2000 HAT Property Diamond Drill Log HT - 1				Hole #:	*HT-1*					
Date Started:		July 19, 2000		Date Finished:	July 24, 2000			Final Depth:		629 feet
Grid location:		114+10N / 0+90E		Inclination:	-50			Azimuth:		180
Core Size:		NQ		Drill Rig:	Long Year 38			Logged By:		XD Jiang
Core Stored At:		200 Range Road, Whitehorse, YT Government core library.								
Drilling Contractor:		KLUANE DRILLING LTD., 14 MacDonald Road, Whitehorse, Y.T. Y1A 4L2								
Location:		On HAT 27 claim, about 600 feet southwest of HAT 27 #1 post.								
Footage										
From (ft)	To (ft)	Width (ft)	Sample #	Description		Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
0.0	**10.0**	**10.0**		Overburden - glacial deposits						
10.0	**24.0**	**14.0**		**ENDOSKARN / DIORITE**, light gray, greenish gray and pinkish green, medium to coarse grained diopside garnet endoskarn, minor local fine grained sedimentary rock inclusions, locally diorite texture well preserved. Moderately fractured, with about 1% fracture filling Mal, Py, Cpy and local Bor. Green Diop alteration halos around fractures and local minor Ep.						
10.0	14.5	4.5	111301	<1% disseminated and veinlet Py and Cpy, local minor Mal stain.		75	0.643	2.6	6	10
14.5	18.5	4.0	111302	medium to coarse graind granodiorite, 1% veinlet and disseminated halo of Py Cpy and Bor, trace Mal. including 1.8 feet relatively unaltered.		185	<0.001	<0.2	<1	2
18.5	24.0	5.5	111303	Gar-Diop skarn, minor Ep, trace disseminated Py Cpy.		5	0.060	0.6	13	6
24.0	**78.0**	**54.0**		**SILTSTONE / DIKES**, skarnified sedimentary rock mostly siltstone intruded by small dioritic to granitic dikes and irregular patches associated with Diop-Gar (Ep) alteration halos, local with Bor-Cpy-Py (Mal) veinlets and disseminated sulphides near alteration halos of veinlets. Less sulphides down hole. The sedimentary rock is locally moderately foliated with biotitic foliations at about 60 degrees to core axis (CA). Locally weakly magnetic.						
24.0	25.5	1.5	111304	Skarnified siltstone, with fracture filling Mal, Cpy and Py, and disseminated sulphides in alteration halos near fractures.		135	0.361	1.8	16	30
31.3	35.0	3.7	111305	including 15-20% intrusive lens and patches, with disseminated Bor, Bor veinlets, minor Cpy Py and Mal stain.		145	0.499	2.4	8	24
35.0	39.0	4.0	111306	40% light green Diop skarn and disseminated sulphides, as above.		1745	0.468	4.6	12	38
39.0	41.8	2.8	111307	30% intrusive lenses, trace to 0.5% disseminated Py Cpy.		10	0.033	0.2	10	8
41.8	46.0	4.2	111308	trace disseminated and veinlet Cpy, 1% disseminated fine grained Py.		5	0.039	<0.2	10	6

Bor - bornite, Cc - chalcocite, Cpy - chalcopyrite, Mal - malachite, Py - pyrite, Po - pyrrhotite, Mo - molybdenite
Gar - garnet, Diop - diopside, Trem - tremolite, Wol - wollastonite, Qz - quartz, Ep - epidote. CA = (degrees to) core axis.

Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
				From 56.5 - 78', more biotitic and well banded to foliated locally, weakly magnetic, local with Py-Po fracture fillings (69-70').					
68.0	70.0	2.0	111309	medium gray fine grained, moderately foliated, 1% disseminated fine grained Py, 0.5% Py-Po veinlets.	<5	0.029	<0.2	71	2
78.0	**101.4**	**23.4**		**DIORITE**, light gray, light greenish gray, medium to coarse grained, local porphyritic with white feldspar phenocrysts of 2-3 mm. Weakly foliated @ 50 CA, upper contact @ 62 CA sharp. Weakly to moderately altered with ghosty irregular light green to pink green patches and mostly along fractures. 1-2% disseminated fine grained Py, Po, weakly magnetic. A few small fractures @ 25-30 CA near lower contact filled with Mo-Bor-Cpy, and minor disseminated halos.					
92.0	95.0	3.0	111310	Moderately foliated dark gray diorite with local bleached light gray to greenish gray - Chl+Trem, 1% Py Po as fracture-fillings and disseminated halos.	<5	0.017	0.2	8	<2
99.5	101.5	2.0	111311	Chl Trem altered, with Mo-Bor-Cpy veinlets near lower contact. High Mo sample.	100	0.358	2.6	931	20
101.4	**162.8**	**61.4**		**GARNET SKARN / SKARNIFIED SILTSTONE**, Gar skarn is coarse grained, Gar as disseminated and irregular patches and bands in white to local light green Diop-Trem, minor Wal. Local with fracture-filling Bor-Cc-Mo veinlets and patches and disseminated, esp. in sample 111313. Siltstone, as intercalated lenses of about 1 meter or less with gradational to local sharp contacts with Gar skarn, gray, greenish gray to purplish gray, fine grained, weakly magnetic, with trace to 1% disseminated fine grained Py Po. Also, some small dikes as below.					
108.5	111.0	2.5	111312	disseminated and irregular patches of Gar with bleached halos in skarnified siltstone, 0.5% Cpy-Bor-Mo veinlets.	<5	0.033	0.2	158	8
117.1	118.0	0.9		diorite - potassium feldspar altered, porphyritic, contatcts @ 45-50 CA with Gar skarn.					
123.0	127.0	4.0	111313	Gar skarn, local vuggy, with fracture filling and irregular patches of Bor-Mo-Cc, minor Qz.	465	1.44	21.6	192	86
127.0	132.0	5.0	111314	Skarnified siltstone, top 1 foot well fractured with 1-2% disseminated Cpy Py, the rest is less mineralized with only hairline fractures and local filled with trace Cpy.	155	0.743	7.2	441	50
137.0	139.0	2.0	111315	Wal-Diop-Gar skarn, coarse grained with Cc (Bor) veinlets, stringers and disseminated patches, 1-2%.	10	0.255	4.4	10	6
153.2	153.5	0.3		pink feldspar finger dike with trace dis Cpy.					

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Gar - garnet, Diop - diopside, Trem - tremolite, Wol - wollastonite, Qz - quartz, Ep - epidote. CA = (degrees to) core axis.

Footage From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
154.7	155.4	0.7		Pink potassium feldspar dike with trace disseminated Mo and Cpy. Contacts @ about 85 CA.					
156.4	159.6	3.2	111316	altered siltstone /graywacke, local Ep alteration associated with 0.5% disseminated Cpy Py. 158.9-159.6 is a quartz-feldspar porphyry dike with minor chloritized mafic minerals, trace disseminated Mo-Cpy-Py, contacts @ 40 CA sharp.	<5	0.167	1.0	62	<2
159.6	162.8	3.2	111317	dark gray fine to medium grained, weak to moderately foliated, strongly biotitic, soft, with about 5% pervasively disseminated Cpy Py, and Cpy veinlets, lower 15 cm rich in Bor near contact with Gar skarn next. Maybe carbonaceous? 80% core recovery, minor ground core.	355	2.87	5.2	18	14
162.8	**185.5**	**22.7**		**GARNET DIOPSIDE SKARN**, local Gar-Wal-Trem skarn, euhedral Gar, coarse grained, some are zoned with darker or lighter cores. local rich disseminated Mo flakes blebs sometimes associated with Bor.					
162.8	165.5	2.7	111318	Gar-Diop skarn, 1-2% disseminated Bor. In lower 1 foot about 0.5% dis Mo.	165	0.457	4.0	308	12
165.5	170.0	4.5	111319	Gar-Diop-Wal skarn, lower half of sample with about 1% disseminated Bor Mo.	90	0.113	1.8	420	18
170.0	173.8	3.8	111320	Gar-Diop-Wal skarn, about over 1% disseminated Mo.	<5	0.005	0.6	760	8
181.3	182.8	1.5	111321	Diop skarn-siltstone lens, 1-2% disseminated very fine grained Py, trace Cpy.	35	0.095	1.2	109	8
182.8	185.5	2.7	111322	Gar skarn, with trace disseminated Bor Mo.	25	0.036	1.0	35	6
185.5	**189.5**	**4.0**	111323	**SILTSTONE**, skarnified, greenish gray, fine grained, minor Diop skarn at lower end, 1-2% disseminated very fine grained Py Cpy. Contacts gradational from Diop skarn into next coarse grained Gar skarn.	15	0.106	0.8	100	6
189.5	**191.3**	**1.8**	111324	**GARNET DIOPSIDE SKARN**, coarse grained, with trace disseminated Cpy Py.	40	0.115	1.0	52	10
191.3	**193.5**	**2.2**		**GRAYWACKE**, greenish gray, fine to coarse grained, skarnified, with feldspar ghosty grains, trace to 0.5% disseminated and fracture filling Py Cpy Bor.					
193.5	**197.0**	**3.5**	111325	**SILTSTONE**, skarnified, dark purplish brown, fine grained, with 1% disseminated Py, trace Cpy along fractures.	10	0.061	0.4	28	<2
197.0	**204.5**	**7.5**		**GARNET DIOPSIDE SKARN**, brown to greenish brown, coarse grained, moderately vuggy, local with well disseminated Mo Bor mineralization up to 1 foot width.					
197.0	200.0	3.0	111326	see above.	<5	0.012	0.4	61	<2

