

Swakum Mtn.

800510

92I/2

SAMPLES SUBMITTED TO J. R. WILLIAMS  
MAY, 1952

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Hole No.	Sample No.	Footage	Actual Footage	% $W_3$	% Cu.
28	5270	98-140	42'	Tr	
30	5271	20'6"-44'6"	24'	0.01	
-36	5272	18'48"-25'42'8"	9'	0.07	1.10
-32	5273	107-107'3'6"	3'6"	0.43	1.50
34	5274	1'6"-8'4'1'6"	8'	0.09	
38	5275	58'2-67'3'9"	10'9"	0.13	
38	5276	67'3'9"-84'6"	13'9"	0.13	
38	5277	88'2'-103'6"4'10"	14'4"	Tr	0.35
38	5278	103'6"-116'4'1'6"	13'2"	0.09	
38	5279	116'4'1'6"-126'4'10'6"	19'	1.54	0.25
38	5280	126'4'10'6"-158'4'	25'6"	0.60	0.50
39	5281	49'4'5'6"-77	12'6"		
39	5282	80'4'9'6"-101'4'	15'6"		
39	5283	167'4'9"-187'4'	20'3"		
38	5284	168'4'4"-188'4'3'	19'		
38	5285	260'6"4'1'3"-276	14'3"		
40	5286	184'6"4'1'6"-194'6"4'2'6"	11'		
40	5287	259'4'13"-264'	3'9"		
32	5288	156'-160'4'2'6"	6'6"		
32	5289	170'6"-175'4'1'	5'6"		
39	5290	262'-265'6"	3'6"		

SAMPLES SUBMITTED JULY 3, 1952

<u>Hole No.</u>	<u>Footage</u>	<u>Length</u>	<u>% Zn</u>	<u>% Cu</u>	<u>% WO<sub>2</sub></u>	<u>Sample No.</u>
40	343'6" $\neq$ 3'6" - 349' $\neq$ 1	3'	4.50	0.70	-	5291
41	53' - 53' $\neq$ 2'	2'	-	1.00	0.08	5292
41	61' $\neq$ 3'9" - 69'	4'3"	-	-	Tr.	5293
41	71'6" $\neq$ 6" - 85'	13'	-	-	0.12	5294
41	85' - 95'6"	10'6"	-	-	0.02	5295
41	95'6" - 105' $\neq$ 1'	10'6"	-	-	0.02	5296
41	105' $\neq$ 1 - 115'6" $\neq$ 1'6"	11'	-	-	0.02	5297

<u>Hole No.</u>	<u>Dip</u>	<u>Length</u>	<u>Remarks</u>
1	-30°	122' (105.6)	Starts in zone - showings of scarn - looks like end of zone. Possibly fault scarp.
2	-30°	119' (103.06)	Disseminated Scheelite, between 30' and 100' not commercial. H.W. of garnetite at 95.5'
3	-30°	121' (104.8)	Disseminated by v.l.g. contact of l.s. & garnetite at 77.6'
4	-30°	131' (113.5)	Dyke 28'-36.8'. Qtz vein 65-68. L.s. at 84
5	-30°	103' (89.2)	Contact greenstone & garnetite 28.8' & H.W. L.S. at 58.5'
6	-30°	102' (88.3)	L.s. H.W. contact at 62.5'
7	-30°	110' (95.3)	L.s. H.W. at 66'
8	-30°	106' (91.8)	L.s. H.W. at 96.5 g.s. F.W. at 54.5'
9	-60°	221.6'(110.8)	Hole started in garnetite last 2.5' in l.s. 1.6 to 8.1' ran .23% 1.6 to 2.6 abundant scheelite
10	-55°	217'(124.5)	Finished in scarn showed much hematite along seams of rock.
11	-50°	113'(72.64)	
12	-45°	50'(35.3)	

HOLE NO. 1  
0-122 @ - 30°

0-28

	10"	Skarn - altered ls.- mainly pyroxene minerals with traces of garnetite
5'	4'1"	
	<hr/>	
	0 to 1'4"	Volcanics - greenstone
10	1'5" to 5'	- do -
14'		
	<hr/>	
	5'	- do -
	<hr/>	
	5'	- do -
23		
	<hr/>	
	3'	- do -
26		
	<hr/>	
	2'	- do -

28 to 54

	5'	Fine grained volcanics, heavy in pyrrhotite - greenstone
	<hr/>	
	2'7"	
39	2'4"	- do -
	<hr/>	
	1'0"	- do -
43'	2'0"	Calcareous rx containing considerable epidote
45'	2'0"	- do -
	<hr/>	
	5'	- do -
	<hr/>	
	5'	- do -

54 to 81

	2'7"	- do -
57'	2'4"	- do -
	<hr/>	
	5'	- do -
	<hr/>	
	2'7"	- do -
66	2'4"	Gs
	<hr/>	
	3'6"	- do -
75	1'5"	- do -
	<hr/>	
	2'5"	- do -
79	2'6"	- do -



81 to 103

	1'1"	Gs.
82	1'8"	Gs.
83	2'1"	Gs.
	2'6"	Gs.
87	1'11"	Gs.
	1'0"	Gs.
90'	2'11"	Gs.
93'	11"	Gs.
	1'11"	Gs.
96'	1'2"	Gs.
	1'5"	Calcareous band
99'	4"	Gs.
	3'10"	Gs.
103'	3'1"	Gs.

103 to 122

	5'	Gs.
	1'2"	Gs.
110'	2'2"	Gs.
	9"	Calcareous rx with abundant epidote.
113.5'	9"	Greenstone
	2'5"	Greenstone
116	2'6"	Greenstone
	1'9"	Greenstone
120	3'2"	Greenstone
<del>120</del>	1'0"	Greenstone

Note: It would appear that the hole was 124'2" long - furthermore the logging does not check with the other information in hand.

HOLE NO. 2  
0-119 @ - 30°

0-39'

Dyke/Gs. 5'	4'11" 1"	Dyke Skarn
	9'10"	Gs.
24'	3'0"	Gs.
26'		
27'	5'	Gs.
	1'2"	Gs.
27.5'	1'9"	Gs.
30.2'	6"	Gs.
30.5'	1'4"	Gs.
	1'4"	Gs.
34'	7"	Gs.
	1'0"	Qtz. vein
36.5'	1'5"	Skarn - altered ls. chips
(Gs. skarn contact 34'7")		

39 to 64

	6"	Stratified ls.	
39.5'	1'5"	"	
	3'	Skarn - mainly pyroxene with calcite and some garnetite	Fairly heavily disseminated with scheelite.
	4'5"	- do -	Sparsely disseminated through- out.
49	6"	- do -	
	1'8"	Skarn - mainly garnetite	6 to 2'11" heavily disseminated
51'	3'3"	- do -	4 to 5' fairly heavily disseminated.
	1'8"	Skarn mainly garnetite	
	2"	Calcite stringer	Fairly heavily disseminated from 0 to 2', 4'6" to 5' and from 2'6" to 2'9"
	4"	Skarn mainly garnetite	
	2"	Calcite stringer	
	5"	Skarn mainly garnetite	
	7"	Calcite stringer	
	1'8"	Garnetite	
	5'	Skarn - heavy in pyrox. and showing some garnetite	Sparsely disseminated through- out.

64 to 86

67'	3'3"	Garnetite	Sparsely disseminated throughout
	<u>1'8"</u>	Garnetite	
	1'4"	Garnetite	
	1'	Skarn-pyroxene minerals mainly - oxidized along fractures	Sparsely disseminated from 0 to 1'6"
70'	<u>2'7"</u>	- do - with some garnetite	
	5'	Skarn - mainly pyroxene minerals with some garnetite - heavily oxidized along fractures.	
	<u>2'7"</u>	Skarn - heavy in pyroxenes with some epidote and iron sulphide.	Speck at 3'6"
	2'4"	Skarn - mainly pyroxene minerals.	
	<u>2'7"</u>	- do -	
83.5	2'4"	- do -	

86 to 109

Dyke/Skarn	87'6"		
	1'6"	Fine grained greyish black rx-dyke?	
	3'6"	Skarn - heavy in epidote mainly pyroxene minerals heavy in epidote	
	<u>2'4"</u>	- do -	
	1'5"	Garnetite heavy in calcite	Speck of scheelite at 1'4"
	1'2"	Skarn - mainly pyroxene minerals with abundant epidote.	
	<u>2'</u>	- do -	
	3"	Altered ls. with some epidote - mainly altered ls.	
	<u>5'</u>	- do -	
	<u>5'</u>	- do -	

109 to 119

Skarn/Ls.	109'		
	3'5"	Ls.	
112.5	<u>1'6"</u>	Ls.	
	5'0"	Ls.	

HOLE NO. 3  
 0-121 @ -30°

0 - 33

	5'	Dyke	
	2'7"	Dyke	
16'	2'4"	Dyke	
	3'8"	Dyke	
Dyke/Skarn 21'	1'4"	Skarn - pyrox. with some garnetite	
	1'6"	"	
245	3'5"	" chips	
	5"	"	
28'	3'10"	"	0-6" sparsely disseminated
Skarn/dyke 29'	8"	Dyke	
		Qtz. vein	
<u>33' - 57'</u>			
	5'	Dyke	
	9"	Mud-heavily weathered oxidized ex.	1-2" to 2'11" sparsely disseminated
Dyke/skarn 38'	2'1"	Skarn-mainly pyrox.	Speck at 54"
	3"	Calcite seam	
41	1'10"	Skarn-mainly pyrox. minerals heavy in calcite	
	10"	Skarn- mainly pyrox.	2 specks at 1'
43	2'6"	Skarn-mainly pyrox. showing some garnetite.	2 specks at 2'2"
			2'9" to 3' sparsely disseminated
46	1'6"	"	Scheelite
	2'	Skarn chips - mainly pyroxene minerals	Speck of scheelite at 4'7"
49	2'11"	Skarn-garnetite heavy in calcite with some iron sulfide.	
	3'3"	Skarn-garnetite with some iron sulfide	0-6" sparsely. 2'-4 to 3' spars
Skarn/dyke 55	1'8"	Greyish black fine grained ex-dyke (?)	

Dyke/Skarn 57' 5'

	3'
65.5	2'
	2'
70'	3'

Skarn/Ls

	4'6"
77'6"	6"
	5'

83 to 109

	2'
85'	3'
	2'
90.5'	1'3"
93	8"
	2'
97	3'
	2'6"
103	2'6"
	5'

Skarn-mainly garnetite  
with some pyroxene minerals

"  
"  
"  
"

0-3'-7" sparsely disseminated.  
1'10" to 2'5" fair dissemination

0-1'9" very sparsely disseminated.  
1'9" to 2'2" fair dissemination

3'4" to 4'3" fairly well disseminated

Skarn-mainly pyrox.with  
some garnetite

Ls - altered (skarn)

Ls with some iron sulfides-  
altered (skarn)

0 to 10" fair dissemination  
2 to 2'2" sparsely diss.  
4'8" to 5 " " " " speck at 3'9"

Ls Altered (Skarn)

Ls " "  
Ls " "  
Ls " "  
Ls " "  
Ls " "  
Ls " "  
Ls " "  
Ls " "  
Ls " "

Speck at 2'10"  
Specks at 4' - 4'6"

Sparsely disseminated  
from 2'2" to 2'10"  
Speck at 1'5"

Fairly well disseminated  
from 4'8" to 4'9"

Fair dissemination from  
2'9" to 2'10"  
Speck at 4'4"

(Note: Ls must be altered as it carries scheelite)

109 to 121

	2'9"	Qtz. vein	
112	2'2"	Silicified limestone	
<hr/>			
	3'2"	"	6" to 1' fairly heavily disseminated with scheelite.
116	1'9"	"	Speck of scheelite at 4'6"
<hr/>			
	2'	Skarn?-altered l.s. showing traces of epidote. For the most part l.s. was unaltered	
	3"	Skarn - l.s. carrying 30% chalcopyrite	
Skarn/Ls. 120'	10"	L.s.	
121.			

