KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 200

Location ..... BEACH SECTION 6N .....

Final Depth..... 579' (176.5m) .....

Dip..... VERTICAL .....

Date Commenced 1/6/67 .....

Elevation 1-03' .....

Co-Ords. 99907-3 92.74S, 10945-03 1945-03' E .....

Bearing .....

Date Completed 14/7/67 .....

1GG Co-ords · 220,231·5 E, 564095·9 N : R.L. = 3·6m

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	70' 21.3m	70'	NO CORE.	
70'	176' 53.6m	106'	VOLCANICS: lavas, tuffs and agglomerates, which are grey to green, fine grained and massive.	
176'	184' 5.4m	8'	BIOTITE HORNFELS: dark grey to black, fine grained and massive showing slight brecciation. There is broken core from 171' to 184'. 179' - 184' Only one foot recovery.	
184'	204' 62.2m	20'	PYROXENE HORNFELS: mainly green, medium grainedd and crystalline with patches of garnet pyroxene hornfels which are mineralised. 193' - 194' Sampled. 194' - 197' 6" Sampled. 197'6"-200' Sampled. 200' -203' Sampled.	1·63 0·51 0·44 0·90
204'	254' 77.4m	50'	BIOTITE HORNFELS: dark grey, fine grained and thinly bedded to massive. It varies to biotite actinolite hornfels and pyroxene hornfels in patches, some of the latter having depths of up to one foot. 215' - 217' Broken core with slight brecciation. 243' - 254' Broken core also with evidence of brecciation. There is a lot of broken core throughout the section, with calcite fillings. Possible Sh/Ch interbature	
254'	265'6" 80.9m	11'6"	HYBRID ROCK: massive, green grey and hard with a similar appearance to quartzite.	
265'6"	269' 82m	3'6"	PYROXENE HORNFELS: green, fine grained, hard and massive. 265'6" - 267' Garnet rock, which is brown, fine grained and crystalline with calcite stringers and a few fine specks of scheelite.	
269'	328' 100m	59'	BIOTITE ACTINOLITE HORNFELS: dark grey, mainly with darker spots. This grades to biotite hornfels in patches. 295' - 300' Badly broken core. There are odd patches of pyroxene hornfels (possibly volcanics?) and also brecciation at 308' and 312'6".	

'SURVEYS' OF DDH'S NOT IN LOG

163	15'	88°
160	300'	74°
	420'	74°
150	100'	73°
	200'	72°
	280'	74°
	395'	76°
161	100'	50°
	200'	49°
	300'	49°
	360'	49°

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 200

Footage From	Footage To	Length	Description	Assay WO₃
328'	346' (105.5m)	18'	PYROXENE HORNFELS: fine grained, green massive and thinly beddd. It is more crystalline and medium grained from 338' with patches of light brown garnets.	
346'	362'6" (110.5m)	16'6"	GARNET PYROXENE HORNFELS: medium grained, green brown and massive with patchy, weak scheelite mineralisation.	
			347'6" - 350'6" Sampled.	0.29
			354'6" - 355'6" Unsampled. Very weak scheelite mineralisation.	
			358' - 362' Sampled.	0.84
362'6"	410'6" (125.1m)	48'	HYBRID ROCK: mainly biotite hornfels and biotite actinolite hornfels with occasional bands of pyroxene hornfels which grades into more thinly bedded biotite actinolite horfels.	
410'6"	416' (126.8m)	5'6"	PYROXENE GARNET HORNFELS: poorly developed and mainly dark garnet with very weak to absent reaction rims. There are occasional patches of very coarse scheelite mineralisation, that is single crystals ~~are very large at~~ 412'.	
416'	451'6" (137.6m)	35'6"	GARNET HORNFELS: coarse grained crystalline garnet hornfels with pyroxene, green brown and massive with very ~~low~~ high grade disseminated scheelite mineralisation. Core Recov. & Part Recov	
			416' - 423' 7' Sampled. 3' Recov.	1.81
			423' - 427' 4' " 2' Recov.	3.15
			427' - 433'6" 6'6" " 5' Recov.	2.02
			433'6" - 439' 5'6" " 2'6" Recov.	2.00
			439' - 441' 2' " 2' Recov.	2.54
			441' - 445' 4' " 4' Recov.	1.98
			445' - 450'6" 5'6" " 5'6" Recov	0.98
451'6"	458'6" (139.8m)	7'	CALCITE HORNFELS: grey, fine grained and poorly bedded. This grades into pyroxene hornfels.	
			451'6" - 453'6" Biotite hornfels. Full Recov	
458'6"	476' (145.1m)	18'6"	HYBRID ROCK: mainly pyroxene hornfels and garnet pyroxene hornfels with thin bands of biotite hornfels and calcite hornfels. The scheelite mineralisation is weak. Full Core	
476'	541' (164.9m)	65'	HYBRID ROCK: mainly garnet hornfels and garnet pyroxene hornfels with biotite hornfels and pyroxene hornfels and also minor calcite hornfels. The scheelite mineralisation is patchy and fair.	
			485' - 492' Garnet hornfels.	
			460'6" - 466'6" Sampled.	0.33
			466'6" - 472 "	0.68
			480' - 485'6" " Full Core	0.42
			485'6" - 488'6" "	1.96
			488'6" - 492' "	1.63
			492' - 497'6" "	0.86
			497' - 501'6" "	1.06

DIAMOND DRILL CORE LOG SHEETS HOLE No.D.D.H. 200

Footage From	Footage To	Length	Description	Assay WO₃
541'	572' 174.3m	31'	**HYBRID ROCK: thinly bedded pyroxene and biotite hornfels with honey coloured garnets and calcite hornfels bands. There is very weak sporadic scheelite mineralisation in occasional garnet pyroxene hornfels patches.** **468' - 469' good disseminated scheelite mineralisation.**	
572'	579' 176.5m	7'	**OLDER VOLCANICS: fine grained and green with biotite flakes and some patches with white inclusions.** **579' END OF HOLE.**	
			501'6" - 506'6" Sampled.	0.65
			506'6" - 511'6" "	0.41
			511'6" - 516' "	0.54
			516' - 522' "	0.73
			522' - 525' "	0.15
			525' - 530' "	0.73
			530' - 535' "	0.60
			535' - 541' "	0.47

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 200

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1585	185	189	4	0.05	0.018	0.20	
6	189	193	4	0.03	(0.01	0.12	
C 0440	193 (58.8)	194	1	1.39	0.05	1.39	10ft (3.13m)
1	194 (59.1)	197.5	3.5	0.48	0.02	1.68	+ at
2	197.5 (60.2)	200	2.5	0.38	0.01	0.95	
3	200 (61.0)	203	3	0.90	0.04	2.70 (5.28)	0.672 % WO_3
A 1587	203 (61.9)	205	2	0.19	0.016	0.38	
8	205	207	2	0.06	0.019	0.12	
9	343	345	2	0.06	0.013	0.12	
90	345	347	2.5	0.02	0.010	0.05	
C 0444	347.5 (105.9)	350.5 (106.9)	3	0.31	(0.01		3
A 1591	350.5 (10)	353	2.5	0.03	(0.01	0.07	
2	353 (107.6)	355	2.0	0.11	(0.01	0.22	
3	355	358	3	0.05	0.013	0.15	
C 0445	358 (109.1)	362 (110.3)	4	0.84	0.02	3.36	5 4ft (1.22m) at 3.94%
A 1594	362	364	2	0.06	0.016	0.12	
5	364	366	2	0.09	0.025	0.18	
6	408.5	412	3.5	0.05	0.029	0.17	
7	412 (125.6)	414	2	3.70	0.063	7.40	
8	414 (126.2)	416	2	0.16	0.015	0.32	
C 0446	416 (126.8)	423	7	1.77	0.03	12.39	
7	423 (129.9)	427	4	3.10	0.08	12.40	
8	427 (130.1)	433.5	6.5	1.81	0.04	11.77	37.5ft (11.43m) at 1.95% WO_3
9	433.5 (132.1)	439	5.5	2.17	0.05	11.93	
50	439 (133.8)	441	2	2.60	0.05	5.2	
1	441 (134.4)	445	4	1.85	0.03	7.4	C
2	445 (135.6)	450.5	5.5	0.96	0.02	4.32	
3	450.5 (137.3)	456.5	6	0.03	(0.01	0.18	
4	456.5 (139.1)	460.5	4	0.18	(0.01	0.72	
5	460.5 (140.4)	466.5	6	0.32	(0.01	1.92	11.5ft (3.51m) at
6	466.5 (142.2)	472	5.5	0.68	0.03	3.74 (5.66)	0.41% WO_3
7	472 (143.8)	476	4	0.11	(0.01	0.44	
8	476 (145.1)	480	4	0.13	(0.01	0.52	
9	480 (146.3)	485.5	5.5	0.44	0.01	2.42	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 200

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
C 0460	485.5 (148.0)	488.5	3	2.11	0.05	6.33	
1	488.5 (148.9)	492	3.5	1.35	0.05	4.73	
2	492 (150)	497.5	5.5	0.87	0.01	4.78	
3	497.5 (151.6)	501.5	4	1.22	0.03	4.88	
4	501.5 (152.8)	506.5	5	0.65	0.01	3.25	
5	506.5 (154.4)	511.5	5	0.41	(0.01	2.05	
6	511.5 (155.9)	516	4.5	0.54	(0.01	2.43	
7	516 (157.3)	522	6	0.63	0.02	3.78	
8	522 (159.1)	525	3	0.11	(0.01	0.33	
9	525 (160)	530	5	0.72	0.01	3.60	
70	530 (161.5)	535	5	0.53	0.02	2.65	
1	535 (163.1)	541	6	0.47	0.02	2.92	
A 1599	541 (164.9)	543	2	0.18	0.01	0.36	
A 1600	543 (165.5)	545	2	0.03	(0.01	0.06	
1	545 (166.1)	550 (167.6)	5	0.83	0.021	4.15	
			70			43.62	

70 ft (21.34 m) at 0.94

138.0' x 0.94

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 199

Location BEACH SECTION ... 4N

Elevation 3.15' ...

Final Depth 707' ... (215.5m) ...

Co-Ords. 99642.8 ... 357.28 ... 1940.49E ...

Dip ... 75° ...

Bearing ... 315° ...

Date Commenced 17/5/67 ...

Date Completed 16/6/67 ...

I.S.G. Co-ords: 220.218.4 E ; 564016.4 N ; R.L = 43m

Footage From	Footage to	Length	Description	Assays WO_3
0'	70' 21.3	70'	NO CORE.	
70'	318' 96.9m	248'	VOLCANICS: fine to medium grained, green grey lavas, tuffs and agglomerates, with occasional banding. There are broken patches and leaching over the top fifty to sixty feet, with calcite filling the fractures. 214' - 216'6" Aplite dyke. 308'6" Aplite. It becomes more like beds over the lower fifteen feet and grades into pyroxene biotite hornfels.	
318'	335' 102.1m	17'	BIOTITE HORNFELS: bedded biotite hornfels with pyroxene hornfels. Ther are also bands of volcanics over the top two feet which grades into massive biotite hornfels.	
335'	363' 110.6m	28'	BIOTITE ACTINOLITE HORNFELS: fine grained massive and grey to dark grey with bands of actinolite hornfels and biotite hornfels.	
363'	403' 122.8m	40'	HYBRID ROCKS mainly biotite to biotite actinolite hornfels with thin bands of pyroxene hornfels up to one foot deep some with occasional pyrite mineralisation.	
403'	411' 125.3m	8'	PYROXENE HORNFELS: green, fine to medium grained crystalline and massive with patches and bands of light brown garnets.	
411'	424'6" 129.4m	13'6"	GARNET PYROXENE HORNFELS: light brown garnets with green pyroxene hornfels, and also some occasional patches of dark brown garnet hornfels There is weak mineralisation throughout. 413' - 413'6" Very coafse crystalline scheelite. 416' - 419' Sampled. 1.17 419' - 420' Sampled. 0.16 420'-424'6" Sampled. 0.54	
424'6"	450' 137.2m	25'6"	CALCITE HORNFELS: grey, medium grained and crystalline. The scheelite mineralisation is very weak throughout, with patches and bands of pyroxene hornfels and garnet pyroxene hornfels.	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 199

Footage From	Footage To	Length	Description	Assay No.	Assay
450'	463' (141.1m)	13'	GARNET PYROXENE HORNFELS: green with light brown garnets and also patches of pyroxene and calcite hornfels. The scheelite mineralisation is weak. 455'-458' Sampled 458'-462 Sampled		0.34 0.55
463'	477' (145.4m)	14'	BIO _____: dark grey, fine grained and thinly bedded with pyroxene hornfels and patches of garnet pyroxene hornfels over the top two feet. The core was broken in parts.		
477'	490' (149.4m)	13'	PYROXENE GARNET HORNFELS: green pyroxene hornfels with singular inclusions of garnets and calcite. The garnet veins were showing dark green reaction rims. Weak scheelite mineralisation was scattered throughout.		
490'	519' (158.2m)	29'	GARNET PYROXENE HORNFELS: Green brown medium grained and massive. There is pyroxene hornfels with light brown patches and bands of garnet, which is possibly related to pyroxene garnet hornfels, with weak scattered scheelite mineralisation present.		
519'	547' (166.7m)	28'	GARNET HORNFELS: green brown, medium grained and crystalline with good disseminated scheelite. 519'-521' Sampled 521'-524' " 524'-526'6" " 526'6"-533' " 533'-539' " 539'-540'6" " 540'6"-547' "		1.50 8.70 4.70 1.60 1.73 0.31 1.43
547'	558'6" (170.2m)	11'6"	HYBRID ROCK: banded pyroxene hornfels and garnet pyroxene hornfels, with one foot of biotite hornfels at top. There is good patchy scheelite mineralisation throughout. The biotite hornfels becomes more prominent down lower while the garnet grades to the light brown variety. 547'-552' Sampled 552'-555' " 555'-558'6" "		0.43 1.11 1.56
558'6"	571'6" (174.2m)	13'	PYROXENE HORNFELS: green fine grained and weakly bedded with light brown garnets. There is also calcite hornfels and some occasional garnet pyroxene hornfels with weak scheelite mineralisation present. 566'-567'6" Biotite hornfels.		
571'6"	630' (192.0m)	58'6"	HYBRID ROCK: bedded pyroxene hornfels, garnet pyroxene hornfels and biotite hornfels with good patches of disseminated scheelite associated with the garnet pyroxene hornfels. 571'6"-576 Sampled		1.04 1.83 1.57

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 199

Footage From	To	Length	Description	Assay No.	
			582'6"-586' Sampled	060	
			586' - 591'6" Sampled	0.81	
			598' - 603' "	0.64	
			603' - 608' "	0.44	
			608' - 613' "	0.52	
			613' - 619'6" "	0.39	
			619'6"-624'6" "	0.53	
			624'6"-630' "	0.56	
630'	656'	26'	HYBRID ROCK: thinly banded pyroxene and biotite hornfels with garnet pyroxene hornfels gradually diminishing, with a few calcite hornfels bands. The scheelite mineralisation is very weak and scattered.		
	200 m.		640' - 650' Weak brecciation.		
656'	664'	8'	VOLCANICS: older volcanics which are green grey and fine to medium grained with larger crystals.		
	202.4 m.				
664'	694'6"	30'6"	HYBRID ROCK: mainly biotite hornfels with patches and bands of pyroxene hornfels and some light brown garnet.		
	211.7 m.		665' - 700' Brecciation with some weak two inches of scheelite mineralisation. at 694'6".		
694'6"	700'	5'6"	CALCITE HORNFELS: green grey and massive. It is brecciated in part.		
	213.4 m.				
700'	707'	7'	OLDER VOLCANICS: fine grained and massive with grey green ground mass and also large flakes of biotite.		
	215.5 m.				
			END OF HOLE 707'		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 199

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1602	411 (125.3)	413	2	0.11	(0.01	0.22	11.5 ft (3.50 m) at 1.25 % WO_3
3	413 (125.9)	415	2	7.60	0.09	~~15.20~~ 8.0	
4	415 (126.5)	416	1	0.07	(0.01	0.07	
C 0585	416 (126.8)	419	3	1.18	0.07	3.54	B
6	419 (127.7)	420	1	0.13	0.04	0.13	
7	420 (128.0)	424.5	4.5	0.60	0.03	2.70	
A 1605	424.5 (129.4)	427	2.5	0.04	(0.01	0.10	14.99
6	427 (130.1)	429	2	(0.01	(0.01	-	
7	429 (130.8)	431 (131.4)	2	(0.01	(0.01		
8	437 (133.2)	439	2	0.03	(0.01	0.06	
9	439 (133.8)	441	2	0.21	(0.01	0.42	
10	441 (134.4)	443	2	0.17	(0.01	0.34	
1	443 (135.0)	445	2	0.02	(0.01	0.04	
2	445 (135.6)	447	2	(0.01	(0.01		
3	447 (136.2)	449	2	0.09	(0.01	0.18	
4	449 (136.8)	451	2	0.27	(0.01	0.54	
5	451 (137.5)	453	2	0.21	(0.01	0.42	B 13' (4m) at 0.3 % WO_3
6	453 (138.1)	455	2	0.07	(0.01	0.14	
C 0588	455 (138.7)	458	3	0.28	0.01	0.84	
9	458 (139.6)	462	4	0.48	0.01	1.92	
A 1626	462 (140.8)	464	2	0.17	0.013	0.34	3.86
7	464 (141.4)	466 (142.0)	2	0.09	0.025	0.18	
A 1657	486 (148.1)	488	2	0.18	0.015	0.36	
8	488 (148.7)	490	2	0.16	(0.01	0.32	
9	490 (149.6)	492	2	0.56	0.024	1.12	C 6' (1.8m) at 0.4 % WO_3
60	492 (150.0)	494	2	0.24	0.029	0.48	
1	494 (150.6)	496	2	0.40	0.013	0.80	
2	496 (151.2)	498	2	0.21	(0.01	0.42	
3	498 (151.8)	500	2	0.07	(0.01	0.14	
4	500 (152.4)	502	2	0.25	(0.01	0.50	
5	502 (153.0)	504	2	0.10	0.01	0.20	
6	504. (153.6)	506	2	0.08	0.015	0.16	

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 198

Location BEACH SECTION. SW.

Elevation 3.65'

Final Depth [redacted] 563' (171.6m)

Co-Ords 99765.6 234.435, 1933.205

Dip 70°

Bearing 315°

Date Commenced 9/5/67

Date Completed 31/5/67

L.S.G. Co-ords: 220,221.6E ; 564,053.7N ; RL = 4.4m.

Footage From	Footage to	Footage Length	Description	Assays WO_3	
0'	60' (18.3m)	60'	NO CORE.		
60'	226' (68.9m)	166'	VOLCANICS: lavas, tuffs and fragmental agglomerates etc. These are green to grey and fine to medium grained. 60' - 107' (32.6) Broken, with leached appearance. Pyrite mineralisation is scattered throughout. (16.29)		
226'	299' (91.1m)	73'	BIOTITE HORNFELS: black to grey, fine grained and massive with occasional thin bands of pyroxene hornfels associated with pyrite. 246' - 249' Volcanic band. 268' - 270' Volcanic band with patched of biotite actinolite hornfels throughout. 285'6" Aplite vein.		
299'	310' (94.5m)	11'	PYROXENE HORNFELS: green, fine grained with bands of biotite up to six inches deep. 305' - 310' Pyroxene hornfels with light brown garnets ahdpatchy, weak scheelite mineralisation over the lower four feet.		
310'	346'6" (105.6m)	36'6"	GARNET PYROXENE HORNFELS: brown to green brown medium grained and crystalline with patchy to good disseminated scheelite mineralisation. Also there is some scattered sulphide mineralisation.		
			309'6" - 313' Sampled. 3.5 94.3	3.65	
			313' - 318' Sampled. 5	0.15	.3 (8.3m @ 0.97%)
			318' - 324'6" Sampled. 6.5	2.40	
			324'6" - 328'6" Sampled. 4.0	0.60	
			328'6"-333'6" Sampled. 5.0	0.63	
			333'6"-336'6" Sampled. 3.0 102.6	1.19	
			336'6"-340'6" Sampled.	0.38	
346'6"	361' (110.0m)	14'6"	HYBRID ROCK: banded, green and fine grained pyroxene hornfels with fine grained biotite hornfels also with thin bands of fine grained and banded sulphides. With thin bands of		
361'	376' (114.6m)	15'	BIOTITE HORNFELS: mainly fine grained pyroxene dark grey and massive to thinly bedded. This is with some bands of dark green pyroxene hornfels of up to one foot in depth.		
376'	396' (120.7m)	20'	HYBRID ROCK: biotite hornfels with dark green pyroxene hornfels, fine grained and thinly bedded. This grades through biotite actinolite hornfels to pyroxene hornfels.		
396'	417' (127.1m)	21'	ACTINOLITE HORNFELS: grey, fine grained, massive and hard. It grades into biotite		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 199

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 1667	506	508	2	0.06	0.01	0.12	
8	508	510	2	0.34	0.013	0.68	
9	510	512	2	0.03	(0.01	0.06	
70	512	514	2	0.15	(0.01	0.30	
1	514	519	5	0.42	0.017	2.10	
C 0590	519	521	2	1.50	0.05	3.0	
1	521	524	3	8.20	0.41	12.0	
2	524	526.5	2.5	4.90	0.13	12.0	
3	526.5	533	6.5	1.62	0.05	10.53	
4	533	539	6	0.21	0.04	1.26	
5	539	540.5	1.5	1.60	0.04	2.4	111 ft (33.83m) at 0.93% WO_3
6	540.5	547	6.5	0.31	0.01	2.02	
7	547	552	5.0	1.04	0.03	5.20	
8	552	555	3.0	1.75	0.04	5.25	
9	555	558.5	3.5	1.56	0.04	5.46	
C 0600	558.5	561.5	3	0.17	(0.01	0.51	
* 1	566.5	571.5	5	0.38	(0.01	1.90	11 ft at 0.89%
2	571.5	576	4.5	1.08	0.03	4.86	
3	576	580	4	1.175	0.04	7.0	
4	580	582.5	2.5	1.45	0.03	3.63	
5	582.5	586	3.5	0.58	0.01	2.03	
6	586	591.5	5.5	0.82	0.01	4.51	
5027	591.5	598	6.5	0.64	0.01	4.16	
7	598	603	5	0.57	0.01	2.85	
8	603	608	5	0.40	0.01	2.0	
9	608	613	5	0.58	0.01	2.90	
10	613	619.5	6.5	0.35	0.01	2.28	C
1	619.5	624.5	5.0	0.49	0.02	2.45	
C 0612	624.5	630	5.5	0.56	0.02	3.08	
A 1672	630	632	2	0.21	0.015	0.42	
3	632	634	2	0.10	0.01	0.20	
4	634	636	2	0.06	(0.01	0.12	
5	636	638	2	0.07	0.015	0.14	
6	638	640	2	0.07	0.027	0.14	
*1	561.5	566.5	5	0.05 assumed		0.25	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 198

Footage From	Footage To	Length	Description	Assay WO_3
			actinolite hornfels and banded biotite and pyroxene hornfels.	
417'	421' (128.3m)	4'	HYBRID ROCK: mainly green pyroxene hornfels with bands of biotite hornfels.	
421'	429' (130.8m)	8'	PYROXENE GARNET HORNFELS: green, fine grained and massive pyroxene hornfels with coarse angular inclusions, some of which are mainly garnet while others are calcite with rims showing either light or dark reaction rims.	
429'	434' (132.3m)	5'	GARNET PYROXENE HORNFELS: with patches of garnet hornfels, medium grained crystalline and massive with patchy disseminated scheelite mineralisation which is coarse to fine. 430' - 3" of very coarse scheelite mineralisation! PSh	
434'	456' (139m)	22'	[redacted]: light brown - green colour, fine grained and massive with weak scheelite mineralisation, usually as coarse crystals. In places it resembles pyroxene garnet hornfels with dark green reaction rims around the garnets.	
456'	487' (148.4m)	31'	GARNET HORNFELS: brown to green, crystalline medium to coarse grained and massive with minor pyroxene. There is a good dissemination of scheelite mineralisation throughout. 456' - 459' 1 foot of lost core.	
487'	493' (150.3m)	6'	GARNET PYROXENE HORNFELS: green brown, medium grained crystalline in part with a fair dissemination of scheelite mineralisation throughout. 490' - 493' Brecciated? light brown garnets.	
493'	496' (151.2m)	3'	HYBRID ROCK: banded biotite and pyroxene hornfels the latter being crystalline in part. It is brecciated over the lower one foot. 456' - 459'6" Sampled. 1.60 459'6" - 460'6" Sampled. 11.60 460'6" - 467' Sampled. 2.32 467' - 472' Sampled. 1.08 472' - 475' Sampled. 0.78 475' - 479'6" Sampled. 2.08 479' - 484'6" Sampled. 2.11 484'6" - 488'6" Sampled. 2.04 488'6" - 491' Sampled. 0.42	
496'	521' (158.8m)	25'	HYBRID ROCK: badly brecciated garnet pyroxene hornfels and pyroxene hornfels, biotite hornfels with very minor calcite hornfels mineralised in patches. There was a bad loss of core throughout. 499' - 507' Sampled (2'6" lost Core). 0.36 507' - 517' " (4' lost Core). 0.27 517' - 521' " (6' lost Core.) 0.20	

DIAMOND DRILL CORE LOG SHEETS

HOLE No. D.D.H. 198

Footage From	Footage To	Length	Description	Assays WO₃	
521'	530' 161.5m	9'	HYBRID ROCK: badly brecciated, pyroxene hornfels with light brown garnets bedded with bands of biotite hornfels.		
530'	535' 163.1m	5'	CALCITE HORNFELS: brecciated, and "puggy", fine grained and white.		
535'	547' 166.7m	12'	BIOTITE HORNFELS: brecciated, with bands of pyroxene hornfels. Between 538 and 543 feet there is a ~~x~~ calcite hornfels band of unknown thickness.		
547'	563' 171.6m	16'	ELDER VOLCANICS: grey green, fine grained with large flakes of Biotite. It is broken and calcite filled over the upper two feet.		

Total loss of core from 495 to 547 feet was 24 feet in 52 feet.

END OF HOLE. 563'

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 198

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
C 0472	309.5 (94.3)	313	3.5	2.85	0.06	6.35	3.5ft (1.07m) at 2.85% WO_3
3	313 (95.4)	318	5	9.15	(0.01	0.75	
4	318 (96.9)	324.5	6.5	2.73	0.08	17.75	B 31ft (9.45m) at 1.18% WO_3
5	324.5 (98.9)	328.5	4	0.62	0.02	2.48	
6	328.5 (100.1)	333.25	5	0.62	0.03	3.10	
7	333.5 (101.7)	336.5	3	1.32	0.03	3.96	
8	336.5 (102.6)	340.5 (103.8)	4	0.60	0.02	2.40	
A 1667	340.5	343	2.5 (31)	0.04	(0.01	0.10 (36.79)	
8	343	345	2	0.04	(0.01	0.08	
A 1679	425	427	2	0.07	(0.01	0.14	
80	427	429	2	0.08	(0.01	0.16	
1	429 (130.6)	431	2	0.41	0.018	0.81	C 4ft (1.22m) at 1.35% WO_3
2	431 (131.4)	433	2	2.30		4.60 (5.41)	
3	433 (132)	435	2	0.22	(0.01	0.44	
4	435 (132.6)	437	2	0.22	0.012	0.44	
5	437 (133.2)	439	2	0.15	(0.01	0.30	
6	439 (133.8)	441	2	0.14	(0.01	0.28	
7	441 (134.4)	443	2	0.23	0.01	0.46	
8	443 (135)	445	2	0.40	0.017	0.80	
9	445 (135.6)	447	2	0.19	(0.01	0.38	
80	447 (136.2)	451	4	12.30	(0.01	49.20 (4.000)	
A 1691	451 (137.5)	456	5	0.06	(0.01	0.30	
C 0479	456 (139)	459.5	3.5	1.75	0.05	6.13	
80	459.5 (140.1)	460.5	1	11.500	0.31	4.0	
1	460.5 (140.4)	467	6.5	2.25	0.10	14.62	
2	467 (142.3)	472	5	1.06	0.05	5.30	C 94ft (22.56m) at 1.07% WO_3
3	472 (143.9)	475	3	0.80	0.04	2.40	
4	479.0 (144.8)	479.5	4.5	2.17	0.07	9.77	
5	479.5 (146.2)	484.5	5	2.10	0.11	10.50	
6	484.5 (147.7)	488.5	4	2.00	0.07	8.00	
7	488.5 (148.9)	491.	2.5	0.41	0.02	1.02	
A 1692	491 (149.7)	493	2	0.03	(0.01	0.06	
3	493 (150.3)	499	6	0.22	0.027	1.32	
C 0488	499 (152.1)	507	8	0.36	0.02	2.97	
89	507 (154.5)	517	10	0.33	0.02	3.3	
C 0490	517 (157.6)	521	(74)	0.19	0.02	(71.76)	
A 1694	521	525	4	0.06	0.033	0.24	
5	525	529	4	0.09		0.36	

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 197

Location . BEACH SECTION. Elevation . . 155'

Final Depth . . 629' (191.7 m). Co-Ords. 99758.6 241.41S. 1821.61E.

Dip . . . . 70° Bearing . . 315°

Date Commenced . . 15/4/67. Date Completed . . 16/5/67

I.S.G. Co-ords - 220,187.7E / 564056.6N, R.L. = 3.8 m

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	71' 21.6m	71'	NO CORE.	
71'	197'6" 60.2m	126'6"	VOLCANICS. LAVAS. TUFFS AND AGGLOMERATES; grey and green, with scattered pyrite mineralisation, and also some occasional thin sedimentary bands. 94' - 114' Brecciated and broken core. 96' - 100' No recovery. 100' - 102' 6" recovery. 102' - 105' 3" recovery. 105' - 108' 1' recovery. 132'6" - 133' Coarse scheelite associated with pyrite. 134'. 2" of garnetiferrous rock with scheelite mineralisation. Fragmented lava occurs from 130'. 190'6" - 192' Very weak scattered scheelite mineralisation.	
197'6"	231' 70.4m	33'6"	BIOTITE HORNFELS; dark grey, fine grained, massive to thin bedded with occasional thin pyroxene hornfels bands and biotite actinolite hornfels patches. 217' - 218' Aplite.	
231'	235' 71.6m	4'	PYROXENE HORNFELS; (Volcanics?), green, fine to medium grained, and massive to bedded, with calcite veins.	
235'	251' 76.5m	16'	HYBRID ROCK; biotite and pyroxene hornfels thinly bedded. It is mainly biotite hornfels with pyroxene hornfels bands of up to one foot depth.	
251'	271' 82.6m	20'	PYROXENE HORNFELS; green, medium grained and thinly bedded with biotite hornfels bands with patches of light brown garnet over the lower four feet. The scheelite mineralisation is weak and patchy with calcite hornfels bands. 261' - 265' Calcite hornfels.	
271'	287' 87.5m	16'	CALCITE HORNFELS; grey, medium grained, crystalline and massive to faintly banded. It is very weakly mineralised, with pyroxene bands, some containing scheelite mineralisation.	
287'	291' 88.7m	4'	PYROXENE HORNFELS; has large red, brown garnets with notable MoS_2 mineralisation. These garnets are quite friable. Also with apparently garnetiferrous calcite hornfels; this section is weakly mineralised. This is possibly a brecciated zone.	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 197

Footage From	Footage To	Length	Desciption	Assay WO$_3$	
291'	302' 92.0m	11'	CALCITE HORNFELS; Pyroxene Hornfels; grey calcite hornfels with garnets bedded with green pyroxene hornfels, containing garnets and notable MoS_2.		
302'	326' 99.4m	24'	BIOTITE HORNFELS; dark grey, fine grained and massive or banded with pyroxene hornfels bands which are up to one foot deep.		
326'	343' 104.5m	17'	BIOTITE ACTINOLITE HORNFELS; dark grey to grey green, fine grained, and massive to thinly bedded. It grades into actinolite hornfels.		
343'	366' 111.6m	23'	ACTINOLITE HORNFELS; ~~grey green, very fine grained~~ grey green, very fine grained and massive with some occasional pyrite mineralisation.		
366'	382' 116.4m	16'	PYROXENE GARNET HORNFELS; green pyroxene hornfels with large blobs of garnet and calcite with garnet which is showing reaction rims.		
382'	402' 122.5m	20'	GARNET PYROXENE HORNFELS; green brown, medium grained, crystalline and massive with dark brown and honey coloured garnets and very patchy coarse disseminated scheelite mineralisation. 382' - 383' Biotite hornfels.		
402'	407' 124.1m	5'	PYROXENE HORNFELS; Garnet Pyroxene Hornfels; green to green brown and medium grained crystalline, with the garnet pyroxene hornfels as bands and blobs. There is patchy scheelite mineralisation as coarse crystals.		
407'	436' 132.9m	29'	GARNET HORNFELS; brown to green brown in places, as garnet pyroxene hornfels changes into coarse grained crystalline rock with very good scheelite mineralisation which is occassionaly very coarse.		
			384' - 388'6" Sampled.		0.39
			388'6" - 393'6" Sampled.		0.24
			393'6" - 399' Sampled.		0.14
			399' - 403' Sampled.		0.38
			404' - 407'6" Sampled.		0.36
			407'6" - 411' Sampled.		2.33
			411' - 413' " "		8.20
			413' - 415'6" " "		2.00
			415'6" - 420'6" " "		1.45
			420'6" - 426' " "		1.17
			426' - 430' " "		1.66
			430' - 436' " "		1.74
436'	442' 134.7m	6'	HYBRID ROCK; mainly garnet pyroxene hornfels with pyroxene hornfels and minor biotite hornfels with patchy scheelite mineralisation which is associated with garnet pyroxene hornfels bands.		

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 197

Footage From	Footage To	Length	Description	Assay WO.
442'	452' (137.8m)	10'	PYROXENE HORNFELS; mainly fine grained and green pyroxene hornfels with thin bands of biotite hornfels and minor calcite hornfels. There are very few garnet bands, and the section is generally poorly mineralised.	
452'	502' (153m)	50'	HYBRID ROCK; coarse crystalline pyroxene hornfels with bands of up to six inches of garnet hornfels and garnet pyroxene hornfels. The scheelite mineralisation ranges from good to patchy throughout. 451' - 461' Core was lost with only 8ft. recovery. 436' - 437'6" Biotite hornfels with no scheelite mineralisation. 437'6" - 442' Sampled. 452' - 457' " " 457' - 462' " "	0.60 0.98 1.06
502'	512' (156.1m)	10'	HYBRID ROCK; thinly bedded, green pyroxene hornfels, calcite hornfels, biotite hornfels and honey coloured garnet. 509' - 510'6" Garnet hornfels with good scheelite mineralisation.	
512'	544' (165.8m)	32'	HYBRID ROCK; thinly bedded pyroxene hornfels/ biotite hornfels with bands of up to one foot and very occassional thin honey garnet bands.	
544'	573' (174.7m)	29'	OLDER VOLCANICS; grey and green tuffs, lavas etc. Some of these are crystalline and similar to an amphibolite. There is one foot six inches of pyroxene hornfels with a pink garnet band at 571'.	
573'	622'6" (189.7m)	49'6"	HYBRID ROCK; thinly bedded pyroxene and biotite hornfels with numerous honey coloured garnet bands between 595 and 606 feet. 615' - 616' Aplite.	
622'6"	624' (190.2m)	1'6"	GARNET PYROXENE HORNFELS; brecciated and with good scheelite mineralisation.	
624'	629' (191.7m)	5'	There was no recovery of the bit and the reamer and top were also lost in the hole. Three feet of core was drilled out and the ground reported to be broken and clayey. At this point the hole was abandoned. SAMPLE SPLITS CONTINUED. 462' - 467'6" SAMPLED 467'6" - 473' " " 473' - 478' " " 478' - 484' " " 484' - 488' " " 488' - 492' " " 492' - 497' " " 497' - 501' " "	0.68 0.86 0.71 0.64 0.37 1.03 0.86 0.60

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **197 (Dolphin)**

Logged By : -

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	B 1731	126.0	126.1	0.10	1.28	0.06		
	2	126.1	126.2	"	2.37	0.09		
	3	126.2	126.3	"	1.38	0.07		
	4	126.3	126.4	"	1.36	0.06		
	5	126.4	126.5	"	5.30	0.08		
	6	126.5	126.6	"	5.50	0.18		
	7	126.6	126.7	"	5.70	0.18		
	8	126.7	126.8	"	1.00	0.04		
	9	126.8	126.9	"	0.79	0.02		
	40	126.9	127.0	"	0.72	0.03		
	1	127.0	127.1	"	2.95	0.09		
	2	127.1	127.2	"	2.10	0.10		
	3	127.2	127.3	"	0.69	0.04		
	4	127.3	127.4	"	0.60	0.03		
	5	127.4	127.5	"	0.48	0.02		Rock type is
	6	127.5	127.6	"	0.78	0.04		Garnet Skarn
	7	127.6	127.7	"	1.69	0.08		
	8	127.7	127.8	"	2.52	0.09		
	9	127.8	127.9	"	1.84	0.07		
	50	127.9	128.0	"	1.56	0.06		
	1	128.0	128.1	"	1.40	0.06		
	2	128.1	128.2	"	2.90	0.17		
	3	128.2	128.3	"	0.68	0.06		
	4	128.3	128.4	"	0.94	0.10		
	5	128.4	128.5	"	1.60	0.11		
	6	128.5	128.6	"	1.71	0.12		
	7	128.6	128.7	"	0.70	0.09		
	8	128.7	128.8	"	0.99	0.10		
	9	128.8	128.9	"	1.14	0.13		
	B 1760	128.9	129.0	"	1.24	0.16		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 197

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1696	255	257	2	0.07	0.024	0.14	
7	257	259	2	0.05	0.052	0.10	
	259 (78.9)	261	4	0.22		0.88	
	261	265	4	0.07		0.28	
	265	269	4	0.05		0.20	
	280	284	4	0.06		0.24	
	284	288	4	0.06		0.24	
	288	292	4	0.06		0.24	
	292 (89.0)	296	4	0.15		0.60	
	296	300	4	0.02		0.08	
	300	302	2	0.07		0.14	
A 1698	378	380	2	0.05	0,01	0.10	
9	380	382	2	0.08	0.016	0.16	
A 1700	382 (116.4)	384	2	0.19	0.021	0.38	
C 0644	384 (117.0)	388.5	4.5	0.33	0.01	1.48	
5	388.5 (118.4)	393.5	5	0.20	(0.01	1.00	
6	393.5 (119.9)	399	5.5	0.13	(0.01	0.71	
7	399 (121.6)	404	5	0.31	(0.01	1.55	
8	404 (123.1)	407.5	3.5	0.22	(0.01	0.55	
9	407.5 (124.2)	411	3.5	2.18	0.07	7.63 (4.0)	
50	411 (125.3)	413	2	9.02	0.23	18.04	
1	413 (125.9)	415.5	2.5	2.40	0.09	6.0	
2	415.5 (126.6)	420.5	5	1.32	0.04	6.60	
3	420.5 (128.2)	426	5.5	1.15	0.10	6.325	
4	426 (129.8)	430	4	1.52	0.05	6.08	
5	430 (131.1)	436	6	1.80	0.08	10.8	
6	436 (132.9)	437.5	1.5	0.10	(0.01	0.15	
7	437.5 (133.6)	442	4.5	0.52	0.01	2.34	
8	442 (134.7)	447	5	0.73	0.03	3.65	
9	447 (136.2)	452	6	0.04	(0.01	0.2	
60	452 (137.8)	457	5	0.96	0.03	4.8	
1	457 (139.2)	462	5	1.02	0.03	5.1	
2	462 (140.8)	467.5	5.5	0.57	0.02	3.13	
3	467.5 (142.3)	473	6.5	0.84	0.03	5.04	
4	473 (144.2)	478	5	0.62	0.02	3.1	

104' at 0.43 % WO_3

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 197

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
C 0665	478 145.7	484	6	0.63	0.02	3.78	
6	484 147.5	488	4	0.35	(0.01	1.4	
7	488 148.7	492	4	0.86	0.06	3.44	
8	492 150.0	497	5	0.82	0.02	4.10	
C 0669	497 151.5	501	4	0.58	0.01	2.32	
A 1701	501 152.7	503	2	0.35	(0.01	0.70	
A1702	503.0 153.3	505.0	2.0	0.03	(0.01	0.06	
A1703	505.0 153.9	507.0	2.0	0.12	(0.01	0.24	
A1704	507.0 154.5	509.0	2.0	0.06	0.01	0.12	
A1705	509.0 155.1	511.0	2.0	0.95	0.027	1.90	[0.97% over 2'
A1706	511.0 155.7	513.0	2.0	0.06	(0.01	0.12	

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 196.