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Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
200.0	204.5	4.5	111327	1-2% Mo Bor.	160	0.327	3.6	1255	44
204.5	**214.5**	**10.0**		**GRAYWACKE / SILTSTONE / GARNET SKARN**, grayish green, fine to coarse grained, strongly altered, with coarse grained ghosty feldspar, but contain some irregular shaped inclusions of purplish fine grained skarnified siltstone and garnet skarn lens (212.3 - 214) with disseminated and fracture filling Cpy Py Mo 1-2%.					
204.5	210.0	5.5	111328	see above.	40	0.298	1.4	73	10
210.0	214.5	4.5	111329	see above.	30	0.186	1.4	66	8
214.5	**221.0**	**6.5**	111330	**SILTSTONE**, purplish green, fine grained, weakly foliated @ 45 CA, 1-2% disseminated very fine grained Py, and Py Cpy along fractures, lower end one foot with minor Qz vein and 2% Cpy. 215.5 - 216.5 is feldspar porphyritic dike with 3% disseminated and fracture filling Cpy Py Mo.	40	0.422	1.6	219	6
221.0	**225.5**	**4.5**	111331	**GARNET (DIOPSIDE) SKARN**, brown to grayish green, medium to coarse grained, locally vuggy, from 224 to 225 including 20% Qz vein with 3% Bor, 1% Cpy and 0.5% Mo.	1415	0.984	9.4	451	106
225.5	**233.7**	**8.2**		**GRAYWACKE /DIOPSIDE SKARN**, grayish green, fine to coarse grained, with ghosty white feldspars, in grayish green chloritic and diopside matrix, 1% disseminated fine grained Py, local Cpy. Local minor Gar patches and some purplish gray siltstone patches.					
225.5	230.0	4.5	111332	see above.	80	0.278	1.6	69	12
230.0	233.7	3.7	111333	see above.	80	0.077	0.8	308	10
233.7	**234.9**	**1.2**	111334	**GARNET SKARN**, greenish brown, coarse grained, calcareous, >0.5% Mo, trace Bor, Cpy.	15	0.074	0.2	1435	10
234.9	**244.3**	**9.4**		**SKARNIFIED SILTSTONE**, greenish brown to purplish brown, fine grained, moderately fractured, local bleached feldsparthic arkose /graywacke lenses, 238.5 - 239.4 is a coarse grained Gar skarn lens with about 1% Mo, minor disseminated Cpy and Py.					
234.9	240.0	5.1	111335	see above.	95	0.233	1.8	501	12
240.0	244.3	4.3	111336	1-2% fracture-filling and minor disseminated Cpy Py, especially in lower half of sample. Local bedding (?) @ 45 degrees to core axis.	60	0.487	2.2	48	4
244.3	**250.6**	**6.3**		**GARNET DIOPSIDE SKARN**, white and brown, greenish brown, coarse grained, including 0.5 foot rich with fracture-filling and disseminated Bor, Cpy and Mo. Lower end trace Bor, calcareous.					
244.3	248.5	4.2	111337	see above.	110	0.304	2.6	720	14