HOLE NO. 4

0-131' @ - 30°

0-28

	<u>5'</u>	Gs	
	7'	1'7"	Gs
	9'	11"	Gs
	17'	2'4"	Gs
Greenstone skarn contact at 13'6" or 13'	<hr/>		
	1'0"	Skarn - Altered ls. heavy in calcareous material & pyroxene - some iron sulfide (pyrrhotite)	4'10" to 5' sparsely disseminated
14'	3'11"	Skarn - mainly pyroxene & heavy in epidote. Some garnetite - fair concentration of iron sulfide masses (pyrite & pyrrhotite)	
	<hr/>		
	1'4"	- do -	5' to 8" heavily disseminated speck at 20".
19'	3'7"	Garnetite heavy in well formed calcite, 1/2" mass at 56" some iron sulfides	
	<hr/>		
	8"	Garnetite	1'7" to 2' heavily disseminated
	2"	Calcite X l.s. with traces of garnetite and pyroxenes	
	2"	Garnetite	
	5"	Calcite X l.s. with some well developed garnet X l.s. (1/8")	
	<hr/>		
	11"	Garnetite with some pyroxene	2'8" to 2'11" very heavily disseminated.
	1'7"	Garnetite but showing a fair amt. of pyroxenes and considerable calcite. Some iron sulfide.	Speck at 54"
	<hr/>		

28-52

	5'6"	Altered l.s.(?) Greyish green in color with inclusion which appears somewhat like epidote - soft. Previously termed dyke ex.	
<u>Dyke? 28' to 37'</u>			
	3'	Dyke	
	2'	Garnetite	3' to 5' sparsely diss.
	<hr/>		
	38'	4'11"	Garnetite
	42'	10"	Garnetite
			0-4'11" fair dissemination of scheelite
			4'11" to 5' sparsely diss. minute xls scheelite

	1'4"	Skarn - garnetite showing considerable chalcopyrite	Sparsely disseminated throughout.
	2'5"	Garnetite showing small amts. of chalcopyrite disseminated throughout. Malachite evident at 45'10"	
	1'2"	Skarn - altered l.s. heavy in calcite and pyroxene minerals. Considerable amt. of iron sulfide	Extremely heavy dissemination from 4' to 5'
	<hr/> 3'4"	Skarn - altered l.s. heavy in calcite X l.s. with some pyroxene. Showing some chalcopyrite disseminated throughout	Extremely heavy dissemination from 0 to 2'9"  Heavy dissemination from 2'9" to 5'
	1'8"	Garnetite showing pyrite, pyrrhotite and chalcopyrite disseminated throughout.	
<u>52-85</u>	<hr/> 8"	Garnetite	Fair dissemination from 2'10" to 4'
	52.5'		
	3'3"	Garnetite with some calcite and disseminated iron sulfide	Sparsely disseminated from 0 to 2'10"
	<hr/> 4'0"	- do -	Heavily disseminated throughout.
	2'0"	Altered skarn ls altered to garnetite and pyroxene and heavily silicified	Extremely heavy from 0 to 1'4" and from 4' to 4'6"
	<hr/> 10"	Skarn - ls altered and slightly silicified. Heavy in chalcopyrite and malachite	Sparsely disseminated throughout. Heavy from 0 to 10" and from 2'1" to 2'7"
	65'		
	3'2"	Quartz heavily oxidized and slightly leached. Some chalcopyrite disseminated throughout.	
(Quartz vein) ( 65 to 68 )	<hr/> 2'	Skarn - Mainly calcite and pyroxene - Some garnetite	
	<hr/> 1'4"	Calcite stringer carrying some pyroxene.	
	4"	- do - with chalcopyrite disseminated throughout.	
(Qtz. vein 71.75) ( to 73.5 )	) 1'7"	Highly silicified ex. showing well developed qtz. x ls. - Heavily oxidized - Chalcopyrite and malachite disseminated throughout.	
(Limestone Contact) (at 74.75'	) 1'2"	Ls.	
	6"	Greenish grey rx. with inclusions of what might appear to be epidote - Dyke - Soft Calcereous appearance.	
Dyke - 74.75 - 83.75			



	5'	- do -	
<u>80-108</u>	3'8"	- do -	
(limestone)			
(contact at)	1' 4"	Ls	
(83.75')			
	1'2"	Ls	
87	3'9"	Ls	
	5'	Ls	
	4'4"	Ls	
103	7"	Ls	
	5'0"	Ls	
<u>108-131</u>			
	2'1"	Ls	
111	3'10"	Ls	
	1'4"	Ls	
116	3'7"	Ls	
	2'3"	Ls	
122	1'7"	Ls	Badly decomposed by weathering
	2'1"	Ls	
	5'0"	Ls	
131			

HOLE NO. 5  
0 - 103' @ -30°

0' to 25.5'

	0'		
	<u>5'0"</u>	Greenstone	
	3'8"	Greenstone	
	12'		
	<u>1'3"</u>	Greenstone	
	<u>5'0"</u>	Greenstone	
	<u>5'0"</u>	Greenstone	
(Gs. con	1'6"	Greenstone	
(Gs. skarn con	23'		
contact @ 26'	3'5"	Greenstone - the last 6" shows alteration to skarn	
or 25')			

25.5' to 47.5'

	2'9"	Skarn - garnetite	Speck of Scheelite at 4'8"
	1'2"	Skarn - altered ls. heavy in pyroxene, and showing epidote.	
	5"	Skarn - garnetite	
	8"	Skarn - altered ls. heavy in pyroxene and showing some epidote	
	<u>1'0"</u>	Skarn- altered ls. heavy in pyroxene & showing some epidote	Finely disseminated throughout the 5' core. Pin points to 1/32" X ls.
	2'1"	Skarn - garnetite with some iron sulfide	
	<u>1'10"</u>	Skarn - garnetite	
	3'10"	Skarn-garnetite	Finely disseminated throughout heavy disseminations 1 to 5", 11' to 1'5", 2'9" to 3'9" & 4'3" to 4'5"
38'	1'1"	" " with some iron sulfide	
	2'9"	Skarn - garnetite	Heavily disseminated throughout
	6"	" " heavy in chalcopyrite.	particularly heavy from 4'6" to 4'8"
	<u>2'0"</u>	Skarn - garnetite	
	5'0"	Skarn - garnetite heavy in calcite but showing some iron sulfide	Heavily disseminated from 0 to 2'8"

~~47.5 to 70.75~~

47.5 to 70.75

	5'0"	Skarn - garnetite showing considerable iron sulfide	Finely disseminated throughout. Heavy conc. from 4'7" to 4'8"
	<u>1'0"</u>	- do -	
(Skarn Limestone contact at 53.5')	4'0"	Ls.	Heavily disseminated scheelite throughout
	1'2"	Ls.	
	1'9"	Altered ls.? with inclusions of what would appear to be epidote - Corresponds to what has been called a dyke - soft.	Greyish green in color
60'			
	<u>1'10"</u>	- do -	

	1'2"	- do -
63'	1'0"	- do -
	<u>2'9"</u>	Ls.
	1'0"	Ls.
	<u>4'0"</u>	Skarn - altered ls. heavy in pyroxenes and showing epidote.

70.75 - 94'

	4"	Ls.
71'	<u>4'7"</u>	Ls.
	1'9"	Ls.
77.5'	2'5"	Ls.
80'	<u>9"</u>	Ls.
	11"	Ls.
82'	<u>4'</u>	Ls.
	3'9"	Ls.
89'	<u>1'2"</u>	Ls.
	3'8"	Ls.
93'	<u>1'3"</u>	Ls.

94 - 103

	7'0"	Ls.
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HOLE NO. 6  
0 - 102 @ -30°

0-23.5 ?

	<u>5'</u>	Greenstone
	1'6"	Greenstone
7'	<u>3'5"</u>	Greenstone
	4'7"	Greenstone
14'	<u>4"</u>	Greenstone
	1'1"	Greenstone
15'	2'7"	Greenstone
17'	<u>8"</u>	Greenstone
	<u>5'0"</u>	Greenstone

Heavily oxidized along fracture planes

23.5? - 42

	3'11"	Greenstone		
25'	<u>1</u>	Greenstone	- iron sulfide disseminated throughout	
	4'10"	"	"	"
30'	<u>5'</u>	"	"	"
	4'10"	"	"	"
37'	<u>2'2"</u>	"	"	"
Gs. skarn contact at 35.5'	<u>3'9"</u>	Garnetite with some pyroxene - some iron sulfide also evident		

42-64

	1'0"	Skarn heavy in pyroxenes		
	6"	Garnetite		
	1'7"	Skarn heavy in pyroxene and very heavy in epidote		
44'	<u>7"</u>	- do -		
	1'9"	Garnetite		
	2'6"	Skarn-altered ls. fine grained showing some epidote and garnetite		
47'	<u>2'5"</u>	- do -		
	2'6"	Fine grained blackish green rx - something like a basalt - heavy in fine grained pyrite.		
53'	1'10"	Skarn - mainly pyroxene with some garnetite - heavy in iron sulfide and chalcopyrite		Speck at 48
	1'5"	Garnetite		

	6"	Calcite stringer with some garnetite
	1'8"	Garnetite
57'	7"	Garnetite heavy in chalcopyrite
	11"	Skarn - heavy in calcite - some specular hematite, some garnetite and a small amt. of chlorite.
	<u>1'3"</u>	Garnetite
	2'7"	Garnetite with some calcite - first 3" particularly heavy in massive iron sulfide; iron sulfide disseminated throughout.
(Ls Skarn contact 62.8')	6"	Skarn - mainly pyroxene with some pyrite
	<u>2'5"</u>	Limestone
<u>64-88.5'</u>		
	3'	Limestone
67'	<u>1'11"</u>	Limestone
(72.25 to 80.25 dyke)	3'4"	Limestone
	1'8"	Greenish grey rx - previously called a dyke rx.
	<u>5'</u>	Dyke
	1'6"	Dyke
80'	3"	Dyke
	<u>3'3"</u>	Limestone
	2"	Limestone
83'	<u>4'9"</u>	"
<u>88.5 to 102</u>		
	5'	"
	3'3"	"
97'	<u>1'9"</u>	"
	3'8"	"
<u>102'</u>		

HOLE NO. 7  
0 - 110 @ - 30°

0 - 33

	2'1"	Gs. chips
11'		
	<u>2'10"</u>	Gs. core
	1'10"	Gs. chips
16'		
	10"	Gs. chips
	<u>2'7"</u>	Gs. core
	2'11"	Gs. chips
18'		
22'		
	<u>1'11"</u>	Gs.
	4'0"	Gs.
27'		
	<u>11"</u>	Gs.
	1'4"	Gs.
29'		
	<u>2'7"</u>	Gs.

Heavily oxidized along all fracture planes

33-57

	1'6"	Gs.
34'		
	1'5"	Gs.
	2'1"	Gs. chips
37'		
	<u>4"</u>	Gs.
	1'0"	Gs.
39'		
	1'3"	Gs. chips
	2"	Gs. core
	8"	Gs. chips
	1'0"	Gs. core
42'		
(skarn & Gs.)	9"	Skarn-mainly pyroxene with some epidote
(contact at 42')		
	<u>2'5"</u>	Skarn-pyroxene with some garnetite and heavy in epidote
45'		
	<u>1'8"</u>	- do -
	9"	Skarn - pyroxene with calcite & some epidote
47'		
	<u>4'2"</u>	- do - but oxidized along fractures
	6"	Skarn-pyroxene with calcite & some epidote
52'		
	2'7"	Skarn chips - heavily altered ls. showing some pyroxene.
56'		
	9"	Skarn - mainly pyroxene
	6"	N.C.
	6"	Skarn - mainly pyroxene.

57-80

	1'6"	Skarn-altered ls. heavy in pyroxenes
	3'6"	Skarn - heavy in pyroxenes and showing very little garnet
	<hr/>	
	10"	Skarn chips - pyroxene minerals heavy in calcite
62'	2'6"	Skarn chips - altered ls. heavy in pyroxene minerals
63.5'	1'6"	Skarn - mainly pyroxene with epidote
	1'5"	- do - last 6" showing graduation to ls.
(Skarn & Limestone)		
(contact at 66')		
66'	3'6"	Limestone
	1'3"	Limestone
71'	3'9"	Limestone
	5'0"	Limestone
<u>80 to 105</u>		
80'	1'6"	Limestone
81'	3'6"	Limestone
	5'	Limestone
88'		
	1'	Limestone
	1'	Ls. chips
	3'	Calcareous material heavily oxidized and badly decomposed
	<hr/>	
	2'4"	- do -
	1'	Ls. core
97'	1'8"	Ls. heavily oxidized along fracture planes
	<hr/>	
	3'6"	- do -
103.5'	1'6"	- do -
	<hr/>	
<u>105 to 110</u>		
	2'6"	Limestone
70.7	2'6"	Limestone
	2'0"	Limestone
110'		

Heavily oxidized) Ls. oxidized along along fracture all fracture planes planes

No scheelite evident throughout 57-80'

No scheelite evident between 80 to 105'

No scheelite evident between 105 & 110'



HOLE NO. 8  
0 - 106 9 - 30°

0-28'

	2'	Greenstone chips
	7"	Greenstone core
10'	1'4"	Greenstone chips
12'	11"	Greenstone core
	2'1"	Greenstone
14'	1'7"	"
15.5'	1'2"	"
	4'	"
20'	1'	"
	5'	"
	1'	"
24'	2'6"	"
27'	1'6"	Greenstone chips

Core heavily fractured and showing oxidation along fracture planes (limonite)

No. scheelite evident between 0 - 28'

28-53

28'	2'4"	Greenstone chips
32'	2'7"	Greenstone chips containing small x ls of calcite - minute specks of iron sulfide (pyrite)
	1'6"	Greenstone
35'	2'2"	"
36'	1'4"	Greenstone
	4"	Greenstone
	2"	Clay (Gs)
38'	2'	Greenstone
40'	2'4"	Greenstone
(Gs/Skarn 43'4")	1'	Greenstone
	1'4"	Skarn - altered as showing small amts. of epidote - calcareous.
(Skarn/Gs. 45')		
45'	1"	- do -
	1'3"	Greenstone
46'	1'	Greenstone

