

DRILL HOLE LOG

COORDINATES O + 97N - 4 + 34E, 4 + 50E
ELEVATION 5185'
DIP -90°
AZIMUTH -

CORE SIZE BQ
HOLE STARTED 23/08/79
HOLE COMPLETED 31/08/79
LOGGED BY M.P. Phillips

HOLE No79B-3
PAGE 1 OF 14

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
0				
10	0.5' recovery Pbmcs* BIOTITE MARBLE AND SCHIST: biotite, dolomitic, siliceous; milky quartz veining and garnet banded skarn.			
	Biotite dolomitic marble with siliceous bands.			
20	feldspars soft, yellow colour Kap* WHITE APLITE: white, fine grained, high quartz content; high pervasive carbonate; altered feldspars.	(2)	T	1
	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: fine grained, narrow siliceous bands, up to 0.2' white quartz segregations; pale greenish 'bleach' bands. Pale to dark green banded, grading into massive, hard; massive with vesuvianite > calcite up to 1.5 mm; white band in middle.	(14)	T	1
	0.1' intrusive- fine-medium grained Minor chlorite. Banded skarn and calc-silicate gneiss: mainly massive dark green pyroxene skarn, moderately soft-weakly hard with weak garnet, vesuvianite and bands of pale green banded hard with vesuvianite, wollastonite partings.			
	Psk* massive, dark green fine grained hard to moderately hard; trace garnet?; vesuvianite, minor pyrite.	0.05	30	
30	10° KTqfp* carbonate content becomes nil; fine needle like crystals - tremolite? DARK GREEN DYKE: dark grey-green, very fine grained with strong <1 mm chlorite speckling and minor white carbonate (altered feldspar?) speckling. Strong pervasive carbonate, chlorite? is weakly foliated.	(3)	T	1
	45° Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: pale-medium green banded and mottled skarn, hard with a few <0.1' siliceous marble bands.			
	Psk* DARK MASSIVE SKARN: dark green, weakly soft-fairly hard, dark green pyroxene; fair-moderate pervasive carbonate; fine white bleb of calcite up to 20 mm garnets at top half where stronger sulphide mineralization; 2% pyrite pyrrhotite; garnets 5%.	0.18	<5	
40	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: pale-medium green, hard, tending to massive with a few remnant biotite ex garnet porphyroblast; massive skarn; bottom 0.5' with minor pyrite.			
	late biotite in pale chloritic matrix			
	Pggi* Biotite dolomitic marble with narrow light pale green pyroxene bands, narrow white bands and overall looks bleached; start of skarnification? blebby and fracture quartz common; bleached biotite starts to disappear and pyroxenes appear.	(4)	T	1
50	Pcss BANDED SKARN AND CALC-SILICATE SCHIST: alternating bands, laminations and streaks of milky white wollastonite and pale green hard pyroxene skarn with brown vesuvianite pale pink garnet - 10-15%.			
	Pggi GREY AND GREEN INTERBANDED SCHIST dark, in places silicified (primary?? or introduced with skarnification cut by up to 0.5' of banded pale green skarn; patches replacing marble of light green skarn and rarely soft chloritized anaemic green marble; quartz blobs and irregular segregation common; minor massive skarn. Exhibits transition from marble to massive skarn.	(125)	T	1
	Pcss BANDED SKARN AND CALC-SILICATE SCHIST: see page 2 for description.			

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 2 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