Location . BEACH SECTION .2N.....

Elevation..37-55'.....

Final Depth..753'.....2295.

Co-Ords. 99535-8 464.20S. 1757.65E.....

Dip.....60°.....

Bearing...315°.....

Date Commenced 8/4/67.....

Date Completed..5/5/67.....

I.S.G. Co-ords: 220,158·5 E / 563,992·2 N , R.L. = 14·7 m

Footage From	Footage to	Length		Description	Assays WO_3
0'	80' 24.4	80'		**No Core.**	
80'	301'6" 91.9	221'6"		**VOLCANICS;** grey and green grey consisting of agglomerates, tuffs and lavas. 126'6" - 129' Brecciated with calcite in fillings. 156' - 158' Light green talcose material filling fractures. 221' 6" - 222' Aplite. 260' - 261'6" Aplite. 287' - 301'6" Soft green, fragmented rock with some possible slight brecciation and very weak speck of scheelite mineralisation.	
301'6" 92.3	303'	16'	*	**BRECCIA;** with speck of scheelite mineralisation and pyrite. Could be number three fault?	
303'	321' 97.6	18'		**BIOTITE ACTINOLITE HORNFELS;** grey, fine grained, massive or thinly bedded with a patch of biotite hornfels and actinolite hornfels. 312'3" Quartz vein.	
321' 97.8	349' 106.4	28'		**BIOTITE HORNFELS;** dark grey to black fine grained, massive spotted in part, with biotite actinolite hornfels and calcite filling the fractures.	
349' 106.4	404' 123.1	55'	*	**HYBRID ROCK;** banded biotite hornfels and pyroxene hornfels. These consist mostly of biotite hornfels with bands of up to one foot of pyroxene hornfels. There is also scattered pyrite mineralisation. 377'6" - 380' Broken core with only one foot recovery.	Fault ?
404' 123.1	426' 129.8	22'		**PYROXENE HORNFELS;** green, fine grained, thinly bedded with biotite hornfels to massive. There are also numerous patches and bands of light garnet, which is an inferior replica of pyroxene garnet hornfels. The mineralisation is very weak in patches with occasional sulphide mineralisation. 416' - 420' Broken core.	
426' 129.8	492' 150.0	66'		**CALCITE HORNFELS;** grey, and medium grained to crystalline with patches and bands of pyroxene hornfels some of these being associated with garnet and very weak, patchy scheelite mineralisation, which is mostly associated with calcite veins.	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 196

Footage From	Footage To	Footage Length	Desciption	Assay No.	Assay
			443' - 445' Dark spotted calcite hornfels with biotite crystals. 445' - 447' Pyroxene hornfels. 447' - 459' Spotted calcite hornfels. 475' - 475'6" Pyroxene hornfels with fair scheelite mineralisation. 473' Light green, soft Talcose minerals filling the fractures.		
492'	502' 153.6.	10'	PYROXENE HORNFELS; green, fine to medium grained crystalline in part with garnet patches. 500' - 501' Garnet hornfels with good scheelite mineralisation. 497' - 502' Sampled.	1.40	
502'	540' 164.6	38'	MIXED ROCK; mainly black biotite hornfels with green pyroxene hornfels and grey biotite actinolite hornfels.		
540'	566' 172.5	26' Fault!	BIOTITE ACTINOLITE HORNFELS; grey actinolite hornfels with flecks and lumps of biotite. It tendes to become more pyroxene hornfels and biotite hornfels towards the base. 564' - 566' Badly broken core.		Iron ore in... 40° to CA.
566'	570' 173.7	4'	MAINLY PYROXENE HORNFELS; thinly bedded with biotite hornfels.		
570'	586' 178.6	16'	PYROXENE GARNET HORNFELS; not very well developed. Green pyroxene hornfels with spots and lumps and bands of garnet some of which are showing. Dark green reaction rims, very weakly mineralisation.		
586'	605' 184.4	19'	GARNET, PYROXENE HORNFELS; mainly garnet pyroxene hornfels bands and patches of pyroxene hornfels. The garnet pyroxene hornfels has only fair mineralisation while the pyroxene hornfels has barren to patchy ore. 589' - 591' Sampled. 591' - 594'6" Sampled. 594'6" - 600' Sampled. 600' - 602' Sampled. 602' - 603' Sampled. 603' - 606' Sampled.	0.10 0.34 0.05 0.26 1.34 0.13	
605'	655' 199.6	50'	MIXED ROCK; thinly bedded pyroxene hornfels, garnet, pyroxene hornfels, biotite hornfels and minor calcite hornfels. The garnets are both dark brown and honey coloured varieties, with very patchy and fairly weak scheelite mineralisation. 613'6" - 614' Good disseminated scheelite and scattered sulphide mineralisation throughout. Dark brown garnets and scheelite mineralisation are absent after 624'.		

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 196

Footage From	Footage To	Length	Desciption	Assay WO₃	
655'	677' 206.3	22'	HYBRID ROCK; thinly bedded biotite hornfels, pyroxene hornfels with patches of honey colourned garnets. Bad loss of core totalled about ten feet. The core was very broken and trecciated from 651' to 677', indicating the number three fault.		
677'	684' 208.5	7'	OLDER VOLCANICS; green, medium grained to crystalline with very high grade disseminated scheelite.		
684'	740' 225.5	56'	OLDER VOLCANICS; green and grey, fine to medium grained with crystalline lavas and tuffs etc. There are trecciated and broken zones up to one foot after the top ten feet.		
740'	746' 227.4	6'	BRECCIA; badly broken and trecciated core. 741'6" - 743'6" Pugs and chips of rock. Fault?		
746'	753' 229.5	7'	QUARTZITE; one foot of biotite quartzite, then grey quartzite.		

753' END OF HOLE.

Sample 72'.

DIAMOND DRILL HOLE 196

Logged By ?

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1707	491.0	493.0	2.0	0.07	0.022	0.14	
A1708	493.0	495.0	2.0	0.05	0.019	0.10	
A1709	495.0	497.0	2.0	0.08	0.017	0.16	B
C0670	497.0	502.0	5.0	1.26	0.02		5' at 1.26%
A1710	502.0	504.0	2.0	0.07	0.046	0.14	
A1711	504.0	506.0	2.0	0.09	0.035	0.18	
A1712	583.0	585.0	2.0	0.03	0.029	0.06	
A1713	585.0	589.0	4.0	0.04	0.027	0.16	
C0671	589.0	591.0	2.0	0.18	<0.01	0.20	C
2	591.0	594.5	3.5	0.35	<0.01	1.19	14' at
3	594.5	600.0	5.5	0.05	<0.01	0.28	0.[illegible]% WO_3
4	600.0	602.0	2.0	0.28	<0.01	0.52	
5	602.0	603.0	1.0	1.44	0.04	1.34	
C0676	603.0	606.0	3.0	0.13	<0.01		
A1714	606.0	610.0	4.0	0.18	0.034	0.72	
A1715	610.0	613.5	3.5	0.24	0.027	0.84	
A1716	613.5	617.0	3.5	0.17	0.030	0.60	
A1717	617.0	619.0	2.0	0.07	0.024	0.14	
A1718	619.0	621.0	2.0	0.45	0.040	0.90	2' at 0.45%
A1719	621.0	623.0	2.0	0.05	0.021	0.10	
A1733	665.0	673.0	8.0	0.05	0.035	0.40	
A1734	673.0	677.0	4.0	0.07	0.053	0.28	
A1735	677.0	679.0	2.0	11.90	(0.01	23.80	C
A1736	679.0	681.0	2.0	12.80	(0.01	25.60	8' at
A1737	681.0	683.0	2.0	0.41	0.029	0.82	7.02% WO_3
A1738	683.0	685.0	2.0	3.0	0.188	6.0	
A1739	685.0	687.0	2.0	0.10	0.04	0.20	

D.D.H. 195.

BEACH SECTION OO. 36-11'.

539'. 9969N.2 308-85S, 1316.17E.

VERT.

20/3/67. 8/4/67.

I.S.G. Co-ordo: 220,032.3E / 564,058.6N; R.L. = 14.3m.

		14.6		
0'	48'	48'		No Core.
		22.9		
48'	75'	27'		VOLCANICS; fine grained to medium grained, grey-green and massive. 61'6" - 62'6" APLITE.
		29.7		
75'	94'	19'		ACTINOLITE HORNFELS; fine grained, massive, grey and spotted in patches. There is pyrite along the fractures and patches of biotite mineralisation, which may be massive lava?
		30.4		
94'	113'	19'		BIOTITE ACTINOLITE Hornfels; grey to dark grey, fine grained, massive and spotted in part. 94' - 98'6" APLITE.
		31.8		
113'	121'	8'		ACTINOLITE HORNFELS; grey, medium grained, crystalline and massive with a soft green rock, possibly talc? This material is filling the fractures. 110' - 112' BROKEN CORE.
		42.4		
121'	139'	18'		BIOTITE HORNFELS; dark grey, fine grained and massive. 123' - 124' BROKEN CORE. 130' - 134' BROKEN CORE, with poor recovery and weak, slicken-sides. 136' - 138' BROKEN CORE.
		68.4		
139'	224'6"	85'6"		BIOTITE ACTINOLITE Hornfels; dark grey, fine grained massive or faintly bedded with calcite filling the fractures. It is spotted in part with biotite rich patches. 145' - 147' BROKEN CORE. 154'6" - 155' 6" BROKEN CORE.
		70.4		
224'6"	231'	6'6"		PYROXENE HORNFELS; green, fine grained and faintly bedded.
		89.6		
231'	294'	63'		BIOTITE ACTINLOITE HORNFELS; dark grey, fine grained massive and spotted in part, with occasional biotite rich patches. 238' - 281' BROKEN CORE AND SHORT RUNS.
		72.?		
294'	304'	10'		ACTINLOITE HOEFELS; light grey to greenish grey, fine grained, crystalline and massive with disseminated pyrite, and also pyrite blobs and stringers.

From	To	Width	Description	Assay
304'	329'	25'	BIOTITE ACTINLOITE HORNFELS; with beds of biotite hornfels and actinolite hornfels.	
329'	336'6"	7'6"	HYBRID ROCK; biotite hornfels with bands of pyroxene hornfels, and scattered pyrite.	
336'6"	343'	6&6"	PYROXENE HORNFELS; light to dark green, fine grained to crystalline, with some light coloured garnet patches and bands of calcite hornfels. There is some occasional patches of scheelite mineralisation. 340' - 2 inches scheelite mineralisation in pyroxene hornfels. 342' - 343' Disseminated scheelite mineralisation.	
343'	362'	19'	CALCITE HORNFELS; grey, fine grained and banded with occasional weak scheelite mineralisation in the calcite veinlets.	B lense
367'	371'	4'	BIOTITE HORNFELS; brown, fine grained with white spots. It is faintly bedded.	
371'	382'	11'	HYBRID ROCK; interbedded pyroxene hornfels, biotite hornfels and biotite actinolite hornfels. 381' - 386' PYROXENE HORNFELS.	
382'	434'	52'	BIOTITE HORNFELS; also with bands of biotite actinolite hornfels and actinolite hornfels. Some occasional pyroxene hornfels bands are also present. The actinolite hornfels becomes more prominent after 410'. Bands of pyroxene hornfels occur after 429' to the base.	
434'	470'	36'	PYROXENE GARNET HORNFELS; green pyroxene hornfels with garnets showing dark green reaction rims. Poorly developed in parts, in places, is crystalline pyroxene hornfels. Scheelite is weakly scattered throughout, with patches of fair mineralisation. 438' - 2" of coarse crystalline.	pgh
470'	486'	16'	GARNET PYROXENE HORNFELS; light brown to greenish crystalline and massive with scheelite mineralisation disseminated throughout. 470' - 474' Sampled. 0.74 474' - 475' Sampled. 3.51 475' - 477' " " " 1.62 477' - 478'6" Sampled. 0.05 478'6"-483' " " " 0.16	
486'	512'	16'	HYBRID ROCK; closely bedded garnet pyroxene hornfels, pyroxene hornfels and some biotite hornfels with very patchy scheelite mineralisation and also a patch of pyrite. 488'6" - 489'6" Weak scheelite mineralisation, unsampled.	

Footage		Length	Description	Assay No.
			501' - 502' good scheelite mineralisation, unsampled. 510' - 511'6" weak scheelite mineralisation in garnet pyroxene hornfels.	
512'	539'	27'	HYBRID ROCK: finely bedded biotite hornfels and pyroxene hornfels which shows occasional garnet development. It is light brown and has no scheelite mineralisation. 518' - 529' Core lost. Evidence of brecciation and disturbed bedding in biotite hornfels. Calcite and pyrite fillings are in the veins.	

539' END OF HOLE.

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 195

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
4829	431.0'	433.0'	2.0	0.05	< 0.01		
4830	433.0'	435.0	2.0	0.08	< 0.01		
4831	435.0	437.0	2.0	0.06	< 0.01		
4832	437.0	439.0	2.0	0.54	< 0.01		
4833	439.0	441.0	2.0	0.05	< 0.01		
4834	441.0	443.0	2.0	0.04	· 0.01		
4835	443.0	445.0	2.0	0.05	< 0.01		
4836	445.0	447.0	2.0	0.06	< 0.01		
4837	447.0	449.0	2.0	0.08	< 0.01		
4838	449.0	451.0	2.0	0.03	< 0.01		
4839	451.0	453.0	2.0	0.07	< 0.01		
4840	453.0	455.0	2.0	0.04	< 0.01		
4841	455.0	457.0	2.0	0.03	< 0.01		
4842	457.0	459.0	2.0	0.03	0.03		
4843	459.0	461.0	2.0	0.05	< 0.01		
4844	461.0	463.0	2.0	0.04	· 0.01		
4845	463.0	465.0	2.0	0.02	< 0.01		
4846	465.0	467.0	2.0	0.02	< 0.01		
4847	467.0	470.0	3.0	0.06	< 0.01		
	470.0	474.0	4.0	0.74	0.82	2.96	
	474.0	475.0	1.0	3.51	6.01	3.51	
	475.0	477.0	2.0	1.02	1.26	2.04	13' at 0.87
	477.0	478.6	1.6	0.05	0.04	0.08	
	478.6	483.0	4.6	0.26	0.44	2.76	

↑ Reassay Sept 72

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 195

LOGGED BY _____

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
.1456	466	468	2	0.32	0.013	0.64	
.1455	468	470	2	0.09		0.18	
	470	474	4	0.74		2.96	
	474	475	1	3.51		3.51	17' at 0.62% WO_3
	475	477	2	1.02		2.04	
	477	478.5	1.5	0.05		0.07	
	478.5	483	4.5	0.26		1.17	
.1441	483	385	2	0.06	0.012		
.1442	485	487	2	0.06	0.019		
.1443	489	491	2	0.17	0.018		
.1444	491	493	2	0.06	0.012		
.1445	493	495	2	0.06	0.016		
.1446	495	497	2	0.06	0.015		
.1447	497	499	2	0.06	0.021		
.1448	499	501	2	0.07	0.019		
.1449	501	503	2	0.54	0.022		2' at 0.54% WO_3
.1450	503	505	2	0.07	0.024		
.1451	505	507	2	0.18	0.022		
.1452	507	509	2	0.10	0.010		
.1453	509	511	2	0.30	0.015	0.60	4' at
.1457	511	513	2	0.25	0.016	0.50	0.28% WO_3
.1458	513	515	2	0.07	0.024		
.1459	515	517	2	0.06	0.020		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 195 (Reassay September, 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1324	470	474	4	0.82		3.28	
5	474	475	1	6.01		6.01	
6	475	477	2	1.26		2.52	13' at 1.06% WO_3
7	477	478.5	1.5	0.04	0.05	0.06	
B 1328	478.5	483	4.5	0.44		1.98	

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 194

Location .... Beach Section 4E. 4.58 ... 139.6m

Elevation .... 2.83' +10.81 = 13.64 +4.1m

Final Depth .... 550' (164.0m)

Co-Ords. 126,148, 1708,868

Dip .... 60°

Bearing .... 315°

Date Commenced 9. 3. 67

Date Completed 14. 4. 67

L.S.G. Co-ords: 220.158E / 564095.7N ; R.L. = 4.2m

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	57'	57'	No Core	
57' 17.4m	121'6" 37.0m	64'6"	**EPIGENETIC:** green to blue green, fine to medium grained and spotted in part, consisting of lava tuffs and agglomerates. From 63 to 65 feet is scheelite hornfels and from 77 to 87 feet the recovery is generally poor, with very broken core. The driller found the hole collapsing, with only short runs being made. Below 91 feet the scheelite mineralisation was very scattered and sparsely disseminated. At 100 feet the disseminated scheelite was two inches coarse and associated with calcite and sulphides. From 99 to 104 feet the core was broken and brecciated indicating the fault zone. 51' 100'3x1.5" 119 to 122 feet - rock was showing white spots which were reaction rims. Sulphide was scattered throughout.	
121'6"	130' 39.6	8'6"	**BANDED ROCK:** interbedded pyroxene hornfel and biotite scheelite hornfels? (possibly lavas) and light green, massive pyroxene hornfels with dark grey, fine grained and massive biotite hornfels (lavas). Generally	
130'	140' 42.7	10'	**GARNET PYROXENE HORNFELS:** light and dark brown garnets with green crystalline pyroxene hornfels and bands of pyroxene hornfels calcite veins with patches of scattered sulphides. The scheelite mineralisation was patchy. 130'6" - 134'6" - fair dissemination of scheelite mineralisation in pyroxene hornfels. 137' - 138' - disseminated scheelite mineralisation in pyroxene hornfels. The scheelite appears to be disseminated in calcite which is within the pyroxene hornfels, rather than associated with garnet pyroxene hornfels. The scheelite is of quite coarse size.	
140'	163' 49.7	23'	**BIOTITE HORNFELS:** dark grey to black, fine grained and banded, and spotted in part. 152'6" Aplite dyke. 158' - 159' Occasional thin Aplite stringer.	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H 194

Footage From	Footage To	Footage Length	Desciption	Assay No.	Assay
163'	173' 52.7	10'	ACTINOLITE HORNFELS: light grey, green hard and spotted in part. 169' - small microfault 169'6"-170'6" Aplite grades into biotite actinolite hornfels.		
173'	181' 55.2	8'	BIOTITE HORNFELS: dark grey to black, fine grained and mainly massive.		
181'	198' 60.4	17'	HORNFELS BECCIA: bedded, dark grey and fine grained. Consists of biotite actinolite hornfels with green fine grained pyroxene hornfels up to one foot with the pyroxene hornfels becoming more prominent.		
198'	214'6" 65.4	16'6"	PYROXENE HORNFELS: green, fine to medium grained and mainly massive with a few biotite actinolite hornfels bands and some garnet pyroxene hornfels patches and bands some having patchy disseminated scheelite mineralisation. There is MoS_2 mineralisation scattered throughout. 210' - 210'6" some coarse scheelite associated with calcite in fractured zone. 213' 3" fair dissemination of scheelite. 213'6" - 214' fair dissemination of fine scheelite.		
214'6"	237' 72.2	22'6"	CALCITE HORNFELS: light grey, crystalline in part, massive or thinly banded, with pyroxene hornfels, with some very weakly disseminated scheelite, and occasional thin garnet pyroxene hornfels bands.		
237'	252'6" 77m	14'6"	PYROXENE HORNFELS: light to dark green, mainly medium grained, and crystalline with veins and patches of calcite. In places where garnet pyroxene hornfels is developed, scheelite mineralisation is disseminated throughout, being fair in patches, but mainly weak. 238' - 240' Sampled 240') 245' " " " 245' - 252' " " " 252'6" - 252' Unsampled, with fairly disseminated scheelite. 252'6" Fair scheelite mineralisation.		

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 194

Footage From	Footage To	Length	Desciption	Assay No.	Assay
252'6"	262' 79.9	9'6"	CALCITE HORNFELS: grey, fine grained and speckled in part, with white calcite veins. Scheelite mineralisation is very weak and scattered, being associated with calcite stringers.		
262'	274' 83.5	12'	HYBRID ROCK: mainly green, fine grained, pyroxene hornfels with patches and bands of biotite actinolite hornfels. There are also odd patches, with light brown garnets. The scheelite mineralisation is very weak to nil. with the biotite actinolite hornfels becoming more prominent towards the base.		
274'	283' 86.3	9'	BIOTITE HORNFELS: dark grey to black, fine grained and thinly banded. There very thin bands of pyroxene hornfels over the top two feet, with occasional thin calcite bands.		
283'	299' 91.1m	16'	BIOTITE ACTINOLITE HORNFELS: dark grey to grey green, fine grained and thinly bedded. In places there are bands of biotite hornfels and actinolite hornfels.		
299'	320' 97.5	21'	ACTINOLITE HORNFELS: grey to grey green, fine grained and mainly massive, with some green bands. 296'6" - 298' broken core (6" run 297'6"-298') [illegible] very fine grained and grey with scattered sulphides.		
320'	327' 99.7	7'	HYBRID ROCK: mainly coarse biotite thinly bedded with pyroxene hornfels and scattered sulphides.		
327'	336' 102.4	9'	GARNET PYROXENE HORNFELS: dark brown to brown green, medium grained and massive with patchy scheelite mineralisation throughout. There is numerous pyroxene hornfels and some biotite hornfels. 327' - 332' Rock is similar in appearance to pyroxene garnet hornfels. 332' - 333' Coarse scheelite associated with quartz vein.		
336'	377' 114.9	41'	HYBRID ROCK: mainly biotite hornfels with thinly banded pyroxene hornfels, showing disturbed bedding in patches possibly brecciation? 336.5' Possibly pyroxene garnet hornfels type rock? 336.6' Also possible pyroxene garnet hornfels type rock with an abrupt end. This could be because of a fault in this vicinity. 339' Start of Brecciated Zone. 347' - 348'6" Pyroxene garnet hornfels.		

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.B.H. 194.

Footage From	Footage To	Length	Desciption	Assay No.
			371'6" - 372'6". Breccia. 372' - 377'. Biotite Hornfels.	
377'	387' 11·8	10'	GREY ROCK; soft, fine grained and crystalline rock which is similar to actinolite hornfels. 382' - 386'6" Breccia. 387' - 386'6". Intense Breccia.	
387'	398' 121·2	11'	HYBRID ROCK; interbedded pyroxene hornfels with biotite hornfels. This is disturbed and trecciated with calcite filling the fractures. 390' - 396'. highly trecciated.	
398'	407' 124·1	9'	PYROXENE HORNFELS; patches of scheelite mineralisation with only a little evidence of shearing.	
407'	450' 137·2	43'	QUARTZITE; apparently grades between pyroxene to biotite hornfels to biotite quartzite to quartzite.	
450'	454' 138·4	4'	BRECCIATED PYROXENE HORNFELS; Garnet Hornfels. 450' - 450'3". Breccia with quartzite and pyroxene hornfels mixed. (3' recovery). 450'3" - 451'9" Brecciated pyroxene hornfels. 451'9" - 454'. Brecciated garnet and pyroxene hornfels.	
454'	458' 139·6	4'	QUARTZITE; 454' - 455'. Boitite quartzite with evidence of trecia showing.	
			458. END OF HOLE 458' 486'.	

DIAMOND DRILL HOLE 194

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1762	129.0	131.0	2.0	0.05	0.027		
A1763	131.0	133.0	2.0	0.06	0.027		
A1764	133.0	135.0	2.0	0.69	0.048	1.38	2' at 0.69% WO_3
A1765	135.0	137.0	2.0	0.08	0.030		
A1766	137.0	139.0	2.0	0.14	0.048		
A1767	139.0	141.0	2.0	0.11	0.054		
A1768	198.0	202.0	4.0	0.07	0.040	0.28	
A1769	202.0	206.0	4.0	0.07	-		
A1770	206.0	210.0	4.0	0.69	0.084	2.76	4' at 0.69% WO_3
A1771	210.0	214.0	4.0	0.15	0.027		
A1772	214.0	218.0	4.0	0.09	0.022		
A1773	218.0	222.0	4.0	0.07	0.024		
A1774	222.0	226.0	4.0	0.08	0.018		
A1775	226.0	230.0	4.0	0.09	0.021		
A1776	230.0	234.0	4.0	0.11	0.019		
A1777	234.0	238.0	4.0	0.05	0.025		
C0387	238.0	240.0	2.0	0.08	0.04	1.90	8' at 0.36% WO_3
[illegible]	240.0	245.0	5.0	0.02	0.04	1.60	
C0389	245.0	246.0	1.0	0.32	0.04	0.97	
A2063	246.0	248.0	2.0	0.11	0.021		
A2064	248.0	250.0	2.0	0.07	0.019		
A2065	250.0	252.0	2.0	0.36	0.012		2' at 0.36%
A2066	252.0	254.0	2.0	0.10	(0.01		
A2067	254.0	256.0	2.0	0.03	(0.01		
A2068	256.0	258.0	2.0	0.03	(0.01		
A2069	258.0	260.0	2.0	0.04	(0.01		
A2070	260.0	262.0	2.0	0.04	(0.01		
A2071	325.0	327.0	2.0	0.06	0.015		
A2072	327.0	329.0	2.0	0.66	0.040	1.32	10' at 0.94% WO_3
A2073	329.0	331.0	2.0	1.02	0.025	4.04	
A2074	331	333	2.0	0.84	0.021	1.68	
A2075	333	335	2.0	1.17	0.033	2.34	
A2076	335	337	2.0	1.00	0.027	2.00	
A2077	337	339	2.0	0.08	0.010		
A2078	339	341	2.0	0.08	0.015		
A2079	341	343	2.0	0.07	0.012		
A2080	343	345	2.0	0.06	0.010		
A2081	345	347	2.0	0.07	0.013		
A2082	347	349	2.0	0.07	0.013		
A2083	349	351	2.0	0.07	0.013		
A2084	351	353	2.0	0.07	0.013		
A2085	353	355	2.0	0.07	0.013		

DIAMOND DRILL HOLE 194

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2086	355 108.7	357	2.0	0.06	0.013		
A2087	357 109.4	359	2.0	0.06	0.013		
A2088	359 109.4	361	2.0	0.07	0.025		
A2089	361 110.0	363	2.0	0.07	0.023		
A2090	363 110.6	365	2.0	0.08	0.023		
A2071	365 111.2	367	2.0	0.06	0.017		
A2092	395 120.3	397	2.0	0.12	0.017		
A2093	397 121.0	399	2.0	0.04	0.023		
A2094	399 121.6	401	2.0	0.31	0.021		2' at 0.31% WO_3
A2095	401 122.2	403	2.0	0.04	0.016		
A2096	403 122.8	405	2.0	0.11	0.010		
A2097	405 123.4	407	2.0	0.04	(0.01		
A2098	407 124.0	409 124.7	2.0	0.08	0.014		

D.D.H.193

Beach Section 00 — 36-11

471' — 99691-2 308.858, 1316.17E

67° — 315°

2. 3. 67 — 18. 3. 67

I.S.G. Co-ords: 220,032.3 E / 564,058.6 N; R.L = 14.3 M

0'	40'	40'	12.19	No Core.
40'	60'	20'	18.3	Poor recovery - four feet of mainly volcanics.
60'	80'	20'	24.39	VOLCANICS: green, mainly fine grained massive, crystalline in patches, mottled in part. Tuffaceous appearance at 78 feet. Pyrite mineralised throughout. 76'6" - 77'6" Aplite.
80'	87'	7'	26.5	BIOTITE HORNFELS: dark grey, fine grained, soft and mainly massive.
87'	101'	14'	30.78	BIOTITE ACTINOLITE HORNFELS: grey to dark, grey and green, mainly massive and mottled in part with calcite and occasional pyrite mineralisation.
101'	111'	10'	33.8	BIOTITE HORNFELS: dark grey, fine grained, mottled in part and soft with bands of pyroxene hornfels (possibly volcanics) from 96 feet to 99 feet. Also from 107 feet to 109 feet, 103 feet to 106 feet there is broken core with evidence of breccia. Only two feet recovery while from 108 to 109 feet is broken core.
111'	133'	22'	48.5	BIOTITE ACTINOLITE HORNFELS: dark grey, mottled, hard and mainly fine grained; massive with almost some concoidal fracture having calcite veins and pyrite mineralisation. 115' - 117' Broken core.
133'	140'	7'	42.7	PYROXENE HORNFELS: green, fine grained and mainly massive with some thin bands, with calcite and pyrite mineralisation.
140'	196'	56'	59.7	BIOTITE ACTINOLITE HORNFELS: dark grey, fine grained and thinly bedded to massive. 145' - 146' Broken Core 170' - 171' Pyroxene hornfels band. In places it grades towards actinolite hornfels.
196'	232'	36'	70.7	ACTINOLITE HORNFELS: fine grained, grey and hard; mainly massive with some faint beddings. 197' - 198' Aplite. 198' - 200'6" Pyroxene hornfels 204' - 206' Pyroxene hornfels. 213' - 216' Aplite. Grades towards biotite actinolite hornfels at base.

HOLE NO. D.D.H.193

Notes			Description	
From	To	Length		Wt
232'	250'	18'	BIOTITE HORNFELS; fine grained, thinly bedded and grey to dark grey. 238'6" Aplite. 242' - 245' Aplite with greenish rock having biotite flecks (possibly volcanics?) at 245' - 247' 247' - 249' Aplite.	
250'	286'	36'	HYBRID ROCK; mainly biotite actinolite hornfels with bands from thin up to one foot of calcite hornfels, bedded in part with actinolite hornfels.	
286'	313'	27'	PYROXENE HORNFELS; green, fine grained to coarse grained crystalline, bedded in part, mainly massive with numerous patches and bands of light brown garnet. Much calcite is present and also patches of pyrite mineralisation. In places the garnet is similar to pyroxene garnet hornfels, while in others it appears as garnet pyroxene hornfels with disseminated scheelite. 310' - 312' Disseminated scheelite very good.	
313'	337'	24'	BIOTITE HORNFELS; fine grained, dark grey to black, thinly bedded and massive in part with numerous thin pyroxene hornfels bands and occasional pyrite mineralisation. 317' - 318' Pyroxene hornfels. Grades to biotite actinolite hornfels at base.	
337'	354'	17'	PYROXENE HORNFELS; dark green, fine grained, mainly massive with graded bands of biotite hornfels. 352' - 353' Pyroxene garnet hornfels? with small garnets.	
354'	386'	32'	PYROXENE GARNET HORNFELS; green, fine to medium grained with coarse garnets inclusions having dark green reaction rims with patches of pyroxene hornfels and numerous calcite veins. Molybdenum mineralised in patches throughout. 359' - 399'6" - very patchy with weak scheelite mineralisation. 363' - 2 inches of high grained fine disseminated scheelite.	pgh
386'	399'6"	13'6"	PYROXENE HORNFELS; green, mainly massive and crystalline with patches and stringers of calcite. It has small patches of garnet pyroxene hornfels with weak scheelite mineralisation and sulphides disseminated throughout. 395'3" - 395'9" Garnet pyroxene hornfels with fair scheelite mineralisation.	
399'6"	412'6"	13'	GARNET HORNFELS; brown to green brown, massive and crystalline with scheelite mineralisation disseminated throughout.	

CORE No. D.D.H. 193

Depths		Footage	Description	Assays
			408' - 408'6" Ph land very weak WO_3	
			411'6" - 413' " " " " "	
			399'6" - 405'6" Sampled	1.41
			405'6" - 408' Sampled	1.08
			408' - 412'6" Sampled	0.81
412'6"	437'		GARNET PYROXENE HORNFELS; green brown medium grained and crystalline with patches of Garnet hornfels and numerous lands of pyroxene hornfels which are mainly thin and some monor biolite hornfels. Scheelite mineralisation is patchy.	
			412'6" - 418' Sampled etc.	0.92
			418' - 423' Sampled	1.59
			423' - 429' Sampled	0.14
			429' - 433' Sampled	0.37
			433' - 437' Sampled	0.68
437'	471'	34'	HYBRID ROCK; thinly bedded pyroxene ornfels, biotite hornfels eith occassional light brown garnet patches.	
			464'6" - 467' Aplite	
			468' - 471' Micro faults in core.	

END OF HOLE 471'

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 193

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	4807	356 (108.5)	358	2'	0.04	<0.01		
	4808	358 (109.1)	360	2	0.07	<0.01		
	4809	360 (109.7)	362	2	0.07	0.03		
	4810	362 (110.3)	364	2	1.21	<0.01		
	4811	364 (111.0)	366	2	0.04	<0.01		
	4812	366 (111.6)	368	2	0.05	<0.01		
	4813	368 (112.2)	370	2	0.04	<0.01		
	4814	370 (112.8)	372	2	0.03	<0.01		
	4815	372 (113.4)	374	2	0.03	<0.01		
	4816	374 (114.0)	376	2	0.05	<0.01		
	4817	376 (114.6)	378	2	0.05	<0.01		
	4818	378 (115.2)	380	2	0.10	<0.01		
	4819	380 (115.8)	382	2	0.05	<0.01		
	4820	382 (116.4)	284	2	0.04	<0.01		
	4821	384 (117.0)	386	2	0.20	<0.01		
	4822	386 (117.6)	388	2	0.66	0.02	1.32	
	4823	388	390	2	0.06	<0.01	.12	
	4824	390	392	2	0.34	0.01	.68	
	4825	392	394	2	0.08	0.02	.16	
	4826	394	396	2	0.79	0.03	1.58	
	4827	396	398	2	0.05	0.02	.10	
	4828	398	400	2	1.98	0.05	3.96	
		399'6"	405'6	6	1.53 1.41	8.46		
		405'6	408	2'6	1.10 1.08	2.70		5' at 0.75
		408	412'6	4'6	0.29 0.31	1.39		
		412'6	418	5'6'	0.97 0.92	5.06		
		418	423	5	1.68 1.59	7.95		
		423	429	6	0.14 0.14	0.84		
		429	433	4	038 0.37	1.48		
		433	437	4	0.64 0.60	2.40		

Release Sept '72

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 193

LOGGED BY _____

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A1434	389.5	391.5	2	0.07	0.019		
A1435	391.5	393.5	2	0.06	0.021		
A1436	393.5	395.5	2	0.77	0.112		
A1437	395.5	397.5	2	0.09	0.054		
A1438	397.5	399.5	2	0.06	0.024		
	399.5	405.5	6	1.41		8.46	
	405.5	408	2.5	1.08		2.70	
	408	412.5	4.5	0.31		1.39	
	412.5	418	5.5	0.92		5.06	37.5' at 0.81% WO_3
	418	423	5	1.59		7.95	
	423	429	6	0.14		0.84	
	429	433	4	0.37		1.48	
	433	437	4	0.60		2.40	
A1439	437	439	2	0.07	0.012		
A1440	439	441	2	0.06	0.022		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **193 (Reassay September, 1972)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1331	386	390	4	0.35		1.40	
2	390	394	4	0.08		0.32	
3	394	398	4	0.56		2.24	
B 1334	398	399.5	1.5	1.65		2.47	
B 1316	399.5	405.5	6.0	1.53		9.18	
7	405.5	408	2.5	1.10	1.10	2.75	51' at 0.75% WO_3
8	408	412.5	4.5	0.29		1.31	
9	412.5	418	5.5	0.97		5.34	
20	418	423	5	1.68		8.40	
1	423	429	6	0.14		0.84	
2	429	433	4	0.38		1.52	
B 1323	433	437	4	0.64		2.56	

Sten: 185

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 192....

Location ..Beach Section 7N.....

Final Depth..524'...(159.7 m)....

Dip.....75°.....

Date Commenced ..13. 2. 67.....

Elevation..1.99'...+10.81 = 12.70 3.9m

Co-Ords. 128.82N, 1870.98E.....

Bearing....315°.....

Date Completed...8. 3. 67.....

I.S.G. Co-ords = 220.218.9E / 564.166.0N R.L. = 3.9m

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	60'	60'	No Core	
	18.3.			
60'	80'	20'	Biotite Hornfels; fine grained dark grey, mottled in part, soft, with numerous thin calcite stringers over the first ten feet of core, core in small lumps, grades into biotite actinolite hornfels.	
	24			
80'	114'	34'	Biotite ~~Actinolite~~ Hornfels; fine grained, dark grey and green, hard with bands of Biotite Hornfels and Pyroxene Hornfels. Veinlets of Calcite and Pyrite also present one highly fractured zone from 93 to 94 feet, contains sparse disseminated Scheelite (blue) throughout the calcite. Grades towards Biotite Hornfels.	
	34.7			
114'	121'6"	7'6"	Biotite Hornfels; fine grained dark grey, mottled in part, soft and cleaves easily.	
	37.0			
121'6"	132'	10'6"	Biotite ~~Actinolite~~ Hornfels; dark grey to green fine grained, mottled in part with bands of Biotite Hornfels and Pyroxene Hornfels.	
	40.2			
132'	142'	10'	Biotite hornfels ~~Hybrid Rock~~; bands of Biotite hornfels, Biotite actinolite hornfels, and pyroxene hornfels, mainly thinly bedded, but with some bands up to one foot deep. ?	
	43.3			
142'	169'	27'	Pyroxene Hornfels; dark to light green, soft with thin calcite veins. Bands of Biotite actinolite hornfels, some up to six inches. Also thin band of calcite with disseminated scheelite at 162 feet.	
	51.5			
169'	193'6"	24'6"	Garnet Pyroxene Hornfels; green, fine to medium grained with calcite veins containing coarse scheelite, fine scheelite being disseminated throughout.	
	59			
			169' - 170'6" Sampled	0.09
			170'6" - 171'6" "	6.60
			171'6" - 173'9" Unsampled	
			173'9" - 175' Sampled	0.37
			175' - 177' "	1.89
			Very bad recovery - one foot.	