Oxidation (limonite) noted along fracture planes



(Gs/Skarn 47')		<u>Skarn</u>	
	2'	Alt. Gs with small quantities of	Specks scheelite at 1-10"
50'		iron sulfide disseminated throughout	
	2'6"	- do -	
<u>53'</u>	<u>6"</u>	- do -	

53'-75.5'

	1'	Gs. grading to skarn	
	1'6"	Skarn - mainly garnetite with some pyroxene and showing calcite Xls.	
	1'6"	Skarn - altered ls. grading to garnetite and carrying some calcite Xls.	
<hr/>			
	1'	Skarn-altered ls. tending to garnetite	
		Some calcite X ls. apparent.	
	1'	Skarn - mainly garnetite but showing some pyroxene - calcite and epidote Xls present.	
	1'	Skarn - mainly garnetite but showing some pyroxene	
<u>62'</u>	<u>2'</u>	Skarn-Garnetite heavy in calcite X ls.	
	2'	Skarn - garnetite heavy in calcite X ls.	At 1-7" to 1'8" disseminated
	6"	Skarn - Mainly calcite with pyroxene	scheelite
	10"	Skarn - garnetite heavy in calcite X ls. with some iron sulfides and pin points of chalcopryrite	At 2'6" to 2'7" - do - At 3'9" to 4'1" - do -
67'			
	<u>1'6"</u>	- do -	
	2'6"	Skarn-garnetite with pyroxene and some epidote - showing considerable calcite X ls.	At 1'6" to 2'3" pin points of disseminated scheelite.
	<u>2'6"</u>	ls	
	1'6"	Skarn - altered to tending to pyroxenes	
	2"	Clay	
	9"	Skarn - altered to ls. tending to pyroxenes	
<u>72'</u>			

(Skarn/Dyke 72'  
Dyke/Skarn 74'6")

	2'6"	Dark porphyritic rx (tending to a black green color)	
74'			
	<u>2'6"</u>	Skarn-garnetite with well developed calcite X ls - some pyroxene minerals	At 3'1" to 3'9" diss. X ls. of scheelite.

75.5 to 99

	6"	Skarn - garnetite with calcite X ls.	Speck of scheelite at 9" & 28"
76'			
	8"	- do - iron	
	3'2"	- do - heavy in/sulfide pyrite	
	2"	mud	
	<u>6"</u>	Skarn - garnetite with calcite X ls.	
	1"	Skarn - garnetite	
80'			
	2'	Skarn - mainly pyroxene with epidote - heavily silicified - some iron sulfide.	

	6"	Skarn - mostly pyroxene minerals	
	2'6"	Skarn - altered ls. mainly calcite and pyroxene	
	<hr/>		
	1"	- do -	
85'	3'0"	- do -	
	2"	Nearly solid calcite with some pyroxene	
	2"	Skarn, altered ls. mainly calcite and pyroxene.	
85.5'	1'6"	Nearly solid calcite with some pyroxene and garnetite.	
	<hr/>		
	5'0"	Skarn, mainly calcite and pyroxene with more garnetite and epidote - heavily silicified - showing pyrite.	Between 1'2" & 1'4" the core showed some disseminated scheelite (light) Speck of scheelite at 2'5"
	<hr/>		
	6"	- do - (at 6" 1/32" stringer of pyrite)	Between 1'2" & 1'4" the core showed some disseminated scheelite (light).
	2'	Skarn - pyroxene, calcite & garnetite.	
(Skarn ls contact) (at 96.5')	2'6"	Ls.	Speck of scheelite at 1'8" Heavy dissemination of scheelite from 2'2" to 2'5"
99.0'	<hr/>		
99' to 106'	2'6"	Ls.	
101'	2'6"	Ls.	
106'	5"	Ls.	
	3'	N.C.	
	1'6"	Ls.	
	<hr/>		

HOLE NO. 9  
0-221.6 @ - 60°

0 - 27'

	5'	Garnetite carrying considerable ants. of calcite X ls.	Disseminated heavily throughout- Very heavily disseminated from 8' to 10' & 16' to 17'
	2"	Garnetite- showing considerable iron sulfide	
(Garnetite Gs. contact)			
(at 8.1')			
	8.1'		
	2'8"	Gs. altered Gs. - contact rx.	
	10'		
	10"	- do -	
	4'	Clay seam	
	11'		
	5"	Gs.-altered Gs.- contact rx.	
	2'	Gs.	
	14'		
	2'11"	Gs.	
	2'5"	Gs.	
	20'		
	2'6"	Gs.	
	2'11"	Gs.	
	25'		
	2"	Gs. heavily oxidized	

27-50'

	6"	Ls. heavy in calcite X ls.	
	2'7"	Greenish rx. (calcareous) heavy in micaceous material (leucite) Heavy in calcite. (At 2'5" & 2'9" there are 1/2 & 3/4" x ls. of pure calcite)	
	1'9"	Heavily oxidized, fawn colored rx heavy in iron sulfide - ls?	
	1'10"	- do -	
	35'		
	1'10"	- do -	
	37'		
	1'4"	- do -	
	10"	- do -	
	2'6"	- do - grading to skarn	
(Skarn Gs. contact)			
( at 40' )			
	40'	1'2"	Skarn - altered Ls.
	41'		
	1'1"	Ls.	
	1'1"	Altered ls. - skarn	
	42.5'		
	3'1"	Skarn-altered ls. heavy in calcite and pyroxene - containing large maws of pyrite.	
	44'		
	1'6"	- do - but showing some garnetite	

	1'1"	Skarn - do -	Disseminated heavily from
	5"	- do - but with more iron sulfide	1'4" to 5'
47'	1'3"	Skarn - altered ls. heavy in pyroxene and calcite.	
	2'2"	- do - but carrying some garnetite	

50-74'

	5'	Skarn - heavy in pyroxene but carrying some garnetite	Heavily disseminated from
	Note 3'1" to 3'3"	solid calcite	6" to 2'4"
		2'3" to 2'4" Solid calcite	

59'	1'10"	- do - but with more garnetite	Heavily disseminated scheelite from 1'6" to 4'2" slightly
	1'7"	Skarn-mainly garnet	
	1'5"	- do - but carrying some pyrite	

64'	2'10"	Skarn-mainly garnetite but showing some epidote and calcite - iron sulfide also prominent.	Slightly disseminated from 0-1'8" - fairly well diss. from 1'8" to 5'0"
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	1'4"	- do - but no epidote - hematite along fractures	
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66'	7"	- do -	
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69'	2'11"	- do -	Minute quantities disseminated from 0 to 1'4" & 2' to 2'10"
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	2'	- do -	
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71'	1'	- do - but carrying some epidote	Fair amount disseminated from 9" to 2'8"
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	2'8"	- do -	Traces of scheelite from 2'8"
	1'4"	Skarn - altered ls. tending to pyroxenite	5'0"

74'-97.5'

	4'4"	Skarn-altered ls. showing no garnet but heavy in pyroxene minerals - considerable iron sulfide	1/2" mass scheelite at 4'8"
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	8"	Skarn - mainly garnetite showing some calcite.	
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	3'8"	Skarn-garnetite heavy in calcite and showing some pyrite and chalcopyrite	Heavy dissemination from 6" to 1'5" - 3/8" mass at 4'5" - traces through at 5' section.
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82'	1'3"	- do -	
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	1'4"	- do - but very heavy in calcite	Fair amount scheelite
86'	1'8"	Skarn - heavy in pyroxene and calcite.	Disseminated from 0 to 1'6" - traces from 2'6" to 3'1"

	9"	Skarn - silicified ls with pyroxene - some iron sulfide.	
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	1'2"	Skarn - calcareous rx heavy in pyroxene.	
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	2'8"	Skarn - garnetite showing considerable epidote	Heavy dissemination from 1'4" to 2'6", 2'11" to 3'6" and from 4'5" to 5' - Traces throughout the rest of core
90.5'	2'3"	Skarn - garnetite, heavy in iron sulfides and carrying some calcite	
	3'3"	- do -	
	1'9"	Skarn - garnetite heavy in pyroxenes.	Fair amt. scheelite 0'10" & 4'6" to 4'7" - traces throughout balance
<u>97.5 to 121.5</u>			
	2'2"	Skarn - calcareous rx with some garnet and pyroxene	Fair amt. scheelite throughout - heavy dissemination from 3'4" to 4'2"
100'	2'9"	- do -	
	5'	Skarn? - altered ls showing considerable epidote - badly decomposed by weathering	Fair amt. of scheelite disseminated throughout
	5'	- do -	
	5'	- do -	
	5'	- do -	
<u>127-153</u>			
	5'	Greenish grey rx-relatively soft, (Calcareous) similar to what has been termed dyke rx in hole 4.	
	5'	- do = badly decomposed	
	5'	- do -	
	3'	- do -	Speck of scheelite at 9"
	2'	Skarn - altered ls. heavy in pyrrhotite with some pyroxene.	
	9"	- do -	Speck of scheelite at 4'
	3"	- do -	
	2'6"	Silicified rx (qtz. crystals) with some pyroxene carrying some pyrrhotite.	
	1'6"	Skarn - pyroxenite, garnetite and quartz with hematite along fractures	
<u>156 - 186'</u>			
	2'6"	Skarn - pyroxenite, garnetite and quartz with hematite along fractures - pyrrhotite and specular hematite noted throughout.	
	9"	Skarn - silicified altered ls.	
160'	1"	Clay seam	
	1'8"	Skarn - Altered ls. heavily silicified (quartz) with pyroxene	
161.5'	1"	- do -	
	3'	- do -	
	1'5"	Skarn - heavily silicified rx with some epidote and iron sulfide (pyrite) <del>XXXXXXXX</del>	1-11" to 2' heavily disseminated scheelite - 2'8" to 2'9" ditto
167	6"	Practically pure qtz. very heavy in pyrite.	



168.5'	7"	- do -	
	1'		
	1'2"	Skarn with some iron sulfide	
	2'2"	Skarn - altered ls. with some garnetite but considerable pyroxene.	
173'	8'	Skarn - altered ls. heavily silicified with some pyroxene.	
	4"	- do - badly decomposed	
	2'2"	Skarn - altered ls. heavy in pyroxene hematite along fractures - considerable hematite evident along fracture planes	Heavy dissemination of mineral specks 4'9" to 5'0" Speck at 10", 25" & 28"
	6"	Skarn - mainly garnetite	
178'	12"	- do -	
	16"	Skarn - garnetite, epidote, calcite and quartz (1/2" qtz. stringer at 4'4")	
	4'	Skarn - altered ls. tending to garnetite but heavy in pyroxene and green colored rx	Speck scheelite at 4'5"
185'	1'	Skarn	
<u>186 to 213</u>			
	5'0"	Skarn - heavy in garnetite with very little calcite	Speck scheelite at 1'5", fair amt. disseminated from 2'1" to 2'0" and from 4'3" to 4'5"
	1'10"	Skarn - heavy in pyroxene minerals with some calcite, epidote and garnet	
	2'2"	- do - but not as heavy with pyroxene and heavier in garnet.	
179'	1'0"	Fine grained green black rx - similar to a basalt - possibly a dyke rx.	
	2'0"	Skarn heavy in pyroxene mineral with abundant epidote - heavily silicified	
	2'0"	Fine grained green black rx - similar to a basalt, possibly a dyke rx.	
	1'0"	Skarn - garnetite with abundant epidote	
	2'6"	Skarn - garnetite with some epidote & very little calcite - some iron sulfide	Specks of scheelite at 1'3", 1'4", 1'7" and 1'10"
	1'6"	Skarn - pyroxene minerals with some garnetite - heavy in masses of pyrite	
	6"	Skarn - garnetite with some calcite. Heavy in pyrite	
	1'6"	Skarn - pyroxene minerals with calcite. Abundant epidote	Scheelite heavily disseminated between 4" and 5" (1/8" Xls)
211'	2'	- do -	

213 - 222.4

	1'11"	Skarn - pyroxene, epidote & garnetite. Some calcite also apparent. Pyrrhotite also apparent.	Speck noted at 2'1" and 4'2"
215	3'	- do -	
	2'8"	- do -	
(Limestone & skarn) (contact at 220.75)	1'8"	Ls - showing chalcopyrite and well developed X ls of pyrite at contact	Speck at 4" & 1'4". Fair amt. disseminated between 2'2" and 2'9". One inch of heavily disseminated scheelite at 2'9" to 2'10"

HOLE NO. 10  
0-217' @ - 55°

0 - 15'

	5'	Greenstone - epidote apparent for first 3'
	<hr/> 5'	Greenstone
	2'	Greenstone
	1'	Greenstone heavily oxidized along fracture planes
(Gs/skarn 13')	6"	Greenstone and skarn core chips
	4"	Garnetite chips
	2"	Clay seam
	1'	Skarn - mainly garnetite
(Skarn/Gs 15')	<hr/>	

15-44

(Gs/skarn)	3'4"	Greenstone	One speck of scheelite at 4'11"
(18'4" )	1'1"	Garnetite with calcite stringers	
21'	<hr/> 7"	Garnetite	
(Skarn/Gs)	1'0"	Garnetite	
(22.5' )	1'6"	Greenstone	
24"	2'6"	Greenstone	
	7"	Greenstone	Specks of scheelite 1'5", 2'9" and 3'0"
(Gs/Skarn)	7"	Greenstone bordering on garnetite	
(27.5' )	28'	3'10"	Garnetite with considerable calcite - well developed calcite in last 6"
	<hr/> 1'10"	Garnetite with calcite X ls	From 0 to 2'1" scheelite heavily disseminated throughout. Practically solid from 2'1" to 2'4"
35'	2'2"	Garnetite	
	<hr/> 3"	Garnetite	From 0 to 4'2" scheelite heavily disseminated throughout
39'	1'3"	Garnetite	
	1'1"	Garnetite carrying practically 50% chalcopyrite	
	<hr/> 3"	Garnetite	
43'	1'2"	Garnetite	

44 to 68

	4'6"	Garnetite	Heavy in scheelite 4'4" to 4'6"
	6"	Dyke	
	<hr/> 5'	Dyke	
	3'6"	Dyke	
	1'6"	Garnetite heavy in chalcopyrite	
	<hr/> 5'	Garnetite showing considerable chalcopyrite	1'7" to 1'9" and 2'5" to 2'6" Fair in scheelite
	3'	Garnetite - some chalcopyrite and iron sulfide	Fair in scheelite 1'5" to 1'8"
	2'	Skarn - heavy in pyroxene minerals	



5' Skarn-heavy in pyroxene and very heavy in calcite. A considerable amount of well formed pyrite X ls was also noted

1' Skarn - heavy in pyroxene minerals Speck at 2'5" and 4'  
1' Skarn heavy in calcite  
3' Garnetite grading to fine grained greyish black rx.