WO₃%
(ppm) Au ppm
S_N

ELEVATION FOOTAGE		DESCRIPTION	ANALYSIS		
			WO ₃ % (ppm)	Au ppb	S _N ppm
68	•	late biotite porphyroblasts Pcss* BANDED SKARN AND CALC-SILICATE SCHIST: continued: alternating bands, laminations and lenses of light mottled grey wollastonite and marble; pale green banded skarn; brown vesuvianite with up to 15 mm vesuvianite porphyroblasts. Some light pink garnet as streaks and 5 mm porphyroblasts. At bottom contact pale green banded skarn with irregular remnants of biotite, pyroxene?	(125)	T	1
70	•	Pbmcs* BIOTITE MARBLE AND SCHIST: biotite marble schist and weakly altered and weathered equivalents. Many siliceous bands- primary; occasional 1/ft up to 0.1' aplite; siliceous bands = 60-70% quartzo-feldspathic schist			
	•	0.1' coarse grained, intrusive, coarse muscovite and abundant tourmaline.			
	•	Brown altered and weathered equivalent.	(1)	10	1
	•	Siliceous bands become less common.			
80	•				
	•	2 15" and 30" up to 5 mm black tourmaline-quartz veins with irregular border of weak pale green skarn-fairly soft; scheelite trace in quartz tourmaline.			
	•	Siliceous biotite schist and marble.			
90	•	0.2' glassy quartz with soft chloritized marble envelope. 0.2' weak chloritic aplite with wing of quartz tourmaline; marble bleached to pale dirty green around vein. Blebbly quartz to 3 mm common.	(5)	T	1
	•	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: grey biotite and light green pyroxene layers interbanded, altered equivalent of biotite marble and schist.			
100	•	Coarse biotite and strong blebbly quartz Milky quartz with patches of soft green pyroxene			
	•	Psk* DARK GREEN MASSIVE SKARN: massive, pale green hard to moderately soft with strong blebbly white quartz; fair fracture = disseminated pyrite. Weak calcareous.	0.10	33	
	•	Pcss* BANDED SKARN AND CALC-SILICATE GNEISS: pale-medium green, abundant blebbly quartz and weak-fair, light pink garnet streak, rare porphyroblasts with tourmaline.	0.05	T	
	•	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: dark grey biotite dolomite with light green interbanded pyroxene bands. Strongly foliated, siliceous bands common. Moderate to 5 mm and 2 mm garnets usually rimmed by fine black mineral.	0.09	10	
110	•				
	•	Streaky banded pale green hard pyroxene with lenses and partings of marble; garnet pseudomorphs altered to a very fine black mineral; minor blebbly quartz.	(6)	T	1
	•	70° parallel to foliation clear quartz cut by quartz feldspar			
120	•	70° parallel to foliation see page 3 for description			

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 3 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
120	<p>Pggi*</p> <p>GREY AND GREEN INTERBANDED SCHIST AND GNEISS continued</p> <p>increasingly blebby and fracture quartz become more uniform in texture and pale-medium dirty green colour.</p>			
130	<p>Pcss*</p> <p>BANDED SKARN AND CALC-SILICATE GNEISS: pale green hard, pyroxene with altered garnets; minor pink garnets streaks and vesuvianite. Bands and lenses of altered garnet biotite marble.</p> <p>Still banded but becoming more massive altered garnets disappear. Biotite marble absent; garnets, vesuvianite up to 15%.</p>	0.04 0.04	5 10	
140	<p>Psk*</p> <p>DARK GREEN MASSIVE SKARN: dark green pyroxene 20-40%, low in garnet and vesuvianite.</p> <p>garnet vesuvianite band 40%</p> <p>Weak quartz minor pyroxene banding starts light colour.</p>	0.07 0.10 0.08 0.08	103 172 T 103	
150	<p>Pcss*</p> <p>BANDED SKARN AND CALC-SILICATE SCHIST: light and dark banded; increasing light coloured pale green pyroxene bands toward bottom.</p> <p>bottom contact-abundant garnet porphyroblasts.</p> <p>undigested streaks laminations and wisp of biotite marble appear and porphyroblasts of altered 2 mm garnets; tendency for fine blebby quartz to appear.</p>	0.06 0.06 0.01	T T T	
160	<p>banded but tending to massive</p>	0.03	T	
170	<p>Pbmcs*</p> <p>BIOTITE MARBLE AND SCHIST: marble - soft; biotite to chlorite? more greenish than normal with occasional narrow bands of pale green. 3 mm garnet fair usually with no alteration rim.</p> <p>0.5' aplite - fine grained biotite - 3% feldspars cloudy and hard.</p> <p>Blebby and blebby quartz and weak soft pale green pyroxene skarn wisps and irregular bands appear.</p>	(1)	T	1