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 192

Footage From	Footage To	Footage Length	Desciption	Assay No.	Assay
			177' - 178' 3" Unsampled 178' 3" - 179' Sampled Recovery from 177' to 179' made up six inches of [illegible]	0.66	
			179' - 181' 6" Sampled 181' 6" - 183' 9" " 183' 9" - 186' 3" " 186' 3" - 189' 6" " 189' 6" - 192' 6" "	0.98 0.34 0.70 0.38 0.60	
193' 6"	215'	21' 6"	Calcite Hornfels: fine grained, grey and soft with calcite bands.		
	65.5				
215'	229' 6"	14' 6"	Garnet Pyroxene Hornfels: green, fine to coarse grained with calcite bands and veins, scheelite being finely disseminated throughout. The calcite and pyroxene hornfels become massive at base.		
	70				
			215' - 222' Sampled 222' - 229' 6" "	7.00 7.50	
			218' - 221' - 8" recovery 221' - 222' - 6" " 222' - 224' - 8" " 224' - 226' - 2' "		
229' 6"	235' 6"	6'	Calcite Hornfels: grey, soft with sparse scheelite mineralisation in places, with pyroxene and garnet rich bands.		
	71.8				
235' 6"	247'	11' 6"	Garnet Pyroxene Hornfels: green, soft and fine to coarse grained with calcite veins and bands. Scheelite is disseminated throughout.		
	75.3		241' - 243' Calcite hornfels. 243' - 245' Very dark green, fine to coarse crystalline pyroxene hornfels with slickensided shears (244' - 245')		
			235' 6" - 243' Sampled 245' - 247' "	0.63 0.72	
247'	257'	10'	Interbedded Pyroxene Hornfels, Garnet Pyroxene Hornfels: mainly pyroxene hornfels with sparse disseminated scheelite. Also bands of garnet pyroxene hornfels up to three inches deep containing fair scheelite. Unsampled		
	70.3				
257'	261'	4'	Calcite Hornfels: grey to green, crystalline and massive.		
	79.6				

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H.192

Footage From	Footage To	Length	Desciption	Assay No.	Assay
261'	273' 83-7	12'	GARNET PYROXENE HORNFELS; green to brown with patches of pyroxene hornfels and calcite veins. Very weakly disseminated scheelite. 265' - 267'6" Fair disseminated scheelite - unsampled.		
273'	323' 98-5	50'	HYBRID ROCK; mainly biotite hornfels with thin bands of pyroxene hornfels and minor biotite actinolite hornfels . In places thin garnet bands associated are with pyroxene hornfels. There is also some pyrite mineralisation. Biotite actinolite hornfels becomes more prominant below 300 feet and pyroxene hornfels less prominant.		
323'	340' 103-6	17'	BIOTITE ACTINOLITE HORNFELS; dark grey to brown finely bedded to massive with thin bands of biotite hornfels and pyroxene hornfels.		
340'	368' 112-2	28'	PYROXENE HORNFELS; fine grained, mainly massive, with mostly white inclusions, quite a few of them with garnet showing lighter reaction rims. In places it tends towards garnet hornfels. 356' - 357'6" Garnet hornfels with disseminated scheelite (unsampled) 360' - 361' Garnet hornfels with disseminated scheelite (unsampled).		
368'	391'9" 119-4	23'9"	GARNET HORNFELS; dark brown and green. Crystalline with finely disseminated scheelite throughout. Also quartz veins associated with coarse scheelite. 368' - 371' Sampled 371' - 372' " 372' - 376' " 376' - 378' " 378' - 379'6" " 379'6" - 384'6" " 384'6" - 389'6" " 389'6" - 391'9" "		1·25 10·00 1·27 2·10 1·09 1·38 1·25 4·40
391'9"	394'6" 120-2	2'9"	PYROXENE HORNFELS; green, fine grained, mainly massive with patches of Garnet hornfels and low grade disseminated scheelite.		
394'6"	396' 120-7	1'6"	CALCITE HORNFELS; grey, fine grained and massive with patches of pyroxene hornfels. 391'9" - 396' Sampled.		
396'	416' 126-8	20'	GARNET HORNFELS; brown to green, massive crystalline with disseminated scheelite and coarse scheelite associated with quartz veins and numerous low grade pyroxene hornfels bands, mainly about one inch deep. 406' - 407'9" Pyroxene hornfels band with sparse disseminated scheelite. 396' - 399'6" Sampled 399'6" - 408' " 408' - 409' " 409' - 416'6" "		1·26 1·02 0·85 1·31 1·07

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H.192

Footage			Desciption	Assay
From	To	Length		WO_3
416'	450' 137.2	34'	GARNET PYROXENE HORNFELS: dark green, green, mainly crystalline with patches of garnet hornfels and low grade patchy disseminated scheelite and occasional coarse scheelite associated with calcite veins. Thin biotite hornfels bands occur below 437 feet with pyroxene hornfels becoming prominent. 429'6" - 430' Fine disseminated WO_3 mineralised - unsampled. 434'6" - 435' Disseminated WO_3 mineralised Unsampled. 440' - 442' WO_3 mineralised with 4 inches of coarse scheelite and coarse patches associated with quartzite and calcite.	
450'	460' 140.2	10'	BIOTITE HORN: bedded pyroxene hornfels and biotite hornfels, dark green to dark grey in places showing turbulent beddings ? Also coarse biotite like phyllite.	
460'	493' 150.3	33'	GARNET PYROXENE HORNFELS: dark green to brown, massive and crystalline with patches of garnet hornfels and numerous bands of pyroxene hornfels and occasional calcite hornfels bands, in places with bands of disseminated scheelite and coarse WO_3 mineralisation associated with calcite veins although they are mainly thin. 461' - 462'6" Garnet hornfels with good fine disseminated scheelite. 473' Small microfine fault of quarter inch.	
493'	524' 159.7	31'	BIOTITE HORNFELS: green grey, speckled with mica flakes in fine grained ground mass. In places it grades to more massive rock. Also true biotite was found in places interbedded in the bottom of the hole bedding along the core.	
			END OF HOLE.	

Relogged 492' (150m) → 517' (157.6m) Older Volcanics

517' - 524'. Biotite Hornfels

g Ruth 3/1/73

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 192

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2099	149	151	2	0.06	0.038		
A 2100	151	153	2	0.03	0.027		
1	153 46.6	155	2	0.25	0.029		
2	155	157	2	0.04	0.010		
3	157	159	2	0.04	0.029		
4	159	161	2	0.03	0.044		
5	161	163	2	0.04	0.036		
6	163	165	2	0.03	(0.01		
7	165	167	2	0.03	0.023		
8	167	169	2	0.02	(0.01		
C 0334	169	170.5	1.5	0.06	(0.01		
5	170.5 52.0	171.5	1	6.30	0.16	6.30	
A 2109	171.5 52.3	175.75	2.25	2.80	0.056	6.30	
C 0336	173.75 52.9	175	1.25	0.32	0.01	0.40	
7	175 53.3	177	2	2.25	0.08	4.5	B Cons 23' at 1.12
A 2110	177 53.9	178.25	1.25	0.58	0.016	0.73	
C 0338	178.25 54.3	179	0.75	0.60	0.02	0.45	
9	179 54.6	181.5	2.5	0.96	0.04	2.40	
40	181.5 55.3	185.75	4.25	0.24	0.01	1.02	
1	185.75 56.6	186.25	0.5	0.63	0.01	0.31	
2	186.25 56.8	189.5	3.25	0.31	0.01	1.00	
3	189.5 57.8	193.5	4	0.61	0.02	2.44	
A 2264	193.5	195	1.50	(0.01	(0.01	0.02	
A 2111	195	197	2	0.03	(0.01		
2	197	199	2	0.03	(0.01		
3	199	201	2	0.01	(0.01		
4	201	213	2	0.01	(0.01		
5	203	205	2	0.01	(0.01		
6	205	207	2	0.01	(0.01		
7	207	209	2	0.01	(0.01		~~14.5' at 0.85% WO_3~~
8	209	211	2	0.01	(0.01		
9	211	213	2	0.01	(0.01		
A 2265	213	215	2	(0.01	(0.01	0.02	B Cons 14.5' at 0.78
C 0344	215 65.5	222	7	1.12	0.03	7.84	
5	222 67.7	229.5	7.5	0.46	0.06	3.45	
A 2120	229.5 70.0	231.5	2	0.11	(0.01		
1	231.5 70.56	233.5	2	0.04	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 192

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2122	233.5 (71.2)	235.5	2	0.03	(0.01		
C 0346	235.5	241	5.50	0.70	0.02	3.85	5.5' at 0.63 % WO_3
A 2123	241 (73.5)	243	2	0.05	(0.01	0.10	B Lens
4	243 (74.1)	245	2	0.23	0.025	0.46	
C 0347	245 (74.7)	247	2	0.72	0.03	1.44 (5.85)	2' at 72% WO_3
A 2125	247 (75.3)	249	2	0.14	(0.01		
6	249 (75.9)	251	2	0.18	(0.01		5ft (3.5m) at 0.51%
7	251	253	2	0.04	0.012		
8	253	255	2	0.04	0.024		
9	255	257	2	0.03	0.010		
30	257	259	2	0.02	(0.01		
1	259	261	2	0.02	(0.01		
2	261	263	2	0.04	(0.01		
3	263	265	2	0.07	(0.01		
4	265 (80.8)	267	2	0.36	(0.01		
5	267 (81.38)	269	2	0.07	0.010		
6	269	271	2	0.03	(0.01		
7	271	273	2	0.04	(0.01		
8	342	344	2	0.04	(0.01		
9	344	346	2	0.05	0.05		
40	346	348	2	0.05	0.05		
1	348	350	2	0.05	0.05		
2	350	352	2	0.09	(0.01		
3	352	354	2	0.05	(0.01		
4	354 (107.9)	356	2	0.20	(0.01		
5	356 (108.5)	358	2	0.94	0.056	1.88	
6	358 (109.1)	360	2 (0.50)	0.06	(0.01	0.12	
A 1404 / A 2147	360 (109.7)	362	2	0.45	(0.01	0.90	C
A 1405 / A 2148	362 (110.3)	264	2 (0.35)	0.25	(0.01	0.50	
				0.37	0.036	0.74	60' at 1.45
A 2149	366 (110.9)	368	2 (0.61)	0.24	0.075	0.48	
50	366 (111.6)	368	2	0.24	0.075	0.48	
C 0348	368 (112.2)	371	3	1.32	0.07	3.96	
9	371 (113.1)	372	1	11.90	0.23	11.9 (4.0)	
50	372 (113.4)	376	4	1.27	0.05	5.08	
1	376 (114.6)	378	2	2.45	0.09	4.90	
2	378 (115.2)	379.5	1.5	1.07	0.04	1.60	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 192

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
C 0353	379.5 (115.7)	384.5	5	1.35	0.05	6.75	
4	384.5 (117.2)	389.5	5	2.00	0.07	10	
5	389.5 (118.7)	391.75	2.25	~~6.26~~ 4.00	0.20	~~14.08~~ 10.00	
6	391.75	396 (119.4)	4.25	0.38	0.02	1.61	
7	396 (120.7)	399.5	3.5	1.25	0.10	4.37	
8	399.5 (121.8)	406	6.5	1.08	0.28	7.02	
9	406 (123.7)	408	2	0.18	(0.01	0.36	
60	408 (124.4)	409	1	1.77	0.08	1.77	
61	409 (124.7)	416	7	1.28	0.06	8.96	
A 2151	416 (126.8)	418	2	0.20	0.031	0.40	75.00
2	418	420	2	0.06	0.019	0.12	
3	420	422	2	0.04	0.029	0.08	
4	422	424	2	0.03	0.013	0.06	
5	424	426	2	0.04	(0.01	0.08	
A 1418 A 2156	426 (129.8)	428	2	0.31	0.010	0.62	356 — 494 = 138' | 0.81
A 1419 A 2157	428 (130.5)	430	2 (0.42)	0.58	0.046	1.16	
A 1420 A 2158	430 (131.1)	432	2	0.10	(0.01	0.20	
A 1421 A 2159	432 (131.7)	434	2 (0.23)	0.35	(0.01	0.70	
A 2160	434 (132.3)	436	2	0.51	0.01	1.02	
A 1424 A 2162	436 (132.9)	440	4	0.39	0.016	0.12	21' at 0.69 % WO_3
A 2163	440 (134.4)	442	2	0.91	0.028	1.82	7.32m at.
A 2164	442 (134.7)	444	2 (0.78)	0.05	(0.01	0.10	0.66% WO_3
5	444 (135.3)	446	2	~~4.40~~ 4.00	0.123	8.80 8.00	
6	446 (135.9)	448	2 (2.53)	0.66	0.017	~~1.32~~ 1.32	a.p.
A 1429 A 2167	448 (136.6)	450	2	0.70	0.025	0.80 (15.86)	
8	450	452	2	0.06	~~0.10~~ 0.01	0.12	
9	452 (137.8)	454	2 (0.11)	0.15	0.010	0.30	hole
70	454	456	2	0.05	(0.01	0.01	
1	456	458	2 (0.05)	0.04	(0.01	0.08	
2	458 (139.6)	460	2	0.26	(0.01	0.52	
3	460 (140.2)	462	2 (0.78)	1.30	0.064	2.60	6.7m
4	462 (140.8)	464	2	0.98	0.023	1.96	
5	464 (141.4)	466	2 (0.90)	0.82	0.017	1.64	22' at 0.70 %
6	466 (142.0)	468	2 (0.52)	0.521	(0.01	1.04	
			89.5				

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 192

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 2177	468 142.6	470	2	0.52	0.017	1.04	
8	470 143.3	472	2	0.49	(0.01	0.98	
9	472 143.9	474	2	0.40	0.01	0.80	
80	474 147.5	476	2	0.88	0.024	1.76	
1	476 145.1	478	2	1.10	0.05	2.20	
2	478 145.7	480	2	0.43	0.016	0.86	
3	480 146.3	482	2	0.06	(0.01	0.12	
4	482	484	2	0.05	(0.01		
5	484	486	2	0.06	0.019		
A2186	486 148.1	488	2	0.08	(0.01		
A2187	488 148.7	490	2	0.25	(0.01	0.50	6' at 0.41% WO_3
A2188	490 149.3	492	2	0.46	0.013	0.92	
A2189	492 150.0	494	2	0.52	0.015	1.04	
A2190	494 150.6	496 151.2	2	0.05	(0.01		

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 191

Location Beach Section 1S

Final Depth 467' (142.34)

Dip 72°

Date Commenced 1.2.67

Elevation 38.66'

Co-Ords 390.818, 1231.875 (99609.2)

Bearing 315°

Date Completed 28.2.67

I.S.G. Co-ords: 220.003.2 E / 564.037.6 N ; R.L. = 15.1m

Footage From	Footage To	Length	Description	Assays WO_3
0'	40' (12.2)	40'	No Core	
40'	50' (15.2)	10'	Poor recovery of volcanics and Aplite.	
50'	55' (16.8)	5'	Aplite	
55'	103' (31.39)	48'	Volcanics, green banded and massive.	
103'	165' (50.29)	62'	Biotite Actinolite Hornfels, fine grained, thinly banded, hard, dark grey colour, with occasional thin Aplite bands and sparse scheelite mineralisation in calcite veins. Pyrite also associated with calcite. Mottled in patches. Grades into Ph.	
165'	169' (51.5)	4'	Pyroxene Hornfels, dark green to green grey with some calcite veins with disseminated low gradde scheelite and Molybdenum mineralisation, becomes more biotite rich in patches and grades into Bah.	
169'	260' (79.2)	91'	Biotite Actinolite Hornfels, grey to dark grey and grey brown, mottled in parts with bands of Bh and Ah, fine grainedd. 180' - 181' Broken Core 199' 2" vein of Aplite 201' - 202' Broken Core 249' 4" Aplite dyke.	
260'	292' (89.0)	32'	Actinolite Hornfels, grey brown to grey green fine grained, hard and massive. 264' 5" Aplite dyke. In place with calcite veins and blebs of garnet (not Pgh) grades into Bah.	
292'	334'	42'	Biotite Actinolite Hornfels, dark grey to green, mottled in part mainly massive with occasional faint bedding. 313' - 314' Porous material, brown soft, not badly broken. 315' - 315'6" Aplite dyke. 330' - 330'6" Aplite dyke. Ph become more abundant towards base.	

HOLE No. D.D.H. 191

			Description	Assay No.
334'	349'6"	15'6"	Hybrid Rock. Thinly banded green Ph with dark grey to black Bh and Bah. Ph with occasional garnet inclusions 342'- 20°. Bh becomes more prominent over lower 3".	
349'6"	352'	2'6"	Pyroxene Garnet Hornfels. Green, fine to medium grained Ph with garnet inclusions showing dark green reaction rims.	
352'	372'	10'	Actinolite Hornfels, dark green to grey, hard fine grained.	
			352' - 355' Ph dark green, finely crystaline	
			353'6" - 357' Broken core, in part grades to Bah with mottled patches.	
			369' - 370' Ph with a 6" band of Gph. with weak disseminated scheelite at 371'.	
372'	385'	13'	Calcite Hornfels, grey green, crystaline, soft becomes greener towards base, with disseminated garnets.	
385'	402'	17'	Garnet Hornfels, massive, crystaline, brown to green, in places with patches and bands of Gph with weak finely disseminated, patchy scheelite, poor grade.	
			394'6" - 402' Sampled-weak scheelite.	0.58
402'	432'	30'	Garnet Pyroxene Hornfels, green to brown, crystaline with fiberous pyroxene crystals and very patchy scheelite mineralisation, numerous bands of Ph throughout with barren patches.	
			402' - 407' Sampled	0.30
			407' - 409'6" "	0.59
			409'6"-412'6" "	0.21
			412'6"-415'6" "	0.50
			415'6"-423'6" "	0.38
			423'6"-432' "	0.30
432'	467'	35'	Hybrid Rock, bedded Ph, Bh and Bah.	
			436' - 437' Aplite	
			445' - 446' Aplite stringers along core.	
			449' - 456' Aplite along core	
			461' - 463' Broken core with micro fault in core showing ½" displacement. Two bands of Gh (2") with light brown garnets below 465' (no scheelite)	

END OF HOLE.

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: ~~191~~

Logged By: _____

Release Sept 1/72.

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
		394'6	402	7'6"	0.58	0.43		
		402	407	5	0.30	0.33		
		407	409'6	2'6"	0.59	0.56		
		409'6	412'6	3	0.21	0.30		
		412'6	415'6	3	0.50	0.54		
		415'6	423'6	8	0.38	0.38		
		423'6	432	9	0.30	0.26		
	4848	432 (431.7)	437	5	0.02	<0.01		
	4849	437 (436.7)	442 (441.7)	5	0.02	<0.01		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **191 (Reassay September, 1972)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1245	394.5	402	7.5	0.43	0.43	3.22	
6	402	407	5	0.33		1.65	
7	407	409.5	2.5	0.58	0.60	1.45	
B 1248	409.5	412.5	3	0.20		0.60	
							37.5' at 0.37% WO_3
B 1329	412.5	415.5	3	0.54		1.62	
B 1249	415.5	423.5	8	0.38		3.04	
B 1250	423.5	432	8.5	0.26		2.21	

DDH 191

1:500

Collar 15 07 RL

220,000E

564,050 N

DDH 191

RL = 15.07m

564,050N

ISG SECTION
LOOKING E

ISG SECTION
LOOKING N.

SECTION
IN PLANE OF HOLE

142.34m

N

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 190

Position Beach Section 28

Final Depth 433' 131.97m

Dip 70°

Date Commenced 1.1.67

Elevation 28.51' + 10.81' = 39.32'

Co-Ords. 423.77S, 1143.92E

Bearing 315

Date Completed 31.1.67

I.S.G. Co-ords: 219,974.6E / 564,028.8N : R.L = 12.0m

Footage From	Footage To	Footage Length	Description	Assays WO3
0'	31'	31'	No Core	
31'	38' 11.58	7'	Volcanics. Fine grained, blueish colour.	
38'	71' 21.64	33'	Aplite	
71'	138' 42.06	67'	Actinolite Hornfels, fine grained, massive, with blebs and patches of biotite, mainly blue grey colour and some greenish sections, mottled throughout. 92' (28.04) - 93' (28.34) Aplite. 128' - 138' Broken core.	
138' 42.06	143'6" 43.74	5'6"	Pyroxene Hornfels; green, medium grained, patches of disseminated Molybdenite and blebs of scheelite along calcite stringers. 138' - 142' 20" recovery. 143'4" - 143'6" disseminated scheelite in heavily pyritised core.	
143'6"	188' 57.30	44'6"	Biotite Hornfels, brown fine grained. 148' - 161' Bh and Ah bands. 157'6" - 161' green, fine grained Ah.? 153' Bh with $\frac{1}{8}$" - $\frac{1}{4}$" long fibres of Actinolite(?) 175' 4" band of Aplite. 181' 1" band of Aplite.	
188'	200' 60.96	12'	Actinolite Hornfels, grey, fine grained, massive with bands and sections of Bh. Pyrite mineralisation along fractures.	
200'	214' 65.23	14'	Biotite Hornfels. 200' - 201' green, fine grained, cut by quartz veins one up to 1" thick, either side of vein rock is apple green (mineral microcline ???)	SWAN FAULT.
214'	218' 66.45	4'	Actinolite Hornfels, light green, fine grained, massive.	
218'	223' 67.97	5'	Biotite Hornfels, brown, fine grained.	
223'	229' 69.80	6'	Actinolite Hornfels, greenish grey, fine grained, massive.	

...ND DRILL CORE LOG SHEETS HOLE No. D.D.H.190

Footage			Description	Assay
From	To	Length		No.
229'	234' 71.32	5'	Biotite Hornfels.	
234'	313' 95.40	79'	Actinolite Hornfels, grey, fine grained, massive, mottled. 234' - 243' Mottled Ah. 243' - 244'6" Bah. 244'6"-245'6" Pink rock - quartz (not Aplite) and garnet.+ pyroxene. 245'6" - 247'6" slightly banded Ah section with green and grey sections. 75° 248'6" - 312' mottled Ah with occasional typical Ah bands. 312' - 313' Bah.	
313'	322' 98.15	9'	Biotite Hornfels, dark grey, fine grained, massive. 316' - 322' Ph - Bh mixture.	
322'	332' 101.19	10'	Biotite Actinolite Hornfels, dark grey, fine grained, structureless with minor Bh.	
332'	338' 103.02	6'	Actinolite Hornfels, grey, fine grained, massive.	
338'	346' 105.46	8'	Biotite Hornfels, dark grey, fine grained, abundant biotite. 341' - 346' Bh cut by thin bands of Ph.	
346' 105.46	354' 107.89	8'	Pyroxene Garnet Hornfels, green, fine grained ground mass with angular inclusions of garnet rimmed with dark green pyroxene reaction rims. 347' on, slight scheelite mineralisation about fractures. 347' - 350' calcite and quartz in rock obliterating texture.	
354'	365' 111.25	11'	Garnet Pyroxene Hornfels, varying amounts of garnet with pyroxene and calcite locally. 354' - 357' garnet rich section with no scheelite mineralisation. 357' - 364' pyroxene rich with minor garnet and patches of calcite locally. Same patches of slight scheelite mineralisation.	

HOLE No. D.D.H. 190

			Description	
365'	371'	6'	Garnet Hornfels, fine grained with thin bands of Pyroxene Hornfels.	
113.08			368' - 368'6" shear zone with calcite, barren of scheelite. 40°	
			365' - 369'3" Sampled - patchy with low grade and good disseminated patches of scheelite mineralisation.	0.90
			369'3" - 371' Sampled - poor, patchy scheelite mineralisation.	0.38
371'	383'	12'	Garnet Pyroxene Hornfels.	
116.73			371' - 374' Sampled - garnet rich with minor pyroxene, some disseminated scheelite.	0.65
			374' - 383' Sampled pyroxene rich with minor patches of calcite and garnet, weak patchy scheelite.	0.14
383'	393'6"	10'6"	Garnet Hornfels, with thin bands of Ph locally.	
119.93			383' - 385'7" Sampled - weak, patchy scheelite mineralisation.	0.19
			385'7" - 387' Sampled - good disseminated scheelite mineralisation. 388' - 28°	0.82
			387' - 393'6" Sampled - patchy disseminated mineralisation.	0.22
393'6"	433'	39'6"	Hybrid Rock alternating Ph and Bh bands.	
131.98			420'6" - 421' Granite dyke - biotite quartz feldspar, biotite rich, black and white.	

END O F HOLE 433'

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 190

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
		104.5						
	4850	343	347	4'	0.03	<0.01		
	4851	105.8 347	349	2'	0.06	<0.01		
	4852	106.4 349	351	2'	0.01	<0.01		
	4853	107.0 351	353	2'	0.05	<0.01		
	4854	107.6 353	355	2'	0.04	0.01		
	4855	108.2 355	357	2'	0.12	<0.01		
	4856	108.8 357	359	2'	0.16	<0.01		
	4857	109.4 359	361	2'	0.07	<0.01		
	4858	110.0 361	363	2'	0.02	<0.01		
	4859	110.6 363	365	2'	0.14	<0.01		
		111.2 365	369.3	4'3"	0.90 0.92		3.82	
		112.6 369.3	371	1'9"	0.38 0.27		.66	
		113.1 371	374	3'	0.65 0.04		1.95	
		114.0 374	383'	9'	0.14 0.14		1.26	
		116.7 383'	385'7"	2'7"	0.19 0.16		.49	
		117.6 385'7"	387	1'5"	0.82 0.86		1.15	
		118.0 387	393'6"	6'6"	0.22 0.11		1.43	

Release Sept '72

3.91

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **190 (Reassays September 1972)**

Logged By :

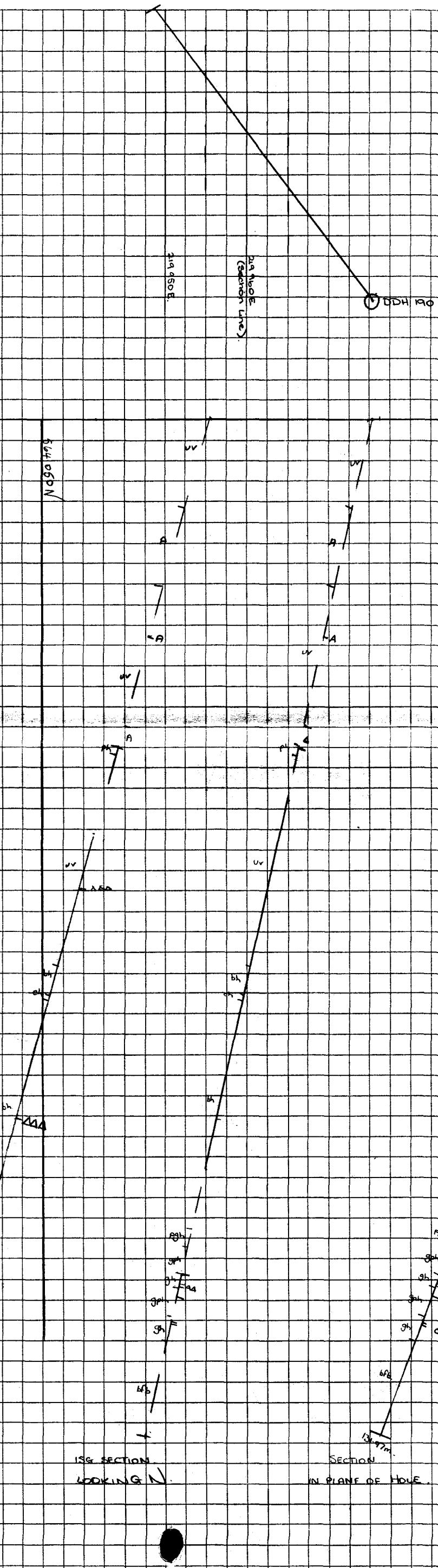
Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
B 1218	365	369.25	4.25	0.92		3.91	
B 1185	369.25	371	1.75	0.~~29~~ .27		.47	9' at 0.70% WO_3
6	371	374	3.0	0.64		1.92	2.7m at 0.70
7	374	383	9.0	0.14	0.12	1.26	
8	383	385.6	2.6	0.16		.42	
9	385.6	387	1.4	0.86		1.20	0.4m 0.86
B 1190	387	393.5	6.5	0.11		.71	

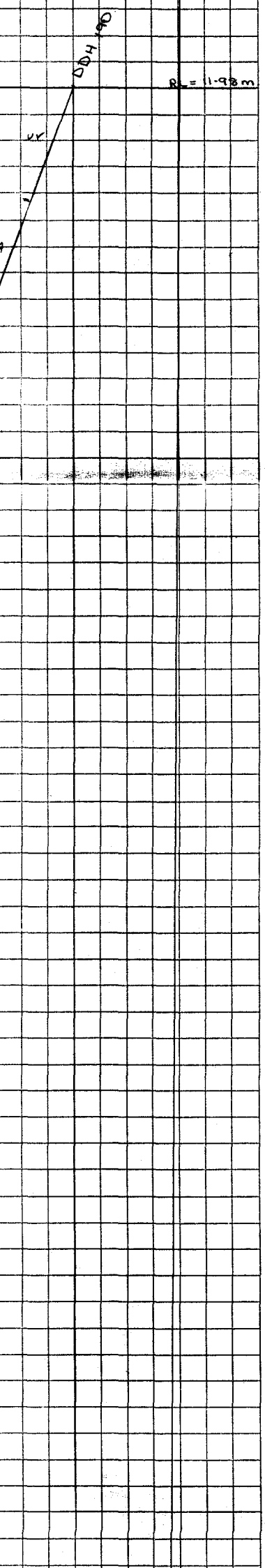
DDH 190
1:500.

COLLAR 11.98 RL

564050 N.

plotted on 219.960 E





Sten: 185

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 189

Location . Beach Section 6N .....

Final Depth... 518'6" ..... (158.0m)

Dip..... 75° .....

Date Commenced ... 9. 1. 67 .....

Elevation... 0.12' .....

Co-Ords.. 71.418, 1920.585 .....

Bearing..... 315° .....

Date Completed.. 11. 2. 67 .....

I.S.G. Co-ords. 220,225·0E / 564,103·5N ; R.L. = 3·3 m.

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	65'	65'	No Core.	
65'	108'	43'	Volcanics, medium to fine grained, grey-green colour.	
	32.9		74' - 74'6" Fragmental section - tuff. 95' - 98' Ah bands.	
108'	151'	43'	Biotite Hornfels, fine grained brown with some thin Ph sections. 108' - 110' Ah bands.	
	46.0			
151'	172'	21'	Actinalite Hornfels, fine grained, massive, grey colour - very broken core.	
	52.4			
172'	187'	15'	Biotite-Actinalite Hornfels, fine grained, grey with a variable biotite content - very broken core.	
	57			
187'	250'6"	63'6"	Biotite Hornfels, brown, fine grained.	
	76.4		194' - 206' core broken, sheared and brecciated - infilled with calcite. Fault breccia; very strong fault zone.	
			206' - 242' core leached, broken and fractured. 217' fault breccia. 220' fault breccia. 222' - 227' 4" recovery; some Ph and Bh broken and brecciated. 227' - 233' 4" recovery; mainly brecciated Ph. 236' - 242' heavily leached and oxidised zone, with calcite stringers.	
			Fault Zone 194' - 242'	
			243' - 250' biotite hornfels with stringers of calcite. 250' - 250'6" Aplite dyke.	
250'6"	253'	3'	Hybrid Rock, alternating bands of Bh and Ph fairly thinly bedded.	
	77.1			
253'	275'	22'	Biotite Hornfels. Brown, fine grained, with occasional thin bands of Ph. 255'6" - 256'6" Shear zone with calcite.	
	83.8			
275'	287'	12'	Hybrid Rock, alternating Bh and Ph.	
	87.5			

Footage From	Footage To	Footage Length	Description	Assay WO3
287'	290'6" 88.5	3'6"	Pyroxene Hornfels, green, fine grained to medium grained, massive, no scheelite mineralisation.	
290'6"	305'3" 93.0	14'9"	Garnet Hornfels, brown - yellow garnets with minor pyroxene and calcite.	
			290'6" - 291' no mineralisation.	
			291' - 293' disseminated scheelite with some coarse patches. Sampled.	3.10
			293' - 295' Sampled; poor, patchy scheelite.	0.60
			295' - 298' Sampled.	1.48
			295' - 297'6" good mineralisation.	
			297'6" - 298' broken core, poor mineralisation.	
			298' -,300' Sampled, disseminated scheelite.	1.33
			300' - 303' Sampled, barren sections, alternating with coarse disseminated scheelite.	0.95
			304' - 305'3" honey coloured garnet - oxidised appearance - not mineralised.	
305'3"	328'6" 100.1	23'3"	Biotite Hornfels, brown fine grained, well cleaved.	
			305'3" - 309',broken and brecciated core.	
			314' bands of Ph and Bh.	
			323' - 324' flat calcite filled shear 0°- 5°.	
328'6"	339' 103-3	10'6"	Actinolite Hornfels, grey, fine grained, massive.	
			328'6" - 333' well bedded spotted Bh/Ah.	
339'	351'6" 107.1	12'6"	Biotite Hornfels.	
351'6"	354' 107.9	2'6"	Pyroxene Garnet Hornfels, green with garnet inclusions, angular, with dark green reaction rims. Brecciated sections containing calcite.	
354'	371' 113.1	17'	Pyroxene Hornfels, green, fine grained, calcite patches.	
			358' - 363' fault breccia, coarse blebs of scheelite mineralisation at 357',363'6",363'8".	
			366'6" fracture plane, 368' associated with calcite and a fracture.	
			368' - 371'9" Sampled plus some Molybdenite mineralisation.	0.20
371'	375' 114-3	4'	Garnet Pyroxene Hornfels with some Gh bands and calcite locally. Very coarse scheelite and some Molybdenite at 372'. Minor blebs of scheelite throughout at intervals.	
			371'9" - 376'6" Sampled; low grade scheelite.	2.79

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 189

Footage From	Footage To	Footage Length	Desciption	Assay WO$_3$
375'	416' 126·8	41'	**Garnet Hornfels**, dark brown garnet with minor calcite. Disseminated scheelite throughout.	
			376'6" - 383' Sampled.	2·06
			383' - 388' "	5·16
			388' - 393' "	2·73
			393' - 398' "	1·45
			398' - 403' "	1·93
			403' - 407' "	2·44
			407' - 410' "	1·84
			410' - 411' "	0·22
			Bh band poorly mineralised.	
			411' - 416' Sampled, very high grade disseminated coarse scheelite.	9·40
416'	420' 128	4'	**Garnet Pyroxene Hornfels** with some calcite and disseminated scheelite mineralisation.	
			416' - 420' Sampled.	1·28
420'	430'6" 131·2	10'6"	**Hybrid Rock** Ph/Bh and some quartzite looking bands.	
			420' - 421' Sampled, weak scheelite mineralisation.	0·21
			421' - 422' Sampled, garnet rich band with disseminated scheelite.	0·74
430'6"	479' 146	48'6"	**Garnet Pyroxene Hornfels**, light coloured appearance with garnets and calcite. Disseminated scheelite throughout.	
			430'6" - 438'6" Sampled.	0·69
			438'6" - 439'6" Sampled, very coarse scheelite high grade ore.	6·80
			439'6" - 445' Ph band, withweak scheelite mineralisation. SAMPLED	0·98
			455'6" - 472'6" Banded Ph and Bh with finely disseminated scheelite throughout.	
			445' - 448'6" Sampled	0·92
			448'6"-453'6" "	1·89
			455'6"-458'3" "	0·63
			458'3"-461'6" "	0·95
			461'6"- 469' "	0·75
			472'6" - 479' Broken and brecciated zone of Ph and Bh.	
479'	490'6" 149·5	11'6"	**Calcite Hornfels** with some thin bands of Ph	
			480' - 481' Gph with disseminated scheelite (unsampled)	
490'6"	518'6" 158·0	28'	**Biotite Hornfels** (?) greenish grey, speckled, soft fine grained, massive green ground mass with larger brown mica flakes. Grades into more massive biotite quartzite. Very likely older volcanics.	
			END OF HOLE.	