3'6" Calcareous rx heavy in pyroxene Speck at 3'9" and 4'4"  
1'6" Garnetite

1'6" - do -  
1'6" Garnetite grading to fine grained greyish black rx.  
1' Fine grained black rx.

5' Calcareous rx. heavy in pyroxenes and pure calcite Speck at 2'

5' Garnetite showing hematite along the fracture planes. A considerable amt. of well formed calcite X ls were noted throughout the garnetite. Chalcopyrite and specular hematite disseminated throughout.

Note: 1/16" to 1/8" specks of scheelite are evident at 2'1", 2'5" & 4'9"  
Relatively heavy dissemination of scheelite from 3'8" to 3'10"

7" Garnetite showing hematite along fractures and showing inclusions of calcite. Chalcopyrite and pyrite disseminated throughout.

104

1'6" - do -

106

2'8" Garnetite showing considerable amts. of hematite along fractures. Considerable amts. of calcite Xls noted throughout, and some chalcopyrite and pyrite scattered throughout the core.

Note: Disseminated scheelite 4'6" to 4'8" (1/32" to 1/8" Xls)-small amt.

1'0" Garnetite heavy in calcite and pyroxenite carrying large amts. (masses) iron sulfides (pyrite)  
1' Garnetite with some calcite and pyrite  
1' Nearly pure calcite (well formed Xls) with a large amt. of muscovite?  
Some chalcopyrite also evident  
2' Garnetite with chalcopyrite and pyrite

Note: Small amts. of scheelite disseminated through the core from 0 to 3'10" and from 4'6" to 5'

2'2" Garnetite showing minute quantities of Cu & Fe sulfides but relatively large amts. of calcite Xls  
2'10" - do -

Note: 2'6" to 5'0" very sparsely disseminated scheelite.

- 2' Calcite (well formed Xls) with pyroxenite -  
 carrying some large well formed Xls of purite  
 but heavy in small Xls of pyrite - Chalcopyrite  
 noted throughout
- 1" Ls. carrying some pyroxenite & iron sulfide
- 2' Ls. apparently barren

Note: From 0 to 2'3" heavy disseminations of scheelite were noted

126 - 162

- 126' 2'4" Ls.
- 129' 2'7" Ls.
- 
- 134' 10" Ls. 1'8" to 5' shows a fair amt.  
 of diss. scheelite throughout
- 9" Ls.
- 2" Oxidized Ls - mainly calcite Xls
- 4" Altered calcite
- 139' 11" Nearly pure, well developed calcite (Heavy in Scheelite)  
 Xls.
- 141 1'8" Well developed calcite Xls with some  
 inclusions of pyroxene minerals and  
 minute quantities of garnetite.
- 
- 147 10" Ls with some pyroxene minerals
- 4'2" Calcareous rx with pyroxenes -  
 Calcite predominating. Considerable  
 pyrite and some chalcopyrite showing.
- 
- 8" Garnetite- pyroxene and calcite  
 abundant - Considerable pyrite
- light dissemination of scheelite  
 from 0 to 3'2"
- 153 1'0" Garnetite with hematite along fractures
- 1'6" Calcareous rx heavy in pyrite
- 1'10" Skarn - Garnetite and calcite
- 
- 8" Garnetite chips
- 158 ~~XXX~~ 1'0" Garnetite with calcite stringers.
- 3'4" Skarn ~~XXX~~ mainly pyroxene minerals with  
 calcite and hematite along fractures.  
 heavy in iron sulfides.

162 to 186

- 5' Calcareous rx heavy in pyroxenes -  
 Considerable iron sulfide noted.  
 Heavy in hematite along fractures
- 2'7" to 2'9" shows a light  
 diss. of fine grained scheelite  
 Speck at 2'10"
- 
- 5' - do -
- 
- 5' Skarn - altered ls with pyroxene  
 minerals and considerable epidote  
 evident
- Light 0 to 3'9" and 3'9" to 5'  
 very heavy
- 
- 5'
- 
- 5'

186 to 217

3'	Calcareous rx heavily oxidized with well formed calcite Xls and some pyroxene minerals - heavy in iron sulfide and showing a fair amount of chalcopyrite	Speck at 4'4"
2'	Skarn heavy in calcite and pyroxene minerals. Alternately banding.	
<hr/> 5'	- do -	Fair throughout
<hr/> 5'	- do -	Heavy but very fine xls throughout
<hr/> 5'	- do -	0-3'2" - do -
<hr/> 5'	- do -	Fair throughout. Heavy from 3'7" to 4'6"

HOLE NO. 11  
0-113' @ - 50°

0 - 28'

	2'5"	Greenstone
7'	2'6"	Greenstone - heavily oxidized along fractures
	1'1"	Greenstone
11'	1'9"	Greenstone
	2'1"	Greenstone showing xls of calcite - appearance of a porphyry
	1'6"	- do -
16'	3'6"	- do -
	5'0"	- do -
	2'3"	- do -
26'	2'0"	- do -
28'	8"	- do -

28'-52'

28'	2'9"	Greenstone
	1'	Garnetite heavy with pyroxene - pyrite disseminated throughout.
	1'3"	Greenstone
	3'2"	Greenstone
37'	1'10"	- do -
(Gs Skarn contact at 39' or 37')	1'8"	Skarn - pyroxene with garnetite
39'	6"	Skarn - Extremely heavily in epidote
	2'10"	Garnetite
	5'	Garnetite
	2'	Garnetite
	8"	Skarn. Altered ls heavy in pyroxene
	2"	Skarn. Altered ls with some pyroxene carrying about 25% chalcopyrite
	2'2"	Garnetite

At 2'7" one XI scheelite approx. 1/16"

At 3'9" to 3'10", 1/32" Xls of scheelite disseminated throughout

One speck of 1/32" ~~III~~ XI of scheelite at 4-11"

through  
 From 4'2" to 4'7" disseminated X ls 1/32" were noted throughout

From 8" to 10" 3-1/8" Xls of scheelite

From 1'2" to 1'3" disseminated X ls 1/32" X ls

From 2'3" to 2'5" disseminated Xls of scheelite varying from 1/8" to 1/64"

From 3' to 3'9" minute specks of scheelite were noted throughout  
 From 4'5" a speck of scheelite.

1'10 1'10" Garnetite with 4 scattered masses  
(1/4") of pyrrhotite  
8" N.S.  
6" Garnetite  
4" N.C.  
6" Garnetite  
6" N.C.  
8" Garnetite with bands of calcite and  
pyroxenite.

Note: Iron sulfide disseminated throughout core.  
First 1'10" shows disseminated scheelite throughout.  
At 1'1" one inch of particularly heavy mineralization was noted  
(1/32 to 1/4" Xls)  
At 1'6" to 1'10" specks of disseminated scheelite were noted.

2" Garnetite  
57' 3'10" Garnetite disseminated with iron sulfide and minute  
quantities of chalcopyrite.  
6" N.C.  
3" Garnetite  
3" Ls. band showing coarse Xls of calcite.

Note: Disseminated scheelite throughout.

6" Garnetite  
3" Calcite and pyroxenite  
63' 3" Garnetite  
1'0" Calcite and pyroxenite  
1'0" Garnetite  
1" Calcite - 50% calcite and 50% pyrite  
66' 9" Garnetite  
9" Ls.  
1" Pyrite mixed with calcite  
1" Ls.  
1'1" Well formed calcite with inclusions of pyroxenite  
69' 8" - do -

Note: Heavily disseminated scheelite throughout 1/8" to 1/32".

5" N.C.  
6" Calcite with pyroxenite  
2" Garnetite  
4" Calcite with pyroxenite  
6" N.C.

(Skarn Gs)  
(Contact )



71' or 72'

2" Ls. with several masses of pyrite  
1'2" Ls.

Notes: At 5" to 11" sparse amounts of scheelite.  
At 11" to 13" minute specks of scheelite.  
At 1'1" to 1'5" heavily disseminated with scheelite

73

73'

1'4" Ls.  
6" N.C.  
3" Ls.  
4" N.C.  
11" Ls.  
1'0" Ls. carrying 15% pyrite and 5% chalcopyrite in massive form  
2" Garnetite  
6" Ls.

Notes: Minute quantities of scheelite throughout except for the section of garnet.

78' to 113'

2'6" Very fine grained rx, greyish black in color 0-1' sparsely disseminated scheelite.

2'6" Skarn - mainly pyrox. minerals

2'6" - do -

2'6" Skarn - very heavy in garnetite 0-2' sparsely disseminated scheelite

2'0" Skarn - mainly pyroxene minerals

88'

3'0" Ls.

5'0" Ls.

5'0" Ls.

2'5" to 3'0" sparsely diss.

103 to 113'

5'0" Ls.

5'0" Ls.

Figures on core box illegible

	4'	Limestone	
	3'	Limestone	
(Ls skarn)	1'	Calcite stringer heavy in chalcopyrite	)) Sparsely disseminated throughout this section.
(contact			
(81			
	4'	Garnetite	
	4'	Garnetite	
	4'	Garnetite	
	2'	Garnetite	
	1'6"	Practically solid chalcopyrite	
	6"	Garnetite	

Figures on core box illegible

	6"	Skarn heavy in pyrox and chalcopyrite	1'4" to 4' shows a fairly heavy dissemination of scheelite
	1'	Garnetite	
	6"	Skarn - mainly pyrox.	
	2"	Garnetite	
	4'	Garnetite - heavy in calcite	1'4" to 4' Extremely heavy in scheelite
(Gs Skarn)	12"	Garnetite	
(contact	3'	Greenstone	
(at 43')			
	1'	Greenstone	
47'	2'	Greenstone	
49'	1'		

HOLE NO. 13

	5'6"	Dyke Rx. (ls)	
	5'6"	- do -	
	2'6"	- do -	
18'	3'0"	- do -	
	1'4"	- do -	
	4"	Ls	
24'	1'10"	Calcite stringer heavy in chalcopyrite	Light in very finely diss. scheelite Light in very finely diss. scheelite throughout.
(Ls Skarn) (at 26')	2'0"	Skarn - heavy in pyroxene minerals	
	5'6"	Skarn - showing a fair amount of calcite (well formed Xls of dropside at 21 and 25")	
	5'6"	- do -	
	5'6"	- do -	
	3'4"	- do -	
46'	2'1"	- do -	

FOOTAGE MARKING NOT LEGIBLE (48? to 91?)

	1'6"	N.C.	
	4'	Ls. altered to epidote with pyroxenite and chlorite-pyrrhotite sparsely disseminated throughout.	
	3'	Ls. altered to epidote with pyroxenite and chlorite - pyrrhotite sparsely disseminated throughout.	
	2'6"	Garnet showing hematite along fracture planes - chalcopyrite and iron sulfide sparsely disseminated throughout.	
	2'	Coarsely X line ls. with some epidote and showing considerable amts. of disseminated specular hematite - Calcite Xls approx. 3/4" near lower end of ls. g contact	
	2'	Gs. with disseminated Xls calcite and some chalcopyrite	
65?	1'3"	Ls. with gs. inclusions.	
	3"	- do - with minute specks of chalcopyrite.	
	1'4"	Altered ls. - very finely Xline, hematite evident along fracture planes.	
49'?			
Not very legible	2'	Mixed layers of epidote, garnet, greenstone,	3" epidote 1" garnet 3" epidote 4" greenstone 1" epidote 2" greenstone 6" garnet 2" epidote - 2" garnet



- 1' Garnetite with coarse Xls of calcite (1/4") and showing minute quantities of chalcopyrite.
- 2" Epidote
- 2" Garnetite
- 1' Garnetite with coarse Xls of calcite (1/4") and showing minute quantities of chalcopyrite.
- 1'2" Altered ls. with pyroxenite.