DRILL HOLE LOG

HOLE NQ9B-3
PAGE 4 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
180	<p>Pcss* BANDED SKARN AND CALC-SILICATE SCHIST: alternating irregular bands up to 0.2' average <1' of mottled white wollastonite with pale green mottled pyroxene speckling, with trace minor carbonate; hard pale-medium green weakly banded skarn; narrow vesuvianite garnet porphyroblasts disseminated and in bands; garnets > vesuvianite 10-20%.</p> <p>transition Mainly hard medium green mottled pyroxene skarn with up to 0.1' bands and lenses of marble. A few partings of white wollastonite-carbonate. Garnet vesuvianite - 5% decreasing toward bottom. In skarn alteration up to 5 mm. Black pseudo-garnets.</p>	(15)	T	I
190	<p>Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: dark grey biotite and pale green pyroxene interbanded schist and gneiss. Highly siliceous, looks primary; very dark colour.</p> <p>Mottled banded pale green pyroxene with dark grey-green hard siliceous marble lenses and narrow bands with altered garnets.</p> <p>Siliceous biotite dolomitic marble.</p> <p>Mottled banded pale and medium green hard pyroxene with garnet completely and partly altered to black moderately soft mineral (biotite?); blebby and fine lensy quartz common at top. Occasional siliceous marble bands; minor pyrrhotite.</p> <p>- could be siliceous chloritic epidote bearing</p>	(1)	T	I
200	<p>Transition- as above with increasing number of fairly hard siliceous biotite marble bands (up to 0.5') lenses and wisps (undigested marble); siliceous wisps and blebs fair; increasing porphyroblasts of vesuvianite mainly some incipient pale pink garnets alternating skarn and marble in part gneissic texture. Up to 8 mm altered garnets - fair.</p> <p>2 - up to 0.2' glassy quartz segregations parallel foliation</p> <p>Occasional poorly defined up to 0.2' and 0.1' wollastonite with garnet vesuvianite.</p> <p>Interbanded wollastonite-garnet-vesuvianite.</p> <p>10° contact parallels foliation Glassy milky quartz with <1% chlorite up to 1mm minor patches towards bottom of banded skarn.</p> <p>Weak pyrite, minor pyrrhotite. Numerous up to 0.05' fragments of dark green pyroxene skarn with garnet porphyroblasts up to 1.5 mm in a fractured white quartz with fracture and disseminated chlorite. Fair fracture pyrite > pyrrhotite.</p>	0.07	10	
210	<p>10° fracture weathered sugary light limonite - fault related?</p> <p>60° parallels foliation white quartz - 2 strong chlorite-pyrrhotite fractures.</p> <p>30° parallels foliation</p> <p>Psk* DARK GREEN MASSIVE SKARN: massive to weakly banded; medium green pyroxene skarn; fine blebby quartz in parts weak banding rare light coloured green altered garnet pyroxene skarn; vesuvianite in massive high to 40% garnet low, after 227' better banded and altered garnets more common. Low fracture and disseminated pyrite-pyrrhotite.</p>	(32)	T	I
220	<p>10° fracture weathered sugary light limonite - fault related?</p> <p>60° parallels foliation white quartz - 2 strong chlorite-pyrrhotite fractures.</p> <p>30° parallels foliation</p> <p>Psk* DARK GREEN MASSIVE SKARN: massive to weakly banded; medium green pyroxene skarn; fine blebby quartz in parts weak banding rare light coloured green altered garnet pyroxene skarn; vesuvianite in massive high to 40% garnet low, after 227' better banded and altered garnets more common. Low fracture and disseminated pyrite-pyrrhotite.</p>	0.10	T	
230	<p>fracture contact aplitic phase - irregular, feldspars cloudy finer grained than normal biotite quartz monzonite Sharp - 45°</p> <p>Kqm* QUARTZ MONZONITE: porphyritic feldspars to 30 mm common Fractures 3/ft with minor carbonate and weak 3 mm envelope with feldspars cloudy.</p>	0.35	125	
	<p>Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: pale green and grey pyroxene-biotite interbanded schist and gneiss. Massive dark green vesuvianite > garnet grading into generally banded medium green skarn.</p>	0.04	T	
	<p>Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: pale green and grey pyroxene-biotite interbanded schist and gneiss. Massive dark green vesuvianite > garnet grading into generally banded medium green skarn.</p>	0.07	15	
	<p>Kqm* QUARTZ MONZONITE: porphyritic feldspars to 30 mm common Fractures 3/ft with minor carbonate and weak 3 mm envelope with feldspars cloudy.</p>	(2)	T	I

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 5 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	Ppb Au	Ppm Sn
240	45° parallels foliation Pbmcs* BIOTITE MARBLE AND SCHIST: slightly more siliceous; biotite dolomitic marble.	(1)	T	I
250	80° parallels foliation Kqm* 0.4' glassy quartz Aplite - fine and medium grained minor to 10 mm chlorite phenocrysts. 30° fracture with irregular chlorite QUARTZ MONZONITE: biotite quartz monzonite with weak bleaching, strong carbonate along fractures. Fractures 6/ft. Porphyritic phenocrysts of plagioclase to 40 mm. Biotite 10-15% fine-medium grained, occasional carbonate on fractures.	(1)	T	I
260	Biotite weak to moderately chloritized.			
270	0.3' coarse quartz feldspar with 2 mm chloritized quartz feldspar. 80° contact Pbmcs* dark grey and green BIOTITE MARBLE AND SCHIST: black irregular wisps and patches soft light khaki green colour. Dark grey green, fine grained, foliated biotite to 30%; minor narrow 0.2' diffuse siliceous bands - primary, but most look like intrusive introduced; minor to 2 mm garnet porphyroblasts. Fair carbonate-weak limonite along fractures. Minor disseminated pyrite. 0.3' sill non-porphyritic biotite quartz monzonite - biotite-chlorite-muscovite-garnet schist - altered basic rock, talcy fractures 1/4" brown tourmaline with quartz envelope - dip 20°	(10)	T	I
280	xenolith-contacts-20° biotite dolomite marble Kqm* QUARTZ MONZONITE: white; biotite- nil to trace; fine grained; rice pudding texture - aplitic; 1/2% chlorite speckling; in a few places weak clay-carbonate alteration to feldspars. Thin film of carbonate along fracture.	(1)	T	I
290	Up to 0.2' xenoliths of marble in biotite quartz monzonite 20° contact Marble becomes pink near contact Garnets fair to moderate 0.5' biotite quartz monzonite Pbmcs* BIOTITE MARBLE AND SCHIST: as above; with irregular and diffuse paler green bands - weak skarnification? Anhedral <0.2mm dark green disseminated mineral looks like talc. This appears to be weak dolomite alteration. - biotite-chlorite muscovite-garnet schist- - talcy on fractures 45° - 0.1' white very fine grained quartz monzonite. Steep dipping quartz monzonite and quartz veining.	(2)	T	I