OLD VOLCS OVERLYING RHYOL

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 189

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 2191	287	289	2	0.05	(0.01		
2	289	291	2	0.04	(0.01		
C 0491	291 (88.7)	293	2	3.00	0.08	6	3.66m
2	293 (89.3)	295	2	0.55	0.02	1.1	12' at
3	295 (89.9)	298	3	1.54	0.03	4.62	1.44
4	298 (90.8)	300	2	1.40	0.03	2.80	
5	300 (91.4)	303	3	0.92	0.02	2.76	
A 2193	303	305	2	0.03	0.048	17.28	
4	305	307	2	0.05	0.091		
[illegible]							
A 2200	352	354	2	0.05	(0.01		
1	354 (107.9)	356	2	0.35	0.01	0.70	
2	356 (108.5)	358	2	0.39	0.027	0.78	
3	358 (109.1)	360	2	0.22	0.058	0.44	
4	360 (109.7)	362	2	0.21	0.017	0.42	
5	362 (110.3)	364	2	0.89	0.099	1.78	
6	364 (110.9)	366	2	0.31	0.013	0.62	
7	366 (111.6)	368	2	0.29	(0.01	0.58	
C 0496	368 (112.2)	371.75	3.75	0.22	0.01	0.82	
7	376.5 (114.8)	383	[illegible]	2.06	0.05	11.33	
8	383 (116.7)	388	5	3.20	0.08	16	68' at
9	388 (118.3)	393	5	3.10	0.08	15.5	1.90 % WO_3
C 0500	393 (119.8)	398	5	1.66	0.04	8.3	
1	398 (121.3)	403	5	1.86	0.05	9.3	
2	403 (122.8)	407	4	2.82	0.05	11.28	
3	407 (124.1)	410	3	1.92	0.08	5.76	
4	410 (124.9)	411	1	0.24	0.01	0.24	
5	411 (125.3)	416	5	8.00	0.22	40	
6	416 (126.8)	420	4	1.14	0.03	4.56	
7	420 (128.0)	421	1	0.18	(0.01	0.18	
8	421 (128.3)	422	1	0.92	0.02	0.92	
A 2195	422 (128.6)	424	2	0.06	(0.01	0.12	
6	424 (129.2)	426	2	0.05	0.012	0.10	
7	426 (129.8)	428	2	0.05	0.013	0.10	
8	428 (130.5)	430.5	2.5	0.15	(0.01	0.37	
C 0509	430.5 (131.2)	438.5	8	0.64	0.02	5.12	
10	438.5 (133.6)	439.5	1	8.30	0.17	8.3	38.5' at
							1.08 % WO_3

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 189

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
C 0511	439.5	445	5.5	1.02	0.02	5.61	11.73 m
2	445 (135.6)	448.5	3.5	0.84	0.03	2.94	
	448.5 (136.7)	453.5	5.0	1.89		9.45	38.5' at
A 2199	453.5 (138.2)	455.5	2	0.03	(0.01	0.06	1.08 % WO_3
C 0513	455.5 (138.8)	458.25	2.75	0.70	0.02	1.92	
	458.25 (139.7)	461.5	3.25	0.95		3.09	
C 0514	461.5	469	~~8.5~~ 7.5	0.70	0.02	5.25	
A 2208	469 (140.7)	471	2	0.04	(0.01	41.74	
9	471	473	2	0.03	(0.01		
10	473	475	2	0.04	0.05		total
1	475	477	2	0.05	0.031		110.25' at
2	477	479	2	0.07	0.016		1.36
3	479 (146)	481	2	0.17	(0.01		
4	481 (146.6)	483	2	0.41	0.019		
5	483	485	2	0.05	(0.01		
6	485	487	2	0.02	(0.01		
7	487	489	2	0.04	(0.01		
8	489	491	2	0.03	(0.01		
9	491	493	2	0.05	0.013		
20	493	495	2	0.08	0.013		

Sten: 185

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 188

Location ..Beach Section 5N.....
Elevation...292'.....
Final Depth.....392'.....(119.5 m.).
Co-Ords. 76-478. 1773-36E.....
Dip.....60°.....
Bearing....315°.....
Date Commenced .13..12..66.....
Date Completed...10..1..67.....

I.S.G. Co-ords: 220,180·4 E / 564,108·4 N; (R.L. = 4·2 m.)

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	48'	48'	No core.	
	14·6			
48'	161'	113'	Volcanics.	
	49·1		48' - 71' Green coloured fine to medium grained, slightly porphyritic and spotty in patches - biotite common.	
			69' - 71' Scheelite bearing veinlets cutting core.	
			71' - 73' Appearance of banded Ph/Bh, scheelite in fractures.	
			73' - 78'6" Green Volcanics.	
			78'6" - 81' Light coloured pink and white rock-garnet rich with 2" band of disseminated scheelite.	
			104' 3" band of pink garnet and brecciated rock.	
			120' - 123' Fine grained Bh., banded.	
			126' - 130' Bands of Ab. alternating with volcanics.	
161'	204'	43'	Biotite Hornfels; fine grained, black, dense rock.	
	62·2		188' - 188'6" Aplite dyke.	
			185' - 201' Bands of Ph. up to 18" 224-243=Ph.	
204'	243'	39'	Hybrid Rock; Alternating bands of Ph/Bh.	
	74·1		213' Brecciated zone.	
			236' - 243' Zone of fracturing and shearing.	
			240' - 243' Sampled - good scheelite.	1·30
243'	255'8"	12'8"	Calcite Hornfels	
	77·9		243' - 248'8" Sampled - weak scheelite	0·11
			248'8" -250'8" Sampled - good scheelite	0·08
			250'8" -255'8" Sampled - very weak scheelite	0·22
			255'8" -258'8" Sampled - fair scheelite, mainly along fractures.	0·07
255'8"	266'	10'4"	Biotite Hornfels; grey, mottled, medium grained.	
	81·1			
266'	272'	6'	Calcite Hornfels; very slight scheelite mineralisation, not sampled.	
	82·9			

DIAMOND DRILL CORE LOG SHEETS HOLE No. D.D.H. 188

Footage From	Footage To	Length	Description	Assay WO.
272'	276' 84-1	4'	Biotite Hornfels (?) dark, sheared and fractured.	
276'	280' 85-3	4'	Calcite Hornfels with patches of Bh as inclusions.	
280'	285' 86-9	5'	Garnet Pyroxene Hornfels; green - brown rock with scheelite finely disseminated.	
			280' - 282'6" Sampled - fair disseminated scheelite	0.46
			282'6"-283'4" Trace of scheelite - not sampled.	
			283'4"-285' Less garnet more Ph with some Bh bands.	
			Bh with bands of Ph & garnets.	
285'	311' 94-8	26'	Hybrid Rock Interbedded Ph/Bh bands.	very fractured 302' to 332
311'	335'6" 102-3	24'6"	Biotite Hornfels; brown, fine grained, with minor local bands of Ph.	
			328' - 334' Bh cut by calcite stringers.	
			334'6"-335'6" Brecciated zone.	
			BEB.	
335'6"	360' 109-7	24'6"	Hybrid Rock; fairly thinly bedded Bh/Ph bands. Pyrite along fractures. Blebs of pink garnet up to ½", common.	
			339' - 346' Some sporadic weak scheelite mineralisation - not sampled.	
			359' - 360' Pyrite dissemination in portions of core.	
360'	392' 119-5	32'	Quartzite.	
			360' - 362' Biotite quartzite.	
			377'9" - 378'3" Agglomerate band.	
			379' - 379'6" Agglomerate band.	

END OF HOLE 392'

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 188

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
68	69	71	2	Sample	Melb. Uni.		
A 2261	71	73	2	0.09	0.01		
2	78	80	2	0.08	(0.01		
3	80	82	2	0.07	(0.01		
A 2275	204	206	2	0.04	0.013		
6	206	208	2	0.04	0.01		
7	208	210	2	0.04	0.019		
8	210	212	2	0.03	0.01		
9	212	214	2	0.02	0.013		
80	214	216	2	0.05	0.01		
1	216	218	2	0.06	0.015		
2	218	220	2.04	0.04	0013		
3	220	222	2.	0.05	0.017		
4	222	224	2	0.04	(0.01		
5	224	226	2	0.05	0.015		
6	226	228	2	0.05	0.027		
7	228	230	2	0.04	0021		
8	230	232	2	0.04	(0.01		
9	232	234	2	0.03	0.015		
90	234	236	2.	0.05	(0.01		
1	236	238	2	0.04	(0.01		
2	238	240	2	0.04	(0.01		(0.9m) 3ft at 1.47%
C 0381	240 (73.15)	243 (74.1)	3		1.47	0.10	B
2	243	248.67	5.67	0.06	(0.01		
3	248.67	250.67	2	0.06	(0.01		
4	250.67	255.67	5	0.11	(0.01		
5	255.67 (76.4)	258.67	3	0.07	(0.01		
A 2266	258.67	260.67	2	0.05	0.013		
7	266	268.5	2.5	(0.01	(0.01		
8	268.5	270.5	2	(0.01	(0.01		
9	270.5	272.5	2	0.02	(0.01		
70	272.5	27415	2	0.05	0.027		
1	274.5	276.5	2	0.05	0.019		
	276.5	279	2.5	0.00	0.00		
A 2272	279	280	1	0.02	0.00		2.5ft (0.75m) at 0.46%
C 0386	280	282.5	2.5	0.46			
A 2273	282.5 (85.3)	284.5	2	0.08	0.046		
4	284.5	285	0.5	0.08	0.04		

DIAMOND DRILL HOLE 188

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARK
A2293	332 101.2	334	2.0	0.08	0.017		
A2294	334 101.8	336	2.0	0.06	0.013		
A2295	336 102.4	338	2.0	0.05	(0.01		
A2296	338 103.0	340	2.0	0.37	0.021	0.74	6' at
A2297	340 103.6	342	2.0	0.15	(0.01	0.30	0.26% WO_3
A2298	342 104.2	344	2.0	0.27	(0.01	0.54	
A2299	344 104.8	346	2.0	0.08	(0.01		
A2300	346 105.5	348 106.0	2.0	0.15	(0.01		

Location: Beach — Elevation: 1.12 +

Final Depth: 287 Feet (87.5m) — Co-ords: 99976.4 25.58S-1876.61E

Dip: 60° — Bearing: -

Date Commenced: — Date Completed: 10/12/1966

I.S.G. Co-ords: 220,213·8 E / 564,119·2 N; R.L = 3·6m

Footage From	Footage To	Length Run	Length Rec.	Description
0	51 15.5			No core
51	68 20.7			Volcanics 51' - 54' tuffaceous fragmental. 54' - 68' tough green rock with few inclusions. Pyroxene min. along fractures. Biotite locally.
68	72 21.9			Biotite hornfels
72	78 23.8			Garnet pyroxene hornfels, fine to med. grained, garnet rich but not true garnet hornfels. } A lens. 72' - 74' little sch. 74' - 76' fair diss. sch. 76' - 76'5" Weak sch. min. 76'5"- 78' Fair diss. sch.
	188 57.3			Biotite hornfels 94'-103' Some pyroxene hornfels bands 103'3" - 130'10" Two bands calcite hornfels 140' - 160' Some bands Actinolite hornfels ? 167' - 173' - Pyroxene hornfels looking rock 179' - 184' - Rounded blue inclusions in biotite hornfels.
188	204 62.2			Rapidly alternating pyroxene hornfels and biotite hornfels bands. 193' - 197' - BrecciatedZone.
204	209 63.7			Pyroxene hornfels, pale green and very brecciated.
209	218 66.4			Pyroxene hornfels ? dark black gm with patches of garnet hornfels and calcite, pyroxene hornfels and garnet blebs. Brecciated in part and containing fragmental inclusions locally. Could be altered Pgh. Patchy sch. min. throughout.
218	219 66.8			Garnet hornfels, yellow gar. Sch. Min.
219	229 69.8			Pyroxene hornfels, brecciated, altered, calcite veinlets common, weak and patchy sch. min. B
229	253'6" 77.3			Garnet hornfels, yellow gar, patchy diss. & coarse sch. throughout.
253'6"	255' 77.7			Pyroxene hornfels, some scheelite.
255	262'6" 80			Garnet hornfels, patchy min.
262'6"	263'6" 80.3			Pyroxene hornfels.
263'6"	273 83.2			Calcite hornfels
273	274'6" 83.7			Garnet hornfels, good coarse sch.
274'6"	287' 87.5			Biotite ~~Quartzite~~. Hornfels - relogged NRK. 27.7.70

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 187

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 3575	70	72	2	0.06	(0.01		
C 0316	72 (21.9)	74	2	0.11	(0.01		
7	74 (22.6)	78	4	0.41	0.01	4	9ft (2.82m) at 0.41%
A 3576	78	80	2	0.07	0.022		
7	208 (63.4)	210	2	0.13	0.017	2.69	
C 0318	210 (64.0)	210.67	.67	~~12.10~~ 4.0	0.32	8.1	8ft (2.44m) at
9	210.67 (64.2)	214	3.33	0.60	0.03	1.99	
20	214 (65.2)	218	4	0.68	0.01	2.72	
1	218 (66.4)	224	6	0.16	0.01	0.96	
2	224 (68.3)	225.5	1.5	0.16	(0.01	~~2.16~~ 0.24	
3	225.5 (68.7)	229	3.5	0.28	(0.01	0.98	49.5' at 0.64 % WO_3
4	229 (69.8)	232.25	3.25	1.05	0.03	3.67	
5	232.25 (70.8)	236	3.75	1.97	0.04	7.38	
6	236 (71.9)	241	5	0.22	(0.01	1.1	
7	241 (73.4)	247	6	0.06	(0.01	0.36	7.25ft (2.21m)
8	247.25 (75.4)	253.5	6.25	0.27	(0.01	1.69	1.52% WO_3
9	253.5 (77.3)	255	1.5	0.14	(0.01	0.21	
30	255 (77.7)	258	3	0.34	0.01	1.02	4ft (1.22m) at 0.57% WO_3
1	258 (78.6)	259	1	1.12	0.04	1.12	
2	259 (78.9)	262.5	3.5	0.16	(0.01		
A 3579	262.5	264.5	2	0.09	(0.01		
80	264.5	266.5	2	0.02	(0.01		
1	266.5	268.5	2	0.01	(0.01		
2	268.5	270.5	2	0.01	"		
3	270.5	273	2.5	0.03	(0.01		
C 0333	273 (83.2)	274.5	1.5	0.96	0.03		
A 2578	274.5	276.5	2	0.08	(0.01		

Location Beach | Elevation 1.17 Feet

Final Depth 188 Feet (57.3 m) | Co-Ords 105.64N-1748.27E

Dip 60° | Bearing -

Date Commenced | Date Completed

L.S.G. co-ord: 220,180·9 E / 564,164·5 N; R.L. = 3·7 m.

Footage From	Footage To	Length Run	Length Rec.	Description	SG	Mag.
0	32 (9.8)			No Core		
32	80 (24.4)			Biotite hornfels, generally fine grained, with bedded dark brown.		
80	83 (25.3)			Pyroxene hornfels, fine grained, green, very sheared and brecciated, cut by veinlets of pyroxene and calcite. 81'3" - 82' Some sporadic coarse sch. 82' - 82'6" Fine diss. sch. ◊0.4		
83	188 (57.3)			Quartzite 85' - 87' - Very sheared and schistose — Fault? 91' - MoS_2 dissem in quartzite. 91' - 118' Grey green siliceous. 118 - 125 Greyish biotite quartzite 138 - 188 Quartzite with biotite rich patches and bands of biotite hornfels. Core very broken, poor recovery.		

Location: Beach — Elevation: 2.56 Feet

Final Depth: 232 Feet (70.7 m) — Co-ords: 325.46N-1815.05E

Dip: 60° — Bearing: - 315°

Date Commenced: — Date Completed:

I.S.G. Co-ords: 220, 210.7 E / 564, 227.8 N; R.L. = 4.1 m

Footage From	Footage To	Sample Num	Sample Rec	Description
0	42 (12.8)			No core
42	232 (70.7)			Quartzite - generally fine grained, grey, structureless. Core very broken generally.

Beach -0.73 Feet

Final Depth 720 Feet (219.5 m) 39633.8 366.96S-1968.26E

Dip -60° - 315°

Date Commenced Date Completed

I.S.G. Co-ords: 220,226.4E / 564,012.2; R.L. = 3.5m.

Footage From	Footage To	Run	Recovery	Description
0	85	25.9		No core - rubble and sand
85	309	94.2		Volcanics, 85' - 184' Fine grained massive grey green. 184'-196', some brecciated zones. 196'-198'6" pyroxene hornfels and biotite hornfels. 198'6"-209', brown porphyritic.
309	378	115.2		Biotite hornfels with bedded brown fine grained sections of mottled appearance.
378	418	127.4 9		Biotite hornfels and pyroxene hornfels, interbedded.
418	440	134.1		Pyroxene hornfels, fine grained pale green.
440	456'6"	139.1		Calcite hornfels with bedded grey-white.
456'6"	468'	142.6		Pyroxene hornfels with garnets and interbedded calcite hornfels.
468'	479	146		Calcite hornfels, grey, fairly massive.
479	484	147.5		Pyroxene hornfels, fine grained pale green, few garnets.
484	497'6"	151.6		Biotite hornfels, fine grained with bedded brown.
497'6"	501'	152.7		Pyroxene hornfels, fine grained, dark green, medium grained with angular inlcusions of calcite, part replaced by garnet. pyroxene garnet hornfels.
[redacted]	517	157.6		Biotite hornfels, fine grained with bedded, some actinolite hornfels bands.
517	541'6"	165.0		Pyroxene garnet hornfels, fine grained light-dark green medium grained with large (variable) inclusions of angular garnets.
541'6"	569'6"	173.6		Garnet hofnfels with diss. scheelite.
569'	573	174.6		Pyroxene hornfels, banded, some sch.
573	577'6"	176.0		Garnet hornfels, good sch. mineralisation
577'6"	579'6"	176.6		Calcite hornfels with scheelite
579'6"	581'3"	177.2		Garnet hornfels, with scheelite
581'3"	584'7"	178.2		Calcite hornfels
584'7"	641'10"	195.6		Garnet hornfels with interbedded pyroxene hornfels, biotite hornfels, calcite hornfels and garnet pyroxene hornfels bands.
641'10"	651'	200.3		Garnet pyroxene hornfels interbedded with pyroxene hornfels and garnet hornfels, very minor scheelite.
651'6"	-652'6"	199.0		Garnet hornfels.

From	To			Description
657	689 210.			Rapidly alternating biotite hornfels and pyroxene hornfels bands, thinly bedded.
689	706'4" 215.3			Biotite hornfels with minor bands pyroxene hornfels.
706'4"	708 215.8			Calcite hornfels
708	720 219.5			Pyroxene hornfels with minor bands biotite hornfels and few thin calcite bands.

708 – 715 OV ?

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 184

Logged By :

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	A 2472	537.5 (163.8)	539.5	2	0.16	(0.01		
	3	539.5	541.5	2	0.07	(0.01		
	C 0291	541.5 (165.0)	542.5	1	2.84	0.06	2.84	
	2	542.5 (165.4)	547	4.5	1.70	0.06	7.65	
	3	547 (166.7)	550	3	2.50	0.08	7.50	
	4	550 (167.6)	555	5	0.86	0.03	4.30	
	5	555 (169.2)	560	5	1.40	0.02	7.0	
		560 (170.7)	562	2	0.50	-	omitted	LOST CORE
	6	562 (171.3)	567	5	0.87	(0.01	4.35	
	7	567 (172.8)	569	2	0.83	0.02	1.66	
	8	569 (173.4)	573	4	0.16	(0.01	0.64	
	9	573 (174.7)	577.5	4.5	0.62	(0.01	2.79	
	C 0300	577.5 (176.0)	579.5	2	0.15	(0.01	0.30	
	1	579.5 (176.6)	581.25	1.75	1.27	0.04	2.22	
	2	581.25 (177.2)	584.60	3.35	0.19	(0.01	0.64	
	3	584.6 (178.2)	588.5	3.9	2.15	0.05	8.39	C Lens
	4	588.5 (179.4)	589.5	1.0	0.30	0.01	0.30	100-3 ft (30.57m)
	5	589.5 (179.7)	590.25	0.75 (0.57)	0.93	0.02	0.70	at
	6	590.25 (179.9)	597.5	7.25	0.31	(0.01	2.25	0.139 % WO_3
	7	597.5 (182.1)	603	5.5	1.30	0.02	7.15	
	8	603 (183.8)	608	5.0	0.78	0.01	3.9	
	9	608 (185.3)	615	7	0.90	0.01	6.3	
	10	615 (187.5)	621.8	6.8	0.27	(0.01	1.84	
	1	621.8 (189.5)	623.5	1.7	1.70	0.01	2.89	
	2	623.5 (190.0)	626.3	2.8	2.45	0.04	6.86	
	3	626.3 (190.9)	628.6	2.3	0.78	(0.01	1.79	
	4	628.6 (191.6)	635	6.4	0.34	(0.01	2.18	
	5	635 (193.5)	641.8	6.8	0.92	0.04	6.25	
	A 2463	641.8 (195.6)	643	1.2 (100-3)	0.21	0.010	13.69	
	4	643	645	2	0.05	(0.01		
	5	645	647	2	0.04	(0.01		
	6	647	649	2.0	0.06	(0.01		
	7	649	651	2	0.03	(0.01		
	8	651	653	2	0.07	(0.01		
	9	653	655	2	0.04	(0.01		
	70	655	657	2	0.07	0.019		
	1	657	659	2	0.05	(0.01		

Beach

624 Feet (190.2 m)

60°

0.11 Feet

9971.8.6

281.40S-1797.27E

- 295°

22/8/1966

I.S.G. Co-ords: 220,178·6 N / 564,045·6 E R.L. = 3·3m.

0	46 (14.0)	Rubble and sand
46	56 (17.1)	Actinolite hornfels
56	112 (34.1)	Olivine hornfels, altered breccia
112	112'3" (34.2)	Aplite
112'3"	197' (60.0)	Olivine hornfels, altered breccia
197'	215'6" (65.7)	Biotite hornfes, 70° to a of c.
215'6"	216'6" (66.0)	Aplite
216'6"	256' (78.0)	Biotite hornfels, 70° to a of c.
256'	262' (79.9)	Actinolite hornfels with pyrites.
262	266 (81.1)	Biotite hornfels
266	285 (86.9)	Actinolite hornfels
285	303 (92.4)	Biotite hornfels, 60° to a of c.
303	340 (103.6)	Biotite hornfels, joints filled with calcite.
340	365 (111.3)	Biotite hornfels, irregular bands and patches pyroxene hornfels.
365	375 (114.3)	Broken biotite hornfels with slickensides } fault?
375	387 (118)	Broken biotite hornfels, slickensides. }
387	410 (125)	Pyroxene garnet hornfels
410	419 (127.7)	Pyroxene garnet hornfels, scattered coarse scheelite.
419	448 (136.6)	Garnet hornfels
448	472 (143.9)	Banded garnet hornfels
472	478 (145.7)	Banded biotite hornfels, pyroxene hornfels, garnet in places.
478	481 (146.6)	Biotite hornfels, pyroxene hornfels with slickensides.
481	506 (154.2)	Broken biotite hornfels, pyroxene hornfels
506	624 (190.2)	Banded biotite hornfels, pyroxene hornfels with occasional 65° - 75° garnet hornfels and calcite hornfels bands.

409 - 414

1.0 65' at 1.00% WO_3

See assay results N°2

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 183

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2474	405	407	2	0.04	(0.01		
5	407	409	2	0.04	(0.01		
C 0271	409 (124.7)	414	5	0.58	0.01		
2	414 (126.2)	419	5	0.10	(0.01		
3	419 (127.7)	424	5	1.95	0.04		
4	424 (129.2)	429	5	2.05	0.12		
5	429 (130.8)	434	5	1.33	0.03		
6							
7	434 (132.3)	439	5	0.44	0.03		C LENS
8	439 (133.8)	444	5	1.18	0.03		60' at 1.02 % WO_3
9	444 (135.3)	449	5	1.47	0.03		
80	449 (136.9)	454	5	0.07	(0.01		
1	454 (138.4)	459	5	0.41	0.01		
2	459 (139.9)	464	5	0.96	0.02		
3	464 (141.4)	469	5	1.67	0.04		
4	469 (143.0)	474	5	0.15	(0.01		
A 2476	474	476	2	0.06	0.016		
7	476	478	2	0.07	0.023		

6.40 Feet + 10.81 = 17.21

343 Feet · 104.54 — 101.35-1096.64E — 5.26

Vertical

I.S.G. Co-ords: 219,975.2E/564130.8N; R.L. = 5.2m

0	10			Clay
10	29	8.84		Pyroxene hornfels, bands garnet hornfels
29	43	13.1		Grey calcite hornfes 40° to a of c.
43	47	14.33		Green calcite hornfels
47	54	16.5		Grey calcite hornfels
54	60	18.3		Grey calcite hornfels
60	91	27.7		Actinolite hornfels
1	16	35.4		Grey calcite hornfels
16	120	36.6	B lense	Green calcite hornfels, occasional bands of garnet hornfels.
20	129	39.3		Grey calcite hornfels
29	132	40.2		Pyroxene hornfels
32	173	52.7		Biotite hornfels bands pyroxene hornfels 50° to a of c.
73	237	72.4	pgh	Pyroxene garnet hornfels
37	240	73.2	bh	Biotite hornfels
40	255	77.7	gh	Garnet hornfels ← m/m
55	294	89.6		Banded garnet hornfels
94	297	90.5		Banded biotite hornfels, pyroxene hornfels.
97	303	92.4		Biotite hornfels, pyroxene hornfels with bands garnet hornfels.
03	343	104.5		Thin bedded biotite hornfels, pyroxene hornfels. 45°

HOLE INTERSECT IN UPPER PIT AT -75 m LEVEL WITH SAME CO-ORDS AS COLLAR IE VERTICAL TO -75m LEVEL

No obvious faulting for the complete hole
Revealed fault zone with calcite at 289' and another at 293 (minor)
Both at 20° to core axis

J. Potter, JAN '80

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **182 (Reassay Sept. 1972)**

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo Check Assay	L X A	REMARKS
B 1298	185	195	10	0.09		0.90	
9	195	205	10	0.07		0.70	
1300	205 (62.5)	215	10	0.39		3.90	
1	215	220	5	0.38	~~1.9~~	1.90	62.5 – 71.6 m
2	220	225	5	0.43	0.44	2.15	9.1 @ 0.64%
3	225	230	5	1.36		6.80	
4	230	235	5	0.89		4.45	
							100% at
5	235	240	5	0.03		0.15	
6	240	245	5	0.36		1.80	
B 1307	245 (74.6)	250	5	1.24	1.23	6.20	0.75% Loje
B 1330	250	255	5	0.31		1.55	0.52% WO3
B 1308	255	260	5	0.72	0.70	3.60	71.6 – 86.9 m
9	260	265 (80.8)	5	1.15		5.75	15.2 @ 0.58%
10	265	270	5	0.48	0.48	2.40	
1	270	275	5	0.30	0.30	1.50	
2	275	280	5	0.81		4.05	
[redacted] ASSAY →	280	285	5	0.36		1.80	
3	285	290	5	0.27		1.35	
4	290	295	5	0.04	0.20	0.20	
B0315	295	305	10	0.28	0.30	2.80	

DIAMOND DRILL HOLE 182

Logged By:

FOOTAGES From	To	Length	ASSAY MO_3	Mo	T X A	REMARKS
3.0 10'	17'	7'	0.07			
5.1 17'	23'	6'	1.03		6.18	1.01/18'
7.0 23'	2 9'	6'	1.75		10.50	
8.8 29'	35'	6'	0.25		1.50	
10.7 35'	40'	5'	0.04			0.87/38'
40'	45'	5'	0.18			
45'	50'	5'	0.12			
50'	55'	5'	0.34			0.34/5'
29.3 96'	101'	5'	0.25		0.2	0.25/51
56.4 185'	195'	10'	0.16	0.09	1.60	
59.4 195'	205'	10'	0.07	0.07	0.70	
62.5 205'	215'	10'	0.42	0.39	4.20	
65.5 215'	220'	5'	0.40	0.38	2.00	
67.0 220'	225'	5'	0.48	0.43	2.40	
68.6 225'	230'	5'	1.16	1.36	5.80	
70.1 230'	235'	5'	0.87	0.89	4.35	
71.6 235'	240'	5'	0.14	0.03	0.70	
73.1 240'	245'	5'	0.34	0.36	1.70	
74.7 245'	250'	5'	1.28	1.24	6.40	
76.2 250'	255'	5'	0.35	0.31	1.75	100' at 0.54%
77.7 255'	260'	5'	0.97	0.72	4.85	
79.2 260'	265'	5'	1.07	1.15	5.35	
80.8 265'	270'	5'	0.44	0.48	2.20	
82.3 270'	275'	5'	0.38	0.30	1.90	
83.8 275'	280'	5'	0.84	0.81	4.20	
85.3 280'	285'	5'	0.36		1.80	
86.9 285'	290'	5'	0.33	0.27	1.65	
88.4 290'	295'	5'	0.11	0.04	0.55	
89.9 295'	305' 93.0	10'	0.38	0.28	1.90	

Returned Sept 72

DDH 182 (WIRELINE SURVEY)

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO.

1	2	3	4	5	6	7	8	9	10	11	12	13	14		15	
D Sh	Course Length	Drift Angle	Cosine Sine	Displacement Product	Vertical Depth	Total Vertical Depth	Total Displacement	Drift Direction	Latitude Log	Departure Log	Drift Log	Latitude	Departure		Latitude	Departure
												N	S		N	S
100	100															
200	100	30'	1.0000 .0087	.0087	200	200	1.74	N75W	0.2588 0.9659	0.2679	1.74	0.45			1.68	0.45
100	100															

RELINE SURVEY)

CALCULATION SHEET NO. 1

4	5	6	7	8	9	10	11	12		14	15	16
Cosine Sine	Cotangent Tangent	Vertical Depth	Vertical Depth	Course Deviation	Quadrant Direction	Cosine Sine	Cotangent Tangent	Deflection		Latitude Difference N	Departure E	Latitude Difference N
1.0000 .0087	.0087	200	200	1.74	N75W	0.2588 0.9659	0.2679	1.74	0.45		1.68	0.45		1.68

Beach

160 Feet (48.8m)

3.44 Feet

329.74N-1934.74E

Vertical

14/6/1966

I.S.G. Co-ords: 220,247.0E / 564,223.8N R.L. = 4.3m

From	To	
0	80 (24.4)	Rubble and boulders
80	105'4" (32.1)	Biotite actinolite hornfels
105'4"	106' (32.3)	Pyroxene hornfels
106'	144' (43.9)	Biotite actinolite hornfels
144	160 (48.8)	Quartzite

ADH IB1. I.L. 230' CASING 10' (CAMERA MALFUNCTIONING) 4.2.70.

EASTMAN WHIPSTOCK — DRILL HOLE SURVEY

CALCULATOR SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contingent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
100	100	2° 1'	.9992 .0393	.0393	99.92	99.92	3.93	N30W	.660 .500
200	100	2° 15'	.9992 .0393	.0393	99.92	199.84	3.93	N25W	.7063 .4226

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12		14			15		16	
Contangent Tangent	Depth Dif.	Co-ordinate Difference				Rectangular Difference			
			S	E	W	N	S	E	W
.5774	3.93	3.4			1.96	3.4			1.96
.4663	7.86	3.96			1.66	6.96			3.62

Beach

138 Feet (42.1m)

60°

28/5/1966

2.85 Feet

426.89N-1874.43E

315°

7/6/1966

I.S.G. Co-ords: 220,233·1 E / 564,255·8 N ; R.L. = 4·2 m

0	38 (11.6)	Rubble
38	40 (12.2)	Biotite actinolite hornfels
40	44 (13.4)	Spotted biotite actinolite hornfels
44	94 (28.7)	Biotite actinolite hornfels
94	104 (31.7)	Spotted biotite actinolite hornfels
104	106 (32.3)	Broken quartz
106	123 (37.5)	Biotite actinolite hornfels
123	138 (42.1m)	Quartzite.

(No Samples Taken)

Beach

494 Feet (150.6 m)

60°

0.84 Feet

165.44N-1832.69E

- 315°

I.S.G. Co-ords: 220,209.0 E / 564,178.8 N; R.L. = 3.6 m

0	48 (14.6)	Rubble		
48	70 (21.3)	Biotite ~~actinolite~~ hornfels		
70	117 (35.7)	Brown biotite hornfels, bands pyroxene hornfels.		
117	142 (43.3)	Pyroxene hornfels, occasional bands biotite hornfels.		
142	146 (44.5)	Garnet pyroxene hornfels.	140 - 145'	0.53
146	148 (45.1)	Pyroxene hornfels	145 - 150	0.08
			150 - 155	0.15
148	160 (48.8)	Garnet pyroxene hornfels	155 - 160	0.34
160	179 (54.6)	Calcite hornfels	160 - 170	0.06
179	188 (57.3)	Garnet pyroxene hornfels	170 - 179	0.14
188	200 (61)	Calcite hornfels	179 - 184	0.43
[redacted]	202 (61.6)	Garnet pyroxene hornfels	184 - 189	0.58
			189 - 194	0.07
202	230 (70.1)	Calcite hornfels	194 - 199	0.10
230	243 (74.1)	Banded biotite hornfels, pyroxene hornfels, bands, broken garnet 70°.	199 - 204	0.50
243	326 (99.4)	Brown biotite hornfels, banded, mottled pyroxene hornfels.		
326	374 (114)	Garnet pyroxene hornfels, lumps and fragments calcite.		
374	378 (115.2)	Pyroxene hornfels, bands biotite hornfels.		
378	380 (115.8)	Biotite hornfels, pyroxene hornfels.		
380	390 (118.9)	Broken biotite hornfels, pyroxene hornfels with slickensides.		
390	457 (139.3)	Biotite actinolite hornfels		
[redacted]	480 (146.3)	Biotite actinolite hornfels with pyrite		
480	489 (149.0)	Biotite actinolite hornfels		
489	494 (150.6)	Quartzite		

(No Samples Taken)

325 / 360 35' at 1.65% WO_3

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 179

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2484	130	132	2	0.05	0.038		
5	132 40.2	134	2	0.12	0.017		
6	134	136	2	0.04	(0.01		
7	136	138	2	0.05	(0.01		
8	138	140	2	0.04	(0.01		
5016	140 42.7	145	5	0.53		2.65	
5017	145 44.2	150	5	0.08		0.40	
C 0677	150 45.7	155	5	0.15	0.02		
8	155 47.2	160	5	0.39	0.04		
5018	160 48.8	170	10	0.06		0.60	
C 0679	170 51.8	179	9	0.04	(0.01		B
80	179 54.6	184	5	0.42	0.01		
1	184 56.1	194	10	0.04	(0.01		
5019	194 59.1	199	5	0.10		0.50	
5020	199 60.7	204	5	0.50		2.50	
A 2480	204	206	2	(0.01	(0.01		
1	206	208	2	(0.01	(0.01		
2	208	210	2	(0.01	(0.01		
3	210	212	2	0.01	0.024		
A 2478	321	323	2	0.07	0.033		
9	323	325	2	0.07	0.021		
C 0682	325 99.1	330	5	0.48	0.01	2.40	
3	330 100.6	335	5	2.35	0.07	11.75	
5021	335 102.1	340	5	0.69		3.45	
C 0684	340 103.6	345	5	4.76 4.9	0.14	20.0	C
5022	345 105.2	350	5	1.61		8.05	
5023	350 106.6	355	5	1.07		5.35	
5024	355 108.2	360	5	0.86		4.30	
	360 109.7	365	5	0.10		55.3	
	365 111.2	370	5	0.23			

10.7 ft at 1.58% WO_3 G.B.

Beach

243 Feet (74.1 m)

60°

0.99 Feet

305.2N-1720.05E

- 315°

I.S.G. Co-ords: 220,181·2 E / 564,225·9 N ; R.L. = 3·6 m

From	To	Rec.	Description
0	29 (8.8)		Rubble
29	65 (19.8)		Biotite hornfels bands pyroxene hornfels
65	73 (22.3)		Pyroxene hornfels
73	78 (23.8)		Garnet pyroxene hornfels
78	82 (25)		Garnet pyroxene hornfels
82	85'6" (26.1)		Pyroxene hornfels bands biotite hornfels
85'6"	87' (26.5)		Pyroxene hornfels, much pyrite.
87	100 (30.5)	Poor C.	Biotite hornfels, bands pyroxene hornfels
100	167 (50.9)		~~Biotite~~ actinolite hornfels, broken core, slickensides at 145' and 166'. 44.2m 50.6
167	173 (52.7)		Biotite hornfels
173'	180 (54.9)		Biotite hornfels, actinolite hornfels broken core and slickensides.
180	195 (59.4)		~~Biotite~~ actinolite hornfels
195	211 (64.3)		Biotite hornfels, slickensides 205' - 207'
211	233 (71.0)		~~Biotite~~ actinolite hornfels. 62.8 m
233	243 (74.1)		Quartzite.

SAMPLES

73	to	79	2.80	0.26
79	to	84	0.83	0.12

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 178

Logged By : Ramsay Sept '72

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2501	69	71	2	0.11	0.036		
2	71 (21)	73	2	0.07	(0.01		
C 0285	73 (21.6)	79	6	2.48	0.11	14.88	
6	79 (22.3)	84	5	0.79	0.08	3.95	B
A 2503	84 (24.1)	86	2	0.08	0.013		
4	86 (25.6)	88	2	0.07	0.015		
	(26.2)						

DIAMOND DRILL HOLE 178

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2501	269 21.0	71	2	0.11	0.036		
A2502	71 21.6	73	2	0.07	(0.01		
	73 22.2	79	6	2.80	0.26	16.80	B 11' at 1.90% WO_3
	79 24.1	84	5	0.83	0.12	4.15	
A2503	84 25.6	86	2	0.08	0.013		
A2504	86 26.2	88 26.8	2	0.07	0.015		3.35 m at 1.90% WO_3

Beach
66 Feet (20.1 m)
Vertical

8.07 Feet +10.81 = 18.88
5.75m.
153.74N-1554.20E

I.S.G. Co-ordo: 220,124.5E / 564,187.5N ; R.L. = 5.8m

0	37 m.3	Rubble
37	66 20.1	Quartzite
		(No Samples Taken)

Beach

256 Feet (78.0 m)

60°

2.26 Feet

15.20 N - 1695.61 E

315°

I.S.G. Co-ords: 220,161·0E / 564,139·5N; R.L. = 4·0 m

From	To		Description
0	49' 14.9		Rubble and sand
49	54 16.5		Fragmental pyroxene hornfels
54	58' 6" 17.8		Pyroxene hornfels
58' 6"	59' 18		Fragmental pyroxene hornfels
59	66 20.1		Fragmental biotite hornfels, pyroxene hornfels.
66	70 21.3		Biotite hornfels, pyroxene hornfels.
70	79 24.1		Fragmental biotite hornfels, pyroxene hornfels.
79	84 25.6		Biotite hornfels, pyroxene hornfels.
84	92 28.0		Fragmental biotite hornfels, pyroxene hornfels.
[redacted]2	94 28.7		Broken biotite hornfels, calcite stringers.
94	108 32.9		Actinolite hornfels.
108	123 37.5		Broken pyroxene hornfels
123	155 47.2		Banded biotite hornfels, pyroxene hornfels.
155	160 48.8		Pyroxene hornfels
160	160' 6" 48.9		Broken pyroxene hornfels and calcite
160' 6"	172' 52.9		Broken pyroxene hornfels, biotite hornfels.
172	180 54.9		pyroxene hornfels
180	181 55.2		Broken pyroxene hornfels
181	183' 6" 55.9		Diopside hornfels
[redacted]3' 6"	184' 6" 56.2		Broken pyroxene hornfels
184' 6"	217' 66.1		Diopside hornfels
217'	256' 78.0		Quartzite.

B-lens hornfels

mostly Bh

fine garnet

with garnet B lens.

Aplite

SAMPLES

160	to	165	3.30	0.86
165	to	170	0.41	0.24
170	to	175	1.52	
175	to	180	3.12	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 176

Logged By : Beaman Sept '72

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 2505	156 (47.5)	158	2	0.27	0.019		
6	158 (48.1)	160	2	0.05	0.036		
C 0287	160 (48.7)	165	5	2.90	0.56	B	
8	165 (50.3)	170	5	0.28	0.04		
9	170 (51.8)	175	5	1.16	0.06		
90	175 (53.3)	180	5	2.70	0.18		
A 2507	180 (54.9)	182	2	0.07	(0.01		
8	182 (55.5)	184	2	0.07	(0.01		

DIAMOND DRILL HOLE 176

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2505	156 47.5	158	2	0.27	0.019	0.54	
A2506	158 48.1	160	2	0.05	0.036	0.10	B
	160 48.8	165	5	3.30	0.86	16.50	24' at 1.92% WO_3
	165 50.3	170	5	0.41	0.24	2.05	
	170 51.9	175	5	1.52		7.60	
	175 53.3	180	5	3.12		15.60	
A2507	180 54.8	182	2	0.07	(0.01	43.87	24ft (7.32m)
A2508	182 55.5	184 56.1	2	0.07	(0.01		out
							1.7668
							WO_3
							G.P.