Note: At 3'3" to 3'6" scheelite was noted throughout (disseminated)

- 1' Altered ls. with pyroxenite
- 2'6" Garnetite with inclusions of calcite within the first one foot.  
Also 2" of pure calcite noted at 6" (at contact heavy mass of chalcopyrite was noted).
- 1' Ls. with pyroxenite
- 1' Garnetite.

Note: At 5" to 10" scattered Xls of scheelite were noted.  
At 1'6" minute specks of scheelite were noted.  
At 2'7" - do -  
At 3'5" to 3'9" - do -  
At 3'9" to 4'3" - more heavily marked showing scheelite  
At 4'10" to 5'1"- sparsely disseminated scheelite

- 3'6" Garnetite carrying small amts. of calcite & chalcopyrite
  - 6" Ls. (altered and coarsely Xline)
  - 1" Garnetite
  - 6" Altered coarsely Xline ls.
  - 1' Garnetite with large (3/4") masses of pyrrhotite.
- Note: At 2'9", 4'0", 5'2" specks of scheelite were noted.

- 2'6" Garnetite
- 1'3" Garnetite
- 3" Calcite band
- 6" Garnetite
- 1' Ls. pyroxenite and gs. with some chalcopyrite

Note: At 1" and 2'1" specks of scheelite were noted.

HOLE NO. 14

56' - 76'

58'	1'9"	Garnetite	Heavily disseminated with iron sulfide throughout	0 - 12" sparsely disseminated
	3'2"	Garnetite heavily oxidized.		
(S&Gs Cont.71)	5'	Greenstone - 1/2" of malachite noted at 2'6"		
	3'2"	Greenstone		
67'	2'9"	Greenstone		
(Gs S Cont.72')	2'6"	Greenstone		
	1'3"	Garnetite		
71'	1'2"	Garnetite		
	5'	Garnetite		

76? to 89'

	2"	Skarn-Garnetite & epidote	Speck of scheelite at 1'3"
	6"	Garnetite with considerable calcite and some minute specks of iron sulfide.	
	4'4"	Calcareous rx with considerable epidote.	
(Gs S Cont.80')	1'	Greenstone	
81'	1'6"	Greenstone chips	
83'	2'6"	Greenstone with calcite along fracture plane.	
	2'	Calcareous rx heavy in epidote and carrying some calcite and garnetite - traces of pyrrhotite.	
	3'	Greenstone showing some calcite & epidote.	

HOLE NO. ?

(POSSIBLY HOLE NO. 14 - 28' to 56')  
No. & Footage not Legible.

2'0" Weathered greenstone  
2'0" Altered ls.  
1'0" N.C.

---

1'0" Altered ls. core chips  
6" " " solid  
6" " " core chips  
6" " " solid  
2' " " with massive pyrite  
6" N.C.

Note: Disseminated scheelite from 3'2" to 4'0"

1'6" Garnetite  
1" Pure calcite  
1'5" Garnetite  
40' 2'0" Garnetite with large Xls of white calcite

Note: Scheelite specks noted throughout.

2'0" Garnetite several well developed Xls of pyrite noted (well formed).  
1'0" Garnetite showing some calcite and iron sulfide.  
2" ls band showing 1/2" Xls calcite with 1/4" masses of iron sulfide,  
pyrite°  
1'0" Garnetite with iron sulfide and chalcopryrite in minute quantities  
10" N.C.

Note: Sparsely disseminated scheelite throughout.

1'0" N.C.  
1'6" Garnetite  
1/2" Massive epidote in garnetite  
3 N.C.

HOLE NO. 15  
189'8" @ Minus

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0-31'	31'	Casing in overburden
31'-35'	3'5"	Fine grained Greenish black rx. similar to volcanic but of calcareous base
35'-38'	2'	- do -
38'-39'	4"	- do -
39'-40'	8"	- do -
40'-42'6"	1'8"	- do -
42'6"-47'6"	2'2"	- do -
47'6"-53'5"	1'8"	- do -
53'5"-56'		- do -
56' -58'5"	6"	- do -
58'5"-62'7"	2'5"	- do -
62'7"-67'5"	4'2"	Dyke
67'5"-73'	9"	"
73' -75'	7"	"
75' - 77'4"	10"	1' Dyke
		Skarn - Altered Limestone
77'4" - 84'	1'8"	- do -
84' - 89'6"	6"	Skarn - Garnetite
89'6"- 95'	5'1"	- do -
95' - 100'		--do -
100' - 103'		2'6" Skarn - Altered Limestone
		6" " Garnetite
103' - 113'		Skarn - Altered Ls. tending to garnetite
113' - 118'9"	9"	Skarn - Garnetite
118'9"- 126'	2'	Skarn - Altered ls. heavy in epidote
126' -131'		Skarn - Garnetite
131' - 136'		- do @
136' - 141'		- do -
141' - 142'6"		- do -
142'6"- 143'6"	4"	- do -
143'6"- 150'	1'1"	- do -
150' - 158'		4' Skarn - Garnetite
		4' Skarn - Altered Limestone
158' - 162'		" " " with some garnetite
162' - 166'6"		Skarn - Altered Limestone
166'6"- 171'6"	2'	- do -
171'6"- 176'	6"	- do -
176' - 181'6"	1"	Volcanic
181'6"- 185'4"	6"	"
185'4"- 186'8"		"
186'8"- 189'8"	8"	"

HOLE NO. 16  
 0-155' at Minus 54°  
 (Preliminary Log)

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 17'		15' overburden & 2' limestone(17' casing)
17' - 22'4"	8"	Limestone
Limestone/Dyke Contact	22'4"	
22'4" - 27'4"	2'2"	Dyke
27'4" - 32'6"	2"	"
32'6" - 42'6"	5'7"	"
Dyke/Limestone Contact	42'6"	
42'6" - 44'	5"	Limestone
44' - 48'6"	2'9"	10" dyke - 12" limestone
48'6" - 53'	1'8"	Limestone
53' - 59'	11"	"
59' - 63'	10"	"
63' - 68'		"
68' - 73'		2'6" Limestone
Limestone/Skarn Contact	70'6"	2'6" Skarn - Calcite Stringer (Altered slightly)
		Showing considerable chalcopyrite
73' - 78'		3'8" Skarn - Altered calcite heavy in pyroxenes
		1'4" Skarn - Garnetite
78' - 83'		5' Skarn - Garnetite
83' - 91'	3'	9" Black fine grained relatively soft rx.
		1'3" Skarn - Garnetite
		3'0" Black fine grained Rx (soft)
91' - 96'		
	5'	
96' - 98'	6"	1'6" Skarn - Garnetite
98' - 105'6"	1'6"	6" " "
105'6" - 109'4"	1'4"	2'6" " "
109'4" - 119'8"		2' Skarn - Garnetite
		3' " Mainly calcite with some Garnetite
119'8" - 124'8"	4'8"	4'8" Skarn - Garnetite
Skarn/Volcanic Contact	124'4"	4" Black fine grained Rx.
124'8" - 134'8"	2'	2' " " " "
Volcanic/Skarn contact	126'8"	3'6" Skarn - Garnetite
		4' Skarn - Altered calcite heavy in epidote
Skarn/Volcanic contact	134'2"	6" Volcanic - black green fine grained rocks with inclusions of pyroxenes(?)
134'8" - 138'		- do -
138' - 144'6"	3'4"	- do -
144'6" - 153'		- do -

SAMPLING

<u>Sample No.</u>	<u>Footage</u>	<u>WO<sub>3</sub></u>
7260	70'6" to 73'	0.37%
7261	73' to 78'	0.42%
7262	78' to 83'	0.26%
---	83'8" to 83' $\neq$ 1'9"	
---	91' to 92' $\neq$ 10"	
7269	<del>96' to 98'2" <math>\neq</math> 4'4"</del> 96' to 98'2" $\neq$ 4'4"	0.22%
7270	98'2" $\neq$ 4'4" to 109'6"	0.40%
7263	109'6" to 114'6"	1.42%
7264	114'6" to 119'4"	0.60%
7271	119'6" to 119'6" $\neq$ 3'4"	0.03%
	125'8" to 127'8"	
	Not sampled but comparable to 78'-83'	

NOTE: On the basis of the samples analyzed to date this hole gives 48.8' (70'6" to 119'4") running 0.295% assuming the unassayed portions to be barren.



HOLE NO. 17  
0-122' @ - 30°

<u>Footage on Box</u>	<u>Footage Markers</u>	<u>Actual Footage</u>	<u>Description</u>	
			<u>General</u>	<u>Scheelite</u>
0 - 28'		10"	Skarn - Altered Ls. Mainly pyroxene with traces of garnetite	
	5'	4'1"		
	10'	1'4"	Volcanic	
	14'	3'7"	"	
		5'	"	
	23'	5'	"	
	26'	3'	"	
		2'	"	
	28'-54'	5'	Volcanics - heavy in pyrrhotite	
	39'	2'7"	"	
		2'4"	"	
43'	1'0"	"		
45'	2'0"	Skarn - Calcareous Rx. Heavy in epidote		
	2'0"	"		
	5'0"	"		
	5'0"	"		
54'-81'	57'	2'7"	"	
		2'4"	"	
		5'	"	
		2'7"	"	
	66'	2'4"	Volcanic	
		3'6"	Volcanic	
	75'	1'5"	"	
		2'5"	"	
	79'	2'6"	"	



<u>Footage on Box</u>	<u>Footage Markers</u>	<u>Actual Footage</u>	<u>Description</u>	
			<u>General</u>	<u>Scheelite</u>
81-103	81'	1'1"	Volcanic	
	82'	1'8"	"	
	83'	2'1"	"	
		2'6"	"	
	87'	1'11"	"	
		1'0"	"	
	90'	2'11"	"	
	93'	11"	"	
		1'11"	"	
	96'	1'2"	"	
		1'5"	Calcareous Band	
	99'	4"	Altered Limestone	
		3'10"	"	
103'	2'1"	"		
103-122'		5'	"	
		1'2"	"	
	110'	2'10"	"	
		10"	Volcanic	
	113.5'			
		3'6"	"	
	-75'	1'5"	"	
	2'5"	"		

HOLE NO. 18  
0-185' at -70°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
19'4" - 21'6"		0-19'4" Overburden - 0-21' Casing
21'6" - 22'8"	3"	Limestone
22'8" - 28'8"	8"	"
28'8" - 30'8"		"
30'8" - 36'		"
36' - 42'7"	3'3"	3'2" Ls. - 2" black fine grained calcareous rx.
42'7" - 46'4"	3'9"	Black fine grained calcareous rx. (Limestone ?)
46'4" - 50'	2'10"	"
50' - 54'2"	2'2"	"
54'2" - 56'	4"	"
56' - 57'6"		"
57'6" - 59'	5"	"
59' - 62'	6"	"
62' - 65'2"	1'8"	"
65'2" - 67'	1'2"	"
67' - 68'	3"	"
68' - 70'8"	2'1"	"
70'8" - 72'4"		"
72'4" - 74'	4"	"
74' - 78'6"	3'8"	"
78'6" - 83'8"	4'8"	"
83'8" - 84'4"		"
84'4" - 88'	8"	" with inclusions of pyroxene minerals
88' - 89'		"
89' - 91'	10"	"
91' - 92'	3"	"
92' - 93'6"		"
93'6" - 96'	1'	" Last 6" Skarn-Altered Ls.
(95'6" Ls/Skarn contact)		
96' - 100'8"	6"	Skarn - 9" altered Ls. with pyroxene 2'3" Garnetiferous rx. 1'2" Altered Ls. (First 3' heavy in hematite)
100'8"-101'		Skarn - Garnetiferous Rx. heavy in hematite
101' - 104'4"	2"	2'4" Skarn - Garnetite 10" " Altered calcite
104'4"-108'6"	8"	1'8" Skarn - altered calcite 10" " Garnetiferous 2" Calcite showing some chalcopyrite
108'6"-111'6"	6"	10" Skarn - Altered calcite heavy in pyroxenes 2'6" Skarn - Altered calcite heavy in iron sulfide and pyroxenes. 6" Garnetite
111'6"-117'9"	1'1"	2'8" Skarn - Garnetite - Hematite on fractures 10" " $\frac{1}{2}$ Altered calcite - heavy in iron sulfide
117'9"-128'	3'7"	2'5" " - Garnetiferous 2'2" " - " 10" " - Altered Calcite 2'6" " - Garnetite 10" " - Altered calcite
(128' Skarn/Ls Contact)		
128' - 136'4"	3'4"	Limestone

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
136'4"-146'4" (141'6" Ls/Skarn Contact)	6"	5' Limestone 4' Skarn - Slightly Altered Ls. showing some chalcopyrite throughout
146'4"-151'	1'8"	6" Skarn - Garnetiferous
151' -159'	2'6"	Skarn - Mainly Garnetiferous
(153' Skarn/Ls contact)		2' Skarn " "
159' -171'	2'	1' Skarn - Altered Limestone
171' -181'	6"	3'6" - Limestone
181' -184'		Limestone
		Limestone
		Limestone

