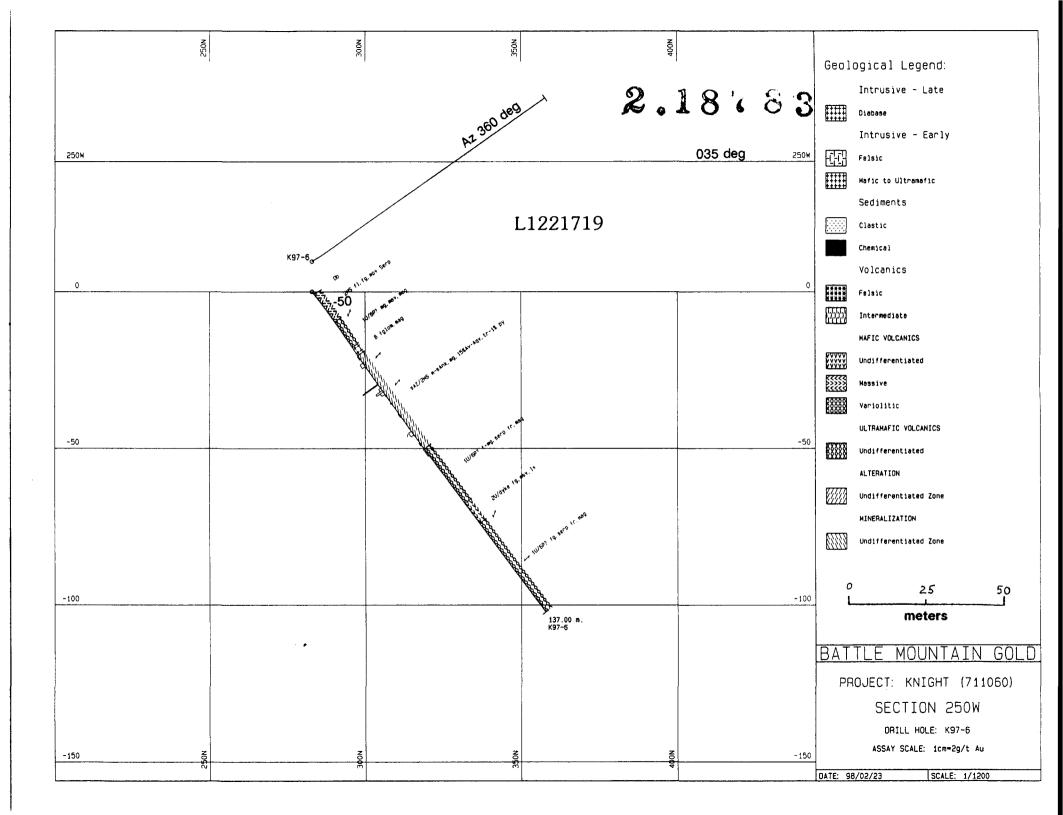
DEPIH	INCLINATION	BEARING
60.00	-48.00	325.00
120.00	-47.50	325.00
137.00	-47.50	325.00