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Footage From (ft)	Footage To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
250.6	**255.5**	**4.9**		**DIOPSIDE SKARN / SILTSTONE**, grayish green, fine grained, a fault zone, fractures at low core angle about 10 degrees, 2-5mm light green fault clay. Top one foot with 2-3% disseminated and fracture-filling Bor and Cpy.					
250.6	255.0	4.4	111338	see above.	225	0.332	2.8	222	34
255.5	**266.8**	**11.3**		**SKARNIFIED SILTSTONE**, purplish gray to greenish gray, fine grained, with trace to 1% disseminated very fine grained Py, local trace Cpy in halos of bleached portions or near fractures. Contacts gradational.					
266.8	**270.0**	**3.2**		**GARNET SKARN**, white and brown, coarse grained garnet tremolite skarn, trace Py.					
270.0	**276.8**	**6.8**		**SKARNIFIED SILTSTONE**, greenish gray to purplish gray, fine grained, with trace disseminated Bor and Cpy near upper end, and about 1% disseminated fine grained Py and trace Mo near lower end.					
276.8	**279.6**	**2.8**		**GARNET SKARN**, light brown, coarse grained, local calcareous, trace disseminated Mo blebs.					
279.6	**283.5**	**3.9**		**SKARNIFIED SILTSTONE**, greenish gray to purplish gray, fine grained, bedding (bands) @ 50 CA, trace disseminated very fine grained and fracture-filling fine grained Py Cpy, lower end trace Mo.					
283.5	**293.5**	**10.0**		**GARNET SKARN**, white and brown, coarse grained garnet tremolite skarn, trace Py, disseminated Mo blebs and Mo veinlets common, local with trace Bor, 291 - 292.5 is a strongly altered sandstone lens with <1% disseminated Py Cpy. Locally banded @ 40 CA.					
289.8	293.0	3.2	111339	see above.	35	0.120	1.2	1215	8
293.5	**295.5**	**2.0**		**SKARNIFIED SILTSTONE / GRAYWACKE**, light green, fine to medium grained, with Mo blebs along fractures. Contacts @ about 40 CA.					
295.5	**301.0**	**5.5**		**GARNET DIOPSIDE SKARN**, white and brown, greenish brown, medium to coarse grained, garnet tremolite diopside skarn, with trace disseminated Mo. Including two fine to medium grained sandstone lenses; lower end incl. a 3 inch Qz and pink feldspar dikelet @ 37 CA.					
301.0	**315.7**	**14.7**		**SKARNIFIED SILTSTONE**, greenish purple, fine grained, intruded by a couple of dikelets: a 5 inch granitic dike at 305.5 feet @ 45 CA; and a 4 inch granodioritic dike at 307.5 feet @ 35 CA.					

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Footage From (ft)	Footage To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
315.7	**333.4**	**17.7**		**GARNET DIOPSIDE WOLLASTONITE SKARN**, brown and white, coarse grained, trace sulphide. 331.3 - 332.6 is a light green fine grained skarnified siltstone /sandstone lens. Lower contact weathered, vuggy with calcite, at about 60 CA.					
333.4	**356.0**	**22.6**		**ENDOSKARN**, greenish gray, light green to light brown, medium to coarse grained, intrusive texture, possibly granodiorite, most feldspars being altered to brownish color in finer grained diopside tremolite matrix, all mafic minerals are replaced by chlorite and diopside and tremolite, with ghosty boundaries. a few small Mo and Bor-Mo-Cpy fracture filling veinlets at about 25 to 30 CA. The lower half is more altered with coarse grained wollastonite up to 1 cm long, moderately mineralized with up to 1% disseminated Bor and Cpy. There is a 1 ft dark purple gray siltstone inclusion lens at 350 feet.					
336.5	340.0	3.5	111340	0.5% fracture filling Bor and Mo.	10	0.087	2.2	75	10
340.0	344.0	4.0	111341	less mineralized, but alteration getting stronger downhole.	5	0.007	0.4	8	6
344.0	347.0	3.0	111342	1.5% disseminated Bor, Cpy and trace Mo blebs. Wol rich.	120	0.154	1.8	181	18
347.0	350.0	3.0	111343	0.5% disseminated Bor, Cpy and trace Mo. Wol rich.	340	0.284	2.0	75	32
350.0	353.5	3.5	111344	<0.5% disseminated Cpy Bor and trace Mo. Wol rich.	125	0.156	1.4	24	18
353.5	356.0	2.5	111345	<0.5% Bor as fracture filling and disseminated halos near fractures. Lower contact sharp @ 30 CA.	40	0.055	1.4	11	2
356.0	**370.3**	**14.3**		**SKARNIFIED SILTSTONE**, purple to purplish green, fine grained, banded (bedding?) @ 40 CA, weakly to moderately magnetic, with 1-2% disseminated and veinlet Py and Po, trace local Cpy. Lower end 3 ft is fine to medium grained sandstone. Interval includes 15-20% irregular intrusive fingers and patches, mostly feldspathic (FP) porphyritic, near lower end is a 4 inch coarse grained light gray graphic Qz-feldspar (QFP?) dike at about 20 to 25 CA.					
356.0	359.5	3.5	111346	about 1% disseminated fine grained Py. 25% intrusive.	5	0.033	1.0	61	6
359.5	362.0	2.5	111347	2-3% disseminated and veinlet Py Po and Cpy.	10	0.027	1.6	41	2
367.3	370.3	3.0	111348	1% disseminated Py trace Cpy. Siltstone and sandstone contact at 367.3 is about 45 CA.	<5	0.007	0.8	11	<2
370.3	**386.5**	**16.2**		**GARNET DIOPSIDE WOLLASTONITE SKARN**, brown, greenish brown and white, coarse grained, trace sulphide. intercalated with local fine grained diopside skarn-siltstone lenses. Local trace Mo blebs.					