SAMPLING DETAIL

<u>Sample No.</u>	<u>Description</u>
7265	96' to 101' / 2'7"
7266	104'4" / 1'9" to 111'6"
7267	111'6" to 117'9"
7268	117'9" to 128' 141'6" to 151' / 3'
	(Not sampled yet - but will be sampled)

HOLE NO. 19  
0-129' @ - 40°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 38'		Casing
38' - 43'6"		Limestone
43'6" - 46'4"	2"	Limestone
46'4" - 51'7"		Limestone
51'7" - 53'6"	5"	Limestone
53'6" - 55'6"	10"	Limestone
55'6" - 59'		Limestone
59' - 64'6"	6"	Limestone
64'6" - 66'8"	2"	1'2" Limestone
(Ls/Volcanic contact 63'8" or 65'10")		
66'8" - 70'	6'	Balance volcanic
70' - 72'4"		Volcanic
72'4" - 73'		Volcanic
(Vol/Ls contact 73')		
73' - 76'9"		1'2" Limestone, balance skarn (Garnetite)
(Ls/Sk contact 74'2")		
76'9" - 82'	3"	Skarn - Garnetite
(Sk/Vol Contact 82')		
82' - 87'6"		Volcanic
87'6" - 92'	1'2"	1' Volcanic
(Vol/Skarn Contact 89'1")		
92' - 99'	1'6"	Balance Garnetite
(Skarn/Volcanic contact 93'1")		
99' - 104'8"	8"	6" Skarn Garnetite
104'8" - 106'6"		Balance Volcanic
106'6" - 116'6"		Volcanic
116'6" - 120'9"		"
120'9" - 124'8"		"
124'8" - 129'		"

HOLE NO. 20  
0-156' @ -60°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0'-14'		Casing
(14' overburden/Skarn contact)		
14' - 17'7"		Skarn - Garnetite
17'7" - 23'	5"	" "
23' - 28'4"		6" Skarn-Garnetite
		30" " " (Heavily oxidized)
		22" " " Heavy in pyroxenes & Calcite
28'4" - 30'4"	1'	Skarn-Garnetite
30'4" - 35'2"	3'4"	9" Skarn-Garnetite (Heavily oxidized)
		9" " " Calcite heavy in pyroxene
35'2" - 40'5"		Skarn-Garnetite
40'5" - 45'8"	3"	Skarn-Garnetite
45'8" - 54'	4"	Skarn-Garnetite
54' - 58'	3"	Skarn-Garnetite
58' - 64'6"		3" Skarn-Garnetite
		Balance Dyke
(Skarn/Dyke 58'5")		
64'6" - 68'		Dyke
68' - 74'9"	1'9"	1'6" Dyke
(Dyke/Skarn 70'4")		Balance - Skarn (Garnetite)
74'9" - 83'5"	2"	Skarn (Garnetite)
83'5" - 90'5"	9"	" "
90'5" - 99'6"	3'2"	" "
(Skarn/Volcanics 99'6")		
99'6" - 104'	2'6"	Volcanic - Greenstone bordering on skarn
104' - 106'	1'6"	" " " "
106' - 109'2"	8"	" " " "
109'2" - 112'7"	10"	" " " "
112'7" - 115'8"	9"	" " " "
115'8" - 121'	1'2"	" " " "
121' - 123'5"	1'4"	" " " "

HOLE NO. 21  
0-156' @ - 60°

	<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
	14' - 16'6"	6"	Limestone
	16'6" - 21'8"	2'10"	Limestone
	21'8" - 26'9"	1'	Limestone
	26'9" - 32'	5"	Limestone
	32' - 42'6"	4"	2'9"
14'9" Ls/V)			8" Volcanic (Fine grained greenish rx.)
15'5" V/Ls)			6'9" Limestone
	42'6" - 47'	1'6"	2'10"
15'4" Ls/Dyke)			2" Dyke
	47' - 51'6"	3'4"	3" Dyke
			9" Limestone
50'7" Dyke/Ls)			
53'6" Ls/D)	51'6" - 56'6"	3'	Limestone
56'6" D/Ls)	56'6" - 61'	3'6"	6" Dyke
			6" Limestone
63'6" Ls/D)	61' - 69'2"	4'8"	2'6" Limestone
68'6" D/Ls)			4" Dyke - 8" Limestone
	69'2" - 79'		4" Limestone (Porphyritic)
			1' Limestone
			6" Limestone (Porphyritic)
			10" Limestone
	79' - 82'6"	1'6"	Skarn - 1' Garnetite
			" - 1' Altered calcareous rx. heavy in iron sulphides.
	82'6" - 88'9"	1'6"	Dyke
	88'9" - 92'6"	1'6"	1'4" Dyke
			6" Limestone
			5" Dyke
	92'6" - 97'6"	2"	Dyke
	97'6" - 103'10"	2"	Dyke
	103'10" - 113'	6'9"	Skarn - Altered Calcareous rx. heavy in pyroxenes and iron sulfides
	113' - 119'3"	1'5"	3'6" Skarn - Altered calcareous rx. heavy in pyroxene
			6" Skarn - Silicified limestone (Qtz)
			10" Skarn - Altered calcareous rx. heavy in pyroxene
	119'3" - 122'	11"	Skarn - Mainly pyroxene
	122' - 127'3"	5"	Skarn - Altered Limestone heavy in pyroxene and iron sulfide.
	127'3" - 134'3"	2'9"	3' "
			1' Quartz Stringer
	134'3" - 137'	6"	3' Skarn - Altered limestone heavy in pyroxene
			1'2" " "
			1'1" " Tending to garnetite
	137' - 145'	5'3"	Skarn - Altered limestone heavy in pyroxene.
	145' - 149'6"	2'8"	Volcanic bordering on skarn
	149'6" - 152'6"	2'3"	" " "
	152'6" - 156'	1'8"	Volcanic



HOLE NO. 22  
0-169' @ - 85°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0 - 14'		Casing
14' -20'4"	3'10"	Limestone
20'4"-27'	2'9"	Skarn-Altered Limestone tending to garnetite
27' -31'6"	2'4"	Limestone
31'6"-37'	1'5"	"
37' -41'8"	1'10"	"
41'8"-46'10"	5"	"
46'10"-51'10"	1'9"	"
51'10"-57'	2'7"	"
57' -62'	8"	"
62' -69'3"	11"	Fine grained greenish rx.
69'3" -73'	2"	2" Fine grained greenish rx.
		3'5" Limestone
73' -77'		Limestone
77' -82'6"		"
82'6" -89'		"
89' -91'	2"	"
91' -92'		"
92' -97'		"
97' -104'6"	1'9"	"
104'6"-110'6"	1'	1' Limestone
		4' Dyke
110'6"-115'	2"	Dyke
115' -119'6"	1'2"	9" Dyke
		2'7" Skarn-altered limestone heavy in hematite
119'6"-124'6"	3'2"	Skarn - Altered Limestone
124'6"-129'2"	11"	" " " tending to garnetite
129'2"-133'7"	3'5"	Skarn - Altered Limestone
133'7"-138'6"	1'7"	" " " tending to garnetite
138'6"-144'	2'10"	" " "
144' -148'6"	1'6"	Skarn - Garnetite
148'6"-154'4"		Pyroxene
154'4"-159'10"		Skarn - tending to garnetite
159'10"-164'		Skarn - heavy in pyroxene
164' -169'		Skarn - heavy in pyroxene and hematite tending to garnetite

HOLE NO. 23  
0-201' @ - 75°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0 - 17'		Casing
17' - 21'	2'4"	Limestone
21' - 26'6"	2'6"	"
26'6" - 36'	6'3"	"
36' - 43'	1'2"	5'2" Limestone
		6" Skarn - Altered Limestone
43' - 45'6"	3"	"
45'6" - 54'6"	7'8"	1'6" "
		Limestone
54'6" - 60'8"	3'2"	Limestone
60'8" - 64'8"	8"	Fine grained greenish black rx.
64'8" - 66'4"		3" Fine grained greenish black rx.
		1'5" Limestone
66'4" - 76'4"	8'10"	Limestone
76'4" - 86'	3'10"	"
86' - 89'	1'7"	"
89' - 93'9"	3'3"	1' Limestone
		6' Skarn - garnet chips
93'9" - 96'8"	1'5"	Skarn - mainly garnet
96'8" - 100'	10"	Skarn - Altered limestone
100' - 103'	4"	" "
103' - 107'6"	1'	" "
107'6" - 115'		1'6" Skarn - Garnetite
		5' " - Altered Ls.
115' - 118'4"		Skarn - Altered Ls. with some garnetite
118'4" - 123'		" "
123' - 127'6"		" "
127'6" - 133'6"		" "
133'6" - 137'6"		" "
137'6" - 142'		Skarn - Ls. to altered Ls. with some pyroxenes
142' - 147'		Skarn - Altered Ls. heavy in epidote, pyroxenes
147' - 152'		- ditto -
152' - 157'6"		Skarn - Fine grained greenish Rx. altered with epidote and limestone.
157'6" - 159'	7"	Skarn - Altered Ls. heavy in pyroxene & Epidot
159' - 164'	11"	" "
164' - 169'		" "
169' - 171'9"	1'11"	" "
171'9" - 181'		" "
181' - 184'8"		" "
184'8" - 191'	2'4"	" "
191' - 196'6"		3"
		4'6" Limestone
196'6" - 201'		Limestone

HOLE NO. 24  
0-105'6" @ - 35°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 10'	5'8"	Limestone
10' - 18'	6'6"	"
18' - 24'6"	3'6"	"
24'6"- 34'6"	5'11"	"
34'6"- 41'	5'	"
41' - 49'6"	6'	"
(Ls/Dyke 49'6")		
49'6"- 54'	3'9"	Skarn - Altered Limestone heavy in epidote
54' - 58'	1'11"	"
58' - 62'1"	9"	Skarn - Altered Limestone
62'1"-66'	6"	1'6" Skarn - Altered limestone
		1'11" Skarn - Garnetite
66' - 71'5"	2"	1' Skarn - Garnetite
		4'3" Skarn - Altered Limestone
71'5"- 75'4"	1'	6" Skarn - Altered Limestone
		3'5" Skarn - Garnetite
75'4"- 84'	4'3"	1' Skarn - Garnetite
		3'5" Skarn - Qtz. vein.
(Sk/Dyke 84')		
84' - 87'10"	7"	Dyke
87'10"-97'	8"	"
97' - 101'	2'8"	2" Dyke
(Dyke/Sk 100')		1'2" (Altered) Volcanic - Skarn
(Sk/Vol 101')		
101' - 103'6"	10"	Volcanic
103'6"-105'6"	6"	Volcanic

HOLE NO. 25  
0-103' @ - 10°

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0 - 10'	10'	Limestone
10- 20'	5'10"	"
20- 23'	1'7"	"
23-28'9"	2'9"	"
28'9"-33'	4"	"
33' -39'3"	2'9"	"
39'3"-47'4"	4'7"	4'4" Limestone
(Ls/Dyke 43'7")		2" Dyke
47'4"-52'	1'	8" "
(Dyke/Sk 49')		4' Skarn - Altered Ls. with traces of epidote and garnetite
(Sk/Ls 52')		
52' -56'7"	1'3"	2'6" Limestone (Altered Ls.)
(Ls/Sk 55'9")		10" Skarn - Silicified Ls.
56'7" - 61'	1'9"	Skarn - Quartz vein
61' - 64'	1'1"	Skarn - Garnetite
64' - 69'	1'	Skarn - Garnetite
69' - 77'4"	11"	3' Skarn - Garnetite
(Sk/Dyke 76')		4' Skarn - Altered Ls - Heavy in pyroxenes
77'4" - 85'8"	4"	5" Dyke
85'8" - 95'		10" Skarn-Garnetite
(Sk/Vol 85'8")		4'6" Skarn - heavy in epidote and bordering on volcanics
95' -100'5"	5"	Volcanics
100'5"-102'6"		Volcanics
102'6"-103'		Volcanics

D.D. HOLE #26  
171" @ -85%

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0 - 5	5	Casing in limestone
5 - 10'6"	3'1"	Limestone
10'6" - 12'		"
12' - 15'	1'8"	"
15' - 20'3"	11"	"
20'3" - 25'9"		5' " Fine grained greenish grey calcareous RX
25'9" - 26'6"		"
26'6" - 30'		1'10" "
		1'8" Limestone
30' - 35'6"	1'4"	"
35'6" - 40'	3'3"	"
40' - 43'		"
43' - 46'6"	4"	"
46'6" - 53'6"	5'6"	"
53'6" - 60'6"	5'2"	"
60'6" - 64'6"	1'10"	Limestone
64'6" - 70'	11"	Skarn - Altered limestone
70' - 79'		5' do
		4" Nearly pure calcite slightly silicified showing some chalcopyrite
79' - 83'	1'	"
83' - 87'3"		"
87'3" - 93'5"	3'3"	Skarn - garnetite
93'5" - 96'	11"	1' - Fine grained greenish black RX
		7" Skarn - silicified limestone
96' - 99'4"		Skarn - altered limestone
99'4" - 104'	2'8"	"
104' - 108'4"	1'0"	"
108'4" - 113'6"	9"	"
113'6" - 118'		"
118' - 124'	4'2"	Skarn - Garnetite
124' - 127'	2"	"
127' - 132'	1'4"	"
132' - 136'6"	2'8"	Skarn - Garnetite
136'6" - 145'8"	3'2"	"
145'8" - 155'8"	8'3"	"
155'8" - 161'	4'1"	"
161' - 165'	8"	"
165' - 167'6"	2"	"
167'6" - 169'	8"	"
169' - 171'		Volcanics