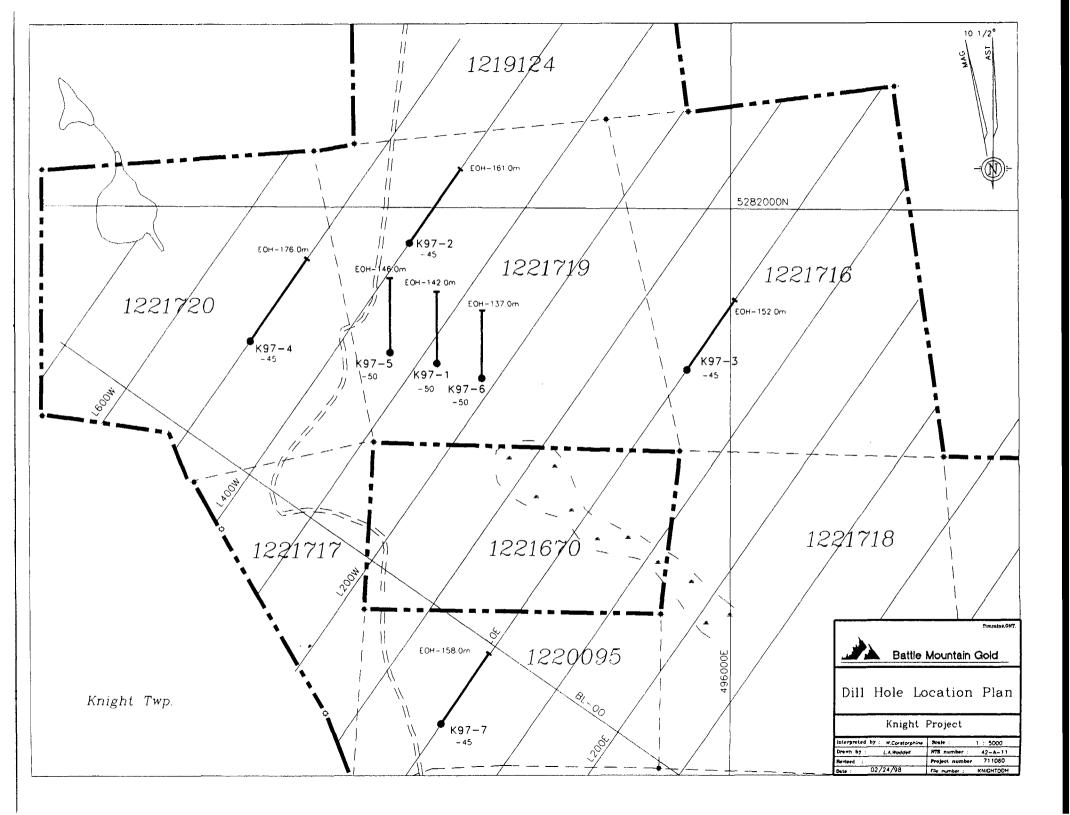
HOLE No: K97-6

Page

FROM TO

8U Diabase (U=undifferentiated) 7U Felsic to Intermediate Intrusive 7G G Grante 7G G Grante 7G G Grante 7G G Grante 7T Tonalite 7T Tonalite 7T Tonalite 7T Tonalite 7T Tonalite 7T Monzonite 7T Tonalite 7T Feldspar Porphyry 7D POP Quartz-Feldspar Prophyry 7D POP Quartz-Feldspar Prophyry 7D P. Pegnatite 7D Applie 7D A	GEOLOGY LEGEND	ABBREVI	ATIONS		
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	1BK Basaltic Komatiite				





DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-7

Collar Eastings: 0.00 Collar Northings: -125.00 Collar Elevation: 0.00

Grid: BMG 035 DEG Claim: 1220095

Collar Inclination: -45.00

Grid Bearing: 0.00 Final Depth: 158.00 metres

Log Completed 20/11/97

Core: NQ/stored at Aunor Minesite, Timmins

Logged by: S McCann

Date: 18/11/97 to 20/11/97

Down-hole Survey: Acid

Contractor: NDS Drilling

			· · 		1	ASSAYS		
FROM	OT	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Au g/t	ck g/t
0	4.2	(Ob) Overburden-casing						
4.2	51.8	(2U 2P amy,hy,chl fr) Pillowed Mafic Volcanic - moderately altered Grey to pale green, fine-grained. Amygdaloidal and hyalo- clastic textures associated with the pillow structures. Chloritic selvages are dark green, usually hosting quartz calcite stringers and sometimes hyaloclastite material. Selvages and chloritic fractures have up to 3% associated clustered and disseminated pyrite. Occasional <2cm grey quartz stringer. The groundmass matrix is moderately ankeritized and silicified. Upper 80cm is blocky and weakly oxidized. The unit strongly resembles that in the bottom of hole K97-3.	5386 5387 5388 5389 5390 5391 5392 5393	5.00 6.50 12.50 26.00 27.50 42.50 47.00 48.50	6.50 8.00 14.00 27.50 29.00 43.50 48.50 50.00	1.50 1.50 1.50 1.50 1.50 1.00 1.50	0.01 0.01 0.09 0.01 0.01 0.01	
		Lower contact is gradational.						
51.8	57.4	(2MS 2MS mg,lx) Mafic Volcanic - massive Greyish green and medium-grained. Massive uniform rock hosting moderate pervasive lmm sized cream coloured leucoxene grains. 3-5% quartz calcite stringers. Occasional lime green, feldspathic glomerophyre. Local pyrite clusters associated with stringers, trace to 1% pyrite overall.		2.187	783	(1) 16 1 14 14 15 16 16 16 16 16 16 16	III IIII IIII	070
57.4	68.0	(2U 2P amy,hy,chl fr) Pillowed Mafic Volcanic - moderately altered As described for 4.2-51.8. Pale green to grey.	5394 5395	57.50 67.10	58.50 68.00	1.00 0.90	0.01 0.01	
		Lower contact sharp at 60 degrees to core axis.						
68.0	69.1	(4U 4GF/5ARGF 7% py,conductive) Graphite and Graphitic Argillite - conductive	5396	68.00	69.10	1.10	0.01	

Hayne Lostophus

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-7

Page 2

						ASSAYS		
FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	ТО	HIDIW	Aug/t	ck g/t
		Dark grey to black, aphanitic. Strong graphite component. 3-5% quartz-calcite fracture filling. 7% clustered primary pyrite. Bedding is at 70 degrees.						
		Probable cause of the IP anomaly!						
		Lower contact is distinct at 74 degrees.						
69.1	106.7	(2VAR 2VAR p,hy) Variolitic Pillowed Mafic Volcanic - hyaloclastic Pale to light green, medium-grained. Hyaloclastic, moderately altered. Buff coloured varioles are up to 1cm but generally average 5mm and are often coalescing. 5% quartz-calcite stringers and fracture fillings. Matrix is moderately ankeritized and silicified. Occasional narrow breccia zones <20cm as at 95.8. Trace to 15 pyrite overall with 5mm to 1cm clusters associated with the stringers and selvages.	5397 5398 5399 5400 5401	69.10 73.50 83.50 102.50 103.50	70.10 74.50 84.50 103.50 104.50	1.00 1.00 1.00 1.00 1.00	0.01 0.01 0.01 0.01 0.01	0.01
		Sharp lower contact at 70 degrees.						
106.7	124.5	(8U 8U mg,mag) Diabase Massive, moderately altered. Greyish green massive uniform rock. Minor chlorite fractures. Magnetic and siliceous. Rare <2% quartz-calcite stringers. Trace pyrite.						
		Abrupt lower contact at 80 degrees.						
124.5	136.6	(2VAR 2VAR p,hy) Variolitic Pillowed Mafic Volcanic - hyaloclastic As described above from 69.1 to 106.7.	5402	135.00	136.60	1.60	0.01	
136.6	141.4	(2MS 2MS mg,chl) Light green, medium-grained. Massive, relatively unaltered rock with weak ankerite and silica alteration. Minor quartz calcite fracture filling and stringers, chloritic component to the seams. The unit has a weak speckled texture.						

DIAMOND DRILL LOG

PROPERTY: KNIGHT (711060)

HOLE No.: K97-7

ASSAYS

Page 3

FROM TO

LITHOLOGICAL DESCRIPTION

SAMPLE No. FROM TO WIDTH Au g/t ck g/t

Trace amounts of pyrite.

Lower contact at 50 degrees to core axis.

141.4 158.0 (8U 8U f-mg, loc mag)

Dark green to dark grey in colour, fine to medium-grained. Moderate pervasive epidote associated with fractures and quartz calcite stringers trending at 35 degrees to core axis. Chilled upper contact. Glomeroporphyritic with feldspar megacrysts. Magnetic below 144.5m with abundant chloritic fractures. Trace pyrite.