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Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
386.5	**403.0**	**16.5**		**SKARNIFIED SILTSTONE**, purplish, fine grained, weakly magnetic, trace to 1% disseminated very fine grained Py Po. local minor coarse grained brown garnet skarn lenses. At 387 is a 5 inch coarse grained Qz-feldspar vein @ 50 CA, cockscomb structure along vein wall and graphic texture inside. At 397.5 is a 5 inch greenish gray fine to coarse grained dioritic porphyry dikelet @ 40 CA.					
400.8	403.0	2.2	111349	1% disseminated very fine grained Py in local moderately bleached portion.	5	0.023	1.4	17	2
403.0	**410.7**	**7.7**		**GARNET DIOPSIDE WOLLASTONITE SKARN**, light greenish brown and white, coarse grained, some Wol up to 2-3 cm long. At 407.2 ft is a 5 inch irregular shaped pink feldspar patch, weakly mineralized with disseminated Bor and Cpy. From 408.1 ft mineralization getting stronger downhole with disseminated Bor Cc patches.					
403.0	405.0	2.0	111350	trace disseminated Bor, Cpy.	10	0.091	1.6	27	6
405.0	408.1	3.1	113801	trace disseminated Bor, Cpy.	20	0.027	1.6	1	6
408.1	410.0	1.9	113802	2% disseminated Bor, Cc patches.	320	1.17	10.8	3	52
410.7	**418.4**	**7.7**		**WOLLASTONITE DIOPSIDE SKARN**, white and green, very coarse grained, only trace garnet, moderately to local well foliated @ 60-70 CA. Heavily mineralized with pervasive disseminated and massive patches and blobs of Bor and Cc. 10-15% Bor and Cc, minor Cpy and Mo.					
410.0	414.1	4.1	113803	see above.	1370	6.07	55.0	2	312
414.1	418.4	4.3	113804	see above.	1240	6.77	55.0	5	368
418.4	**422.9**	**4.5**	113805	**GARNET (DIOPSIDE) SKARN**, brown to greenish brown, coarse grained, massive garnet skarn in top half, garnet-diopside skarn in lower half, lower end 0.5 ft wollastonite diopside skarn. Minor calcite Qz irregular vein patches. 2-3% disseminated and veinlet Bor and Cc, minor Cpy and Mo.	240	0.992	9.0	1	54
422.9	**435.5**	**12.6**		**BRECCIATED ENDOSKARN**, light gray and purplish blue and green, coarse grained, heavily mineralized, brecciated endoskarn - possibly granodiorite as mosaic to rubble breccia cemented by massive 15% (local 25%) Bor and Cc and minor Cpy and Mo. Local include white wollastonite-calcite-(Qz) patches up to 6 inches. From 430.6 to 431.8 and 434.7 to 435.5 ft are two light brown garnet skarn lenses relatively less mineralized than brecciated endoskarn. At 432.3 ft is a 0.5 ft brecciated Qz patch cemented by Bor Cc Cpy and Mo. Mineralization also as dissemination in skarn.					