DRILL HOLE LOG

HOLE No. 79B-3

PAGE 6 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
300	Pbmcs* biotite-chlorite-muscovite-garnet schist BIOTITE MARBLE AND SCHIST continued Irregular pale and dark green weak silicification; dark green talc? specks and lenses; in places pink garnets abundant; pale green soft, looks like chlorite may be pyroxene 0.5' non-porphyrritic biotite quartz monzonite with fair green tourmaline. 70° 0.3' clear quartz with orthoclase phenocrysts Still pale bands but looks more like typical marble; occasional black talc specks; medium-coarse dolomite? crystals, disseminated and in bands. garnet to chlorite talcy rocks			
310	Kqm* QUARTZ MONZONITE: fine grained, non-porphyritic, weakly biotitic; quartz-kspar tourmaline (green) veining weak.	(20)	T	1
320	Pbmcs* BIOTITE MARBLE AND SCHIST: crude dark and light green banding dark green looks like talc and biotite mixture. 'Bleach' band - khaki green with eyes, streaks and knots of dark green - altered basic rocks - epidote chlorite bleaching along fractures			
330	0.5' abundant <1 mm pink garnets 0.3' abundant <1-5 mm garnets Strong calcite-quartz veinlets and highly weathered. More massive, uniform dark green, appears slightly more siliceous than normal. Biotite quartz monzonite and coarse quartz kspar tourmaline bands. Weak clay alteration in place. 50° foliation. 0.2' up to 5 mm garnets	(6)	T	1
340	Pbcs* biotite chlorite garnet schist pale epidote alteration Siliceous biotite schist: black, finely laminated. Foliation, graphitic, fair (to 2%) laminae and crack pyrite.			
350	30-40% up to 5 mm garnets in a hard pale pyroxene skarn. Strong up to 5 mm garnet bands in pale green marble with graphitic quartzite bands. Pcp* Pcs* altered basic rock - quartz carbonate chlorite epidote contact 0-20° yellowish, foliated quartz, high moderately soft yellow feldspar fair pyrite. contact 80° - light brown to light olive Pcp* altered basic rock - quartz carbonate chlorite epidote contact 0-20° yellowish, foliated quartz, high moderately soft yellow feldspar fair pyrite. contact 80° - light brown to light olive Pcp* altered basic rock - quartz carbonate chlorite epidote contact 0-20° yellowish, foliated quartz, high moderately soft yellow feldspar fair pyrite. contact 80° - light brown to light olive	(32)	T	1

DRILL HOLE LOG

HOLE No.79B-3

PAGE 7. OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE		DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
360	Pcp*	- grades to nitrite bleached quartzite Siliceous biotite schist continued: light grey very fine grained foliated with chlorite specks and partings and wisps.			
		Bleached - aplitic - fine grained greenish colour feldspar, in some places gone to clay. Transitional Kqm QUARTZ MONZONITE: medium grained; biotite scattered to 20 mm feldspar phenocrysts with fractures to 3 ft. Bleached bands feldspar moderately soft to hard, chlorite to pale anaemic green. In some places chlorite is altered to dark green imparting greenish tint to rock. Fair clear quartz veining to 0.1 ft; fair up to 1/16" green calcite fractures 2-4/ft. epidote?	(1)	T	I
370		grey green mottled Kqm chlorite matrix	0.12	10	
		White aplite vein.			
380		- pale yellow brown altered feldspar phenocrysts - chlorite epidote alteration - variable silica content	(1)	T	I
390			(1)	T	I
400					
		Blebbly and fine veinlet silification. Psk*	(1)	T	I
		Garnet becomes vesuvianite to 10%.			
		Variable lime content - strong to weak. Fair pyrrhotite.	0.11	350	
		0.2' white marble			
410		white marble - faintly banded Skarn: massive; dark-medium green with 15-20% garnets to 15 mm wide and up to 5% vesuvianite. Minor-trace limy partings. Fair blobby and hairlike veinlet silicification.	0.04	20	
			0.05	395	
420	Psk*	dark green dark skarn pyroxene or amphibolite with large late biotite blebs - see page 8 for description			