158.0 End of Hole

Casing left, capped Core boxes: 37, stored at Aunor Minesite, Timmins Assay samples: 17 (Au)

Township: Knight NTS: 41P 10/11

UTM: 495616E/5281310N (approx)

Claim: collar on 1220095, eoh on same

Collar Location: 100m N, 120m E of #3 post of

1220095

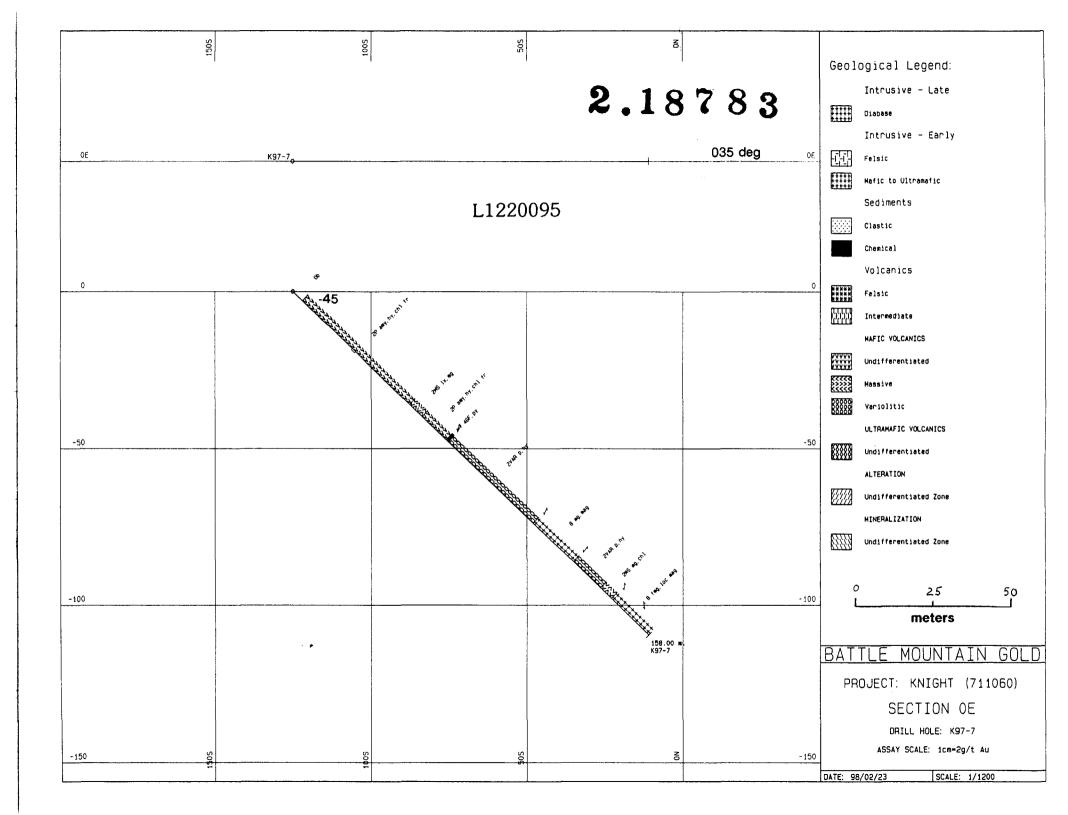
Location of eoh: 000E/10.98S, elevation

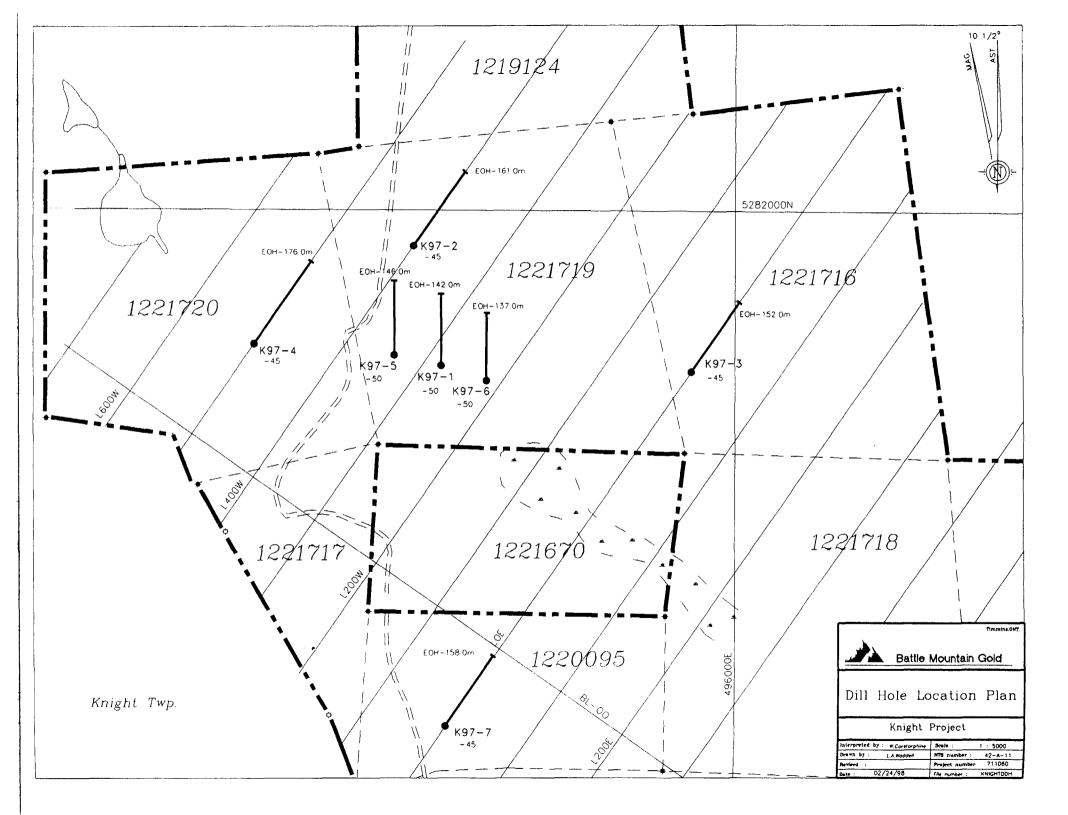
-109.38m

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
60.00	-43.00	0.00
120.00	-44.00	0.00
158.00	-44.00	0.00