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Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
422.9	427.0	4.1	113806	20% Bor, Cc, 1% Mo.	1390	9.64	85.8	497	508
427.0	429.5	2.5	113807	20% Bor, Cc, 1% Mo.	1920	11.25	87.6	228	602
429.5	431.8	2.3	113808	15% Bor, Cc, 2% Cpy, trace Mo.	1575	8.63	61.2	8	406
431.8	435.5	3.7	113809	5% Bor, Cc, 1% Cpy, trace Mo.	1365	5.62	36.2	251	270
435.5	**441.7**	**6.2**		**DIOPSIDE TREMOLITE SKARN**, light green, fine to medium grained, looks like a feldspathic dike (? or graywacke). Lower contact irregular at about 60 CA. 1-2% disseminated and fracture filling Bor, Cc and minor Cpy.					
435.5	440.0	4.5	113810	see above.	80	0.295	2.0	12	20
440.0	442.7	2.7	113811	see above. Lower end 1 ft is marble garnet diopside skarn, vuggy with calcite crystals in vugs, with 1-2% disseminated Cpy Bor. (sample crossed geological boundary)	515	0.874	6.0	127	48
441.7	**447.8**	**6.1**		**MARBLE (limestone) GARNET SKARN**, brownish green and white, medium to coarse grained, top end is vuggy well mineralized with 2-3% disseminated Cpy Bor and Cc. 442.7 - 444.9 ft is vuggy, local broken, trace disseminated Bor. 444.9 - 447.8 ft is fairly pure marble, lower end vuggy with diopside, trace local black copper on fractures. lower contact with a 3 inch dioritic dikelet at about 60-70 CA.					
442.7	444.9	2.2	113812	see above.	5	0.024	0.6	3	6
444.9	447.8	2.9	113813	see above.	<5	0.007	2.2	5	<2
447.8	**453.7**	**5.9**		**DIOPSIDE SKARN**, greenish gray, fine to medium grained, possibly mudstone or siltstone. With three small 4-5 inch vuggy green marble skarn lenses, and two dioritic dikelets of 3 and 6 inches contacts at 60 CA mineralized with 1-2% fracture filling Cpy and Bor. Over all, trace to 1% disseminated Py Cpy and Bor.					
447.8	451.3	3.5	113814	see above.	<5	0.064	0.6	4	8
451.3	453.7	2.4	113815	see above.	15	0.189	1.2	15	2
453.7	**459.9**	**6.2**		**SKARNIFIED QUARTZITE**, light purplish brown, fine to medium grained, weakly foliated at 55 CA. With disseminated secondary biotite blebs. Trace disseminated fine grained Py. Lower contact sharp @ 15 CA.					
459.9	**467.0**	**7.1**		**GRANITE PORPHYRY**, light pink, medium grained, porphyritic with white feldspar phenocrysts 1-2mm in finer grained pink feldspar-Qz. Trace dark grayish green chloritized mafic minerals. Trace Cpy, Bor and Mo on rare fractures. Lower contact sharp @ 15 CA with garnet skarn next.					

Bor - bornite, Cc - chalcocite, Cpy - chalcopyrite, Mal - malachite, Py - pyrite, Po - pyrrhotite, Mo - molybdenite
Gar - garnet, Diop - diopside, Trem - tremolite, Wol - wollastonite, Qz - quartz, Ep - epidote. CA = (degrees to) core axis.

Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
467.0	**470.2**	**3.2**		**MARBLE GARNET DIOPSIDE SKARN**, brownish green, medium to coarse grained, vuggy and broken, moderate to strongly calcitic.					
470.2	**478.7**	**8.5**		**GRANODIORITE**, light pinkish green, medium to coarse grained, chloritized mafic minerals, local weak Ep altered, with 20-30% dark gray irregular fine grained siltstone inclusions. Lower contact @ 25 CA.					
478.7	**497.5**	**18.8**		**GRANITE**, light pink, medium to coarse grained, massive and homogeneous, 5-10% dark green chloritized hornblende and minor black biotite flakes. Trace Py. Only one frcture at 494 ft @ 15-20 CA with trace Cpy fillings.					
497.5	**531.0**	**33.5**		**SKARNIFIED SILTSTONE / QUARTZITE / DIKES**, greenish gray, fine to medium grained, top 3 ft minor fracture filling Cpy. Intruded by several small dikes, mostly dioritic, and one pink granitic dike. Local small marble lenses at 504 and 510 ft. 499.5-500.2 ft is a dioritic dike with trace fracture filling Cpy. 502.4-503.7 is another dioritic dike. at 516 ft is a 6 inchlight pink granitic dike with irregular contact. at 517.5 ft is a 4 inch greenish gray dioritic dike @ 75 CA. 527.3 - 530.2 is a gray coarse grained dioritic dike with contact @ about 80 CA.					
497.5	502.4	4.9	113816	1-2% disseminated fine grained Py, trace fracture filling Cpy.	15	0.135	1.0	42	6
531.0	**548.3**	**17.3**		**GARNET DIOPSIDE TREMOLITE (WOL) SKARN**, brown, green and white, coarse grained, local trace Cc, Bor and Mo. Lower contact @ 60 CA. 537.7 - 538.3 is a purple alkalic feldspar dike @ about 80 CA. 544.9 - 547.3 is a greenish pink mafic syenitic dike, medium to coarse grained, rich with pink potassium feldspars, Ep altered, 20-30% chloritized mafic minerals, trace to 0.5% disseminated Py, trace Cpy and Mo, lower contact @ 60 CA.					
544.9	547.3	2.4	113817	see above.	<5	0.018	0.6	43	6
548.3	**555.0**	**6.7**		**MARBLE (LIMESTONE)**, grayish white, medium grained, fairly pure marble, with minor dark gray to black ghosty impurity patches, local trace fine hair line fracture filling Cc (Bor) and disseminated Cpy. Lower end 3 inch heavily mineralized with Bor and Cc. Lower contact @ 65 CA.					
550.0	554.5	4.5	113818	see above, trace fracture filling Cc and Bor.	<5	0.037	3.0	4	<2
555.0	**557.8**	**2.8**		**GARNET DIOPSIDE SKARN**, greenish brown, coarse grained, local Gar-Wol skarn, one foot in the middle strongly mineralized with 20% Bor and Cc.					

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Footage									
From (ft)	To (ft)	Width (ft)	Sample #	Description	Au ppb	Cu %	Ag ppm	Mo ppm	Bi ppm
554.5	557.8	3.3	113819	see above.	910	7.22	74.2	3	420
557.8	**564.5**	**6.7**		**MARBLE / GARNET SKARN**, white and gray, medium grained, upper 3 feet moderately mineralized with disseminated patches of Bor and Cc, trace hair line fracture filling Cc (Bor) near top.					
557.8	560.0	2.2	113820	see above.	25	0.233	4.8	6	10
564.5	**565.8**	**1.3**		**GARNET DIOPSIDE WOLLASTONITE SKARN,** greenish brown, coarse grained, no mineralization. lower contact @ 25 CA.					
565.8	**570.4**	**4.6**	113821	**GRANITIC DIKE / ENDOSKARN,** pinkish green, medium to coarse grained, K-spar altered, moderate to strong Chl-Ep alteration, trace disseminated Py Cpy and Bor.	5	0.040	0.4	90	12
570.4	**576.0**	**5.6**		**GARNET DIOPSIDE WOLLASTONITE SKARN,** greenish brown, coarse grained, no mineralization. lower contact @ 55 CA.					
576.0	**582.3**	**6.3**		**GRANODIORITE,** greenish gray, medium to coarse grained, chloritized mafic minerals, Ep altered. Intruded by pinkish green mafic alkalic dikelets at 579.7 ft and 580.4 - 581 ft, weakly mineralized with disseminated fine grained Py, Cpy and Mo.					
579.5	582.3	2.8	113822	see above.	10	0.050	0.6	45	6
582.3	**615.0**	**32.7**		**GARNET DIOPSIDE SKARN, GARNET TREMOLITE WOLLASTONITE SKARN,** brownish green, coarse grained, local trace disseminated Bor and Mo.					
615.0	**621.1**	**6.1**		**SKARNIFIED SILTSTONE / DIORITIC DIKES,** purplish brown fine grained skarnified siltstone with trace to 1% disseminated fine grained Py, intruded by irregular patches and fingers of dioritic dikes accounting about 50% of interval.					
621.1	**626.3**	**5.2**		**GRANODIORITE,** greenish gray, medium to coarse grained, fairly fresh and unaltered, only top and lower ends are bleached and Ep altered. Trace disseminated Py. Lower contact @ about 75 - 80 CA.					
626.3	**629.0**	**2.7**		**GARNET SKARN,** light brown, medium to coarse grained, moderately calcareous, including two 2-inch granitic dikelets. No mineralization.					
629.0				**END OF HOLE.**					

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Gar - garnet, Diop - diopside, Trem - tremolite, Wol - wollastonite, Qz - quartz, Ep - epidote. CA = (degrees to) core axis.