DRILL HOLE LOG

HOLE No.79B-3
PAGE 8 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm S ₂
420	sample Psk* continued			
430	<p>• Biotite siliceous marble with dark green pyroxene and biotite clots. Medium green, fair-moderate fine grained dolomite marble? Matrix (partly going to pyroxene?) with large irregular up to 10 mm sheared coarse biotite 'clots', sometimes with clusters of fine garnets and marble 'eyes'. Fair gash silicification.</p> <p>• Silicified - primary or introduced</p> <p>• Marble - grey-green uniform to fine gneissic banding toward bottom.</p> <p>• Pggi* - pale grey siliceous biotite schist</p> <p>• 0.2'-0.1' bands parallel and crosscut foliation of light-medium green massive pyroxene with fair blebby silicification replacing biotite marble, slight pink quartz? garnet</p> <p>• Biotite marble - silicified along foliation.</p>	(8)	T	1
440	<p>• PCSS* BANDED SKARN AND CALC-SILICATE SCHIST: Banded pyroxene wollastonite vesuvianite garnet skarn. Garnet 10-15%, vesuvianite 5% up to 20 mm porphyroblasts and in up to 0.2' bands in marble- wollastonite with narrow light coloured pyroxene skarn bands.</p> <p>• pale green garnet wollastonite, pale green chlorite with biotite bands, garnet to chlorite</p> <p>• 0.4' white marble</p> <p>• Irregular narrow light coloured pyroxene skarn replacing biotite dolomite marble with garnets replaced by fairly hard black mineral. Strong blebby silicification minor up to 4 mm garnets in whiter bands, with wollastonite, calcite.</p> <p>• Irregularly, generally fine interbanded white marble; garnet, vesuvianite wollastonite with pale green bands.</p>	(23)	10	1
450	<p>• biotite-chlorite-muscovite-garnet schist</p> <p>• Pbmcs* BIOTITE MARBLE AND SCHIST: siliceous biotite dolomitic marble-normal dark grey green, massive-weak foliation-gneissic texture, weak disseminated, rare fracture pyrite.</p> <p>• 60° contacts parallel foliation. Biotite quartz monzonite towards bottom contaminated.</p> <p>• talcy fractures</p>	0.56	T	
460		(1)	T	1
470	<p>• PCSS* BANDED SKARN AND CALC-SILICATE GNEISS: white marble with coarse garnets vesuvianite porphyroblasts <10% and occasional <0.2' pale coloured skarn band partings of wollastonite.</p> <p>• 10-20% vesuvianite> garnets fair pale green skarn bands.</p> <p>• 0.3' biotite quartz monzonite - fine grained highly chloritized; 80° contacts.</p> <p>• 60° contact Aplite- fine-medium grained; white colour. Biotite dolomitic marble - strong foliation silicification garnets up to 4 mm partly or completely replaced by biotite common.</p> <p>• Up to 0.3' clear quartz fair black tourmaline.</p> <p>• White calc-silicate gneiss: occasional <0.2' bed; almost completely replaced by garnet vesuvianite - 10-15% up to 20% wollastonite and irregular partings and wisps of pale green pyroxene skarn.</p>	(2)	T	1
480				