GEOLOGY LEGEND	ABBREVI	ATIONS		
8U Diabase (U=undifferentiated)	Texture		Veining	
(=====================================	ag, agg	agglomerate	Asbv	asbestose
7U Felsic to Intermediate Intrusive	amy	amygdaloidal	Av	ankerite
7G Granite	FB, fb, fbx	flow breccia	Cv	calcite
7Gd Granodiorite, Quartz Monzonite	fol	foliated	Epv	epidote
7T Tonalite	glom	glomerophyric	Hemv	hematite
7S Syenite	gm	groundmass	Mtv	magnetite
7M Monzonite	hy	hyaloclastic	Qv	quartz
7FP Feldspar Porphyry	htr	heterolithic	Qav	quartz-ankerite
7QFPQuartz-Feldspar Porphyry	lap	lapilli	Qcv	quartz-calcite
7PA Pegmatite	ms, msv, mas		Qtourv	quartz-tourmaline
7A Aplite	р	pillowed	Tourv	tourmaline
7F Felsite	pj	polygonal jointing		
	por	porphyritic	Structural	
6U Mafic to Ultramafic Intrusive	qt	quench testure	bd	bedded
6D Diorite, Trondhjemite	sch	schistose	bnd	banded
6G Gabbro	sfx	spinifex	bx	breccia
6A Anorthosite	t	tuff, tuffaceous	bxd	brecciated
6P Peridotite, Pyroxenite	tx	texture	ct	contact
6L Lamprophyre	tbx, t-bx	tuff-breccia	F, f	fault
	ves	vesicular	FZ, fz	fault zone
5U Clastic Sediments	var	variolitic	flt	faulting
5Ar Argillite	_phy	_phyric	fl	flow
5ARGF Graphitic Argillite			fr	fracture
5GW Greywacke	Alteration		g	gouge
5CG Conglomerate	Ab	albitization	pj	polygonal jointing
5CGT Timiskaming Conglomerate	Ank	ankeritization	s, sh	shear
5SS Sandstone	AZ, az	alteration zone	SZ, sz	shear zone
5ST Ssiltstone	Bi	biotite	slk	slickenside
5Q Quartzite	Blch	bleached		
5A Arkose	Cal	calcitic	Other	
JAT AHROSO	Carb	carbonatization	bld	boulder
4U Chemical Sediments	Сь	carbon	ch, cty	cherty
4IF Iron Formation	Chl	chloritization	cg	coarse-grained
4IFS Sulphide Facies	Ep	epidotization	fg	fine-grained
4IFC Silicate Facies	Fu	fuchsite	int	intermittent
4IFO Oxide Facies	Gcb	green carbonate/fuchsite	loc, I	local, locally
4C Chert	Gos	gosson	mag	magnetic
4IGF Graphite	Hem	hematization	mg	medium-grained
1101 Graphite	Lx	leucoxene	mnr	minor
3U Felsic to Intermediate Volcanic	Pot	potassic	mod, m	moderate
3R Rhyolite	Ser	sericitization	Ob, Ovb	overburden
3D Dacite	Serp	serpentinization	pv	pervasive
3A Andesite	Sil	silicification	rub	rubble
3T Trachyte	Tc	talc	sil	siliceous
31 Huonyte	Tour	tourmaline	st, s	strong
2U Mafic Volcanics			tect	tectonized
2MS Massive	<u>Mineralizatio</u>	<u>on</u>	tr	trace
2P Pillowed	Asb	asbestose	v	very
2FB Flow Breccia	Asp	arsenopyrite	wk, w	weak
2HY Hyaloclastite	Clpy	cluster pyrite		
2VAR Variolitic	Сру, Ср	chalcopyrite		
2POR Porphyritic	Cry	crysotile		
2CA Calc-Alkaline	Dspy	disseminated pyrite		
2IT Iron Tholeiite	Gn, Gal	galena		
2MT Magnesium Tholeiite	Gf	graphite		
	Mt	magnetite		
1U Ultramafic Volcanic	Mo	molybdenite		
1TC Talc-Chlorite (altered)	Po	pyrrhotite		
, , ,	Py	pyrite		
1GCB Green-Carbonate (altered) 1K Komatiite	Sw	stockwork		
1BK Basaltic Komatiite	VG	visible gold		
IDA Dasanic Kumanne	MZ	mineralized zone		







K

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)

1.49880,00598
Assessment Files Research Imaging

 γ of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the to review the assessment work and correspond with the mining land holder. In Recorder, Ministry of Northern Development and Mines, 6th Floor,



900

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in lnk.