Line 8

472 Feet, 143.86

65°

7315 Feet

461S-409E

99639

2/2/1966

I.S.G. Co-ords: 219,756·9 E / 564082·9 N; R.L. 26·7 m

0	4	Sand
4	31	Actinolite hornfels
31	31'9"	Aplite
31'9"	80'	Actinolite hornfels
80'	81'	Aplite
81'	89'	Actinolite hornfels
89'	90'	Calcite
90'	94'6"	Biotite hornfels
94'6"	95'	Pyroxene hornfels, calcite hornfels.
95'	110'	Pyroxene hornfels.
110	111	Biotite hornfels, bands pyroxene hornfels.
[illegible]	126	pyroxene hornfels.
126	128	Calcite hornfels.
128	131	Pyroxene hornfels, bands biotite hornfels
131	139'6"	Pyroxene hornfels.
139'6"	150	Calcite hornfels
[illegible]0	160	Pyroxene hornfels
160	172	Broken Aplite with some band pyroxene hornfels.
172	176	Pyroxene hornfels.
176	177	Calcite hornfels
177	187	Pyroxene hornfels
187	193	Biotite hornfels bands pyroxene hornfels
193	209	Pyroxene hornfels, aplite at 194'6" and 196'.
209	215	Biotite hornfels
215	221'6"	Aplite
221'6"	236'	Pyroxene hornfels bands biotite hornfels
236	236'6"	Aplite
236'6"	262'6"	Actinolite hornfels
[illegible]6"	310	Pyroxene garnet hornfels
310	312	Aplite
312	318'6"	Biotite hornfels, pyroxene hornfels
318'6"	321'	Coarse grained aplite.
321	322	Broken biotite hornfels, calcite stringers
322	349'9"	Aplite
349'9"	356'6"	Pyroxene hornfels
356'6"	396'	Aplite
396'	398'6"	Calcite hornfels, pyroxene hornfels
398'6"	405'	Aplite
405	428	Olivine hornfels
428	430	Pyroxene hornfels
430	434	Calcite hornfels bands pyroxene hornfels.
434	441	Pyroxene hornfels
441	445	Aplite, bands and inclusions slate.
445	450	Diopside hornfels
450	457	Olivine hornfels
457	459	Diopside hornfels, irregular stringers aplite.
459	472	Diopside hornfels.

(Assays Separate File)

DIAMOND DRILL HOLE 175

Logged By:

SAMPLE	FOOTAGES			ASSAY		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	135'	140'	5.0'	0.27			5' at 0.27%
	140'	145'	5.0'	0.03			
	145'	150'	5.0'	0.17			
	150'	155'	5.0'	0.22			
	155'	160'	5.0'	0.08			
	165'	168'	3.0'	1.13			3' at 1.13%
	267'	272'	5.0'	0.48	0.42	2.40	
	272'	277'	5.0'	0.08	0.07	0.40	16' at 0.37%
	277'	283'	6.0'	0.51	0.54	3.06	
	283'	290'	7.0'	0.13	0.10	.91	
	290'	295'	5.0'	0.11	0.08	.55	
	295'	300'	5.0'	0.03	0.04	.15	
	300'	305'	5.0'	0.10	0.07	.50	
4906	305	307	2.0'	0.05	<0.01		
4907	307	310	3.0'	0.04	"		
4908	310	315	5.0	0.04	"		
4909	315	320	5.0	0.04	"		

Reassay Sept 72.

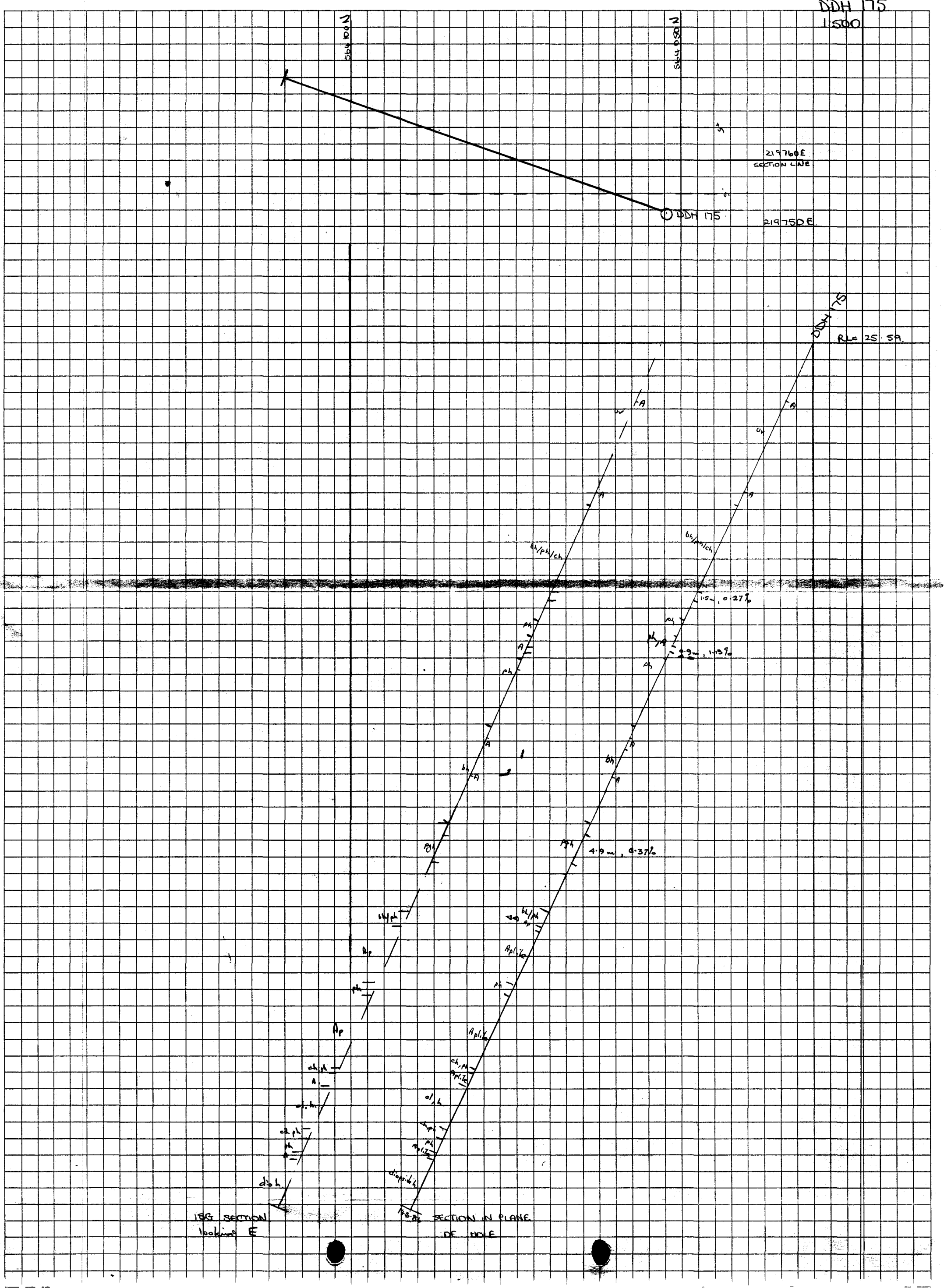
DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 175 (Reassay September, 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1238	267	272	5	0.42	0.41	2.10	
9	272	277	5	0.07		0.35	16' at 0.35% WO_3
40	277	283	6	0.54		3.24	
1	283	290	7	0.10		0.70	
2	290	295	5	0.08		0.40	
3	295	300	5	0.04		0.20	
B 1244	300	305	5	0.07		0.35	

DDH 175
1:500


5644 000N
5644 050N
219760E
SECTION LINE
DDH 175
219750E
DDH 175
RL= 25.59
4.9m, 0.37%
1.5m, 0.27%
4.9m, 1.13%
1SG SECTION
looking E
SECTION IN PLANE
OF HOLE

Line 7

Elevation 711 Feet + 10.81 = 81.04

448 Feet 136.55

71°

0544S-536E = 24.96

I.S.G. Co-ords: 219,786.6 E / 564,922.1 N. R.L. = 25.0m.

0	20	Sand and clay
20	38	Aplite
38	48	Actinolite hornfels
48	54'6"	Aplite
54'6"	68'	Actinolite hornfels
68'	80'	Pyroxene hornfels
80'	93'	Actinolite hornfels
93'	96'	Aplite
96'	193'6"	Actinolite hornfels
93'6"	203'	Aplite
[illegible]	209'6"	Actinolite hornfels
09'6"	212'	Aplite
12'	216'	Actinolite hornfels
16'	217'	Aplite
17'	218'9	Actinolite hornfels
18'	219'6"	Aplite
19'6"	260'	Actinolite hornfels
60'	267'	Soft calcite hornfels
67'	279'6"	Grey calcite hornfels
29'6"	280'6"	Aplite
30'6"	284'	Grey calcite hornfels, some grossularite.
34'	291'	Soft green calcite hornfels, some grossularite.
[illegible]		
91	298	Pyroxene hornfels
98	305	Broken grey calcite hornfels
05	310 96.5	Grey calcite hornfels
10	316'6"	Biotite hornfels
16'6"	321 91.8	Biotite hornfels, pyroxene hornfels.
21	341 103.0 107.8	Pyroxene garnet hornfels.
41	353'6"	Garnet hornfels.
53'6"	354 107.9	Banded pyroxene hornfels, garnet hornfels.
	366 111.5	Garnet hornfels.
	397 121.0	Garnet hornfels, bands pyroxene hornfels.
	407 124.0	Banded pyroxene hornfels, some garnet bands.
	412 125.57	Banded pyroxene hornfels, biotite hornfels
	416	Olivine hornfels
	448 136.55	Irregular banded pyroxene hornfels, biotite hornfels with some garnet hornfels and calcite hornfels.

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 174

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
		103.6						
	-	340.0	345.0	5.0	0.08	-		
		105.1						
	4537	345.0	350.0	5.0	0.04	0.01		
		106.7						
	4538	350.0	355.0	5.0	0.04	< 0.01		
		108.2						
	4539	355.0	358.0	3.0	0.04	< 0.01		
		109.1						
	4540	358.0	360.0	2.0	0.04	< 0.01		
		109.7						
	4541	360.0	365.0	5.0	0.03	< 0.01		
		111.2						
	4542	365.0	367.0	2.0	0.04	< 0.01		
		111.9						
	4543	367.0	369.0	2.0	0.05	< 0.01		
		112.5						
	4544	369.0	371.0	2.0	0.09	< 0.01		
		113.1						
	4545	371.0	374.0	3.0	0.04	< 0.01		
		114.0						
	4546	374.0	376.0	2.0	0.04	< 0.01		
		114.6						
	4547	376.0	381.0	5.0	0.03	< 0.01		
		116.1						
	4548	381.0	385.0	4.0	0.04	< 0.01		
		117.3						
	4549	385.0	387.0	2.0	0.04	< 0.01		
		117.9						
	4550	387.0	389.0	2.0	0.04	< 0.01		
		118.6						
	4801	389.0	395.0	6.0	0.04	< 0.01		
		120.4						
	4802	395.0	400.0	5.0	0.04	< 0.01		
		121.9						
	4803	400.0	403.0	3.0	0.05	< 0.01		
		122.8						
	4804	403.0	405.0	2.0	0.12	< 0.01		
		123.4	124.3					
	4805	405.0	408.0	3.0	0.04	< 0.01		

DDH 174
SDO

5W4 050N.

5W4000N

219 800E
(Section Line)

DDH 174

DDH 174

RL = 24.96.

DDH 174

SECTION IN
PLANE OF HOLE

DIAMOND DRILL CORE LOG SHEET

Location: 3. 61 Feet + 10.81 = 14.42

Final Depth: 323 Feet (98.5 m) Co-ords: 145.61S-1578.72E (4.4m)

Dip: 60° Bearing: 350°

Date Commenced: Date Completed:

I.S.G. Co-ords: 220,118·7 E / 564,096·2 N; R.L. = 4·4 m.

Footage From	Footage To	Length Min	Length Feet	Description	Assay
0	40 12.2			Rubble	
40	82'6" 25.1			Actinolite hornfels	
83'6"	87' 26.5			Pyroxene hornfels	
87'	103' 31.4			Actinolite hornfels	
103'	104' 31.7			Pyroxene hornfels	
104'	115' 35.1			Actinolite hornfels	
115'	123' 37.5			Banded biotite hornfels, pyroxene hornfels.	
123'	152' 46.3			Actinolite hornfels.	
152'	152'4" 46.4			Aplite	
152'4"	159' 48.5			Actinolite hornfels	
[illegible]'	194' 59.1			Pyroxene hornfels 48.5m → 71.6	
[illegible]'	200 61			Pyroxene/garnet hornfels	
200	214 65.2			Pyroxene hornfels	
214	235 71.6			Garnet hornfels	
235	280 85.3			Banded pyroxene hornfels, biotite hornfels	
280	287 87.5			Pyroxene hornfels.	
287	293 89.2			Biotite hofnfels, pyroxene hornfels.	
293	297 90.5			Pyroxene hornfels with pyrite	
297	303 92.4			Actinolite hornfels	
303	308 93.9			Biotite hornfels, pyroxene hornfels	
308	323 98.5			Quartzite.	

B Lens

SAMPLES

194' 59.1 to	200' 61.0	0.64
214' 65.2 to	219'	0.72
219' 66.7 to	224	1.06
224 68.3 to	229	1.13
229 69.8 to	235 71.6	0.88

DIAMOND DRILL HOLE 173

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2509	188 57.3	190	2	0.05	0.019		
A2510	190 57.9	192	2	0.27	(0.01	0.54	2' at 0.54% WO_3
A2511	192 58.5	194	2	0.05	(0.01		
5011	194 59.1	200	6	0.64			6' at 0.64% WO_3
A2512	200 61.0	202	2	0.05	(0.01		
A2513	202 61.6	204	2	0.06	(0.01		
A2514	204 62.1	206	2	0.04	(0.01		
A2515	206 62.8	208	2	0.04	(0.01		
A2516	208 63.4	210	2	0.04	(0.01		
A2517	210 64.0	212	2	0.40	0.010	0.80	
A2518	212 64.6	214	2	0.22	(0.01	0.44	
5012	214 65.2	219	5	0.72		3.60	27' at 0.81% WO_3
3	219 66.7	224	5	1.06		5.30	
4	224 68.3	229	5	1.13		5.65	
5015	229 69.8	235	6	0.88		5.28	
A2519	235 71.6	237	2	0.44	0.010	0.88	
A2520	237 72.2	239 72.8	2	0.09	0.015		

Line 2 + 21

547 Feet 166.72 m

50°

26/10/1965

40 Feet ± [illegible]

4005--1126E 15.48

I.S.G. Co-ords: 219.930 9E / 564.039 5N RL = 15.5m

0	40		Rubble
40	53'6"		Actinolite Hornfels
53'6"	56'		Biotite hornfels
56	64'3"		Actinolite hornfels
64'3"	75'9"	23.09	Aplite
75'9"	105'	ur	Actinolite hornfels
105	106'4"		Soft green Pyroxene hornfels with slickensides.
106'4"	120'		Actinolite hornfels.
120'	123'	37.49	Aplite
123'	179'		Actinolite hornfels
[illegible]	182'	55.47	Aplite
182'	191'		Actinolite hornfels
[illegible]1'	195'	59.44	Pyroxene hornfels
[illegible]5'	227'	69.158	Actinolite hornfels
[illegible]7	231		Biotite hornfels
231	233		Pyroxene hornfels
233	235		Actinolite hornfels
235	236		Pyroxene hornfels
236.72	263	80.2	Grey calcite hornfels.
263	266	bh	pyroxene hornfels.
266	281		Biotite hornfels
281	282		Pyroxene hornfels
282	303'6"	92.50	Actinolite hornfels
303'6"	338'	103.0	Pyroxene garnet hornfels
338	350'	106.7	Garnet hornfels
350	356'6"	108.7	Banded garnet hornfels, pyroxene hornfels.
356'6"	362'6"	110.5	Calcite hornfels
362'6"	364'3"	111	Banded garnet hornfels, pyroxene hornfels.
364'3"	367'	111.86	Calcite hornfels.
367'	412'6"	125.7	Banded garnet hornfels, pyroxene hornfels.
412'6"	417'6"	127.25	Thin bended biotite hornfels, pyroxene hornfels.
[illegible]7'6"	418'	bh	Aplite.
[illegible]8'	421'6"		Thin bedded biotite hornfels, pyroxene hornfels.
421'6"	426'		Aplite.
426'	436'	bh/ph	Banded biotite hornfels, pyroxene hornfels with bands calcite hornfels.
436'	446'6"	ph/ch	Bright pyroxene hornfels, irregular bands calcite hornfels.
446'6"	447'6"	bh	Broken biotite hornfels.
447'6"	457'	ph	Green pyroxene hornfels, bands, patches calcite hornfels.
457	460	bh	Banded biotite hornfels.
460	465'6"	141.88	Calcite hornfels.
465'6"	518'	157.89	Tremolite hornfels.
518'	524'6"	ph	Green pyroxene hornfels, calcite hornfels.
524'6"	528'	bh	Biotite hornfels.
528'	533'		Tremolite hornfels.
533	537'6"		Broken pyroxene hornfels, calcite hornfels.
537'6"	539'		Broken biotite quartz.
539'	539'9"	164.56	Aplite
539'9"	547'	q	Quartzite.
			(Assays Separate File)

DIAMOND DRILL HOLE 172

Logged By:

SAMPLE	FOOTAGES From	To	Length	ASSAY WO	ASSAY MO	L. A.	REMARKS
4866	298' 90.8	303'	5.0'	0.01	<0.01		
4867	303' 92.3	308'	5.0'	0.0	<0.01		
	308' 93.9	318'	10.0'	0.13 0.08		1.30	
	318' 96.9	328'	10.0'	0.43 0.31		4.30	
	328' 99.97	333'	5.0'	2.00 1.95	pgh.	10.00	
	333' 101.5	338'	5.0'	0.75 0.48		3.75	
	338' 103	343'	5.0'	1.14 0.98	✓	5.70	
	343' 104.5	348'	5.0'	0.23 0.17		1.15	90' at
	348' 106.1	353'	5.0'	1.12 0.94		5.60	0.81% WO3
	353' 107.6	358'	5.0'	2.86 2.67		14.30	
	358' 109.1	363'	5.0'	0.19 0.15		0.95	
	363' 110.6	368'	5.0'	0.06 0.08		0.30	
	368' 112.1	373'	5.0'	0.38 0.32		1.90	
	373' 113.7	378'	5.0'	1.52 1.50		7.60	
	378' 115.2	383'	5.0'	0.85 0.75		4.25	
	383' 116.7	388'	5.0'	0.55 0.92		2.75	
	388' 118.2	393'	5.0'	0.68 0.62		3.40	
	393' 119.8	398'	5.0'	0.37 0.33		1.85	
	398' 121.3	403' 122.8	5.0'	0.57 0.44		2.85	
	403' 122.8	408'	5.0'	0.42 0.37		2.10	
	408' 124.3	412' 125.6	4.0'	0.23 0.17		0.92	
	132.9	135.3					
	436'	444'	8.0'	0.20			
	449' 136.8	456' 139.0	7.0'	0.10			

Recovery Sept 72

13.87

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 172 (Reassay Sept 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1219	308	318	10	0.08	~~CHECK ASSAY~~	0.8	
20	318	328	10	0.31		3.1	
1	328	333	5	1.95		9.75	40' at
2	333	338	5	0.48	0.48	2.40	0.98%
3	338	343	5	0.98		4.90	12.2 m 0.98%
4	343	348	5	0.17		0.85	
5	348	353	5	0.94		4.70	
6	353	358	5	2.67		13.35	
7	358	363	5	0.15	0.16	0.75	
8	363	368	5	0.08		0.40	
9	368	373	5	0.32	0.30	1.60	
30	373	378	5	1.50		7.50	12.2m 0.66%
1	378	383	5	0.75	~~0.75~~	3.75	40' at
2	383	388	5	0.92		4.60	0.66% WO3
3	388	393	5	0.62	0.60	3.10	
4	393	398	5	0.33		1.65	
5	398	403	5	0.44	0.43	2.20	
6	403	408	5	0.37		1.85	
B 1237	408	412	4	0.17	0.17	0.68	

DDH 172

1:500

plotted @ 219,960 E

DDH 172

RL= 15.48 m

564 050 N

219 960E (Section Line)

219 950 E

219 980E (Section Line)

564 100 N

564 100 S

DDH 172

Line 2 +21 — Elevation =21 Feet

266 Feet — 81.87 — Co-ords 2165-9395

45°

13/10/65 — Date Comm'd — 25/10/65

I.S.G. Co-ords: 219.922 E / 5[illegible]03.2 N — RL = 3.1 m

0	36		Grey calcite hornfels.
36	40 (12.19)	ch	Soft green calcite hornfels.
40	46 (14.02)		Actinolite hornfels.
46	47 (14.33)	ph	Pyroxene hornfels.
47	59 (17.98)	bh	Biotite hornfels, 75° to a of c.
59	68		Biotite hornfels, pyroxene hornfels, banded mottled.
68	82'6" (25.14)	bh/ph	Biotite hornfels, irregular patches pyroxene hornfels.
82'6"	104'		Actinolite hornfels.
104'	110'	v	Banded actinolite hornfels, 50°.
110	130'6" (39.78)		Actinolite hornfels.
130'6"	165' (50.29)		Pyroxene garnet hornfels, pyrites 130.5' to 132'.
165'	185' (56.38)	gh	Garnet hornfels.
185'	233'6" (71.17)	gh/ph	Banded garnet hornfels, pyroxene hornfels.
233'6"	238'		Banded pyroxene hornfels, biotite hornfels. Broken 235' - 238'.
238'	241'	bh	Pyroxene hornfels, biotite hornfels with bands garnet hornfels.
241	245		Pyroxene hornfels, biotite hornfels
245	251 (76.50)		Pyroxene hornfels, biotite hornfels, bands garnet hornfels.
251	266		Banded pyroxene hornfels, Biotite hornfels.

(Assays Separate File).

C-Rods 165 → 215

65.53

DIAMOND DRILL HOLE 171

Assay Sept 72.

Logged By:

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	E X A	REMARKS
	135' 41.1	145'	10.0'	0.25	0.08	2.50	
	145' 44.2	155'	10.0'	0.10	0.02	1.00	
	155' 47.25	165'	10.0'	0.18	0.06	1.80	
	165' 50.3	170' 51.8	5.0'	1.66	1.49	8.30	
	170'	175' 53.3	5.0'	1.87	1.39	9.35	
	175'	180' 54.9	5.0'	1.54		7.70	
	180'	185' 56.4	5.0'	0.87	0.60	4.35	85' 90' at 0.8% WO_3 45' at 0.68%
	185'	195' 59.4	10.0'	0.90	0.43	9.00	
	195'	205' 62.5	10.0'	1.20	1.02	12.00	
	205'	215' 65.5	10.0'	0.58	0.71	5.80	
	215'	225' 68.6	10.0'	0.56	0.38	5.60	
	225'	235' 71.6	10.0'	0.35	0.23	3.50	
	235'	245' 74.7	10.0'	0.45	0.23	4.50	
	245'	250' 76.2	5.0'	0.68	0.26	3.40	
4864	250' 76.2	255'	5.0	0.01	<0.01		
4865	255' 77.7	260' 79.2	5.0'	0.03	<0.01		

0.18

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 171 (Reassay September, 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3			
C 0254	135	145	10	0.08		0.80	
5	145	155	10	0.02		0.20	
6	155	165	10	0.06		0.60	
C 0257	165	170	5	1.49		7.45	
B 1205	170	180	10	1.39		13.90	6.1 m, 1.22% HW C LENS
C 0258	180	185	5	0.60		3.00	
C 0259	185	195	10	0.43		4.30	60° at 0.82% WO_3
B 1206	195	205	10	1.02		10.20	12.2m, 0.64% F.W C LENS
C 0260	205	215	10	0.71		7.10	
1	215	225	10	0.38		3.80	
2	225	235	10	0.23		2.30	
3	235	245	10	0.23		2.30	
C 0264	245	250	5	0.56		2.80	1.5m 0.56%

DDH 171
1:500

COLLAR +3.11 m

219200E (Section Line)

219800E

219900E

DDH 171.

364100N.

DDH 171

RL = +3.11 m.

ISG SECTION
LOOKING E

ISG SECTION
LOOKING N.

SECTION IN
PLANE OF HOLE

Line 2 + 21 = 2S Elevation 41 Feet + 10.5 = 51.8

407 Feet, 124.05 99890 3105-1030E 15.7

50°

Bearing

DEPTH 124.05 RL TOP 15.79 RL BOTTOM -79.24

DIP FOR 279.920E 33° 49' FROM VERT

FORSHORTENING FACTOR 124 to 114.4 = 0.92

I.S.G. Co-ords: 219,954.7 E | 564,131.2 N ; R.L. = 15.8 m

0	30			Rubble
30	49'6"			Actinolite hornfels.
49'6"	55'6"			Aplite
55'6"	70'			Actinolite hornfels
70'	73'3"			Aplite
73'3"	114'		Uvoles	Actinolite hornfels
14'	120'		bh	Brown biotite hornfels
20'	121'		ph	Pyroxene hornfels and calcite.
21'	122'		bh	Biotite hornfes
22'	140'			Actinolite hornfels
40'	140'6"		bh	Soft brown biotite hornfels
40'6"	162'			Pyroxene hornfels and calcite, some garnet.
62'	167'6"		ch	Calcite hornfels
67'6"	173'6"		ph	Pyroxene hornfels, some garnet.
73'6"	181'		bh	Soft brown biotite hornfels.
81'	187'			Banded biotite hornfels, pyroxene hornfels, some garnet.
187'	209'6"	63.1	bh/ph	Biotite hornfels, irregular bands and patches pyroxene hornfels, 80° to a of c.
09'6"	225'6"	68.7		Actinolite hornfels.
25'6"	258'	78.6	psh	Pyroxene garnet hornfels.
	283	86.3	gh	Garnet hornfels
3'	285'6"	87.0	0.7m	Pyroxene hornfels, some garnet.
85'6"	286'6"	87.3	0.3m	Calcite hornfels, some garnet.
86'6"	291'6"	88.8	1.5m	Pyroxene hornfels, some garnet.
91'6"	293'	89.3	0.5m	Calcite hornfels, some garnet.
93'	301'	91.7	2.4m	Pyroxene hornfels, some garnet.
301'	303'	92.4	0.7m	Calcite hornfels, some garnet.
303'	338'	103.0	0.6m	garnet pyroxene hornfels.
38'	345'	105.3	2.3m	Calcite hornfels, some garnet hornfels bands, biotite hornfels.
345	354	107.9	2.6m	Banded garnet hornfels and biotite hornfels, pyroxene hornfels.
54	358	109.1	1.2m	Banded biotite hornfels, pyroxene hornfels.
58	360	109.7	0.6m	Calcite hornfels.
60	373	113.7	4.0m	Fine banded biotite hornfels, pyroxene hornfels.
73	374'6"	114.1		Aplite
374'6"	380'	115.8		Broken biotite hornfels, pyroxene hornfels.
80'	386'6"	117.8		Green calcite hornfels.

			Description
386'6"	390'	118.9	Broken biotite hornfels, pyroxene hornfels.
390'	407'	124.1	Biotite hornfels.
			(Assays Separate File)

New Assays Sept '72

DIAMOND DRILL HOLE 170

Logged By:

FOOTAGES			ASSAY		L X A	REMARKS
From	To	Length	WO_3	Mo		
141' 43.0	147'	6.0'	0.22			
147' 44.8	152'	5.0'	0.27			
152' 46.3	157'	5.0'	0.09			
157' 47.8	162' 51.2	5.0'	0.12			
162' 49.4	168'	6.0'	0.20			
225' 68.6	235'	10.0'	0.19 .96		1.90	
235' 71.6	240' 73.2	5.0'	1.20 1.11		6.00	
240'	245' 74.7	5.0'	0.46 .32		2.30	
245'	250' 76.2	5.0'	0.42 .65		2.10	
250'	258' 78.6	8.0'	0.17 .07		1.36	
258'	263' 80.2	5.0'	4.05 2.55		20.25	
263'	268' 81.7	5.0'	1.30 0.92		6.50	
268'	273' 83.2	5.0'	1.10 1.12		5.50	
273'	278' 84.7	5.0'	1.18 0.89		5.90	
278'	283' 86.3	5.0'	1.78 1.84		8.90	
283'	288' 87.9	5.0'	0.17 .06		0.85	118' at 0.80% WO_3
288'	293' 89.3	5.0'	0.45 .32		2.25	
293'	298' 90.8	5.0'	0.23 .14		1.15	
298'	303' 92.4	5.0'	0.59 .58		2.95	
303'	308' 93.9	5.0'	0.74 .32		3.70	
308'	313' 95.4	5.0'	0.39 .44		1.95	
313'	318' 96.9	5.0'	0.39 .26		1.95	
318'	323' 98.5	5.0'	1.45 1.46		7.25	
323'	328' 100	5.0'	1.11 1.31		5.55	
328'	333' 101.5	5.0'	0.55 .72		2.75	
333'	338' 103.0	5.0'	0.83 .57		4.15	
338'	343' 104.5	5.0'	0.29 .26		1.45	
343'	348' 106.1	5.0'	0.57 .32		2.85	
348'	353' 107.6	5.0'	0.37 .30		1.85	
353'	358' 109.1	5.0'	0.24 .10 .14		1.20	
366' 111.5	372' 113.4	6.0'	0.48 .41		2.88	13' at 0.46% WO_3
379' 115.5	386' 117.6	7.0'	0.44 .44		3.08	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 170 (Reassays September, 1972)

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
B 1140	225 (230.6)	235	10	0.96		9.60	
1	235	240	5	1.71		8.55	
2	240	245	5	0.32		1.60	
3	245	250	5	0.65		3.25	
4	250	258	8	0.07		0.56	17.7m , 0.99%
5	258 (258.6)	263	5	2.55		12.75	3'
6	263	268	5	0.92		4.60	
7	268	273	5	1.12		5.60	7.7m @ 1.36%
8	273	278	5	0.89		4.45	
9	278	283 (286.3)	5	1.34		6.70	
50	283	288	5	0.06		0.30	
1	288	293	5	0.32		1.60	
2	293	298	5	0.14		0.70	128' at 0.73% WO_3
3	298	303	5	0.58		2.90	
4	303	308	5	0.37		1.85	
5	308	313	5	0.44		2.20	
6	313	318	5	0.26		1.30	
7	318	323	5	1.46		7.30	21.3 m , 0.51
8	323	328	5	1.31		6.55	70'
9	328	333	5	0.72		3.60	
60	333	338	5	0.57		2.85	
1	338	343	5	0.26		1.30	
2	343	348	5	0.32		1.60	
3	348	353	5	0.30		1.50	
4	353	358	5	0.14		0.70	
5	366	372	6	0.41		2.46	
B 1166	379	386	7	0.44		3.08	

DDH170
1:500

Collar 5.79 m

219 920 E (Section Line)

-5

+5

564 100 N

219 900 E

DDH170

RL= 15.79.

DDH170

564 100 N

ISG SECTION LOOKING E

ISG SECTION LOOKING N

SECTION IN PLANE OF HOLE

DIAMOND DRILL CORE LOG SHEET

Section

Elevation 2.27 Feet + 10.81 = 13.08

Final Depth 612 Feet (186.5 m) Co-Ords. 99831.1 168.88S-1850.37E (3.98m)

Dip 60°

Bearing -

Date Commenced

Date Completed

I.S.G. Co-ords: 220,199.5 E / 564,077.2 N ; R.L. = 4.0m

Footage From	Footage To	Length Run	Length Rec.	Description	Log	Int.
0	52 15.9			Rubble		
52	86'3" 26.3			Actinolite hornfels		
86'3"	94'9" 28.9			Spotted actinolite hornfels		
94'9"	103'6" 31.5			Pyroxene hornfels showing original fragmented structure grain size to 1".		
103'6"	107'6" 32.8			Actinolite hornfels		
107'6"	108'6" 33.1			Fragmented Pyroxene Hornfels		
108'6"	111'6" 34			Actinolite hornfels		
111'6"	123'6" 37.6			Fragmented pyroxene hornfels		
123'6"	124'9" 38.0			Soft biotite hornfels		
124'9"	135'6" 41.3			Fragmented pyroxene hornfels		
135'6"	137' 41.8			Soft biotite hornfels		
137'	143'6" 43.7			Fragmented pyroxene hornfels		
[illegible]'6"	144'9" 44.1			Diopside hornfels		
[illegible]'9"	149'9" 45.6			Soft biotite hornfels		
[illegible]'9"	154' 46.9			Mottled biotite hornfels		
154'	160' 48.8			Biotite hornfels, calcite stringers.		
160'	164'6" 50.1			Banded biotite hornfels, pyroxene hornfels		
164'6"	167'6" 51.1			Mottled biotite hornfels.		
167'6"	174' 53.0			Banded biotite hornfels, pyroxene hornfels, calcite stringers.		
174'	188'6" 57.5			Banded biotite hornfels		
188'6"	192' 58.5			Soft granular biotite hornfels		
192'	193'9" 59			Soft biotite hornfels		
193'9"	198'6" 60.5			Diopside hornfels with FeS_3.		
198'6"	199'6" 60.8			Mottled Biotite hornfels, pyroxene hornfels.		
199'6"	215' 65.5			Biotite Olivine hornfels.		
215'	226 68.9			Biotite hornfels		
226	228 69.5			Banded biotite hornfels, pyroxene hornfels		
228	229 69.8			Diopside hornfels		
229	231 70.4			" "		
231	259 78.9			Banded and mottled diopside hornfels		
[illegible]	276 84.1			Mottled irregular and banded pyroxene hornfels. Signs poss. orig. granular structure.	B lens	
276	281 85.6			Pyroxene hornfels fractured in places.		
281	285 86.9			Pyroxene hornfels.		
285	291 88.7			Pyroxene hornfels, some light brown garnet.		
291	301 91.7			Pyroxene hornfels, garnet hornfels		
301	305 93.0			Light greenish diopside hornfels		
305	320 97.5			Pyroxene hornfels, garnet hornfels, light to dark brown garnet.	B lens ?	
320	334'6" 102			actinolite hornfels.		
334'6"	343' 104.5			Garnet hornfels, pyroxene hornfels		
343	365 111.3			Calcite hornfels		
365	377 114.9			Broken biotite hornfels		
377	385 117.3			Biotite hornfels		
385	403 122.8			Broken biotite hornfels	BL	
403	409 124.7			Biotite-actinolite hornfels, broken prior to metamorphism.		
409	412 125.6			Garnet pyroxene hornfels, light brown garnet.	PGH	
412	424 129.2			Garnet pyroxene hornfels, yellowish garnet, pale pyroxene.		
424	447'6" 136.4			Garnet pyroxene hornfels, dark brown garnet, dark pyroxene.		
447'6"	448'9" 136.8			Broken biotite hornfels.		
448'9"	453'6" 138.2			Garnet pyroxene hornfels, dark pyroxene Brown Garnet.		

Footage From	Footage To	Length Run	Length Rec.	Description	Assay
453'6" 138.2	454'6" 138.5			Banded light pyroxene, yellow garnet.	
454'6"	459' 139.9			Garnet pyroxene hornfels, light coloured.	
459'	468' 142.6			Banded actinolite hornfels, pyroxene hornfels 75° to a of c.	
468'	469' 143			Soft pale pyroxene hornfels.	
469'	473' 144.2			Grey bedded limestone, 75°	
473'	474'6" 144.6			" " " Bands to ¼", Pyroxene hornfels and light brown garnet.	Bfb
474'6"	483' 147.2			Grey limestone.	
483'	487'6" 148.6			Pyroxene hornfels, calcite stringers.	
487'6"	488' 148.7			Soft biotite hornfels.	
488	498'3" 151.9			Grey limestone.	
498'3"	498'9" 152.0			Garnet hornfels	
498'9"	500'6" 152.6			Broken actinolite hornfels.	
500'6"	501'6" 152.9			Calcite, some garnet.	
501'6"	502'6" 153.2			Garnet pyroxene hornfels.	
502'6"	503' 153.3			Actinolite hornfels	
503'	525' 160.0			Garnet hornfels	
525'	531' 161.8			Garnet hornfels	
531'	541 164.9			Pyroxene hornfels, bands, garnet hornfels.	
541	547'6" 166.9			Banded biotite hornfels, pyroxene hornfels.	
547'6"	557'6" 169.9			Calcite bands, pyroxene hornfels and grossularite.	
557'6"	561'6" 171.1			Banded biotite hornfels, pyroxene hornfels.	
561'6"	564' 171.9			Calcite bands, pyroxene hornfels.	
564'	567' 172.8			Broken biotite hornfels	
567'	593' 180.7			Olivine hornfels — ov ?	
593'	606' 184.7			Fine bedded biotite hornfels	
606	607 185.0			Aplite	
607	612 186.5			Biotite hornfels.	