DRILL HOLE LOG

HOLE No.79B-3
PAGE 9 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

WO₃%
(ppm) ppb Au ppm Sn

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
480	<p>Pcss* cont'd</p> <p>pale green calc-silicate schist with minor biotite bands, grades to skarn</p> <p>GREY AND GREEN INTERBANDED SCHIST AND GNEISS: mottled white and pale green, intense pervasive blobby silicification with up to 3 mm garnets usually partly or totally replaced by fairly hard black mineral - biotite. Narrow 0.2-0.5' remnant bands of biotite dolomite marble.</p> <p>pyroxene or amphibolite?</p>	(3)	T	1
		0.21	100	
490	<p>Psk*</p> <p>DARK GREEN MASSIVE SKARN: dark green, 10% garnet-vesuvianite porphyroblasts up to 15 mm. Minor blebby quartz, rare veinlets of quartz. Massive to weakly foliated dark green pyroxene vesuvianite garnet skarn.</p>	(9)	140	1
		0.19	50	
		(125)	T	1
500	<p>Pcss*</p> <p>60° parallels foliation 70° parallels foliation Massive skarn - medium-dark green 50% up to 15 mm garnet, minor vesuvianite</p> <p>BANDED SKARN AND CALC-SILICATE GNEISS: dark and medium green banded pyroxene, wollastonite vesuvianite -garnet skarn with minor dark green massive pyroxene skarn. Whitish to greenish tinged, minor carbonate wollastonite bands with porphyroblasts of garnet-vesuvianite up to 15 mm (15-20%) with narrow partings up to 0.2' of banded-massive medium green pyroxene skarn.</p>	0.05	10	
510		(1)	T	1
520	<p>Massive skarn - to 25% garnet porphyroblasts; minor pyrrhotite.</p> <p>Garnet-vesuvianite, wollastonite band with narrow massive and banded dark green skarn bands.</p> <p>Banded skarn - light - medium pale green, mottled, hard; minor vesuvianite-garnet. Occasional narrow indistinct white bands with garnets vesuvianite.</p>	0.10	155	
		0.03	T	
		0.04	T	
		0.03	T	
530	<p>Massive skarn as 519.97'-522.6' 40° foliation</p> <p>KTqfp*</p> <p>DARK GREEN DYKE: dark green aphanitic very fine dark green speckling.</p>	0.07	10	
		0.04	T	
		0.03	10	
		0.06	60	
540	<p>Psk*</p> <p>DARK GREEN MASSIVE SKARN: dark green, strong garnets to 25%; minor vesuvianite.</p> <p>BANDED SKARN AND CALC-SILICATE GNEISS: banded mottled skarn as 522.6'-530.3'</p> <p>Pcss*</p>			

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 10 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
540	Pcss* continued Milky quartz veining parallel core with skarn fragments. BANDED SKARN AND CALC-SILICATE GNEISS continued	0.05	40	
	Pggi* Irregular 80° glassy quartz cut by feldspar veining GREY AND GREEN INTERBANDED SCHIST AND GNEISS: alternating to irregular banding of biotite and pale pyroxene, becomes softer; less silicification.	(2)	30	1
550	Pbcs* 0.6' 60° contacts parallel foliation. Aplitic 1-3% chloritized biotite. BIOTITE MARBLE AND SCHIST: siliceous dolomite biotite marble-dark grey 10-15% fine biotite; occasional quartz veinlet. In places hairlike quartz along foliation - primary. - biotite chlorite schist to limy schist	(4)	T	1
560	0.3' chloritized very fine grained quartz monzonite			
	Pggi* Garnet (high) at top 0.4' grading into alternating marble and pale green pyroxene; crack pyrrhotite fair. GREY AND GREEN INTERBANDED SCHIST AND GNEISS: many 1-2/ft narrow irregular bands up to 0.2' average 0.1' wide of silicified marble with weak to fair pale green pyroxene. Blebby quartz common. Quartz primary? Weakly cooked and pyroxenized.	(1)	T	3
570	Pale green pyroxene gneiss with fair pale green pyroxenes and up to 15 mm garnets. Pyrrhotite crack filling bottom 0.4' with scheelite; occasional <0.1' band marble.	0.03	T	
	Pale green pyroxene gneiss - 75% pyroxene-light green trace scheelite blebby quartz 25% pyroxene dark green.	0.02	T	
	30° fault slickenside	0.04	T	
	Transitional Kqm* 0.5' on contact - sheared incipient garnet. QUARTZ MONZONITE: shredded biotite 10-15% light-medium grey, medium grained, occasional - rare feldspar phenocrysts to 15 mm inequigranular; along fractures up to 0.2' pale green bleached envelope; density 1-2/ft weak carbonation fracture.			
580	Bottom of pale green bleach fractures. Occasional 1/5 ft irregular up to 0.3' patch with low biotite and fine feldspars cloudy white weakly altered.	(12)	T	1
590		(30)	T	1