Note: The following core bears sampling

87'3" to 87'3" ≠ 1'9"

96' ≠ 1' to 96' ≠ 2'

104' ≠ 1' to 108' 4"

HOLE NO. 27  
0-123' @ - 60° West

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 5'	5'	Casing in limestone
5' - 7'4"	8"	Limestone
7'4"-9'6"	1"	"
9'6"-13'6"	1'7"	"
13'6"-15'	8"	"
15' -18'8"	3"	"
18'8"-23'		"
23' - 28'		"
28' - 31'3"	1'5"	"
31'3" - 33'6"	7"	"

NOTE: Balance of core lost.  
Ls Skarn contact approx. 60'  
Skarn Gs. contact approx. 121'



HOLE NO. 28  
0-89'9" @ - 75° East

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 6'	6'	Casing in limestone
6' - 12'9"	1'7"	1' Limestone
		3'9" Skarn - Garnetite
		2" Fine grained greenish rx.
12'9"-14'10"	1'3"	5" Fine grained greenish rx.
		5" Skarn-garnetite
14'10"-16'1"	1'8"	Skarn - Altered Ls. showing some garnetite and chalcopyrite
16'11" -18'9"	1'6"	- do -
18'9" -20'	5"	- do -
20' - 20'6"		- do -
20'6" -21'6"	1"	- do -
21'6" -25'3"	2'	1' - do -
		9" Limestone
25'3" -27'7"	2"	"
27'7" -34'7"	5'11"	"
34'7" -39'	2'10"	"
39' -42'6"	1'3"	"
42'6" -44'8"		"
44'8" -50'6"	4'10"	"
50'6" -53'6"	4"	1' "
		Skarn - Altered limestone
53'6" -56'6"	1'4"	" "
56'6" -58'	1"	" "
58' -62'4"	2'6"	" "
62'4" -68'	4'	" "
68' -69'6"		Skarn - Garnetite
69'6" -73'6"	2'	" "
73'6" -78'4"		" "
78'4" -81'	4"	" "
81' -86'	1'7"	2'5" Skarn-Garnetite
		1' Skarn-Altered Limestone
86' -89'6"	1'0"	- do -
89'6" -92'	7"	1' - do -
		11" Skarn - Garnetite
92' -98'9"	9"	3' - do -
		3' Skarn - Altered Limestone

HOLE NO. 28

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
98' - 102'		Skarn - Garnetite
102' - 107'		" " Heavy in pyrite
107' - 117'		" - Some garnetite, but heavy in calcite
117' - 127'		" - Garnetite
127' - 134'		" " - Heavy in pyrite
134' - 140'		" " "
	4'	"
	2'	" Altered limestone-very little garnetite
140' - 144'6"	6"	Limestone
144'6"-154'	3'6"	"
154' - 164'		"
164' - 170'		"
	5'	"
	1'	Dyke
170' - 177'	2'	"
	1'	"
	4'	Limestone.

HOLE NO. 28

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
177' -180'6"		Limestone
180'6"-185'6"		"
185'6"-192'		"
192' -197'6"		"
197'6"-200'6"		"
200'6"-202'		"
202' -204'6"		"
204'6"-209'		"
209' -214'		"
214' -219'		"
219' -224'		"
224' -226'6"		"
226'6"-232'6"		"
232'6"-236'6"		"
236'6"-241'6"		"
241'6"-242'6"		"
242'6"-249'		Dyke
249' -255'		"
255' -259'		"
259' -262'		"
262' -265'6"		Fault
265'6"-268'		"
268' -271'		"

HOLE NO. 29

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
-22'3"		Casing
22'3" -24'		Limestone
24' -25'		Skarn - Heavy in garnetite but mainly altered Limestone
25' -31'	1'      4'	"
	1'	
31' -34'	3'6"	Skarn - Altered Limestone bordering on volcanics Skarn - Altered Limestone
34' -35'	Fault 9"	Fault gouge

HOLE NO. 30

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
		Casing
6' - 6'		Volcanic
6' - 11'	1'	"
11' - 13'	2"	"
13' - 17'		"
17' - 20'6"		"
	1'	
	2'6"	Skarn - Volcanic Skarn Contact
20'6" - 21'6"		Skarn - Garnetite
21'6" - 23'6"		"
23'6" - 28'6"	1'7"	"
28'6" - 33'6"	6"	"
33'6" - 37'6"		"
37'6" - 42'6"	6"	"
42'6" - 46'	9"	"
		"
	Lost Water at 46'	
46' - 48'	9"	Limestone
48' - 52'6"	6"	"
52'6" - 56'		"
56' - 58'6"	9"	Dyke
58'6" - 65'6"	1'6"	"
		5'
		6'
65'6" - 68'	1'2"	Limestone
68' - 70'		"
		"

HOLE NO. 31

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
		Casing
5'6" - 5'6"		Skarn - Garnetite
5'6" - 11'		" - Altered Limestone
11' - 14'6"		" " "
14'6" - 20'6"	1'6"	" " "
20'6" - 24'		" " "
2	1'	
	3"	Skarn - Garnetite
	2'3"	" Altered Limestone
24' - 26'6"		" " "
26'6" - 30'6"	9"	" " "
	2'3"	" " " Highly Silicified
	1'	" " "
30'6" - 33'6"		Volcanic
33'6" - 34'6"		"
34'6" - 35'		"
35' - 37'6"		"
37'6" - 39'		"
39' - 40'6"		"
40'6" - 43'6"		"
43'6" - 45'		"
45' - 50'		"
50' - 54'	3'	"
	6"	Skarn - Some garnetite
	6"	" - Altered Limestone
54' - 58'6"	1'9"	" - " "
	2'9"	" - Mainly Garnetite
58'6" - 60'		" " "
60' - 60'6"		
60'6" - 63'6"	1'	Dyke
		Skarn - Silicified Ls. Mainly Quartz with some mica
63'6" - 69'6"	1'	"
69'6" - 71'6"		"
71'6" - 72'		"
72' - 75'6"	1'	"
75'6" - 77'		"
77' - 77'6"		"
77'6" - 81'		
81' - 85'	3'	Dyke
	1'	"
85' - 92'		Skarn - Altered Limestone
92' - 96'		Skarn - Altered Limestone
96' - 98'8"		"
98'8" - 99'8"		
99'8" - 104'9"		
104'9" - 108'	1'6"	Dyke
	3'9"	"
108' - 112'		Skarn - Altered Limestone
112' - 115'		" " " Near volcanic
115' - 117'		"
117' - 119'6"		"
119'6" - 123'		"
123' - 128'		"



<u>Footage</u>	<u>G.C.</u>	<u>Description</u>
4'		Skarn - Casing Limestone
4 - 7	3"	Volcanics
7 - 9	1'	
9 - 10'6"	8"	
10'6" - 14'	1'	
14' - 20'6"	2'	Skarn-Altered Limestone
20'6" - 24'6"		"
24'6" - 31'		"
31' - 34'6"	2'8"	"
34'6" - 37'6"	1'8"	Volcanic - border phase altered L.S. & volcanics
37'6" - 40'6"	3"	
40'6" - 44'6"		
44'6" - 47'6"	8"	
47'6" - 50'6"		
50'6" - 53'	1'	
53' - 55'	3"	
55' - 57'6"	6"	
57'6" - 59'6"	8"	
59'6" - 61'	2"	
61' - 66'6"	3"	Do
66'6" - 70'		
70' - 73'	6"	
73' - 76'	8"	
76' - 79'6"	4"	
79'6" - 82'		
82' - 87'6"		
87'6" - 92'6"		
92'6" - 95'6"	3"	
95'6" - 98'6"	1'	
98'6" - 103'		
103' - 107'	1'6"	
107' - 113'		Skarn-garnetite (heavy in chalcopyrite 108'6" - 109'6")
113' - 119'	4'6"	Skarn-Garnetite
	1'6"	Skarn-Border phase of altered volcanics
119' - 121'		Dyke
121' - 127'		"
127' - 132'6"		"
132'6" - 137'		"
137' - 140'		" Volcanic-Skarn-Vol border phase altered Ls.
140' - 143'		
143' - 145'6"		
145'6" - 148'	1'	
148' - 153'		
153' - 156'		Skarn - Altered Limestone mainly garnetite
156' - 160		"

<u>Footage</u>	<u>G.S.</u>	<u>Description</u>
160' - 165'		Skarn - Altered Limestone
165' - 170'6"		" " " Mainly Garnetite heavy in He .
170'6" - 175'		
175' - 179'6"		
179'6" - 183'	1'	Skarn-Altered Limestone
183' - 188'		" "
188' - 194'		" "
194' - 201'	5½'	" "
201' - 206'		Volcanic - Border phase altered L.S. & volcanic
206' - 212'6"		"
212'6" - 213'		"
213' - 217'		"

HOLE NO. 32

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
217 - 221		Volcanic
221 - 226		"
226-227'6"		"
227'6"-230'6"		"
<del>230'6"-232'6"</del>		
230'6"-242		1'3" Calcite heavy in zinc (Sphalerite)
		3' Volcanic
		2'3" "
		3'1" "
		3'3" Skarn - altered limestone
242 - 249		"
249-253'6"		"
253'6"-257'6"		"
257'6"-261		"
261 - 267	2'	"
267 - 271	1'6"	"
271 - 273	9"	"
273-281'6"	6"	"
281'6"-285'6"		"
285'6"-288		"
288-293		"
293 - 298		"
298-303'6"		"
303'6"-306		"
306 - 309	1'6"	9" Slip Fault
		3'9" Volcanic
309-315		"
315-320'6"		1'3" Skarn - Garnetite
		4'3" Limestone
320'6" - 328		"
328 - 334		"
334 - 337'6"		"
337'6"-340		"
340 - 347		"
347 - 354		3" "
		2' Dyke
		5'9" Limestone
354 - 362		"
362 - 368		"
368 - 371		"
371 - 378		1'6" "
		1'6" Fault
378 - 381	2'	Fault

Trace Chalcopyrite

HOLE NO. 32

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
381' - 384'	1'6"	Fault
384' - 389'		Volcanic
389' - 392'		"
392' - 395'		"
395' - 400'	2'6"	"
400' - 407'6"	7'6"	"

HOLE NO. 33

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
4'	3"	Casing
4' - 6'6"	3"	Skarn-Garnetite
6'6" - 10'6"		"
10'6" - 15'6"		" Heavy in quartz.
15'6" - 21'		Skarn - Altered Ls. some garnetite. Heavy in Qtz
21' - 26'	1'6"	Skarn - Altered Ls.
	4'	" " Heavy in Qtz. & mica
26 - 30'		Quartz
30' - 33'		"
33' - 35'		Fine grained aphanitic black rock with calcite crystals.
35' - 37'6"	1'	Skarn - altered limestone
37'6" - 41'		Volcanic
41' - 47'		Skarn - altered limestone, possibly volcanic
47' - 52'		Skarn - altered limestone
52' - 57'		
57' - 62'		
62' - 65'		3" Skarn-Garnetite
		2'9" " - Altered Limestone
65' - 70'		6" " - Garnetite
		4'6" " - Altered Limestone
70' - 73'6"		1' " - Altered Limestone
		6" " - Garnetite
		2' " - Altered Limestone
73'6" - 79'	6"	" - Altered limestone-practically volcanic
79' - 82'		" " " " "
82' - 83'		" " " " "
83' - 84'		" " " " "
84' - 87'	1'	" " " " "
		1'6" Dyke
87' - 90'		1'6" "

HOLE NO. 34

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
1'6"		Casing
1'6" - 8'		Skarn - Garnetite
8' - 13'		" "
13' - 18'		" "
<del>18' - 23'6"</del>	<del>1'</del>	" - Altered Limestone
18' - 23'6"	1'	" " "
23'6" - 27'		" " " Some pyrite
27' - 30'6"		" " "
30'6" - 32'		" (Volcanic) Altered Ls. Some Pyrite
32' - 37'		" - Altered Limestone
37' - 41'		" " "
41' - 46'		" " "
46' - 52'6"	3'3"	" " "
52'6" - 55'		" " "
55' - 60'	2'9"	" " "
60' - 63'6"		" " "
63'6" - 66'6"	4'6"	" " "
66'6" - 71'6"	3'6"	" " "
71'6" - 74'	1'	" " "
74' - 79'6"	1'	" " "
		6"
79'6" - 83'		4' Dyke
		2' "
		1'6" Skarn - Altered Limestone
83' - 86'6"		Volcanic
86'6" - 88'6"		"
88'6" - 90'6"		"
90'6" - 92'6"		"
92'6" - 97'		"