SAMPLES

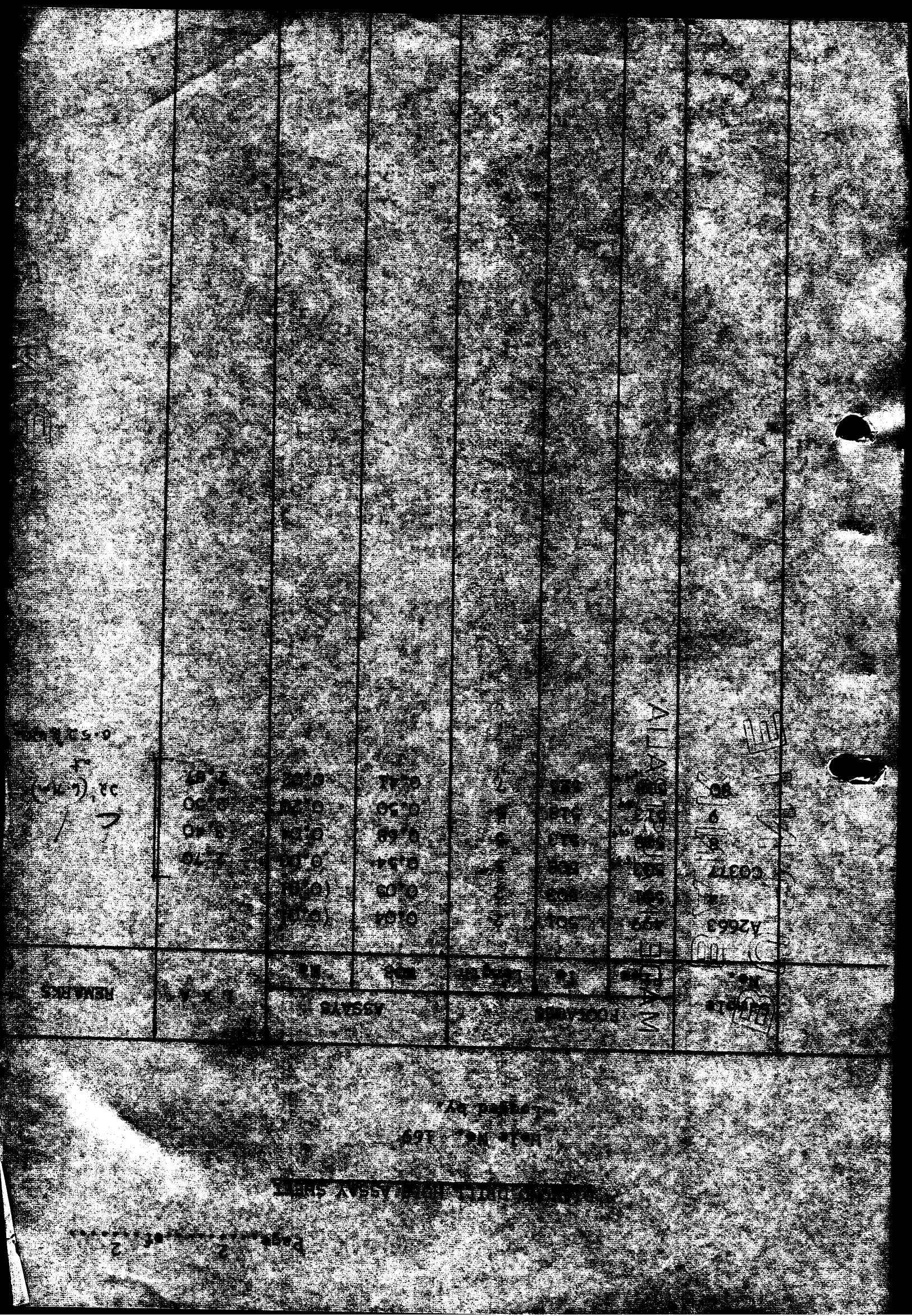
285'	to	295'	0.25
295	to	300	0.30
300	to	305	0.52
305	to	310	0.60
310	to	315	0.53
315	to	320	0.82
335	to	343	1.20
409	to	412	2.23
424	to	429	0.50
429	to	434	0.47
434	to	439	0.37
439	to	444	0.27
444	to	449	0.08
449	to	454	0.50
454	to	459	0.18
503	to	508	0.59
508	to	513	0.75
513	to	518	0.45
518	to	525	0.50

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 169

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 2590	281	283	2	0.05	0.025		
1	283	285	2	0.04	0.021		
C 0362	285 (86.9)	295	5	0.22	0.05		
3	295 (89.9)	300	5	0.27	0.01	1.35	
4	300 (91.4)	305	5	0.41	0.02	2.05	
5	305 (93.0)	310	5	0.48	0.02	2.40	B 25ft (7.62m) at 0.484% WO_3
6	310 (94.5)	315	5	0.54	0.03	2.70	
7	315 (96.0)	320 (97.5)	5	0.72	0.03	3.60	
A 2592	320 (97.5)	322	2	0.06	0.023	12.10	
3	322	324	2	0.07	0.023		
4	324	326	2	0.07	0.015		
5	326	328	2	0.05	(0.01		
6	328	330	2	0.07	0.019		
7	330	332	2	0.06	0.017		
8	332	334	2	0.09	0.010		
A 2599	334 (101.8)	335 (104.5)	1	0.16	0.016		
C 0368	335 (102.1)	343	8	1.14	0.06		
A 2600	343	345	2	0.02	(0.01		
1	345	347	2	0.01	(0.01		
2	405	407	2	0.08	0.031		
3	407	409	2	0.07	0.021		
C 0369	409 (124.7)	412 (125.6)	3	1.92	0.06		
A 2604	412	414	2	0.04	0.033		
5	414	416	2	0.02	0.021		
6	416	418	2	0.05	0.021		
7	418	420	2	0.05	0.021		
8	420 (128)	422	2	0.39	0.019		
9	422	424	2	0.04	(0.01		
C 0370	424 (129.2)	429	5	0.37	0.01	1.85	
1	429 (130.8)	434	5	0.52	0.03	2.60	
2	434 (132.3)	439	5	0.43	0.02	2.15	C 35ft (10.67m) at 0.35% WO_3
3	439 (133.8)	444	5	0.25	0.02	1.25	
4	444 (135.3)	449	5	0.08	0.02	0.40	
5	449 (136.9)	454	5	0.45	0.03	2.25	
6	454 (138.4)	459 (139.9)	5	0.32	0.02	1.60	
						12.10	
A 2662	497	499	2	0.03	(0.01		



DIAMOND DRILL HOLE 169

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2656	525 160.0	527	2	0.07	(0.01		
A2657	527 160.6	529	2	0.03	(0.01		
A2658	529 161.2	531	2	0.03	(0.01		
A2659	531 161.8	533	2	0.06	(0.01		
A2660	533 162.4	535	2	0.07	(0.01		
A2661	535 163.0	537 163.7	2	0.03	(0.01		
NOTE RE-ASSAYS AS FOLLOWS							
A2665	450	452	2	0.87	0.037		
A2666	452	454	2	0.33	(0.01		
A2667	454	456	2	0.26	(0.01		
A2668	456	458	2.0	0.24	0.017		
A2669	458	460	2.0	0.04	(0.01		

DIAMOND DRILL CORE LOG SHEET — Hole No. 168

Location — Elevation 2.35 Feet + 10.81 = 13.16 + 4.0 m.
Final Depth 228 Feet (69.5 m) — Co-Ords. 6.41N-1575.01E
Dip 60° — Bearing 315° 323 MG
Date Commenced — Date Completed

I.S.G. Co-ords: 220,124.3 E / 564,142.2 N; R.L. = 4.0 m

Footage From	Footage To	Length Assay	Length Rec.	Description	W.	Sn
0	37'4" 11.4			Rubble		
37'4"	38'10" 11.8			Garnet hornfels, with scheelite.		
38'10"	40' 12.2			Calcite hornfels		
40'	41' 12.5			Biotite hornfels		
41'	59'6" 18.1			Spotted biotite hornfels		
59'6"	71'6" 21.8			Biotite hornfels with pyroxene bands bedding 45° to a of c.		
71'6"	75' 22.9			Diopside Hornfels		
75'	87'6" 26.7			Biotite hornfels		
87'6"	89' 27.1			Actinolite hornfels		
[redacted]	89'2" 27.2			Narrow bands of garnet hornfels, pyrites and calcite at about 10° to a of c.		
89'2"	93' 28.3			Biotite hornfels.		
93'	94'6" 28.8			Calcite actinolite hornfels.		
94'6"	109'6" 33.4			Biotite hornfels, bedding 45° to a of c.		
109'6"	112'6" 34.3			Biotite hornfels with narrow seams of garnet and calcite from ½-2" thick, 30° to a of c.		
112'6"	138' 42.1			Biotite hornfels, banded (fine bedded) 73° to a of c. Bedding disturbed in places before metamorphism.		
138'	144' 43.9			Biotite hornfels,		
144'	161' 49.1			Biotite hornfels, pyroxene hornfels 75° to a of c.		
[redacted]	167' 50.9			Soft broken biotite hornfels, slickensides 30° - 50° to a of c.		
167'	179'6" 54.7			Fine bedded biotite hornfels.		
179'6"	180'3" 54.9			Diopside hornfels.		
180'3"	187' 57			Biotite hornfels, irregular calcite stringers.		
187'	195'6" 59.6			Light grey quartzite with MoS and FeS_2 in places. 35° to a of c.		
195'6"	196'9" 60			Brownish quartzite with FeS_2.		
196'9"	228' 69.5			Grey Quartzite with scattered Molybdenite.		

(~~No Samples Taken~~)

4 assays taken but all < 0.08% WO_3. (see assay file).

DIAMOND DRILL HOLE ASSAY SHEET

Hole No. 169
Logged by.

Sample No.	FOOTAGES From	To	Length	ASSAYS WO3	Mo	L X A	REMARKS
A2663	499	501	2	0.04	(0.01		
4	501	503	2	0.05	(0.01		
C0377	503 (1533)	508	5	0.54	0.03	2.70	
8	508 (1548)	513	5	0.68	0.04	3.40	C /
9	513 (1564)	518	5	0.50	0.20	2.50	22' (6.71m) at 0.52% WO_3
80	518 (1579)	525	7	0.41	0.02	2.87	

DIAMOND DRILL HOLE 169

Logged By_____

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2656	525 160.0	527	2	0.07	(0.01		
A2657	527 160.6	529	2	0.03	(0.01		
A2658	529 161.2	531	2	0.03	(0.01		
A2659	531 161.8	533	2	0.06	(0.01		
A2660	533 162.4	535	2	0.07	(0.01		
A2661	535 163.0	537 163.9	2	0.03	(0.01		
NOTE RE-ASSAYS AS FOLLOWS							
A2665	450	452	2	0.87	0.037		
A2666	452	454	2	0.33	(0.01		
A2667	454	456	2	0.26	(0.01		
A2668	456	458	2.0	0.24	0.017		
A2669	458	460	2.0	0.04	(0.01		

2.35 Feet + 10.81 = 13.16

228 Feet (69.5m) 6.41N-1575.01E + 4.0m

60° 315°

I.S.G. Co-ords: 220,124·3 E / 564,142·2 N; R.L. = 4·0m

0	37'4" 11.4	Rubble
37'4"	38'10" 11.8	Garnet hornfels, with scheelite.
38'10"	40' 12.2	Calcite hornfels
40'	41' 12.5	Biotite hornfels
41'	59'6" 18.1	Spotted biotite hornfels
59'6"	71'6" 21.8	Biotite hornfels with pyroxene bands bedding 45° to a of c.
71'6"	75' 22.9	Diopside Hornfels
75'	87'6" 26.7	Biotite hornfels
87'6"	89'2" 27.1	Actinolite hornfels
[redacted]	89'2" 27.2	Narrow bands of garnet hornfels, pyrites and calcite at about 10° to a of c.
89'2"	93' 28.3	Biotite hornfels.
93'	94'6" 28.5	Calcite actinolite hornfels.
94'6"	109'6" 33.4	Biotite hornfels, bedding 45° to a of c.
109'6"	112'6" 34.3	Biotite hornfels with narrow seams of garnet and calcite from ½-2" thick, 30° to a of c.
112'6"	138' 42.1	Biotite hornfels, banded (fine bedded) 73° to a of c. Bedding disturbed in places before metamorphism.
138'	144' 43.9	Biotite hornfels,
144'	161' 49.1	Biotite hornfels, pyroxene hornfels 75° to a of c.
[redacted]	167' 50.9	Soft broken biotite hornfels, slickensides 30° - 50° to a of c.
167'	179'6" 54.7	Fine bedded biotite hornfels.
179'6"	180'3" 54.9	Diopside hornfels.
180'3"	187' 57	Biotite hornfels, irregular calcite stringers.
187'	195'6" 59.6	Light grey quartzite with MoS and FeS_2 in places. 35° to a of c.
195'6"	196'9" 60	Brownish quartzite with FeS_2.
196'9"	228' 69.5	Grey Quartzite with scattered Molybdenite.

(~~No Samples Taken~~)

4 assays taken but all < 0.08% WO_3 (see assay file).

DIAMOND DRILL HOLE 168

Page No._____

Logged By_____

SAMPLE	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A2610	37 ~~11.2~~	38	1	0.03	(0.01		
A2611	38 ~~11.6~~	39	1	0.03	(0.01		
168/1	152 ~~46.3~~	156.5	4.5	0.08	0.09		
168/2	156.5 ~~47.7~~	169.75	13.25	0.07	0.08		

D.D.H. 167 (Checked)

Line 3 442.4S
1045.5E
R.L. + 32.66

Az N45°W Dip 69°

To	Description
23	Sand & boulders B.A.H.
39.6	B.A.H.
67.9	Aplite
109.0	B.A.H.
110.2	B.A.H. & fragments aplite
115.1	B.A.H. with calcite stringers
116.4	Aplite
117.8	A.h.
118.8	Aplite
123.2	A.H. and B.H.
125.7	Aplite
140.5	B.H.-Ah-P.H. in alternating bands
141.3	Aplite
59-6 195.5	B.A.H. and Bh. Aplite 163.7-163.9
71-4 234.3	B.A.H. core very broken. Calcite 209-211.9. Possible zone of Faulting Heads 29[illegible]
240.0	Mainly B.H.
272'	Mottled B.H. Specimen at 262' Specimen at 278'
280	A.H.
290.5	B.A.H. 65° to core
295	A.H.
295.4	Aplite
300.7	B.A.H.
301.4	Aplite
308.4	Mainly b.h. 51° to core
313.5	P.G.H.
317	G.H. + $CaWO_3$
318.6	Aplite
345'	G.H. + G.P.H. $CaWO_3$ fairly abundant to 337.5'
354	Banded B.H. 67° to core
360	B.H.-P.H. thinly banded
361	P.H. with some garnet
382.1	B.H.-P.H. thinly banded 82°

Assays

From	To	WO_3%
308	313.5	0.06
313.5	317	0.53
317	318.5	Aplite
318.5	324.5	1.56
324.5	330	0.44
330	335	0.21
335	340	0.10
340	345	0.05
Average		
313.5-335		
21.5' @ 0.68		
B.H.		
Act.H.		

Dip of Hole

47'	69°
100'	69°
199'	70°
300'	71°
376'	70°

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 167

cation No. 1 Orebody - Line 3 Elevation 32.66 Feet

nal Depth 382.1 Feet 116.46 Co-Ords. 99557.6 442.4S, 1045.5E 13.25

p 69° Bearing 3.5°

te Commenced - Date Completed -

I.S.G. Co-ords: 219,944·7E / 564,030·2N ; R.L. = 13·2m

Footage		Length		Description	Assay	
om	To	Run	Rec.		WO_3	Mo
	23'	23'		Sand - with boulders of Biotite rock.		
3'	39.6'	16.6'		Biotite-actinolite Hornfels		
9.6'	67.9'	28.3'		Aplite		
7.9'	109'	41.1'		Biotite-actinolite Hornfels		
09'	110.2'	1.2'		Biotite-actinolite Hornfels with fragments of aplite.		
10.2'	115.1'	4.9'		Biotite-actinolite Hornfels		
15.1'	116.4'	1.3'		Aplite		
16.[redacted]	117.8'	1.4'		Actinolite Hornfels		
7.8'	118.8'	1'		Aplite		
18.8'	123.2'	4.4'		Actinolite/Biotite Hornfels		
23.2'	125.7'	2.5'		Aplite		
25.7'	140.5'	14.8'		Biotite-actinolite-pyroxene Hornfels in alternating bands.		
40.5'	141.3'	0.8'		Aplite		
41.3'	195.5'	54.2'		Biotite/Biotite-actinolite Hornfels Aplite from 163.7' to 163.9'.		
95.5'	234.3'	38.8'		Biotite-actinolite Hornfels - core very broken. Calcite 209' to 211.9'.		
34.3'	240'	5.8'		Biotite Hornfels		
40'	280'	40'		Actinolite Hornfels		
80'	290.5'	10.5'		Biotite-actinolite Hornfels		
[redacted]	295'	4.5'		Actinolite Hornfels		
95'	295.4'	0.4'		Aplite		
95.4'	300.7'	5.3'		Biotite-actinolite Hornfels		
00.7'	301.4'	0.7'		Aplite		
01.4	308.4'	7.0'		Biotite Hornfels		
08.4'	313'	4.6'	pgh	Pyroxene-garnet Hornfels		
13'	317'	4'	gh	Garnet Hornfels		
				SAMPLED		
				308' to 313.5' 5.5'	0.06	
				313.5' to 317' 4.5'	0.53	
				317' to 318.5' 1.5'	-	
17'	318.6'	1.6'		Aplite		
18.6'	345'	26.4'	gph	Garnet/Garnet-pyroxene Hornfels		
				SAMPLED		
				318.5' to 324.5' 6'	1.56	
				324.5' to 330' 5.5'	0.44	
				330' to 335' 5'	0.21	
				335' to 340' 5'	0.10	
				340' to 345' 5'	0.05	
45'	354'	9'	bh	Biotite Hornfels - banded at 67°		

...KO LIMITED

...AMOND DRILL CORE LOG SHEET

Hole No. 167

Footage		Length		Description	Assay	
rom	To	Run	Rec.		WO_3	Mo
354'	360'	6'		Biotite/Pyroxene Hornfels - thinly banded.		
360'	361'	1'	6½ph	Pyroxene Hornfels - with some garnet.		
361'	382.1'	21.1'		Biotite/Pyroxene Hornfels.		
		HOLE	COMPLETED AT 382.1 FEET			

Survey

47'	69°	0
100'	69°	150
199'	70°	250
300'	71°	339
376'	70°	382

CORE LOSS WITH VERY MINOR SHEARING 302'3 - 302'0

SWAN FAULT

CORE LOSS 306 - 308'4

T Potter NOV '79

167

47'	69°
100'	69°
199'	70°
300'	71°
376'	70°

DIAMOND DRILL HOLE 167

Logged By:

FOOTAGES			ASSAY			
From	To	Length	WO_3	Mo		
308.0'	313.5'	5.5'	0.06		0.30	
313.5'	317.0'	3.5'	0.53		1.85	107m 0.53
317.0'	318.3'	1.3'	Split			
318.5'	324.3'	6.0'	1.56		9.36	11.5' at 1.02% WO_3
324.5'	330.0'	5.5'	0.44		2.42	
330.0'	335.0'	5.0'	0.21		1.05	
335.0'	340.0'	5.0'	0.10		0.50	
340.0'	345.0'	5.0'	<0.05			

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **167** **(Reassay September, 1972)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	%		
B 1438	318	322	4	1.82			
39	322	326	4	0.22			12' at 0.91% WO_3
B 1440	326	330	4	0.70			3.7 , 0.91%

DDH 167
1:500

219 950 E.

564 050 N.

219 900 E

219 920 E
(Section Line)

DDH 167.

21°

DDH 167.

RL = 13 25 3

564 050 N

17°

13°

21°

ISG
SECTION, LOOKING E

ISG SECTION
LOOKING N

SECTION IN
PLANE OF HOLE

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 166

[illegible]ion No. 1 Orebody - Line 3 — Elevation 8.4 Feet

[illegible] Depth 294.0 Feet 89.61 — Co-Ords. 99709.8 290.25S, 892.4E = 5.86

85° — Bearing 315°

[illegible]te Commenced 22/8/57 — Date Completed 30/8/57

I.S.G. Co-ords: 219,905.3E / 564,082.9 N; R.L. = 5.9m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
	26.3'	26.3'		Biotite-actinolite Hornfels		
6.3'	26.6'	3.3'		Aplite		
6.6'	28.5'	2.9'		Biotite Hornfels		
3.5'	29.9'	1.4'		Aplite		
9.9'	32.0'	2.1'		Biotite Hornfels		
2'	48'	16'		Biotite-actinolite Hornfels - with stringers of calcite.		
3'	65'	17'		Actinolite Hornfels - with some calcite		
				SAMPLED		
				61' - 66' 5'	0.08	
5'	86.3'	21.3'		Calcite Hornfels		
6.3'	99.3'	13'		Biotite-actinolite Hornfels		
9.3'	121'	21.7'		Biotite Hornfels		
1'	144.5'	23.5'		Biotite-actinolite Hornfels		
4.5'	187.5'	43'		Pyroxene-garnet Hornfels		
				SAMPLED		
				145' - 150'	0.30	
				150' - 155'	0.06	
				155' - 161'	0.05	
				161' - 168'	0.05	
				168' - 174'	0.20	
				174' - 181'	0.05	
				181' - 187'	0.05	
87.5'	207'	19.5'		Garnet Hornfels		
				SAMPLED		
				187' - 192' 5'	2.53	
				192' - 197' 5'	1.05	
				197' - 202' 5'	1.15	
				202' - 207' 5'	2.79	
07'	216.5'	9.5'		Garnet-pyroxene Hornfels with calcite.		
				SAMPLED		
				207' - 212' 5'	0.81	
16.5'	218'	1.5'		Calcite Hornfels		
18'	258'	40'		Garnet Pyroxene Hornfels		
				SAMPLED		
				212' - 220.5' 8.5'	0.32	
				220.5' - 226' 5.5'	0.29	
				226' - 231' 5'	0.84	
				231' - 236' 5'	0.54	
				236' - 241' 5'	0.51	
				241' - 246' 5'	0.15	
				246' - 251' 5'	0.77	
				251' - 256' 5'	0.43	
58'	264'	6'		Pyroxene Garnet Hornfels		
				SAMPLED		
				256' - 263' 7'	0.05	
64'	294'	30'		Biotite Hornfels - with pyroxene bands at 63°.		
			HOLE	COMPLETED AT 294 FEET		

DIAMOND DRILL HOLE 166

Logged by:

GEOLOGY			ASSAY			
From	To	Length	WO_3	Mo		
61'	66'	5.0'	0.08		0.40	
145'	150'	5.0'	0.30		1.50	
150'	155'	5.0'	0.06		0.30	
155'	161'	6.0'	<0.05		-	
161'	168'	7.0'	<0.05		-	
168'	174'	6.0'	0.20		1.20	
174'	181'	7.0'	<0.05		-	
181'	187'	6.0'	<0.05		-	
187'	192'	5.0'	2.53		12.65	69' at 1.06% WO_3
192'	197'	5.0'	1.05		5.25	
197'	202'	5.0'	1.15		5.75	
202'	207'	5.0'	2.79		13.95	
207'	212'	5.0'	0.81		4.05	
212'	220.5'	8.5'	0.32		2.72	
220.5'	226'	5.5'	2.29		12.59	
226'	231'	5.0'	0.84		4.20	
231'	236'	5.0'	0.54		2.70	
236'	241'	5.0'	0.51		2.55	
241'	246'	5.0'	0.15		0.75	
246'	251'	5.0'	0.77		3.85	
251'	256'	5.0'	0.43		2.15	
256'	263'	7.0'	<0.05		-	

166 100' 85°
192' 86°
200' 87°

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **166 (Reassay September, 1972)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1420	186	190	4	0.90			
1	190	194	4	2.18			
2	194	198	4	1.18			
3	198	202	4	1.32			
4	202	206	4	2.63			
5	206	210	4	0.93			
6	210	214	4	0.44			
7	214	218	4	0.70	0.68		
8	218	222	4	0.92			68' at 0.98% WO_3
9	222	226	4	2.17			20.7 at 0.98%
30	226	230	4	0.74			
1	230	234	4	0.51			
2	234	238	4	0.54			
3	238	242	4	0.25			
4	242	246	4	0.13			
5	246	250	4	0.61			
6	250	254	4	0.52			
B 1437	254	258	4	0.14	0.15		

DDH 166
1:500

100

219 920
(Section Line)

DDH 166.

219900 E

DDH 166

RL = 5.86.

bh
m
A

ch

bh

gh

ch

gph

bfb

pgh

ISG SECTION
LOOKING E.

bh

ch

bh

pgh

gh

ch

gph

bfb

89.61 m

SECTION IN PLANE
OF HOLE.

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 165

Location No. 1 Orebody

Elevation ~~OOT~~ 3.21' +10.81 = 42m

Final Depth 213.7 Feet

Co-Ords. 99913.2 86.8S, 1457.0E

Dip Vertical

Bearing -

Date Commenced -

Date Completed 22/8/57

I.S.G. Co-ords: 220,084.5 E / 564,119.3 N; R.L. = 4.3m.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	17'	17'		No Core		
17'	18'	1'		Garnet Hornfels		
18'	30'	12'		Actinolite/Biotite-actinolite Hornfels		
30'	51.5'	21.5'		Biotite-actinolite Hornfels		
51.5'	52.2'	0.7'		Aplite		
52.2'	56'	3.8'		Biotite-garnet Hornfels		
56'	70.3'	14.3'		Mottled Biotite Hornfels		
70.3'	77.9'	7.6'		Biotite-actinolite Hornfels - with some Pyroxene Hornfels.		
[redacted]9'	87'	9.1'		Biotite Hornfels		
87'	94.3'	7.3'		Biotite Hornfels - banded rock.		
94.3'	98'	3.7'		Olivine Hornfels - slicken sided		
				96.8' to 97'		
98'	100'	2'		Pyroxene Hornfels SAMPLED 98' to 103' 5'	0.20	
100'	119.2'	19.2'		Pyroxene Hornfels - with garnet and calcite. 103' to 105' 2' 105' to 110' 5' 110' to 115' 5' 115' to 117' 2' 117' to 127' 10'	2.60 4.01 0.32 9.00 0.05	
[redacted]2'	120'	0.8'		Biotite Hornfels - coarse scheelite from 100' to 120'.		
120'	137.5'	17.5'		Calcite Hornfels SAMPLED 127' to 137' 10'	0.07	
137.5'	141.6'	4.1'		Calcite Hornfels = occasional patches of scheelite. SAMPLED 137' to 142' 5'	0.36	
141.6'	157'	15.4'		Mainly Biotite Hornfels - with some calcite veins with quartz and pyrite. SAMPLED 142' to 152' 10' 152' to 157' 5'	0.05 0.44	
157'	174'	17'		Biotite Hornfels		
174'	179.5'	5.5'		Calcite Hornfels		
179.5'	189.8'	10.3'		Biotite Hornfels		
189.8'	213.7'	23.9'		Actinolite Hornfels		
				HOLE COMPLETED AT 213.7 FEET		
				Survey 100' 89° 200' 88°		

DIAMOND DRILL HOLE 165

Logged By_____

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2651	94 28.6	96	2.0	0.07	0.012		
A2652	96 29.3	98	2.0	0.06	0.012		
1	98 29.9	103	5.0	0.20		1.00	
2	103 31.4	105	2.0	2.60		5.20	14' at
3	105 32.0	110	5.0	4.01		20.05	3.27% WO_3
4	110 33.5	115	5	0.32		1.60	
5	115 35.0	117 35.6	2	9.0		18.00	
6	117 35.7	127	10	0.05		0.50	
7	127 38.7	137	10	0.07		0.70	
8	137 41.8	142 43.3	5	0.36		1.80	5' at 0.36% WO_3
9	142 43.3	152	10	0.05		0.50	
10	152 46.3	157 47.8	5	0.44		2.20	5' at 0.44% WO_3
A2653	157 47.8	159	2	0.07	0.017		
A2654	159 48.5	161	2	0.06	0.016		
A2655	161 49.1	163 49.7	2	0.05	0.010		

165

100'

200'

82½°

88°

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No 164

[redacted]ation No. 1 Orebody - Line 6 — Elevation 41.0 Feet + 10.58 = 51.58

inal Depth 405 Feet 123.44 — Co-Ords. 437.9956 S, 701.9E 15.79

)ip 85° — Bearing 010°

)ate Commenced - — Date Completed -

I.S.G. Co-ords: 219,841.3E / 564,047.0N ; R.L. = 15.8m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	11.5'	11.5'		Sand and boulders		
11.5'	18'	0.5'		Actinolite Hornfels		
18'	23'	5'		Aplite		
23' (7.0)	34.3' (10.5)	11.3'		Biotite-actinolite Hornfels		
34.3'	35' (10.7)	0.7'		Aplite		
35'	152.5' (46.5)	117.5'		Biotite-actinolite Hornfels - some calcite at 75.5' to 78.5'. Core broken 80.8' to 82.0' Mottled 90' to 152.5'.		
152.5'	155.4' (47.4)	2.9'		Aplite		
155.4'	181.7' (55.3)	16.3'		Biotite-actinolite Hornfels - mottled due to patches of bioitite.		
181.7'	183.1' (55.8)	1.4'		Aplite.		
83.1'	205' (62.5)	21.9'		Biotite-actinolite Hornfels - mottled due to biotite patches.		
05'	220' (67.0)	15'		Pyroxene Hornfels - with biotite bands. Slickensided from 205.6' to 205.6'. Some scheelite. SAMPLED		
				205' to 210' 5'		0.15
				210' to 215' 5'		0.14
				215' to 220' 5'		0.13
20'	231' (70.4)	11'		Biotite Hornfels SAMPLED		
				220' to 225' 5'		0.05
				225' to 230' 5'		0.05
31'	265' (80.8)	34'		Biotite-actinolite Hornfels - mottled in places showing banding at 241' to 258'.		
65'	268' (81.68)	3'		Pyroxene Hornfels - with bands of Biotite and Calcite.		
68'	305' (92.90)	27'		Pyroxene-garnet Hornfels - Scheelite in small patches. SAMPLED		
				230' to 235' 5'		0.05
				235' to 240' 5'		0.05
				265' to 270' 5'		
				270' to 275' 5'		
				275' to 280' 5'		
				280' to 285' 5'		
				285' to 290' 5'		
				290' to 295' 5'		
				295' to 300' 5'		
				300' to 305' 5'		
05'	314' (95.7)	9'		Biotite Hornfels		
14'	319.7' (97.4)	5.7'		Pyroxene Hornfels - traces of very coarse scheelite.		
19.7'	338' (103.0)	18.3'		Biotite Hornfels - with bands of pyroxene and some garnet - traces of scheelite.		

EKO LIMITED

AMOND DRILL CORE LOG SHEET

Page No. 2

Hole No. 164

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
				SAMPLED		
				305' to 310' 5'	0.05	
				310' to 317.7' 7.7'	0.05	
				317.7' to 319' 2.3'	7.20	
				319' to 325' 6'	0.38	
				325' to 330'	0.05	
				330' to 335'	0.06	
				335' to 340'	0.05	
338' (103.0)	349.4' (106.5)	11.4'		Biotite Hornfels		
349.4'	360' (109.7)	10.6'		Biotite Pyroxene Hornfels - with bands of garnet and calcite. Fine scheelite in the garnet bands.		
				SAMPLED		
				340' to 345' 5'	0.05	
				345' to 350' 5'	0.08	
				350' to 365' 5'	0.29	
				355' to 360' 5'	0.09	
360'	384.7' (117.3)	24.7'		Biotite/Pyroxene Hornfels- with some garnet and fine scheelite.		
				SAMPLED		
				360' to 365' 5'	0.17	
				365' to 370' 5'	0.13	
				370' to 375' 5'	0.11	
				375' to 380' 5'	0.05	
				380' to 385' 5'	0.07	
384.7'	391.6' (119.4)	6.9'		Biotite Quartzite		
				SAMPLED		
				385' to 396' 5'	0.05	
391.6'	405' (123.4)	13.4'		Biotite/Pyroxene Hornfels - with some scheelite.		
				SAMPLED		
				390' to 395' 5'	0.05	
				395' to 400' 5'	0.07	
				400' to 405' 5'	0.31	
				HOLE COMPLETED AT 405 FEET		
				Survey		
				23' 85°		
				100' 85°		
				200' 84.5°		
				300' 84°		
				400' 84°		

164

23' 85°

100' 85°

200' 84°

300' 84°

400' 84°

DIAMOND DRILL HOLE 164

Logged By:

SAMPLE	FOOTAGES			ASSAY		I X A	REMARKS
	From	To	Length	WO_3	Mo		
	205' 62.5	210'	5.0'	0.15		0.75	
	210' 64.0	215'	5.0'	0.14		0.70	
	215' 65.5	220'	5.0'	0.13		0.65	
	220' 67.1	225'	5.0'	<0.05		-	
	225' 68.6	230'	5.0'	<0.05		-	
	230' 70.1	235'	5.0'	<0.05		-	
	235' 71.6	240' 73.1	5.0'	<0.05		-	
	265' 80.8	270'	5.0'	<0.05		-	
	270' 82.3	275'	5.0'	0.08		0.40	
	275' [illegible]	280'	5.0'	0.13		0.65	
	280' [illegible]	285'	5.0'	0.06		0.30	
	285' [illegible]	290'	5.0'	0.06		0.30	
	290' [illegible]	295'	5.0'	0.32		1.60	5' at 0.32% WO_3
	295' [illegible]	300'	5.0'	0.06		0.30	
	300' [illegible]	305'	5.0'	<0.05		-	
	305' [illegible]	310'	5.0'	<0.05		-	
	310' [illegible]	317.7'	7.7'	0.05		0.38	
	317.7'	319'	1.3'	7.20		9.36	2.2m 7.3' at 1.59% WO_3
	319' [illegible]	325'	6.0'	0.38		2.28	
	325' [illegible]	330'	5.0'	0.05		0.25	
	330' [illegible]	335'	5.0'	0.06		0.30	
	335' [illegible]	340'	5.0'	<0.05		-	
	340' [illegible]	345'	5.0'	<0.05		-	
	345' [illegible]	350'	5.0'	0.08		0.40	
	350' [illegible]	355'	5.0'	0.29		1.45	5' at 0.299% WO_3
	355' [illegible]	360'	5.0'	0.09		0.45	
	360' [illegible]	365'	5.0'	0.17		0.85	
	365' [illegible]	370'	5.0'	0.13		0.66	
	370' [illegible]	375'	5.0'	0.11		0.55	
	375' [illegible]	380'	5.0'	<0.05		-	
	380' [illegible]	385'	5.0'	0.07		0.35	
	385' [illegible]	390'	5.0'	<0.05		-	
	390' [illegible]	395'	5.0'	<0.05		-	
	395' [illegible]	400' 123.4	5.0'	0.07		0.35	
	400' [illegible]	405'	5.0'	0.31		1.55	0.31%

DDH 164.

1:500

564100N

564050N

219 850 E

219 800E
(SECTION LINE)

DDH 164

RL= 15.49m

SURVEYED

5°

4.5°

4°

bh

ph/bh

ph

pgh

bph

1.5m, 0.32%

2.2m, 1.59%

Survey plot

Design plot.

123.44m

ISG SECTION

SECTION IN

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 163

ation No. 1 Orebody - Line 6 Elevation

nal Depth 15.8' Co-Ords.

p Vertical Bearing

te Commenced Date Completed

Footage		Length		Description	Assay	
rom	To	Run	Rec.		WO_3	Mo
0	15.8'	15.8'		Actinolite Hornfels - boulders		
				HOLE ABANDONED AT 15.8 FEET		
				Ran Off 2°		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 162

cation No. 1 Orebody - Line 1 — Elevation 5,9' + 10.91 = 1...7'

nal Depth 505.8' / 154.17 — Co-Ords. 99796 2045, 1051E / 5.09

p Vertical — Bearing -

te Commenced - — Date Completed -

I.S.G. Co-ords: 219,956·9 E / 564,101·9 N ; R.L. = 5·1 m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
	26' 7.92	26'		Actinolite Hornfels		
5'	42.7' 13.01	16.7'		Biotite-actinolite/Biotite Hornfels		
2.7'	44'	1.3'		Biotite-actinolite Hornfels		
4'	65' 19.81	21'		Biotite Hornfels with bands of pyroxene at 43° to core axis.		
5'	93' 28.34	28'	44' -	45'4" broken ground & core loss (4") TEAL / N°2 FAULT. Pyroxene Hornfels and pyroxene-garnet hornfels. Scheelite from 65.5' to 92'		
				SAMPLED		
				68' to 74' 6'	0.12	
				74' to 78' 4'	3.00	
				78' to 84' 6'	0.20	
				84' to 89' 5'	0.53	
				89' to 94' 5'	0.42	
3'	128' 39.01	35'		Actinolite/Biotite-actinolite Hornfels		
28'	149.5' 45.56	21.5'		Calcite Hornfels - broken and banded with some scheelite from 128.8' to 129.4' 135°, 150-153° moderate Sw H. TP Jan'80		
49.5'	194'	44.5'		Biotite-actinolite Hornfels - core is broken 151' to 160'. Banded biotite actinolite 163' to 194'. Banding 35° to 40°.		
94'	205' 62.48	11'		Biotite/Pyroxene Hornfels - alternate bands at 50° with pyrite.		
5'	248.5' 75.74	43.5'		Pyroxene-garnet Hornfels - with scheelite throughout.		
				SAMPLED		
				205' to 210' 5'	0.55	
				210' to 215' 5'	0.77	
				215' to 220' 5'	5.30	
				220' to 225' 5'	0.24	
				225' to 230' 5'	0.60	
				230' to 235' 5'	0.20	
				235' to 240' 5'	0.62	
		12.6		240' to 245' 5'	0.06	
48.5'	251.1'	~~12.6'~~		Garnet Hornfels:- highly broken.		
				SAMPLED		
				245' to 253' 8'	0.09	
1.1'	256.8' 78.27	5.7'		Garnet Hornfels:- abundant pyrite and scheelite.		
				SAMPLED		
				253' to 256' 3'	0.67	
6.8'	261.0' 79.6	4.2'		Biotite Hornfels - no scheelite.		
				SAMPLED		
				256' to 260' 4'	0.05	
61'	263.5' 80.31	2.5'		Calcite Hornfels - core broken from 260' to 263.5'. Traces of scheelite.		
				SAMPLED		
				260' to 264' 4'	0.12	
3.5'	306.3' 93.36			Garnet Hornfels - bands of pyroxene and biotite hornfels. Scheelite to 304'.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. [redacted]02.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
				SAMPLED		
				264' to 270' 6'	0.22	
				270' to 275' 5'	0.35	
				275' to 280' 5'	0.63	
				280' to 285' 5'	0.71	
				285' to 290' 5'	0.98	
				290' to 296' 6'	0.37	
				296' to 302' 6'	1.10	
				302' to 306' 4'	0.10	
306.3'	333.6'	27.3'		Biotite/Pyroxene Hornfels - thinly bedded.		
				SAMPLED		
				306' to 314' 8'	0.41	
33[redacted]'	337.9'	1.3'		Aplite		
337.9'	347.5'	9.6'		Biotite/Pyroxene Hornfels - thinly bedded.		
347.5'	357.6'	10.1'		Biotite Hornfels		
357.6'	381.5'	23.9'		Biotite/Pyroxene Hornfels - thinly bedded.		
381.5'	384.6'	3.1'		Biotite Hornfels		
384.6'	394'	9.4'		Biotite Hornfels - coarse grained at 393.6'. Core very broken from 381.5' to 394'.		
394'	410'	16'		Actinolite-tremolite Hornfels		
410'	468.3'	58.3'		Biotite Hornfels		
468.3'	471.1'	2.8'		Calcite Hornfels		
471.1'	486.8'	15.7'		Tremolite Hornfels - mottled crystalline. Slickensided at 481'.		
[redacted]				SAMPLED		
				486.5' to 490.5' 4'	2.00	
				490.5' to 495' 4.5'	0.33	
				495' to 500' 5'	0.38	
486.5'	490.5'	4'		Garnet Hornfels - fine scheelite and pyrite.		
490.5'	499.9'	9.4'		Pyroxene Hornfels - with pyrrhotite and scheelite.		
499.9'	508.8'	8.9'		Muscovite Quartzite.		
			HOLE	COMPLETED AT 508.8 FEET		
				Survey		
				100' 88°		
				200' 86°		
				300' 85°		
				400' 83°		
				500' 83°		
				Bearing		
				~~309'~~ ~~81°~~ IGNORE		
				312' 70°		
				317' 71°		
				320' 70°		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 162

Logged By: _____

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
	68	74	6.0	0.12		0.72	
	74	78	4.0	3.00		12.00	6.1m 0.90%
	78	84	6.0	0.20		1.20	20' at 0.88%
	84	89	5.0	0.53		2.65	WO_3
	89	94	5.0	0.42		2.10	B lens
	205	210	5.0	0.55		2.75	
	210	215	5.0	0.77		3.85	
	215	220	5.0	5.30		26.50	
	220	225	5.0	0.24		1.20	
	225	230	5.0	0.60		3.00	51' at 0.87% WO_3
	230	235	5.0	0.20		1.00	
	235	240	5.0	0.62		3.10	
	240	245	5.0	0.06		0.30	
	245	253	8.0	0.09		0.72	
	253	256	3.0	0.67		2.01	
	256	260	4.0	0.05		0.20	
	260	264	4.0	0.12		0.48	
	264	270	6.0	0.22		1.32	
	270	275	5.0	0.35		1.75	
	275	280	5.0	0.63		3.15	
	280	285	5.0	0.71		3.55	
	285	290	5.0	0.98		4.90	44' at 0.89%
	290	296	6.0	0.37		2.22	
	296	302	6.0	1.10		6.60	
	302	306	4.0	0.10		0.40	
4860	306	312	6.0	0.01	0.01		
	306	314	8.0	0.41		3.28	1.5m 0.44%
4861	312	314	2.0	0.48	0.01		
4862	314	319	5.0	0.02	0.01		
4863	319	324	5.0	0.03	0.01		
	372	378	6.0	0.09		0.54	
	486.5	490.5	4.0	2.00		8.00	
	490.5	495.0	4.5	0.33		1.48	4.1m 0.84%
	495	500	5.0	0.38		1.90	13.5' at 0.84%

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 162 (Reassay September, 1972)

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Check Assay	L X A	REMARKS
B 1451	206	210	4	0.37			
2	210	214	4	0.05			
3	214	218	4	2.03			16' at 1.71% WO_3
4	218	222	4	4.41			4.9m 1.72%
5	222	226	4	0.15			
6	226	230	4	0.14			
7	230	234	4	0.26	0.29		
8	234	238	4	0.52			8' at 0.39% WO_3
9	238	242	4	0.07			1.2m 0.52%
60	242	246	4	0.09			
1	246	250	4	0.09			
2	250	254	4	0.34			1.2m 0.34%
3	254	258	4	0.10			
4	258	262	4	0.05			
5	262	266	4	0.23			
6	266	270	4	0.14	/		
7	270	274	4	0.38	0.40		
8	274	278	4	0.56			
9	278	282	4	0.44			
70	282	286	4	0.60			
1	286	290	4	0.79			32' at 0.59% WO_3
2	290	294	4	0.17			9.8 0.59
3	294	298	4	0.87			
B1474	298	302	4	0.90			

DOLPHIN | DDH # D162

DATE SURVEYED > 00*00*72

C

R.L 0.0

R.L -100.0

EOH -148.2

S64150

219950

PLAN.
SECTION

SURV METHOD : MS

FINAL DEPTH 155.1
SURVEY DEPTH 152.4

CASING DEPTH 1.0

COL 219957.2 S64100.5
EOH 219966.9 S64102.2

159

99682.5 ~~97682.5~~
810N, 189W, R.L. 317.5'. Vertical

0	40'	40'	0.10
40'	77'	37'	0.10

I.S.G. Co-ordinates: 219,589.0 E
564,468.1 N
R.L. = 100.1 m.