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 11 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
600	QUARTZ MONZONITE continued			
610	15° - 20 mm glassy quartz minor k-spar? filled fracture with irregular bleach envelope.			
620	2-10° fractures with weak carbonate, weak bleach envelopes.			
	White feldspar phenocrysts up to 40 mm long, average 15-20 mm become common. Pink (k-spar?) up to 10 mm, average 5 mm abundant more so than before 612.5'.	(2)	T	1
630	Slightly bleached, disseminated scheelite. 0.2' marble - silicified. 30° foliation Ragged poikilitic pink k-spar in a white feldspar matrix.	0.16	5	
	late biotite interbanded with pale green chloritic bands	(1)	20	1
640	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: many narrow irregular pale green pyroxene bands average 0.1' with blebby white quartz fair in marble - blebby dolomite not quartz marble. Pale green massive faint banded, moderately hard blebby quartz with lenses and bands of marble; minor pyrrhotite. Grey siliceous biotite dolomitic marble with pale green interbanded pyroxene bands. Biotite no garnets with many irregular diffuse pale grey green <0.2' 'bleach' bands and occasional pale green, soft, blebby quartz veins.	(1)	T	1
	60° parallels foliation Aplite - white, fine grained, <1% chloritized biotite cut by coarse grained glassy quartz-feldspar vein.	(1)	T	1
	Kqm* QUARTZ MONZONITE: light grey, 10% speckled biotite fine-medium grained weak - fair to 15 mm white feldspar phenocrysts; weak bleaching bottom 0.8'.			
	- altered biotite chlorite interbanded basic schist			
650	Pggi* GREY AND GREEN INTERBANDED SCHIST AND GNEISS: biotite dolomitic marble interbanded with pale green pyroxene. Foliation stronger than normal; fair pervasive silicification along foliation; with many irregular wisps lenses and bands of hard, pale green low pyroxene blebby silicified skarn bands 0.05-0.2' wide. Minor pyrrhotite in skarns. Biotite coarser than normal.	(1)	T	1
	40° foliation Aplite - fine grained fresh weak chlorite speckling.			
	35° foliation Pale green hard, blebby quartz, garnets 0.2 mm altered to black mineral. Fair crack pyrrhotite.			
660	50° parallels foliation Kqm* QUARTZ MONZONITE: biotite 10-15% weakly porphyritic with aplitic mafic free bands, common at top contact.			

DRILL HOLE LOG

HOLE No.79B-3
PAGE 12 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

FOOTAGE	DESCRIPTION	WO ₃ % (ppm)	ppb Au	ppm Sn
660	<p>Kqm*</p> <p>QUARTZ MONZONITE continued</p> <p>60° parallels foliation Pggi*</p> <p>GREY AND GREEN INTERBANDED SCHIST AND GNEISS: biotite dolomitic marble with interbanded pale green pyroxene bands; towards bottom biotite fining, in places fine garnets rimmed with biotite.</p> <p>0-10° fracture with biotite? (fairly hard tourmaline); minor pyrrhotite in places carbonate filling fracture.</p> <p>secondary carbonate</p>	(1)	20	1
670	<p>20 mm 30° quartz, yellow calcite (altered - quartz carbonate alteration - feldspar?) filled fracture.</p> <p>Pale khaki coloured, bleached? marble in places limy; strongly chloritic, primary?</p> <p>Marble silicified moderately minor garnets.</p> <p>Bands of pale green hard pyroxene.</p> <p>Bands irregular in a strong silicified marble.</p>	(8)	T	1
680	<p>Pbcs*</p> <p>pale olive green epidote altered biotite chlorite schist</p> <p>BIOTITE MARBLE AND SCHIST: dirty medium green, biotite chloritized talc alteration? with yellow vein flecking towards bottom; garnets to talc 5 mm porphyroblasts.</p> <p>Strong milky quartz veining and segregations with fair yellow carbonate veining.</p> <p>Light grey, fine grained massive-weakly foliated; weak to in places fair quartz; weakly chloritic-micaceous; cut by fair-weak yellow calcite-quartz veinlets.</p> <p>Transition, increasingly micaceous(chlorite)</p>	(10)	10	1
690	<p>Chlorite dolomite marble- dirty, anaemic green, chloritic, massive-weakly foliated slight carbonate when scratched; occasional clear quartz band up to 0.2'.</p> <p>Chloritic biotite quartz schist to quartzite-variable chlorite, quartz content; overall high near top, biotite quartzite bands. Original rock may be biotite quartzite as chlorite in areas with yellow moderately hard 3 mm veining- feldspar? or siderite. Clear quartz lenses up to 0.2' average 0.05' common. May be primary and remobilized. Pale to anaemic medium green colour.</p> <p>0.3' white quartz with patches of quartz pale yellow moderately soft feldspar; cut by 5 mm brown tourmaline? vein.</p> <p>- pale olive green - epidote chlorite biotite schist with pale yellow muscovite and talc quartz carb. alteration</p> <p>0.2' parallel to foliation medium grained quartz monzonite no mafics.</p> <p>- like sample at 670</p>	(10)	T	1
700	<p>0.2' high chlorite with abundant up to 5 mm medium green (talc) ex garnet porphyroblasts.</p>			
710	<p>Pcss*</p> <p>Biotite quartzite: quartz content high; fair up to 3mm garnets partly or completely altered to soft black mineral. Irregular chloritic quartzite bands with garnet.</p> <p>BANDED SKARN AND CALC-SILICATE GNEISS: banded in place massive pale green pyroxene skarn with blebby quartz; also narrow bands and interparting wollastonite and white marble up to 3 mm garnets partly or completely replaced by soft to hard black mineral. In places incipient to 15 mm garnets.</p>	(9)	T	1
720	<p>Pbcs*</p> <p>BIOTITE MARBLE AND SCHIST: siliceous biotite dolomitic marble with garnets and bands of light coloured quartzite, biotite quartzite and pale green chloritic dolomite marble. White quartz segregations up to 0.1'.</p>			