ame	Attach a list if necessary)	Cilent Number
Battle Mountain	Canada Ltd.	143550
POBOX 1205, 60	Shirley Street South	Telephone Number (705) 268-9600
Timmins, Onto	urio P4N 7J5	Fax Number (705) 268-9572
ıme		Client Number
dress		Telephone Number
		Fax Number
Geotechnical: prospecti	ing, surveys, Physical: drii	of the following groups for this declaration. ling, stripping, Rehabilitation
assays and work under	section 18 (regs) trenching and	d associated assays Office Use
12 (36,740,760	Drilling - 7 holes b K97-7	Commodity
(47-1)		Total \$ Value of Work Claimed '94 348
atea Work From 07	Month Year Day Month Year	NTS Reference
obal Positioning System Data (if av	Allable) Township/Area Knight Township	Mining Division Lander LK
	M or G-Plan Number	Decident Controllet
- provi	n a work permit from the Ministry of Nature de proper notice to surface rights holders plete and attach a Statement of Costs, for	before starting work;
- provi - comp - provi - includ Person or companies v	n a work permit from the Ministry of Natural de proper notice to surface rights holders plete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report.	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work;
- providence of	n a work permit from the Ministry of Natural de proper notice to surface rights holders plete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attacher phine	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600
Person or companies v	n a work permit from the Ministry of Natural de proper notice to surface rights holders plete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. Who prepared the technical report (Attacher phine) 60 Shirley Street South	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600
Person or companies v Me Wayne Cors Timmins, O	n a work permit from the Ministry of Natural de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attaction of Street South Natural Of Street Sou	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number
Person or companies v Me Wayne Cors dress Po Box 1205 Timmins, O	n a work permit from the Ministry of Natural de proper notice to surface rights holders plete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. Who prepared the technical report (Attacher phine) 60 Shirley Street South	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572
Person or companies v Wayne Cors dress Po Box 1205 Timmins, O me	n a work permit from the Ministry of Natural de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attaction of Street South Natural Of Street Sou	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number
Person or companies v Me Wayne Cors Gress Po Box 1205 Timmins, O me dress me	n a work permit from the Ministry of Natural de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attachine PHN 7JS	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number Fax Number
- providence of companies were wayne Cors dress Po Box 1205 Timmins, O me dress dress	n a work permit from the Ministry of Natural de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attacher of Shirley Street South Natural PHN 7JS RECEIVED SEP 17 1998 10. 5 GEOSCIENCE ASSESSMENT OFFICE	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number Fax Number Telephone Number Fax Number
- provided companies were wayne Cors dress Po Box 1205 Timmins, O me dress Certification by Record	n a work permit from the Ministry of Natural de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. Who prepared the technical report (Attacher Phine) SEP 17 1998 10. 5 GEOSCIENCE ASSESSMENT OFFICE	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number Fax Number Telephone Number Fax Number Telephone Number
Person or companies was well and the second of the second	n a work permit from the Ministry of Nature de proper notice to surface rights holders olete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. who prepared the technical report (Attacher of Shirley Street South Nearlo PHN 7JS RECEIVED SEP 17 1998 10. 5 GEOSCIENCE ASSESSMENT OFFICE ded Holder or Agent phine , do hereby certify me)	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number Fax Number Telephone Number Fax Number Telephone Number that I have personal knowledge of the facts to be performed or witnessed the same duri
Person or companies with the wayne Corsidress Timmins, Outsidess Certification by Record Wayne Corsta (Print Na with in this Declaration of A	n a work permit from the Ministry of Natural de proper notice to surface rights holders oldete and attach a Statement of Costs, for de a map showing contiguous mining land de two copies of your technical report. Who prepared the technical report (Attaction Phine) SEP 17 1998 10. 5 GEOSCIENCE ASSESSMENT DEFICE ded Holder or Agent phine Assessment Work having caused the work to the best of my knowledge, the annexed	ral Resources as required; before starting work; m 0212; ds that are linked for assigning work; ach a list if necessary) Telephone Number (705) 268-9600 Fax Number (705) 268-9572 Telephone Number Fax Number Telephone Number Fax Number that I have personal knowledge of the facts to be performed or witnessed the same durid report is true.

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form. Mining Claim Number. Or if **Number of Claim** Value of work Value of work Value of work Bank, Value of work work was done on other eligible Units. For other performed on this applied to this assigned to other to be distributed mining land, list claim or other mining land, show in this claim. mining claims. at a future date. hectares. mining land. column the location number indicated on the claim map. N/A \$2,825 TB 7827 16 ha \$26, 825 \$24,000 90 1234567 12 ٥ \$24,000 0 ٥ eg eg 1234568 2 \$ 8, 892 \$ 4,000 0 \$4,892 1/90030 schedule 1 ched 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Column Totals , do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done. Signature of Recorded Holder or Agent Authorized in Writing 6. Instructions for cutting back credits that are not approved. Some of the credits claimed in this declaration may be cut back. Please check () in the boxes below to show how you wish to prioritize the deletion of credits: 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated. 2. Credits are to be cut back starting with the claims listed last, working backwards; or 3. Credits are to be cut back equally over all claims listed in this declaration; or 4. Credits are to be prioritized on the attached appendix or as follows (describe): GEOSCIENCE ASSESSMENT
Note: If you have not indicated how your creditable to be delet d, credits will be cut back from the Bank first, followed by option number 2 if necessary. For Office Use Only Received Stamp Deemed Approved Date Date Notification Sent Date Approved Total Value of Credit Approved

Approved for Recording by Mining Recorder (Signature)



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

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.