158

97818-0
848N, 182W, R.L. 322.1' Vertical

			ASSAY	
	To	Length	NO_3	Mo
0	80'	80'	0.10	

I.S.G Co-ords: 219,631.5 E
564,473.6 N
R.L. = 101.5 m

157

776N, 64W, R.L. 314.1 Vertical

Logged by

		Length	Assay	
0	80'	80'	0.10	

I.S.G. Co-ords: 219,664.0 E
564,446.7 N
R.L. = 99.0 m

DIAMOND DRILL HOLE 156

729N, 64W, R.L. 307' Vertical Logged by: N.R. Kinnane

RECORDS			ASSAY		
From	To	Length	WO_3	Mo	
0	80'	80'	0.10		

I.S.G. Co-ords: 219,661.9 E
564,432.5 N
R.L. = 96.9 m

763N, 194W, R.L. 314.1, Vertical

N. R. Kinnane

0	80'	80'	0.10	

I.S.G. Co-ords: 219,624·2 E
564,448·5 N
R.L. = 99·0m

154

Line 14

722N, 189W, R.L. 304.9

			WO_3		
0	5'	5'	0.10	-	
5'	10'	5'	0.10	-	
10' 4.6	15'	5'	0.10	-	
15' 6.1	20'	5'	0.11	0.55	
20' 7.6	25'	5'	0.10	-	
25' 9.1	30'	5'	0.23	1.15	
30'	35'	5'	0.10	-	
35'	40'	5'	0.10	-	
40' 13.7	45'	5'	0.10	-	
45' 15.2	50'	5'	0.12	0.60	
50' 16.5	55'	5'	0.28	1.40	15' at 0.51% WO_3
55' 18.3	60'	5'	0.87	4.35	
60' 19.8	65'	5'	0.40	2.00	
65' 21.3	70'	5'	0.16	0.80	
70' 22.9	75'	5'	0.20	1.00	
75'	80'	5'	0.10	-	

I.S.G. Co-ords: 219,623.9E
564,485.9N
R.L. = 96.2m

153

Line 12

702N, 71E, R.L. 295.8

			ASSAY		
0	40'	40'	0.10		-
40'	77'	37'	0.10		-

I.S.G Co-ords: 219,701.4 E
564,418.4 N

R.L = 983m

DIAMOND DRILL HOLE 152

Line 13

680N, 70W. RL 296.2

Logged By:

FOOTAGES From	To	Length	ASSAY WO_3	Mo		
0	5'	5'	<0.10		-	
5'	10'	5'	<0.10		-	
10'	15'	5'	<0.10		-	
15'	20'	5'	<0.10		-	
20'	25'	5'	0.15		0.75	
25'	30'	5'	0.22		1.10	
30' 9.1	35'	5'	0.28		1.40	10' at 0.34% WO_3
35' 10.1	40'	5'	0.41		2.05	
40' 12.2	45'	5'	0.21		1.05	
45' 13.7	50'	5'	<0.10		-	
50' 15.21	55'	5'	0.19		0.95	

I.S.G. Coords: 219,657-9E
564,418-0N
R.L = 93.6m

DIAMOND DRILL HOLE 151

Section 12

650N, 67E. R.L. 287.4 Logged By:

DEPTHS			ASSAY			REMARKS
From	To	Length	WO_3	Mo		
0 1.5	5'	5'	0.26		1.30	
5' 3.0	10'	5'	0.50		2.50	
10' 4.6	15'	5'	0.49		2.45	
15' 6.1	20'	5'	0.40		2.00	
20' 7.6	25'	5'	0.77		3.85	
25' 9.1	30'	5'	0.70		3.50	
30' 10.7	35'	5'	0.76		3.80	80' at 0.56% WO_3
35' 12.2	40'	5'	0.40		2.00	
40' 13.7	45'	5'	0.48		2.40	
45' 15.21	50'	5'	0.13		0.65	
50' 16.8	55'	5'	0.39		1.95	
55' 18.3	60'	5'	1.11		5.55	
60' 19.8	65'	5'	0.92		4.60	
65' 21.3	70'	5'	0.67		3.35	
70' 22.9	75'	5'	0.26		1.30	
75'	80'	5'	0.40		2.00	

I.S.G. Co-ords: 219,697.9E
564,402.9N
R.L. = 90.9m

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 148

[redacted]ion No. 1 Orebody - Line 10 Elevation 77.9'

nal Depth 500 Feet Co-Ords. 345.9S 159.3E

.p 85° Bearing 190°

ite Commenced - Date Completed -

I.S.G. Co-ords: 219,681·7E / 564,098·5N R.L. = 27·0m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
)	10'	10'		Sand		
.0'	14'	4'		Biotite-actinlolite Hornfels:- fragments of aplite.		
.4'	22'	8'		Biotite-actinolite Hornfels		
2'	44'	22'		Calcite Hornfels:- and minor biotite-actinolite hornfels. SAMPLED		
				14' to 20' 6'	0.16	
				20' to 25' 5'	0.48	
				25' to 30' 5'	0.07	
				30' to 34' 4'	0.12	
				34' to 40' 6'	0.17	
				40' to 51.5' 11.5'	0.05	
4'	78.5'	34.5'		Biotite-actinolite Hornfels		
8.5'	80.4'	1.9'		Aplite		
0.4'	82.3'	1.9'		Biotite-actinolite Hornfels		
2.3'	82.8'	0.5'		Aplite		
2.8'	86.4'	3.6'		Biotite-actinolite Hornfels		
6.4'	87.1'	0.7'		Aplite		
7.1'	150.3'	63.2'		Biotite-actinolite Hornfels		
51.3'	153.4'	2.1'		Biotite-actinolite Hornfels		
3.4'	154.9'	1.5'		Aplite		
4.9'	236.5'	81.6'		Biotite-actinolite/Biotite Hornfels - Hanging wall series.		
.5'	237'	0.5'		Aplite		
7'	239.5'	2.3'		Biotite Hornfels		
9.5'	250.2'	10.9'		Pyroxene Hornfels:- with some garnet and calcite/scheelite SAMPLED		
				240' to 250' 10'	0.06	
0.2'	272'	21.8'		Garnet Hornfels: with some pyroxene patches and calcite and scheelite throughout. SAMPLED		
				250' to 255' 5'	1.05	
				255' to 260' 5'	0.21	
				260' to 265' 5'	0.48	
				265' to 270' 5'	0.13	
2'	329'	57'		Pyroxene-garnet Hornfels:- with irregular patches of calcite. Small amounts of scheelite with one good patch 313.5' to 314.5'. SAMPLED		
				270' to 280' 10'	0.12	
				280' to 290' 10'	0.08	
				290' to 300' 10'	0.07	
				300' to 310' 10'	0.12	
				310' to 320' 10'	0.24	
				320' to 330' 10'	0.19	

[redacted]EKO LIMITED

AMOND DRILL CORE LOG SHEET

Page No. 2

Hole No. 148

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
329'	332'	3'		Biotite Hornfels		
332'	345'	13'		Pyroxene Hornfels:- with some garnet and traces of scheelite.		
				SAMPLED		
				330' to 340' 10'	0.05	
				340' to 347' 7'	0.12	
				347' to 352' 5'	0.76	
				352' to 357' 5'	0.14	
345'	367'	22'		Garnet Hornfels:- with some garnet pyroxene hornfels - abundant scheelite.		
				SAMPLED		
				357' to 362' 5'	0.30	
				362' to 367' 5'	0.59	
[redacted]'	374'	7'		Pyroxene Hornfels		
				SAMPLED		
				367' to 377' 10'	0.05	
374'	378'	4'		Biotite Hornfels/Biotite-actinolite Hornfels		
378'	438'	60'		Calcite Hornfels:- with patches of garnet and scheelite. Best section 386' to 387.5'.		
				SAMPLED		
				377' to 387' 10'	0.05	
				387' to 390' 3'	0.74	
				390' to 400' 10'	0.05	
				400' to 410' 10'	0.05	
				410' to 420' 10'	0.05	
				420' to 430' 10'	0.05	
				430' to 440' 10'	0.05	
438'	460'	22'		Pyroxene Hornfels:- with bands of biotite - bedding angle 40° to core axis.		
				SAMPLED		
				440' to 450' 10'	0.05	
				450' to 460' 10'	0.09	
460'	460.8'	0.8'		Aplite		
460.8'	473'	11.2'		Biotite-pyroxene Hornfels:- with calcite. Transition beds from 438' to 473'.		
				SAMPLED		
				460' to 470' 10'	0.08	
473'	500'			Granite		
				HOLE COMPLETED AT 500 FEET		
				Survey		
				200' 84° 30°		
				400' 85°		
				500' 85°		

DIAMOND DRILL HOLE 148

Line 10 - Open Cut

Logged By:

FEET			ASSAY			REMARKS
From	To	Length	WO_3	Mo		
14'	20'	6'	0.16		0.96	
20'	25'	5'	0.48		2.40	5.0 at 0.48% WO_3
25'	30'	5'	0.07		0.35	
30'	34'	4'	0.12		0.48	
34'	40'	6'	0.17		1.02	
40'	51.5'	11.5'	<0.05		-	
240'	250'	10'	0.06		0.60	
250'	255'	5'	1.05		5.25	15' at 0.68% WO_3
255'	260'	5'	0.21		1.05	
260'	265'	5'	0.48'		2.40	
265'	270'	5'	0.13		0.65	
270'	280'	10'	0.12		1.20	
280'	290'	10'	0.08		0.80	
290'	300'	10'	0.07		0.70	
300'	310'	10'	0.12		1.20	
310'	320'	10'	0.24		2.40	
320'	330'	10'	0.19		1.90	
330'	340'	10'	<0.05		-	
340'	347'	7'	0.12		0.84	
347'	352'	5'	0.76		3.80	20' at 0.45% WO_3
352'	357'	5'	0.14		0.70	
357'	362'	5'	0.30		1.50	
362'	367'	5'	0.59		2.95	
367'	377'	10'	0.05		0.50	
377'	387'	10'	0.05		-	
387'	390'	3'	0.74		2.22	
390'	400'	10'	<0.05		-	
400'	410'	10'	<0.05		-	
410'	420'	10'	<0.05		-	
420'	430'	10'	<0.05		-	
430'	440'	10'	<0.05		-	
440'	450'	10'	<0.05		-	
450'	460'	10'	0.09		0.90	
460'	473'	13'	0.08		1.04	

DDH 48
1:500

6241000N

6240950N

219760 E.

DDH 148.

219680E
(Section Line).

DDH 146

RL=27.04m

SURVEYED
(SEE DRILL LOG)

ph
gh
pgh
bh
ch
bph
bh/ph
Granite.
gr Granite

PLANE OF HOLE

GAF A3 5mm.

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 147

Location No. 1 Orebody - Line 9 — Elevation 148.6' +10.81 = 159.41 ↓ 48.59

Final Depth 690' 210.31 — Co-Ords. 486.7S, 273.1E (99513.3)

Dip Vertical — Bearing -

Date Commenced - — Date Completed -

I.S.G. Co-ords: 219,709.8E / 564,051.0N ; R.L. = 48.6m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	70'	70'		Sand		
70'	166'	96'		Actinolite Hornfels		
166'	173'	7'		Aplite		
173'	186'	13'		Actinolite Hornfels		
186'	189.5'	3.5'		Aplite		
189.5'	224.5'	35'		Actinolite Hornfels:- broken ground 213' to 219'.		
224.5' (68.28)	264'	39.5'		Pyroxene Hornfels:- calcareous from 229.5' to 230.8' and with patches of scheelite 235.5' to 237.8' 238' to 242' 243' to 251'		
				SAMPLED		
				225' to 238' 13'	0.06	
				238' to 343' 5'	1.30	
				343' to 253' 10'	1.50	
				253' to 258' 5'	0.05	
				258' to 263' 5'	0.05	
				263' to 268' 5'	0.18	
264' (90.27)	287.5' (87.63)	23.5'		Calcite Hornfels:- with pyroxene hornfels and scheelite 267.5' to 270' and from 277' to 280.5', 288.5'		
				SAMPLED		
				268' to 273' 5'	0.07	
				273' to 283' 10'	0.11	
				283' to 288' 5'	0.26	
287.5'	298' (90.83)	10.5'		Pyroxene Hornfels		
				SAMPLED		
				288' to 295' 7'	0.05	
298'	341.5'	43.5'		Biotite-Actinolite Hornfels:- with thin dakes of aplite 323.5' to 325' 326' to 326.8'		
341.5'	349.5'	8'		Aplite:- stringers and solid dyke. 327' to 341' stringers 341.5' to 349.5' dyke.		
349.5'	366.0'	16.5'		Pyroxene Hornfels:- strong biotite from 355.8' to 356.7'. Trace of scheelite at 359', some bands of biotite and calcite hornfels. SAMPLED		
				356' to 364' 8'	0.06	
366'	380.8'	14.8'		Banded Biotite/Pyroxene Hornfels:- banding at 45° and 60° to core axis. SAMPLED		
				364' to 371' 7'	0.05	
380.8'	381.4'	0.6'		Aplite		
381.4'	384.4'	3.0'		Pyroxene/Biotite Hornfels		
384.4'	423'	38.6'		Pyroxene Hornfels:- with some actinolite.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. ~~147~~

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
				SAMPLED		
				386' to 395' 9'	0.05	
				395' to 403' 8'	0.05	
				403' to 413' 10'	0.05	
				413' to 423' 10'	0.05	
423'	431'	8'		Pyroxene Hornfels/calcite Hornfels:- with scheelite at 423' to 431'.		
				SAMPLED		
				423' to 428' 5'	0.14	
				428' to 433' 5'	0.25	
431'	466'	35'		Biotite-actinolite Hornfels		
				SAMPLED		
				433' to 443' 10'	0.05	
				443' to 456' 13'	0.05	
				456' to 468' 12'	0.05	
				468' to 473' 5'	0.12	
466'	476.5'	10.5'		Pyroxene-Garnet Hornfels		
476.5'	508.7'	32.2'		Calcite Hornfels:- with garnet and scheelite 476' to 488'. Traces of bedding at 45° to core axis.		
				SAMPLED		
				473' to 478' 5'	0.35	
				478' to 488' 10'	0.09	
				488' to 498' 10'	0.05	
				498' to 508.9' 10.9'	0.05	
508.7'	690'	21.3'		Granite		
				HOLE COMPLETED AT 690 FEET		
				SURVEY OF HOLE		
				100' 90°		
				200' 90°		
				300' 90°		
				400' 89° 030°		
				500' -		
				600' 89° 030°		

DIAMOND DRILL HOLE NO. 147

LOCATION: Line 9 - No. 1 Orebody

CO-ORDINATES: 99513.3
486.7S, 273.1E

R.L.: 148.6 Feet + 10.81 = 159.41

DATE COMMENCED:

DATE COMPLETED:

FINAL DEPTH: 690 Feet

DATE SURVEYED:

LOGGED BY:

I.S.G. Co-ords: 219,709.8 E
564,051.0 N
R.L. = 48.6m

DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH RECOVERED	ASSAYS WO$_3$			
0	70	70	0				
70	229.5	159.5	159.5				
225	238	13	13	0.06			
229.5	293	63.5			4.57m		
238	243	5	5	1.30	15' at 1.43		
243	253	10	10	1.50			
253	258	5	5	(0.05			
258	263	5	5	0.05			
263	268	5	5	0.18			
268	273	5	5	0.07			
273	283	5	5	0.11			
283	288	5	5	0.26			
288	295	7	7	(0.05			
293	356	63	63				
356	432	76	76				
356	364	8	8	0.06			
364	371	7	7	(0.05			
386	395	9	9	(0.05			
395	403	8	8	(0.05			
403	4 13	10	10	(0.05			
413	423	10	10	(0.05			
423	428	5	5	0.14			
428	433	5	5	0.25			
432	468.7	36.7	36.7				
433	443	10	10	0.05			
443	456	13	13	(0.05			
456	468	12	12	0.05			
468.7	476.5	7.8	7.8				
468	473	5	5	0.12			
473	478	5	5	0.35			
476.5	478.5	2.5	2.5				
478.5	509.1	30.6	30.6				

DRILL HOLE No. 147

	GEOLOGICAL DESCRIPTION	FRAC.
	Sand	
ACTINOLITE HORNFELS 70'-229.5'	ACTINOLITE HORNFELS - bedding at 40° to angle of core. Aplites 166' to 173', 186' to 189.5'.	
ACTINOLITE/CALCITE HORNFELS-229.5'-293'	ACTINOLITE/CALCITE HORNFELS - banded rock predominantly calcite hornfels with stringers of actinolite rock.	
ACTINOLITE HORNFELS 293'-356'	ACTINOLITE HORNFELS, fine grained rock with some biotite rock. Aplite from 323.5 to 325, 326 to 326.8, 341' to 348.4, 348.8' to 349.5'.	
CALCITE HORNFELS 356' - 432'	CALCITE HORNFELS - traces of soft brown biotite rock and quartz stringers. Some actinolite bands. Banded biotite rock from 366.5 to 370.5 with bedding at 45 to 60° to angle of core. Coarse aplite from 384.4 to 385.9'.	
OLIVINE HORNFELS 432' - 468.7'	OLIVINE HORNFELS - Irregular and broken from 452' to 460'	
PYROXENE/GARNET HORNFELS 468.7-476.5	PYROXENE-GARNET HORNFELS, bedding at 30° to angle of core.	
GARNET HORNFELS 476 - 478.5	GARNET HORNFELS, light brown rock.	
CALCITE HORNFELS 478.5 - 509.1	CALCITE HORNFELS - rock banded paralle to angle of core. Broken and soft 493' to 494'. 494' to 508.9' core angle at 45o.	

DISTANCE		LENGTH SAMPLED	LENGTH REC'D	ASSAY
FROM	TO			WO_3
478	488	10	10	0.09
488	498	10	10	0.05
498	508.9	10.9	10.9	0.05
509.1	540	30.9	30.9	
540	541.6	1.6	1.6	
541.6	690	148.5	148.5	
586.4	586.55	0.15	0.15	1.40

DRILL HOLE N 147

	GEOLOGICAL DESCRIPTION	FRACTURES
	Talcose rock from 508.9 to 509.1	
IE 509.1-540	APLITE - coarse granitic aplite with minor calcite stringers 525.2 to 525.6.	
CIA 540-541.6	BRECCIA - 540 to 541.6 Breccia of slate and granite.	
ITE 541.6 - 690'	GRANITE - Coarse grained with minor calcite stringers at 545.7' to 690'. Specks of Scheelite from 586.5 for about 2".	

DIAMOND DRILL HOLE 147

Logged By:

	SAMPLE	FOOTAGES			ASSAY		L X A	REMARKS
		From	To	Length	WO_3	No		
		225'	238'	13.0'	0.06		0.78	
		238' 72.5	243'	5.0'	1.30		6.50	15' at 1.43% WO_3
		243' 74.1	253'	10.0'	1.50		15.0	
		253' 77.1	258'	5.0'	<0.05		-	
		258'	263'	5.0'	0.05		0.25	
		263'	268'	5.0'	0.18		0.90	
		268'	273'	5.0'	0.07		0.35	
		273'	283'	5.0'	0.11		0.55	
		283' 86.2	288' 87.8	5.0'	0.26		1.30	5' at 0.26%.
		288'	295'	7.0'	<0.05		-	
		356'	364'	8.0'	0.06		0.48	
		364'	371'	7.0'	<0.05		-	
		386'	395'	11.0'	<0.05		-	
		395'	403'	8.0'	<0.05		-	
		403'	413'	10.0'	<0.05		-	
		413'	423'	10.0'	<0.05		-	
		423'	428'	5.0'	0.14		0.70	
		428' 130.4	433' 132	5.0'	0.25		1.25	5' at 0.25% WO_3
		433'	443'	10.0'	0.05		0.50	
		443'	456'	13.0'	<0.05		-	
		456'	468'	12.0'	0.05		0.60	
		468'	473'	5.0'	0.12		0.60	
		473' 144.2	478' 145.7	5.0'	0.35		1.75	5' at 0.35% WO_3
		478'	488'	10.0'	0.09		0.90	
		488'	498'	10.0'	<0.05		-	
		498'	508.9'	10.9'	<0.05		-	
7th JAN '80	D11638	585.5'	586.4	0.9'	0.03%	0.03 sampled		to check presence of wolframite
		586.4	586.55	0.15	1.40			scheelite present
	D11639	586.55	587.45	0.9'	0.06%	0.04 sampled		to check presence of wolframite.

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 146

cation No. 1 Orebody - Line 14 Elevation 2950

nal Depth 197 Co-Ords. 651.1N, 217.9W (99782-1)

.p Vertical Bearing -

ıte Commenced - Date Completed -

I.S.G. Coords: 219,612.0E / 564,415.8N ; R.L. = ?

Footage		Length		Description	Assay	
:om	To	Run	Rec.		WO_3	Mo
)	23'	23'		Overburden		
.3'	45'	22'	1'	Clay:- with quartz		
-5'	53'	8'	1.25'	Clay:- hard green clay		
				SAMPLED		
				23' to 45' 22'	0.05	
				45' to 60' 15'	0.05	
›3'	71'	18'		Quartz		
71'	82.3'	11.3'	0.75'	Garnet Hornfels - oxidized.		
				SAMPLED		
				60' to 71' 11'	0.05	
				71' to 72' 1'	0.98	
				72' to 83' 11'	NoCore	
82.3'	87.7'	5.4'		Sand - with one garnet fragment		
				SAMPLED		
				83' to 84' 1'	0.49	
				84' to 98.4' 14.4'	NoCore	
7.7'	93.0'	5.3'		Quartz and Garnet Hornfels		
3.0'	98.5'	5.5'		No Core		
8.	108.9'	10.4'		Brown Clay		
08.9'	122.9'	14.0'	0.25'	Pyroxene-garnet Hornfels		
22.9'	124.0'	1.1'	0.75'	Pyroxene-garnet Hornfels		
				SAMPLED		
				98.4' to 108.9' 10.5'	0.05	
				108.9' to 124' 15.1'	0.05	
124'	128'	4'		Pyroxene Hornfels		
128'	148.5'	20.5'		Olivine Hornfels		
148.5'	149'	0.5'		Olivine Hornfels:- broken rock		
149'	153'	4.0'		Olivine Hornfels		
153'	154.5'	1.5'		Pyroxene Hornfels - with stringers of calcite.		
				SAMPLED		
				124' to 129' 5.0'	0.05	
				129' to 138' 9.0'	0.05	
				138' to 146' 8.0'	0.05	
				146' to 153' 7.0'	0.05	
				153' to 185 5.0'	0.12	
154.5'	164.0'	9.5'		Calcite Hornfels		
164'	167'	3.0'		Biotite Hornfels - soft brown granular Bh.		
167'	167.3'	0.3'		Tremolite crystals		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. ~~146~~

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
167.3'	170.5'	3.2'		Pyroxene-garnet Hornfels		
170.5'	171.5'	1'		Calcite Hornfels		
				SAMPLED		
				158' to 168' 10'	0.05	
				168' to 173' 5'	0.18	
171.5'	172.5'	1'		Pyroxene Hornfels		
172.5'	197.0'	14.5'		Quartzite		
				SAMPLED		
				173' to 185' 12'	0.05	
				185' to 197' 12'	0.05	
				HOLE COMPLETED AT 197 FEET		

DIAMOND DRILL HOLE 146

Logged By:

FOOTAGES			ASSAY			
From	To	Length	WO_3	Mo		
0	23'	23'	No Core			
23'	45'	22'	0.05			
45'	60'	15'	0.05			
60'	71'	11'	0.05			
71' 21.6	72'	1'	0.98			1' at 0.98% WO_3
72' 21.9	83'	11'	No Core			
83' 25.3	84'	1'	0.49			1' at 0.49% WO_3
84' 25.6	98.5'	14.5'	No Core			
98.5' 30.0	108.9'	10.4'	0.05			
108.9' 33.2	124'	15.1'	0.05			
124' 37.8	129'	5.0'	0.05			
129' 39.3	138'	9.0'	0.05			
138'	146'	8.0'	0.05			
146'	153'	7.0'	0.05			
153'	158'	5.0'	0.12			
158'	168'	10.0'	0.05			
168'	173'	5.0'	0.18			
173'	185'	12.0'	0.05			
185'	197'	12.0'	0.05			

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 145

cation No. 1 Orebody - Line 13 Elevation 296.2 Feet

nal Depth 150.3 Feet Co-Ords. 697.3N, 87.8W (99912.2)

p Vertical Bearing -

te Commenced - Date Completed -

I.S.G. Co-ords: 219,653.3E / 564,424.0N ; R.L. = 93.6m

Footage		Length		Description	Assay	
om	To	Run	Rec.		WO_3	Mo
0	73'	73'		Clay:- containing chips of quartz. SAMPLED 32.5' to 84.8' 52.3'	0.18	
73'	84.7'	11.7'		Slate:- grey soft rock.		
84.7'	88.3'	3.6'		Garnet Hornfels:- siliceous rock.		
88.3'	100.0'	11.7'		Biotite/Pyroxene Hornfels:- with some garnet.		
00	107.0'	7.0'		Biotite/Pyroxene Hornfels SAMPLED		
				84.8' to 88.3' 3.6'	0.17	
				88.3' to 98' 9.7'	0.05	
				98' to 100' 2.0'	0.09	
				100' to 110' 10.0'	0.05	
07.0'	113'	6.0'		Biotite Hornfels SAMPLED		
				110' to 120' 10'	0.05	
13'	130'	17'		Olivine Hornfels		
30'	131'	1'		Pyroxene Hornfels		
31'	150.3'	19.3'		Quartzite SAMPLED		
				120' to 130' 10'	0.05	
				130' to 132' 2'	0.05	
				132' to 140' 8'	0.05	
				140' to 150.3' 10.3'	0.05	
				HOLE COMPLETED AT 150.3 FEET		

DIAMOND DRILL HOLE 145

Logged By:

FOOTAGES			ASSAY		X Y Z	REMARKS
From	To	Length	WO_3	Mo		
0	32.5'	32.5'	No Core		-	
32.5'	84.8'	52.3'	0.18		9.41	
84.8'	88.3'	3.5'	0.17		0.59	
88.3'	98.0'	9.7'	0.05		0.48	
98.0'	100.0'	2.0'	0.09		0.18	
100.0'	110.0'	10.0'	<0.05		-	
110.0'	120.0'	10.0'	<0.05		-	
120.0'	130.0'	10.0'	<0.05		-	
130.0'	132.0'	2.0'	<0.05		-	
132.0'	140.0'	8.0'	<0.05		-	
140.0'	150.3'	10.3'	<0.05		-	

NOTES ON DDH 144 P.C. OCTOBER, 1972.

UNIT	REMARKS
C-LENS 00 - 89'6"	Hole collared in oxidised skarn, unweathered below approximately 30'. Patches of calcite and occasional barren hornfels bands present in bottom 20'. Patches of MoS_2 are common.
REPLACED FOOTWALL BEDS 89'6" - 100'	Approximately 50% skarn and 50% interbedded barren biotite and pyrexene hornfels.
BIOTITE AND PYROXENE HORNFELS 100 - 112'	typical finely laminated biotite and pyrexene hornfels. Angle of bedding to L.A. of C. = 75° at 105'
OLDER VOLCANICS ? 112 - 128'	actinolite rich massive hornfels mottled in part.

NOTE:

Most of core split and very broken so hard to relog. Use these notes in conjunction with original log.

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 144

cation No. 1 Orebody - Line 12 Elevation 287.4 Feet

nal Depth 134 Feet Co-Ords. 649.0N, 67.3E

p Vertical Bearing

te Commenced Date Completed

I.S.G. Co-ords: 219,697.9E/564,402.6N; R.L = 90.9m.

Footage		Length		Description	Assay	
om	To	Run	Rec.		WO_3	Mo
0	9'	9'		Soil and Clay SAMPLED 0 to 10' 10.0'	0.24	
9'	17'	8'	2.25	Garnet Hornfels - oxidized siliceous rock. SAMPLED 10' to 17' 7.0'	0.92	
.7'	19.5'	2.5'		Calcite		
9.5'	29.0'	9.5'	0.20	Garnet Hornfels - oxidized siliceous rock. SAMPLED 17' to 29' 12.0'	0.17	
9.0'	40.5'	11.5'	2.0'	Garnet Hornfels - siliceous rock. SAMPLED 29' to 35' 6.0' 35' to 40.5' 5.5'	0.32 0.45	
0.5'	57.5'	17.0'	3.5'	Calcite Hornfels - green rock. SAMPLED 40.5' to 45.0' 4.5' 45.0' to 49.5' 4.5' 49.5' to 61.5' 12.0'	0.36 0.44 0.07	
.5'	78.3'	20.8'	4.0'	Garnet Hornfels - Siliceous rock. SAMPLED 61.5' to 69.5' 8.0' 69.5' to 79.5' 10.0'	0.65 0.23	
.3'	79.0'	0.7'		Calcite - with some molybdenite.		
.0'	80.0'	1.0'		Garnet Hornfels -		
0'	82.0'	2.0'		Garnet Pyroxene Hornfels		
.0'	88.5'	6.5'		Garnet Hornfels - with molybdenite.		
.5'	89.2'	0.7'		Biotite-actinolite Hornfels SAMPLED 79.5' to 84.5' 5.0' 84.5' to 89.5' 5.0'	0.43 0.31	
.2'	89.5'	0.3'		Calcite		
.5'	91'	1.5'		Biotite-actinolite Hornfels		
'	95'	4.0'		Calcite-garnet Hornfels SAMPLED 89.5' to 95.5' 6.0'	0.61	
5'	100'	5.0'		Garnet-pyroxene Hornfels - bands of biotite hornfels with pyrite and molybdenite.		
0'	101.5'	1.5'		Pyroxene Hornfels SAMPLED 959.5' to 104.0' 8.5'	0.07	
1.5'	111.5'	10.0'		Pyroxene Hornfels - fine banded rock with garnet hornfels.		
1.5'	112.3'	0.7'		Garnet Hornfels SAMPLED 104.0' to 110.0' 6.0'	0.05	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 144

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
112.3'	115.0'	2.7'		Biotite-actinolite Hornfels		
115'	119.5'	4.5'		Biotite-actinolite Hornfels - coarse grained rock.		
119.5'	125.5'	6.0'		Slates - broken rock		
125.5'	128'	2.5'		Biotite Hornfels - broken rock		
128'	130'	2.0'		Biotite Hornfels - with calcite		
130'	134'	4.0'		Calcite		
				SAMPLED		
				110' to 122' 12'		0.09
				122' to 130' 8'		0.05
				130' to 134' 4'		0.05
				HOLE COMPLETED AT 134 FEET		

DIAMOND DRILL HOLE 144

Logged By:

FOOTAGES			ASSAY			REMARKS
From	To	Length	WO_3	Mo		
0	10.0'	10.0'	0.24		2.40	
10.0'	17.0'	7.0'	0.92		6.44	
17.0'	29.0'	12.0'	0.17		2.04	
29.0'	35.0'	6.0'	0.32		1.92	
35.0'	40.5'	5.5'	0.45		2.47	
40.5'	45.0'	4.5'	0.36		1.62	
45.0'	49.5'	4.5'	0.44		1.98	85.5' at
49.5'	61.5'	12.0'	0.07		0.84	0.39% WO_3
61.5'	69.5'	8.0'	0.65		6.20	
69.5'	79.5'	10.0'	0.23		2.30	
79.5'	84.5'	5.0'	0.43		2.15	
84.5'	89.5'	5.0'	0.31		1.55	
89.5'	95.5'	6.0'	0.61		3.66	
95.5'	104.0'	9.5'	0.07		0.66	
104.0'	110.0'	6.0'	0.05		0.30	
110.0'	122.0'	12.0'	0.09		1.08	
122.0'	130.0'	8.0'	0.05		-	
130.0'	134.0'	4.0'	0.05		-	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 143

ocation No. 1 Orebody - Line 11 Elevation 235.9

inal Depth 161 Feet Co-Ords. 552.2N, 225.1E

ip Vertical Bearing -

ate Commenced Date Completed

I.S.G. Co-ords: 219,741.3E / 564,366.4N ; R.L. = 75.2m

Footage		Length		Description	Assay	
rom	To	Run	Rec.		WO_3	Mo
0	7'	7'		Actinolite Hornfels SAMPLED 0' to 6.5' 6.5'	0.05	
7'	18'	17'		Pyroxene-garnet Hornfels - with pyrite SAMPLED 6.5' to 16.0' 9.5'	0.05	
18'	19'	1'		Calcite		
19	20.5'	1.5'		Pyroxene-garnet Hornfels		
20.5'	22'	1.5'		Calcite		
22'	24.5'	2.5'		Pyroxene-garnet Hornfels		
.4.5'	38'	11.5'		Garnet Hornfels - with quartz and calcite. SAMPLED 16.0' to 26.0' 10.0' 26.0' to 31.0' 5.0' 31.0' to 36.0' 5.0'	0.10 0.76 0.56	
38'	39'	1'		Pyroxene-garnet Hornfels		
39'	42'	3'		Garnet Hornfels - grossular garnet containing pyrite and molbdenite. SAMPLED 36.0' to 41.0' 5.0'	0.16	
42'	47'	5'		Calcite-garnet Hornfels - with pyrite and molybdenite SAMPLED 41' to 46' 5.0'	0.88	
7'	58'	11'		Garnet Hornfels SAMPLED 46' to 55' 9.0'	0.54	
8'	59.5'	1.5'		Calcite SAMPLED 55' to 60' 5.0'	0.57	
.5'	75'	15.5'		Garnet/Pyroxene Hornfels - grossular garnet SAMPLED 60' to 65' 5.0' 65' to 70' 5.0' 70' to 80' 10.0'	0.51 0.96 0.23	
5'	78'	3'		Pyroxene-garnet Hornfels		
8'	83'	5'		Actinolite Hornfels		
3'	89.5'	6.5'		Biotite-actinolite Hornfels SAMPLED 80' to 90' 10.0'	0.25	
.5'	93'	3.5'		Biotite-actinolite Hornfels - badly broken		
3'	96'	3'		Actinolite Hornfels		
5'	96.5'	0.5'		Biotite Hornfels		
.5'	97'	0.5'		Calcite		
'	100.5'	3.5'		Biotite-actinolite Hornfels SAMPLED 90' to 100' 10.0'	0.05	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 143

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
100.5'	105'	4.5'		Calcite		
105'	111'	6'		Biotite Hornfels		
111'	112'	1'		Calcite - green in colour		
112'	115'	3'		Biotite Hornfels SAMPLED 100' to 110' 10.0'	0.05	
115'	124'	9.0'		Calcite - green in colour		
124'	127'	3.0'		Biotite-actinolite Hornfels- with scattered pyrite. SAMPLED 110' to 120' 10.0' 120' to 130' 10.0'	0.05 0.14	
127'	129'	2.0'		Biotite Hornfels - highly pyritic		
129'	131'	2'		Biotite Hornfels - slickensided core 10° to core axis. SAMPLED 130' to 140' 10.0'	0.05	
131'	135'	4'		Biotite-actinolite Hornfels		
135'	141.5'	6.5'		Biotite-actinolite Hornfels - broken. SAMPLED 140' to 150' 10.0'	0.05	
141.5'	161'	19.5'		Biotite-actinolite Hornfels 150' to 161' 11.0'	0.05	
				HOLE COMPLETED AT 161 FEET		

DDH 143 RE-LOG P.C. OCTOBER, 1972.