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 13 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

ELEVATION	FOOTAGE	DESCRIPTION	ANALYSIS		
			WO ₃ % (ppm)	ppb Au	ppm Sn
720		Pbcs* BIOTITE MARBLE AND SCHIST continued: pale green altered equivalent. 0.4' aplite: fine-medium grained with coarse quartz-feldspar veining. - epidote pale olive colour, pale carbonate quartz alteration	(2)	T	1
730		biotite-chlorite-epidote-quartz schist Pale green bleached and altered equivalent of biotite marble and schist with chlorite and epidote. Strong foliation; 7-15% biotite high quartz content near intrusives, quartz segregation and veins biotite often altered to chlorite. Minor <0.5' chlorite quartz 'schist' bands. Fair 1/5' up to 0.2' quartz and intrusive segregations. epidote pale olive colour, pale carbonate quartz alteration	(2)	T	1
740		20° foliation - 0.3' porphyry-fine quartz phenocrysts in tan aphanitic matrix. Quartz Monzonite-fine grained, 3% biotite. 50° parallel to foliation 50° parallel to foliation 60° parallel to foliation Quartz monzonite fine grained biotite to 10% feldspars slightly cloudy. Note: chloritization of biotite along cracks, intrusive and veins to chlorite envelope. Hairlike crack with 0.1' irregular biotite Occasional garnets with biotite dolomite marble.			
750		0-10° parallel to foliation Porphyritic biotite quartz monzonite moderate chloritization; 0.2' milky quartz on bottom contact 30° parallel to foliation 70° to foliation White milky quartz with 3 up to 0.2' bands of fine-medium grained quartz monzonite- minor chloritized biotite; feldspars altered cloudy white moderately hard. Irregular 0-30° 0.5' strong biotite Pale dirty green soft quartz low chloritized dolomitic marble? 50° to foliation Biotite quartz monzonite milky quartz and pink k-spar Irregular patches of 5% biotite.	(6)	T	1
760		Interbeds up to 1' of biotite dolomite marble often chloritized.			
770					
780		Dark grey biotite dolomitic marble soft garnets to soft black mineral Silicified marble	(10)	10	1

DRILL HOLE LOG

HOLE No. 79B-3
PAGE 14 OF 14

COORDINATES
ELEVATION
DIP
AZIMUTH

CORE SIZE
HOLE STARTED
HOLE COMPLETED
LOGGED BY

WO₃%
(ppm) ppb
Au ppm
Sn

FOOTAGE

DESCRIPTION

780	•	Psk*	dark green-black green at 781.2'; weak fractures with scheelite - 0.2' biotite dolomite marble at bottom contact.	(225)	T	1
	•	*Irregular Pbcsv	BIOTITE MARBLE AND SCHIST: greenish grey, in places silicified. biotite-epidote-chlorite schist			
	•	Contact broken Kqm*	QUARTZ MONZONITE: grey, medium to coarse grained; fine biotite up to 15%; phenocrysts up to 20 mm common of feldspars. Fractures 3-5/ft with thin film of carbonate. Minor quartz filled fracture with green alteration envelopes.			
	•	Mainly milky quartz minor aplite with fair cloudy feldspars. Scheelite on fracture.				
790	•	*0.3' quartz vein with scheelite.		(28)	T	1
	•	30°-50° fractures. Pale green alteration feldspars soft and pale green - montmorillonite.				
	•	At top aplite with quartz veining - 0.4' followed by bleached quartz monzonite.				
800	•	} Normal with in places weak chloritization scheelite disseminated and fracture.		0.04	10	
	•			(55)	T	1
810	•	} Slight chloritization of biotite and disseminated scheelite cut by 10 mm glassy quartz vein.		1.00	T	
	•	Slight chloritization of biotite; along well fractured zone; disseminated scheelite.		0.04	T	
	•			0.14	5	
820	•	20° fine quartz minor carbonate fracture filling with 0.1 ft chloritization envelope. Minor scheelite.		(50)	T	1
	•	45° quartz-k-spar? veinlet with fracture scheelite.				
	•			60.31	520	
830	•	0.4' 5mm aplite and 45° weak fracture		(4)	T	1
835	•	End of Hole				