HOLE NO. 35

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
3'6"		Casing
3'6" - 5'6"		Volcanic
5'6" - 9'6"		Dyke
9'6" - 10'6"		"
10'6" - 13'		"
13' - 17'		Skarn - Altered Ls. tending to volcanic
17' - 21'		" " "
21' - 26'		" " "
26' - 30'		" " "
30' - 36'		" " "
36' - 41'		" " "
41' - 44'		" " "
44' - 50'		" " "
50' - 56'	1'	" " "
56' - 59'	2'	" " "
59' - 62'6"	3'6"	" " "
62'6" - 69'		" " "
69' - 73'	2'	" " "
73' - 78'		" " "
78' - 82'		" " "
82' - 82'6"		" " "
82'6" - 88'	6"	" " "
		1'6"
		1'
		2'6"
		Quartz
		Skarn - Altered Ls. Tending to volcanic
88' - 94'		" " "
94' - 97'		" " "
97' - 102'		" " "
102' - 104'		" " "
104' - 107'6"	2'9"	" " "
107'6" - 111'	1'	" " "
111' - 116'		" " "
116' - 121'		" " "
121' - 126'6"		" " "
126'6" - 130'6"		" " "
130'6" - 136'		" " "
136' - 141'6"	3'	" 153-158 G.C. 1'
141'6" - 147'6"		" 158 - 163
147'6" - 151'	1'6"	" 163' - 164'6"
151' - 153'	1'	" 164'6" - 169'

HOLE NO. 36

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
6'	6"	Casing
6' - 12'6"	6"	Volcanics
12'6" - 15'		"
15' - 17'		"
		1'
		1'
17' - 18'	1'	Skarn - Altered Limestone
18' - 22'6"	1'6"	" " " Mainly Garnetit
		6"
		2'6"
22'6" - 28'		" - Mainly garnetite
28' - 32'		Volcanics

HOLE NO. 37

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
2'6"		Casing
2'6" - 5'		Volcanic
5' - 10'6"		"
10'6" - 15'		"
15' - 18'6"		"
18'6" - 21'6"	2'	"
21'6" - 23'		"
23' - 25'		"
25' - 28'		"
28' - 30'		"
30' - 33'		"
33' - 38'6"		"
38'6" - 40'		"
40' - 43'6"		"
43'6" - 48'		"
48' - 51'		"
51' - 53'		"
53' - 58'		"
58' - 61'		"

HOLE NO. 36

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
2'		Casing
2' - 13'		Volcanic
13' - 18'		"
18' - 23'		"
23' - 28'6"		"
28'6" - 34'	1'	"
34' - 40'	1'	"
40' - 45'		Skarn - Altered Ls.-Black fine grained Calcareous rx. - Some pyrite
45' - 49'		"
49' - 54'		"
54' - 58'		Skarn - Altered Limestone
58' - 63'		" - Mainly Garnetite
63' - 67'	1'3"	" "
67' - 73'6"	1'	" "
73'6" - 78'6"		" "
78'6" - 79'6"		Dyke
79'6" - 83'		6" Dyke
		3' Skarn - Mainly Garnetite
83' - 88'		1'6" "
		3'6" Dyke
88' - 93'6"		2'
		3'6" Skarn - Mainly Garnetite
93'6" - 98'6"		"
98'6" - 103'6"		"
103'6" - 108'6"		"
108'6" - 112'6"		"
112'6" - 116'		Skarn - Altered Ls.
116' - 126'		"
126' - 148'	2'	"
148' - 158'		"
158' - 168'		" Some Garnetite
168' - 179'	1'	Skarn - Mainly Garnetite
179' - 188'		"
188' - 194'6"		"
194'6" - 199'		"
199' - 202'		Skarn - Altered Ls. Some Garnetite

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
202' - 204'		Skarn - Altered Limestone
204' - 206'6"		1'9" Skarn - Mainly Garnetite 9" Volcanic
206'6" - 208'6"		
208'6" - 210'6"		
210'6" - 211'6"		
211'6" - 214'		
214' - 216'		
216' - 218'		
218' - 219'6"	1'	
219'6" - 220'6"		
220'6" - 223'6"		
223'6" - 226'		
226' - 230'6"	1'6"	
230'6" - 235'		
235' - 240'	1'6"	
240' - 243'		
243' - 248'		
248' - 253'		Skarn - Altered Limestone
253' - 256'6"		"
256'6" - 260'6"		"
260'6" - 265'6"		"
265'6" - 276'6"	6'	Some garnetite 7'6" Skarn - Mainly Garnetite 2'6" " - Altered Ls. (Bordering on Pure Ls.)
276' - 280'		Limestone
280' - 285'		"
285' - 295'		9'6" Limestone 6" Dyke 6" "
295' - 303'		7'6" Limestone 10" "
303' - 304'		2" Fault Gouge
304' - 307'		Limestone
307' - 312'		"
312' - 318'		"

HOLE NO. 39

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
5' 6" -		Casing
5' 6" - 7' 6"	1'	Volcanic
7' 6" - 10'		"
10' - 12' 6"		"
12' 6" - 17' 6"		"
17' 6" - 23' 6"		"
23' 6" - 25' 6"		"
25' 6" - 30' 6"		"
30' 6" - 32' 6"		"
32' 6" - 38'		"
38' - 43'		2' Skarn - Altered Limestone
		3' Volcanic
43' - 46'		1' "
		2' Skarn - Altered Limestone
46' - 49'		" - Altered Limestone, Mainly Garnetite
49' - 56'		" - Garnetite
56' - 63'		" "
63' - 70' 6"		" "
70' 6" - 77'		" "
77' - 80'		9" " "
		1' 3" Dyke
		1' Skarn - Garnetite
80' - 91' 6"		3' 3" " "
		6' Dyke
		2' 3" Skarn - Garnetite
		Skarn - Garnetite
		" "
91' 6" - 101'		Skarn - Altered Limestone
101' - 105' 6"		" "
105' 6" - 111' 6"		" "
111' 6" - 115' 6"		" "
115' 6" - 117' 6"		" "
117' 6" - 120'		" "
120' - 124'		" "
124' - 129' 6"		1' 3" Skarn - Altered Ls.
		1' 3" Limestone
		3' Skarn - Altered Ls.
129' 6" - 134' 6"		" "
134' 6" - 141'		1' 6" " "
		5' Limestone
141' - 148'	1'	Limestone
148' - 155'	1'	"
155' - 161'	1'	"
161' - 167'		"
167' - 173' 6"		"
	9"	"
	5' 9"	Skarn - Altered Ls.- Mainly Garnetite
173' 6" - 178' 6"		" "
178' 6" - 182'		Skarn - Altered Limestone
182' - 187'		" "
187' - 193' 6"	1'	" "
193' 6" - 200'	1'	" "
200' - 205'	2' 6"	Volcanic
205' - 208' 6"	3'	"
208' 6" - 211'		"
211' - 212' 6"	6"	"

HOLE NO. 39

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
212'6"-216'		Volcanic
216' -220'6"		"
220'6"-223'		"
223' -226'		"
226' -228'		"
228' -232'		"
232' -236'		"
236' -238'		"
238' -248'6"		"
248'6"-255'6"		Skarn-Altered Limestone-Mainly Garnetite
255'6"-259'6"		" "
259'6"-265'6"	2'	" "
	4'	Limestone
265'6"-271'6"		"
271'6"-276'		"
276' -282'		"
282' -286'		"



HOLE NO. 40

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
2'		Casing
2' - 12'6"		Volcanics
12'6" - 14'		"
14' - 17'6"		"
17'6" - 21'		"
21' - 26'		"
26' - 30'6"		"
30'6" - 35'6"		"
35'6" - 37'6"		"
37'6" - 40'6"		"
40'6" - 43'6"		"
43'6" - 48'		"
48' - 53'		"
53' - 58'		"
58' - 60'		"
60' - 63'6"		"
63'6" - 67'		"
67' - 77'		6' Skarn - Mainly Garnetite
		4' " - Altered Limestone
77' - 82'6"	6"	Skarn - Altered Limestone
82'6" - 86'		" "
86' - 97'6"	3'6"	" "
97'6" - 107'		9" " "
		8'9" Dyke
107' - 114'	4'6"	9" "
		1'3" Skarn - Altered Limestone (2' cavity at 112')
114' - 119'	9"	Skarn - Altered Limestone
119' - 122'6"		" "
122'6" - 127'		" "
127' - 130'		" "
130' - 135'		" "
135' - 137'		" "
137' - 142'		1' " "
		4' Limestone
142' - 143'6"		"
143'6" - 153'6"		"
153'6" - 163'6"	1'	"
163'6" - 170'		Skarn - Silicified Limestone
170' - 177'		Limestone
177' - 182'	1'	"
182' - 184'6"		"
184'6" - 189'	6"	1'6" Limestone
		2'6" Skarn - Altered Limestone
189' - 190'6"		Skarn - Altered Limestone
190'6" - 194'6"		" "
194'6" - 199'		" "
199' - 200'		" "
200' - 202'		" "
202' - 205'	1'	Volcanic
205' - 212'		"
212' - 217'		"
		" Some Garnetite Heavy in Hematite

HOLE NO. 40

<u>Footage</u>	<u>Ground Core</u>		<u>Description</u>
217' - 222'	1'	1'	Volcanic
		4'	Skarn - Altered Limestone
222' - 227'	6"		" "
227' - 232'	1'		" "
232' - 237'			" "
237' - 240'			Some Garnetite
240' - 245'	1'6"		Mainly "
245' - 249'			" "
249' - 254'			" "
254' - 259'			" "
259' - 264'	1'		" "
264' - 265'6"			Limestone - Decomposed - Slightly Altered
265'6" - 270'6"	1'6"		"
270'6" - 275'	2'6"		"
275' - 280'	3'		"
280' - 287'	2'		"
287' - 292'	2'		"
292' - 297'	5'6"		"
297' - 300'	1'6"		"
300' - 302'6"	1'		"
302'6" - 311'6"			Dyke
311'6" - 314'			Skarn - Altered Limestone Bordering Volcanics
314' - 315'6"			
315'6" - 318'6"	6"	Volcanic	Volcanics - Black fine grained rx. (dyke)
318'6" - 320'6"	6"		"
320'6" - 323'6"			"
323'6" - 326'			"
326' - 330'			"
330' - 333'			"

Hole No. 40

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
333' - 336'6"	6"	
336'6" - 340'	6"	6" Dyke
		2'6" Skarn - Altered Limestone
340' - 343'6"	3"	"
343'6" - 349'		"
		"
		Last 2'6" heavy in sphalerite with some chalcopyrite
349' - 353'6"	6"	Skarn - altered Limestone
353'6" - 355'6"	9"	"
355'6" - 357'	1'3"	Fault
357' - 363'	3'10"	"

HOLE NO. 41

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
0' - 5'6"		Limestone
5'6" - 10'		"
10' - 15'		Skarn - Garnetite
15' - 21'		Limestone
21' - 22'		"
22' - 24'		Skarn - Garnetite
24' - 25'6"		" "
25'6" - 27'		Limestone
27' - 30'		Skarn - Garnetite
30' - 36'		Limestone
36' - 41'		"
41' - 45'		"
45' - 49'		"
49' - 53'		"
53' - 56'		Skarn - Garnetite
56' - 61'		" "
61' - 66'		" "
66' - 69'		" "
69' - 71'6"		" "
71'6" - 75'6"		" "
75'6" - 80'6"		" "
80'6" - 86'6"		" "
86'6" - 91'		" "
91' - 95'6"		" "
95'6" - 101'		" "
101' - 102'6"		" "
102'6" - 105'		" "
105' - 110'		" "
110' - 115'6"	1'	Skarn - Garnetite
	4'6"	Limestone
115'6" - 121'		"
121' - 128'6"		"
128'6" - 134'	4'	"
134' - 139'	1'	Dyke
	1'	"
	5'	Limestone

SOLE NO. 41

<u>Footage</u>	<u>Ground Core</u>	<u>Description</u>
139' -145'		Limestone
145' - 149'6"		"
149'6"-155'		"
155' -160'6"		"
160'6"-165'6"		"
165'6"-171'		"
171' -176'		"
176' -181'		"
181' -185'		"
185' -190'6"		"
190'6"-196'		"
196' -201'	4'6"	"
	6"	Dyke
201' -205'		"
205' -216'		"
216' -221'		Limestone
221' -225'		"
225' -228'		"
228' -234'		"
234' -238'6"	4'6"	"
	1'	Skarn - Altered Limestone
238'6"-244'		" "
244' -246'6"		" "
246'6"-251'6"		" "
251'6"-252'6"		" "
252'6"-255'6"		" "
255'6"-260'6"		Volcanics
260'6"-264'6"		"
264'6"-269'		"
269' -273'6"		"
273'6"-277'		"
277' -283'		Mixture Volcanics & Ls. - Skarn-Altered Ls.
283' -288'		"
288' -291'6"		"
291'6"-296'6"		"
296'6"-300'		"