S S lization).	48.14/m 350/d 250/d 10.50 ea	51,603 7,350 3,000 2,110 296 1,083
S lization).	250/d	3,000 2,110 296
lization).		2,110
, i	10.50 ea	296
, i		
, i		
ich)		
ick)		1,083
		576
		82
en).	~59/d.	1,248
tal Value of	Assessment Work	67,348
erformance, i	it can only be claimed	
× 0.50 =	Total \$ valu	e of worked claimed
1	tal Value of 00% of the erformance, r claims, use 0.50 =	en). ~59/d. tal Value of Assessment Work 5 100% of the above Total Value of A erformance, it can only be claimed r claims, use the calculation below:

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:							
1. Wayne Constorphine, do	hereby certify, t	hat the amou	ınts shown a	ire as acci	urate a	as ma	y
reasonably be determined and the costs were inc	curred while cond	ducting asses	sment work	on the lan	ds ind	icated	on
the accompanying Declaration of Work form as	Asent - (recorded holder, agent	Lands, or state company	Manage position with sign	ning authority)	l am	author	rized
to make this certification.			.*	1 2	49	;	m. - e

SCHEDULE FOR DECLARATION OF ASSESSMENT WORK ON MINING LAND

Work Transaction # EASTCAN98.025

W9880 00598.

MINIA Work mining the on the	NG CLAIM NUMBER. Or if was done on other eligible ig land, show in this column location number indicated he 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		BANK.Value of work to be distributed at a future date
1	L 1190030	2	0.00	800.00		
2	L 1190585	1	0.00	400.00		
3	L 1219124	1	0.00	400.00		
4	L 1213127	1	0.00	400.00		
5	L 1220089	7	0.00	2.800.00		
5	L 1220092	1	0.00	400.00		
7	L 1220094	1	0.00	400.00		
8	L 1220095	1	9,917.00			9.917.00
3	L 1220372	1	0.00	400.00		
10	L 1220373	•	0.00	400.00		
11	L 1220374		0.00	400.00		
12	L 1220375	1	0.00	400.00		
13	L 1220376	1	0.00	400.00		
14	L 1220377	1	0.00	400.00		
15	L 1221716	1	9,012.00	400.00		8.612.00
15	L 1221717	1	0.00	400.00		
17	, L 1221718	1	0.00	400.00		
18 19	L 1221719 L 1221720	1	37,327.00		8,800.00	28,527.00 10.692.00
	RECEIVE					
	SEP 1.7 (598) SEOSCIENCE ASSESSME OFFICE	D.179				
		Column Totals	67.348.00	9.600.00	3.800.00	57.748.00

Ministry of **Northern Development** and Mines

BATTLE MOUNTAIN CANADA LTD.

Ministère du Développement du Nord et des Mines



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

Telephone: (888) 415-9846 (877) 670-1555

Visit our website at:

Submission Number: 2.18783

www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

October 1, 1998

P.O. Box 1205

P4N 7J5

Timmins, Ontario

Wavne Corstorphine

60 Shirley Street South

Status

Subject: Transaction Number(s): W9880.00598 Deemed Approval

SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

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

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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

Work Report Assessment Results

Submission Number:

2.18783

Date Correspondence Sent: October 01, 1998

Assessor: Steve Beneteau

Transaction

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9880.00598

1220095

KNIGHT

Deemed Approval

September 29, 1998

Section:

Number

16 Drilling PDRILL

Correspondence to:

Kirkland Lake, ON

Assessment Files Library Sudbury, ON

Resident Geologist

Recorded Holder(s) and/or Agent(s):

Wayne Corstorphine

BATTLE MOUNTAIN CANADA LTD.

Timmins, Ontario