NOTE: Not intended to replace original log but to be treated as an addition.

UNIT	REMARKS
"PGH" 00 - 25'	Typical downward gradation from biotite hornfels matrix down into pyroxene-garnet rich varieties with well developed calcite pods. Negligible scheelite.
C-LENS 25 - 77'	andradite pyroxene skarn with disseminated scheelite mineralisation and odd specks of MeS_2. Occasional barren hornfels bands below 50'.
BIOTITE-PYROXENE HORNFELS 77 - 83'	typical fine grain finely interbedded biotite and pyroxene hornfels bands.
OLDER VOLCANICS 83 - 89'	broken core of massive dark green chlorite rich hornfels.
	89 - 94' 3' LOST CORE
BIOTITE AND PYROXENE HF. 94 - 110'	predominantly fine grain fairly pure biotite hornfels with occasional pyroxene rich interbeds.
GARNET-PYROXENE SKARN 110 - 130'	medium grain garnet-pyroxene skarn with occasional patches of scheelite mineralisation.
BIOTITE-QUARTZ HF. 130'- eoh.	massive fine grain medium dark grey biotite quartz hornfels (not typical quartzite material, nor typical hanging wall hornfels).

DIAMOND DRILL HOLE 143

Logged By: N.R. KINNANE

SAMPLES	FOOTAGES			ASSAY		L.T.A	REMARKS
	From	To	Length	WO_3	Mo		
	0	6.5'	6.5'	0.05		-	
	6.5'	16'	9.5'	0.05		-	
	16'	26'	10.0'	0.10		0.10	
7.9	26'	31'	5.0'	0.76		3.80	
9.4	31'	36'	5.0'	0.56		2.80	
11.0	36'	41'	5.0'	0.16		0.80	
12.5	41'	46'	5.0'	0.88		4.40	64.0' at 0.49% WO_3
14.0	46'	55'	9.0'	0.54		4.86	
16.8	55'	60'	5.0'	0.57		2.85	
18.3	60'	65'	5.0'	0.51		2.55	
19.8	65'	70'	5.0'	0.96		4.80	
21.3	70'	80'	10.0'	0.23		2.30	
24.4	80'	90'	10.0'	0.25		2.50	
27.4	90'	100'	10.0'	0.05		-	
27.	100'	110'	10.0'	0.05		-	
	110'	120'	10.0'	0.05		-	
	120'	130'	10.0'	0.14		1.40	
	130'	140'	10.0'	0105		-	

Dam Site A-A

88 Feet

35°

2/5/1955

R.L. 13 Feet

2995N-1250E

I.S.G. Co-ords: 220,158·3 E / 565,057·8 N ; R.L. = 7·3m

0	34	Rubbly Muscovite, quartzite, pale greyish and reddish brownish fragments.
34	37	Wood
37	53	Fragments of spotted quartz hornfels, dark spotted blue-grey shale.
53	55	Dark greyish mud.
55	57	Interbedded blue grey shale, bedding at 13° to a of c.
57	65	Fragments of blue-grey spotted shale, pale grey quartz.hornfels.
65	88	Brecciated blue-grey spotted hornfels with minor quartz hornfels bands bedding.

(No Samples Taken)

Line 10 + 70 — 230.6 Feet

188 Feet, — 368.9N-229.7E — 73.98 m

90° —

19/2/1955 — 3/3/1955

I.S.G. Co-ords: 219,734·5E / 564,310·9N; R.L. = 73·6m.

0	9	Rubbly actinolite hornfels.
9	35.3	Actinolite hornfels, from 17-17.5 elongated whitish patches at an angle of to a of c.
35.3	38.0	Pyroxene garnet hornfels.
38.0	38.9	Biotite hornfels.
38.9	39.2	pyroxene garnet hornfels.
39	43.3	Fine grained biotite hornfels.
43.3	103.0	Pyroxene garnet hornfels.
03.0	108.9	Fine grained biotite hornfels.
8.9	115.7	Pyroxene garnet hornfels
15.7	131.7	Biotite hornfels with a few blobs of chalcopyrite.
31.7	141.4	Pyroxene garnet hornfels.
41.4	149.5	Garnet hornfels with scattered patches of molybdenite.
49.5	157.7	Fine grained biotite hornfels with a few patches of grossular garnet.
57.7	188.0	Thin bedded biotite hornfels, pyroxene hornfels, highly crumpled.

(Assays separate File)

35.3'	45.3'	10.0'	0.07	0.70	
45.3'	55.3'	10.0'	0.05	0.50	
55.3'	65.3'	10.0'	0.07	0.70	
65.3'	75.3'	10.0'	0.14	1.40	
75.3'	85.3'	10.0'	<0.05	-	
85.3'	95.3'	10.0'	<0.05	-	
95.3'	105.3'	10.0'	<0.05	-	
105.3'	115.3'	10.0'	0.08	0.80	
115.3'	125.3'	10.0'	<0.05	-	
125.3'	135.3'	10.0'	<0.05	-	
135.3'	143.8'	8.5'	0.07	0.59	
143.8' (43.8)	149.3'	5.5'	0.84	4.62	] 5.5' at 0.84% WO_3
149.3' (45.5)	157.7'	8.4'	<0.05	-	

Line 12 — 186 Feet

256 Feet 78·03 — 99527·6 99847·3 472.4S-152.7W

52½°

7/12/1954 — 17/12/1954

I.S.G. Co-ords: 219,582·1 E / 564,074·1 N ; R.L. = 60·0m

0	122			Sand
122	192.7	58·73		Massive <u>olivine hornfels</u> with patches and seams of pholopite up to 1/8" diam.
192.7	195.0			Altered pyroxene hornfels with patches of grossular garnet and calcite.
195.0	195.5			Calcite hornfels.
195.5	196.1		B lens	Coarse grained pyroxene calcite hornfels.
[illegible].1	200.3			Calcite hornfels.
200.3	204.9	62·45		Med. grained pyroxene garnet calcite hornfels.
204.9	205.6	62·67		Biotite hornfels.
205.6	207.5	63·25		Biotite hornfels with narrow bands, approx 1/8" diam of fine grained pinkish material with reaction haloes of diopside.
207.5	220.7	67·27		Fine grained biotite cordierite hornfels, spotted in places with clots of biotite up to 1/8" diam.
220.7	251.1	76·54		Actinolite hornfels.
251.1	256.0			Quartz biotite hornfels
				(No samples Taken)

DDH 137
1:500.

5641000N

5640500N

219600E

DDH 137

LINE 12.

RL+78m

SECTION IN
PLANE OF HOLE.

Line 11

619 Feet

52½°

164.3 Feet = 53.37m.

586S-28.5W

99414 99971-5

8/11/1954

I.S.G. Co-ord's : 219,614·5 E / 564,034·4N; R.L = 53·4m

0	118.0		Sand
18	202.2		Olivine hornfels.
02.2	209.4		Aplite
09.4	215.8		Calcite hornfels.
15.8	216.9		Aplite.
16.9	222.3		Highly calcareous
22.3	256.1		Aplite
[redacted]	270.5		Actinolite biotite hornfels.
70.5	271.4		Aplite
71.4	283.4		Actinolite hornfels.
83.4	287.3		Aplite.
87.3	404.1		Actinolite biotite hornfels.
04.1	465.6		Pyroxene garnet hornfels
65.6	471.5		Coarse grained garnet hornfels.
71.5	489.0		Thin bedded pyroxene hornfels, biotite hornfels with minor patches of garnet hornfels up to 2" wide.
89.0	529.8		Calcite hornfels with bands of thin bedded pyroxene hornfels, biotite hornfels and grossular garnet.
29.8	552.8		Garnet hornfels with minor bands of thin bedded pyroxene hornfels, biotite hornfels.
52.8	568.5		Garnet hornfels with numerous bands of thin bedded pyroxene hornfels, biotite hornfels, bedding at 80° to a of c.
68.5	619.0		[redacted] Incorrect. bph

(Assays Separate File)

DIAMOND DRILL HOLE 135

Line 11 - Open Cut.

Logged By:

			ASSAY		L X A	
		Length	WO_3	Mo		
123.2						
404.1'	414.1'	10.0'	<0.05		-	
126.2						
414.1'	424.1'	10.0'	<0.05		-	
129.3						
424.1'	434.1'	10.0'	<0.05		-	
132.3						
434.1'	444.1'	10.0'	<0.05		-	
135.4						
444.1'	454.1'	10.0'	<0.05		-	
138.4						
454.1'	465.6'	11.5'	<0.05		-	
141.9						
465.6'	471.7'	5.9'	0.93		5.49	5.9' at 0.93% WO_3
143.8						
471.7'	481.7'	10.0'	0.15		1.50	1.8m at 0.93%
146.8						
481.7'	491.7'	10.0'	<0.05		-	
149.9						
491.7'	501.7'	10.0'	<0.05		-	
152.9						
501.7'	511.7'	10.0'	<0.05		-	
156.0						
511.7'	521.7'	10.0'	0.11		1.10	
159.0						
521.7'	528.9'	7.2'	<0.05		-	
161.5						
529.8'	534.8'	5.0'	<0.05		-	
163.0						
534.8'	539.8'	5.0'	0.27		1.35	5' at 0.27% WO_3
164.5						
539.8'	544.8'	5.0'	0.10		0.50	
166.05						
544.8'	549.8'	5.0'	0.19		0.95	
167.6						
549.8'	554.8'	5.0'	0.21		1.05	
169.1						
554.8'	559.8'	5.0'	0.16		0.80	
170.6						
559.8'	566.3'	6.5'	0.09		0.58	
	172.6					

3.0 - 0.52%

DDH 135
1:500

219650 E

219640 E
(Section Line).

DDH 135

DDH 135

RL 53.37m

Sand

Sand

ISG SECTION
LOOKING E

SECTION IN PLANE
OF HOLE

Line 17+80 153.6Feet

136 Feet 3S-78 3W
99997 99212

60°

I.S.G. Co-ords: 219411.2 E / 564,243.7 N ; R.L = 58.2m

0	13	Sand
13	16	Fragments of oxidised olivine hornfels and aplite.
16	21	Aplite
21	27.5	Fine grained actinolite hornfels.
27.5	38.5	Pyroxene garnet hornfels.
38	59.0	Aplite at 38.7', contains a few large blackish crystals up to 1/2" diam.
59.0	64.2	Coarse grained calcite hornfels.
64.2	76.5	Coarse grained garnet hornfels.
76.5	80.3	Quartz containing amphibole and calcite. Shows bedding at 60° to a of c.
80.3	92.0	Massive garnet hornfels.
92.0	100.5	Pyroxene calcite garnet hornfels with minor narrow bands of thin bedded pyroxene hornfels up to 2" wide.
100.5	106.9	Massive coarse grained pyroxene calcite garnet hornfels.
106.9	119.0	Interbedded garnet hornfels and pyroxene calcite garnet hornfels, minor bands of thin bedded pyroxene hornfels, biotite hornfels bedding at 60° to a of c.
119.0	136.0	Thin bedded pyroxene hornfels, biotite hornfels with bedding at to a of c.

(Assays Separate File)

DIAMOND DRILL HOLE 134

Logged by

From	To	Length	Assay WO_3	Sn	K	Remarks
20.5'	27.5'	7.0'	<0.05		-	
27.5'	32.0'	4.5'	<0.05		-	
32.0'	36.2'	4.2'	0.37		1.55	8.5' at 0.31% WO_3
36.2'	40.5'	4.3'	0.25		1.07	
40.5'	59'	18.5'	<0.05		-	
59'	64.2'	5.2'	<0.05		-	
64.2'	69.2'	5'	0.24		1.20	46.1' at 0.39% WO_3
69.2'	76.4'	7.2'	0.39		2.81	
76.4'	80.3'	3.9'	0.58		2.26	
80.3'	85.3'	5'	0.96		4.80	
85.3'	90.3'	5'	0.33		1.65	
90.3'	95.3'	5'	0.28		1.40	
95.3'	100.3'	5'	0.20		1.00	
100.3'	105.3'	5'	0.38		1.90	
105.3'	110.3'	5.0'	0.21		1.05	
110.3'	115.3'	5.0'	0.25		1.25	
115.3'	119'	4.7'	<0.05		-	

Line 21 (New Line 7) 167.0 Feet

76 Feet 4N-12[98783.5]6.5W

85°

28/10/1954

I.S.G Co-ords 219,282·3 E / 564,264·8 N ; R.L. = 54·2 m

0	25	7·6	Sand
25	34.2	10.4	Actinolite hornfels ? at 32.2, bedding at 55° to a of c.
34.2	40.2	12·3	Massive garnet pyroxene hornfels.
40.2	43.1	13·1	Coarse grained calcite pyroxene hornfels with patches of pyrites up tl 1/4" diam.
43.1	56.3	17·16	Massive garnet pyroxene hornfels.
[redacted]	76.0	23·2	Coarse grained massive granite.

(Assays Separate File)

DIAMOND DRILL HOLE 133

Logged by ___

FOOTAGES			ASSAY			REMARKS
From	To	Length	WO_3	Mo		
25'	30'	5'	<0.05		-	
30'	35.2'	5.2'	<0.05		-	
35.2' 12.2'	40.2'	5'	0.23		1.15	
40.2' 13.8'	45.2'	5'	0.28		1.40	16.1' at 0.32% WO_3
45.2' 15.3'	50.2'	5'	0.34		1.70	
50.2'	56.3'	6.1'	0.34		2.07	

Line 21 (New Line 7) 160.' Feet
99954 98783.5
69.2 Feet. 46S--1216.5W
50°

I.S.G. Co-ords: 219,280·1 E / 564,249·7 N ; R.L. = 52·3 m

0	32.2	Sand
32.2	69.2	Massive coarse grained granite

(No samples taken)

Line 9 — 152.2 Feet

617 Feet — 99417-S 582.5S-255.5E

57°

17/9/1954

I.S.G. Co-ords: 219,700-3E/564,022-9N; R.L. = 49.7m.

0	35		Dump material
35	97.7		Sand and rubble
97.7	199.4		Olivine hornfels.
199.4	205.5		Aplite.
205.5	214.5		Olivine hornfels.
214.5	216.5		Aplite
216.5	218.9		Olivine hornfels with patches of phlogopite.
218.9	219.2		Aplite.
219.2	233.6		Olivine hornfels with patches of phlogopite.
233.6	234.1		Partly aplised olivine hornfels.
234.1	235.4		Aplite.
235.4	239.5		Calcite pyroxene hornfels, partly silicified.
239.5	241.0		Olivine hornfels, partly altered to pyroxene hornfels.
241.0	247.0		Olivine hornfels from 241 to 242.7 highly altered.
247.0	248.5		Calcite hornfels with bedding 60° to a of c.
248.5	249.0		Patches of pyroxene hornfels and garnet in calcite hornfels.
249	255.5		Olivine hornfels.
255.5	277.6		Calcite hornfels showing bedding in places at 60° to a of c.
277.6	281.3		Pyroxene calcite hornfels.
281.3	289.0		Actinolite biotite hornfels.
289.0	295.2		Interbedded biotite hornfels and pyroxene hornfels, Bedding 65° to a of c.
295.2	299.2		Aplite.
299.2	303.4		Thin bedded pyroxene hornfels, biotite hornfels.
303.4	338.0		Actinolite hornfels.
338.0	339.0		Aplite.
339.0	383.5		Actinolite biotite hornfels.
383.5	422.6	126.81	Pyroxene garnet hornfels.
422.6	425.9		Massive garnet pyroxene hornfels
425.9	454.0		Massive coarse grained garnet hornfels.
454.0	454.6		Med. grained garnet hornfels with minor bands of pyroxene hornfels.
454.6	455.9		Pyroxene hornfels with patches of grossular garnet.

455.9	462.3	Altered calcite hornfels rotten in appearance.
462.3	471.5	Massive biotite hornfels from 470 to 471.5', vuggy, altered with areas of calcite containing angular pieces of biotite hornfels to ¼" wide.
471.5	472.0	Pyroxene hornfels.
472.0	472.6	Calcite hornfels.
472.6	476.7	Pyroxene hornfels with bands and patches of garnet hornfels and calcite hornfels.
476.7	483.2	Massive biotite hornfels with minor pyroxene hornfels.
483.2	485.5	Spotted calcite hornfels with bedding at 55° to a of c.
485.5	490.5	Interbedded med. grained pyroxene calcite garnet hornfels, garnet hornfels and thin bands of pyroxene hornfels.
490.5	499.6	Med. grained to coarse grained pyroxene calcite garnet hornfels.
499.6	501.1	Spotted greyish calcite hornfels
501.1	502.2	Biotite hornfels, slightly altered, broken.
502.2	503.7	Fine grained light greenish pyroxene calcite hornfels.
503.7	507.0	Coarse grained pyroxene calcite hornfels from 506.5 to 507' patches of chalcopyrite.
507.0	512.5	Fine grained to coarse grained pyroxene calcite garnet hornfels
512.5	513.1	Fine grained pyroxene hofnfels.
513.1	534.6	Coarse grained pyroxene calcite garnet hornfels with bands of med. grained to fine grained garnet hornfels and pyroxene hornfels, bedding at 30° to a of c.
534.6	535.3	Coarse grained pyroxene calcite hornfels with irregular patches of chalcopyrite and pyhrrotite.
535.3	535.7	Fine grained garnet hornfels
535.7	536.3	Fine grained biotite hornfels
536.3	538.6	Calcite hornfels with minor bands of pyroxene hornfels and patches of grossular garnet.
538.6	539.7	Med. grained garnet hornfels.
539.7	541.6	Interbedded med. grained pyroxene hornfels, biotite hornfels.
541.6	545.5	Coarse grained garnet hornfels with a few minor bands of med. grained garnet pyroxene hornfels.

545.5	552.8		Coarse grained calcite pyroxene hornfels with numerous patches of pyhrrotite and chalcopyrite up to ½" diam.
552.8	555.8		Med. grained to coarse grained garnet hornfels showing bedding at 45° to a of c.
555.8	556.4		Fine grained pyroxene hornfels with bedding at 45° to a of c.
556.4	556.8		Coarse grained pyroxene calcite hornfels.
556.8	574.5		Med. grained garnet hornfels with minor bands of pyroxene hornfels up to 2" wide of
574.5	584.6		Thin bedded pyroxene hornfels actinolite hornfels with minor bands of garnet hornfels.
584.6	586.8		Thin bedded pyroxene hornfels actinolite hornfels with bedding at 60° to a of c. A
586.8	588.7		Aplite free of biotite.
588.7	594.8		Thin bedded pyroxene hornfels, actinolite hornfels, biotite hornfels.
594.8	596.6		Mainly biotite hornfels, highly broken.
596.6	606.5		Aplite rich in biotite.
606.5	608.7	9	Pyroxene calcite hornfels with numerous dark greenish crystals up to 2 mms in length.
608.7	617.0		Light greyish fine grained quartz hornfels.

(Assays Separate File)

DIAMOND DRILL HOLE NO. 130

LOCATION:	No. 1 Orebody, Line 9
CO-ORDINATES:	582.5S, 255.5E
R.L.:	152.2 Feet +10.81
DATE COMMENCED:	17th September, 1954
DATE COMPLETED:	-
FINAL DEPTH:	617 Feet
DATE SURVEYED:	-
LOGGED BY:	-

RELOCCED AFTER '68 '69

I.S.G. Co-ords: 219,700.3E
564,022.9N
R.L. = 49.7m

	TO	LENGTH SAMPLED	DEPTH [illegible]	WO_3	Mo
0	35	35	0		
35	97.7	62.7	0		
97.7	247	149.3	149.3		
247	249	2	2		
249	255.5	6.5	6.5		
247	257	10	10	0.20	
255.5	277.6	22.1	22.1		
257.0	267.1	10.0	10.0	0.05	
267.0	278.6	11.6	11.6	0.08	
277.6	281.3	3.7	3.7		
278.6	279.5	0.9	0.9	0.26	
281.3	289.0	7.7	7.7		
279.5	289.5	10.0	10.0	0.08	
289.0	303.4	14.4	14.4		
289.5	302.7	13.2	13.2	0.11	
303.4	383.5	80.1	80.1		
383.5	422.6	39.1	39.1		
383.5	393.5	10.0	10.0	0.08	
393.5	403.5	10.0	10.0	0.08	
403.5	413.5	10.0	10.0	0.11	
413.5	422.8	9.3	9.3	0.18	
422.6	425.9	3.3	3.3		
422.8	427.8	5	5	0.08	
425.9	454.6	28.7	28.7		

	GEOLOGICAL DESCRIPTION
	Rubble
	Sand and Rubble
OLIVINE HORNFELS 97.7 to 247	OLIVINE HORNFELS - patches of plogopite. From 235.4 to 239.5 calcite pyroxene hornfels occurs. There is alteration of the olivine rock from 239.5 to 241. Aplites from 199.4 to 205.5, 214.5 to 216.5 218.8 to 219.2, 234.1 to 235.4 From 241 the rock is highly altered.
CALCITE HORNFELS 7 - 249	CALCITE HORNFELS, bedding at 60° to angle of core, patches of pyroxene and garnet occur in the rock.
OLIVINE HORNFELS 249 - 257	OLIVINE HORNFELS
CALCITE HORNFELS 255.5 - 277.6	CALCITE HORNFELS, minor bedding at 69° to angle of core. Minor scheelite.
PYROXENE CALCITE HORNFELS 277.6 - 281.3	PYROXENE CALCITE HORNFELS
ACTINOLITE/ BIOTITE HORNFELS 281.3-289	ACTINOLITE/BIOTITE HORNFELS
BIOTITE/PYROXENE HORNFELS 289.0 - 303.4	BIOTITE/PYROXENE HORNFELS, interbedded with bedding at 65° to angle of core.
ACTINOLITE/ BIOTITE HORNFELS 303.4 - 383.5	ACTINOLITE/BIOTITE HORNFELS, Aplite from 338 to 339.
PYROXENE/GARNET HORNFELS 383.5 - 422.6	PYROXENE/GARNET HORNFELS
GARNET/PYROXENE HORNFELS 422.6- 425.9	GARNET/PYROXENE HORNFELS
GARNET HORNFELS	GARNET HORNFELS, coarse grained with minor bands of pyroxene.

		LENGTH SAMPLED	LENGTH REC'D.	WO_3	Mo
428.8	432.8	5.0	5.0	0.17	
432.8	437.8	5.0	5.0	0.10	
437.8	442.8	5.0	5.0	0.16	
442.8	447.8	5.0	5.0	0.17	
447.8	452.8	5.0	5.0	(0.02	
454.6	455.9	1.3	1.3		
455.9	462.3	6.4	6.4		
451.8	457.8	5.0	5.0	(0.05	
457.8	462.8	5.0	5.0	(0.05	
462.3	471.5	9.2	9.2		
462.8	467.8	5.0	5.0		
467.8	472.8	5.0	5.0		
471.5	472.0	0.5	0.5		
472.0	472.6	0.6	0.6		
472.6	490.5	17.9	17.9		
472.8	477.8	5.0	5.0	(0.05	
477.8	482.8	5.0	5.0	0.18	
482.8	487.8	5.0	5.0	0.12	
487.8	492.8	5.0	5.0	0.44	
490.5	499.6	9.1	9.1		
492.8	497.8	5.0	5.0	0.62	
497.8	502.8	5.0	5.0	0.49	
499.6	501.1	1.5	1.5		
501.1	502.2	1.1	1.1		
502.2	535.3	33.1	33.1		
502.8	507.8	5.0	5.0	0.83	
507.8	512.8	5.0	5.0	0.61	
512.8	517.8	5.0	5.0	0.29	
517.8	522.8	5.0	5.0	0.58	
522.8	527.8	5.0	5.0	1.00	
527.8	532.8	5.0	5.0	0.34	
532.8	537.8	5.0	5.0	0.16	

PYROXENE HORNFELS 454.6 - 455.9	PYROXENE HORNFELS, with patches of grossular garnet.
CALCITE HORNFELS 455.9 - 462.3	CALCITE HORNFELS highly altered and broken
BIOTITE HORNFELS 462.3 - 471.5	BIOTITE HORNFELS, massive but puggy and altered with areas of calcite containing angular biotite hornfels fragments.
	PYROXENE HORNFELS
	CALCITE HORNFELS
PYROXENE/CALCITE HORNFELS 472.6 - 490.5	PYROXENE/CALCITE HORNFELS, patches and bands of garnet and biotite. Bedding at 55° to angle of core.
PYROXENE/CALCITE GARNET HORNFELS 490.5 - 499.6	PYROXENE/CALCITE/GARNET HORNFELS - interbedded medium grained rock thinly banded.
CALCITE HORNFELS	CALCITE HORNFELS, spotted greyish rock
BIOTITE HORNFELS	BIOTITE HORNFELS, slightly altered and broken rock.
PYROXENE/CALCITE HORNFELS 502.2-535.3	PYROXENE/CALCITE HORNFELS, fine grained greenish rock with abundant sulphides particularly chalcopyrite and pyrrhotite. Bands of garnet and pyroxene are common.

		LENGTH SAMPLED	LENGTH REC'D	WO_3	Mo
535.3	535.7	0.4	0.4		
535.7	536.3	0.6	0.6		
536.3	538.6	2.3	2.3		
538.6	539.7	1.1	1.1		
539.7	541.6	1.9	1.9		
541.6	545.5	3.9	3.9		
537.8	542.8	5.0	5.0	0.28	
542.8	547.8	5.0	5.0	0.26	
545.5	552.8	7.3	7.3		
547.8	552.8	5.0	5.0	0.32	
552.8	574.5	11.7	11.7		
552.8	557.8	5.0	5.0	0.14	
557.8	562.8	5.0	5.0	0.42	
562.8	567.8	5.0	5.0	0.35	
567.8	572.8	5.0	5.0	0.15	
574.5	596.6	22.1	22.1		
572.8	577.8	5.0	5.0	0.19	
577.8	582.8	5.0	5.0	0.07	
582.8	587.4	4.6	4.6	0.10	
596.6	606.5	9.9	9.9		
606.5	608.7	2.2	2.2		
608.7	617.0	8.3	8.3		

DRILL HOLE No. 130

	GEOLOGICAL DESCRIPTION
GARNET HORNFELS 535.3 - 535.7	GARNET HORNFELS, fine grained.
BIOTITE HORNFELS 535.7 - 536.3	BIOTITE HORNFELS, fine grained.
CALCITE HORNFELS 536.3 - 538.6	CALCITE HORNFELS, with minor bands of pyroxene and patches of grossular garnet.
GARNET HORNFELS 538.6 - 539.7	GARNET HORNFELS, medium grained.
PYROXENE/BIOTITE HORNFELS 539.7-541.6	PYROXENE/BIOTITE HORNFELS, interbedded medium grained rock.
GARNET HORNFELS 541.6 - 545.5	GARNET HORNFELS, coarse grained with minor bands of medium grained garnet-pyroxene hornfels.
CALCITE/PYROXENE HORNFELS 545.5-552.8	CALCITE/PYROXENE HORNFELS, coarse grained rock with numerous patches of pyhrrotite and chalcopyrite up to 1/8" diam.
GARNET HORNFELS 552.8 - 574.5	GARNET HORNFELS, medium grained to coarse grained showing some bedding at 45° to angle of core. In the lower section pyroxene hornfels bands 2" wide are common.
BIOTITE/PYROXENE HORNFELS 574.5 - 596.6	BIOTITE/PYROXENE HORNFELS, fine grained bedded rocks with minor bands of garnet rock. Aplite from 586.8' to 588.7'.
APLITE 596.6' - 606.5	APLITE, rich in biotite.
PYROXENE CALCITE HORNFELS 606.5 - 608.7	PYROXENE CALCITE HORNFELS, more numerous dark crystals up to 2 mm in length.
HORNFELS 608.7-617.0	HORNFELS, light greenish fine grained quartz hornfels.
	HOLE COMPLETED 617 FEET

DIAMOND DRILL HOLE 130

Line 9 - Open Cut, 582.5S, 255.5E, 752.2R.L.

Logged By:

SAMPLES	FOOTAGES			ASSAY		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	15.3						
	247.0'	257.0'	10.0'	0.20		2.00	
	78.3 257.0'	267.0'	10.0'	0.05		0.50	
	81.4 267.0'	278.6'	11.6'	0.08		0.93	
	84.9 278.6'	279.5'	0.9'	0.26		0.23	0.9' at 0.26% WO_3
	279.5'	289.5'	10.0'	0.08		0.80	
	289.5'	302.7'	13.2'	0.11		1.45	
Pgh	116.9						
	383.5'	393.5'	10.0'	0.08		0.80	
	119.9 393.5'	403.5'	10.0'	0.08		0.80	
	123.0 403.5'	413.5'	10.0'	0.11		1.10	
	126.0 413.5'	422.8'	9.3'	0.18		1.67	
	128.9 422.8'	427.8'	5.0'	0.08		0.40	
	130.4 427.8'	432.8'	5.0'	0.17		0.85	
	131.9 432.8'	437.8'	5.0'	0.10		0.50	
	133.4 437.8'	442.8'	5.0'	0.16		0.80	
	135.0 442.8'	447.8'	5.0'	0.17		0.85	
	136.5 447.8'	452.8'	5.0'	< 0.05		-	
	138.0 452.8'	457.8'	5.0'	< 0.05		-	
	139.5 457.8'	462.8'	5.0'	< 0.05		-	
	141.1 462.8'	467.8'	5.0'	< 0.05		-	
	142.6 467.8'	472.8'	5.0'	< 0.05		-	
	144.1 472.8'	477.8'	5.0'	< 0.05		-	
	145.6 477.8'	482.8'	5.0'	0.18		0.90	
	147.1 482.8'	487.8'	5.0'	0.12		0.60	
	148.7 487.8'	492.8'	5.0'	0.44		2.20	
	150.2 492.8'	497.8'	5.0'	0.62		3.10	
	151.7 497.8'	502.8'	5.0'	0.49		2.45	
	153.2 502.8'	507.8'	5.0'	0.83		4.15	
	154.8 507.8'	512.8'	5.0'	0.61		3.05	
	156.3 512.8'	517.8'	5.0'	0.29		1.45	
	157.8 517.8'	522.8'	5.0'	0.58		2.90	
	159.3 522.8'	527.8'	5.0'	1.00		5.00	80' at
	160.9 527.8'	532.8'	5.0'	0.34		1.70	0.45% WO_3
	162.4 532.8'	537.8'	5.0'	0.16		0.80	
	163.9 537.8'	542.8'	5.0'	0.28		1.40	
	165.4 542.8'	547.8'	5.0'	0.26		1.30	
	167.0 547.8'	552.8'	5.0'	0.32		1.60	
	168.5 552.8'	557.8'	5.0'	0.14		0.70	

DIAMOND DRILL HOLE

Line 9 - Open Cut

Logged By:

SAMPLE	FOOTAGES			ASSAY		L. X A	REMARKS
	From	To	Length	WO_3	Mo		
	557.8'	562.8'	5.0'	0.42		2.10	
	562.8'	567.8'	5.0'	0.35		1.75	
	567.8'	572.8'	5.0'	0.15		0.75	
	572.8'	577.8'	5.0'	0.19		0.95	
	577.8'	582.8'	5.0'	0.07		0.35	
	582.8'	587.4'	4.6'	0.10		0.46	

DDH 130.
1:500

564,100N

564,050N

2197200E
(Setton Line)

2197000E

DDH 130

80'

80'(24.4m) down hole.

49.6
R.L

00 RL

LOOKING N LINE 9

ISG SECTION
LOOKING E.

SECTION IN
PLANE OF HOLE

GAF A3 5mm

Line 10

564.5 Feet,

60°

159.6 Feet

99516.2

483.8S-129.0E

51.94m.

I.S.G. Co-ords: 219,666.5E/564,058.2N ; R.L. = 51.9 m

0	101	Sand
01	118	Olivine Hornfels
18	119.2	Fine grained pyroxene hornfels with patches of garnet pyroxene hornfels with specks of scheelite.
19.2	121	Coarse grained pyroxene calcite hornfels with patches of coarse scheelite
21	121.6	Coarse grained pyroxene garnet calcite hornfles with patches of coarse scheelite and pyrrhotite.
21.6	125.5	Med. grained olivine hornfels spotted in places with blackish spots 1/16" dia.
25.5	127.8	Fine grained to med. grained pyroxene garnet calcite hornfels with specks of scheelite.
27.8	132.8	Calcite hornfels.
32.8	135.1	Pale greenish pyroxene hornfels with patches of garnet pyroxene calcite hornfels with specks of scheelite, veinlets of pyrrhotite and pyrite along fractures.
35.1	140.6	Aplite.
40.6	150.0	Mainly olivine hornfels
50.0	161.5	Med. grained to coarse grained pyroxene hornfels with patches of calcite hornfels and garnet. Specks, blobs of scheelite.
61.5	162.8	Olivine hornfels with phlogopite.
62.8	183.6	Pale greenish pyroxene calcite hornfels with specks of scheelite.
83.6	186.2	Calcite hornfels.
86.2	187.0	Aplite fragments.
87.0	190.6	Spotted calcite hornfels showing thin bedding at 70° to a of c.
90.6	192.0	Altered pyroxene hornfels with veinlets of calcite, minor patches of garnet, specks of scheelite.
92.0	205.0	Biotite hornfels with minor bands of grossular garnet and pyroxene hornfels.
05.0	206.5	Aplite.
06.5	208.5	Fine grained biotite hornfels.
08.5	209.2	Aplite
09.2	211.4	Biotite hornfels.
11.4	211.8	Aplite
11.8	212.5	Mainly actinolite hornfels.
12.5	217.3	Biotite anthophylite hornfels needle like crystals average 1 mm length.

217.3	221.0	Biotite cordierite hornfels spotted with blackish spots up to 5 mm diam.
221.0	225.0	Fine grained biotite cordierite anthophylite hornfels.
225.0	233.7	Fine grained biotite cord. hornfels shows bedding, crumpled in places.
233.7	237.3	Biotite Cord. hornfels with scattered patches of calcite up to 2 cm diam. with halves of grossular garnet, and epidote.
237.3	250.2	Fine grained biotite hornfels from 246 - 247.3' vuggy, altered.
250.2	257.6	Thinly bedded fine grained biotite hornfels, actinolite hornfels.
257.6	259.5	Aplite.
259.5	282.8	Actinolite biotite hornfels.
282.8	284.1	Aplite.
284.1	319.5	Actinolite biotite hornfels.
319.5	323.2	Med. grained actinolite hornfels.
323.2	332.0	Actinolite biotite hornfels.
332.0	390.0	Pyroxene garnet hornfels.
390.0	398.3	Massive coarse grained garnet pyroxene hornfels.
398.3	412.3	Massive coarse grained pyroxene calcite garnet hornfels.
412.3	417.1	Fine grained grossular garnet hornfels.
417.1	420.9	Greenish grey pyroxene hornfels with patches of grossular garnet.
420.9	421.8	Fine grained biotite hornfels.
421.8	424.2	Calcite hornfels.
424.2	426.4	Fine grained biotite hornfels.
426.4	427.1	Coarse grained pyroxene calcite garnet hornfels.
427.1	428.2	Calcite hornfels.
428.2	428.7	Fine grained pyroxene hornfels.
428.7	434.2	Interbedded pyroxene calcite hornfels and pyroxene hornfels.
434.2	440.0	Coarse grained pyroxene calcite garnet hornfels.
440.0	442.2	Pyroxene calcite hornfels.
442.2	446.0	Interbedded biotite hornfels, pyroxene hornfels, calcite hornfels, pyroxene calcite hornfels.
446.0	450.2	Calcite hornfels.

450.2	451.1	Fine grained biotite hornfels with minor bands of pyroxene hornfels, grossular garnet.
451.1	454.3	Calcite hornfels with minor bands of biotite hornfels and grossular garnet. Patches of grossular garnet up to 1/8" diam. Scattered throughout.
454.3	458.5	Interbedded biotite hornfels and pyroxene calcite hornfels.
458.5	459.5	Calcite hornfels with minor bands of grossular garnet.
459.5	460.3	Interbedded pyroxene hornfels, biotite hornfels, calcite hornfels and grossular garnet.
460.3	465.3	Coarse grained pyroxene calcite hornfels with minor bands of fine grained biotite hornfels up to 2" wide.
465.3	466.8	Interbedded fine grained biotite hornfels, pyroxene hornfels, pyroxene calcite hornfels and grossular garnet.
466.8	468.3	Mainly pyroxene calcite hornfels.
468.3	471.0	Interbedded pyroxene calcite hornfels, biotite hornfels, pyroxene hornfels, grossular garnet bands.
471.0	475.5	Pyroxene calcite garnet hornfels.
475.5	481.8	Fine grained pyroxene hornfels with areas of grossular garnet.
481.8	482.5	Garnet hornfels.
482.5	486.5	Fine grained pyroxene hornfels with patches and bands of garnet hornfels.
486.5	487.0	Garnet hornfels.
487.0	497.5	Interbedded pyroxene hornfels, garnet hornfels.
497.5	519.7	Garnet pyroxene hornfels with minor bands of thin bedded pyroxene hornfels, biotite hornfels.
519.7	524.9	Thin bedded pyroxene hornfels, biotite hornfels.
524.9	527.4	Calcite garnet hornfels (Gross.)
527.4	534.6	Thin bedded pyroxene hornfels
534.6	537.3	Interbedded garnet pyroxene hornfels and thin bedded pyroxene hornfels, biotite hornfels.
537.3	544.3	Massive biotite hornfels.
544.3	550.2	Interbedded calcite hornfels, garnet hornfels, thin bedded pyroxene hornfels, biotite hornfels.

550.2	561.0	Thin bedded pyroxene hornfels biotite hornfels with minor bands of garnet hornfels, calcite hornfels.
561.0	564.5	Highly altered sheared greenish rock.

(Assays Separate File(

Line 10 - Open Cut

118.0'	121.6'	3.6'	4.1'		14.76	60.7' at 0.58% WO_3
121.6'	125.3'	3.7'	<0.05		0.18	
125.3'	128.0'	2.7'	1.10		2.97	
128.0'	138.0'	10.0'	0.05		0.50	
138.0'	149.7'	11.7'	0.07		0.82	
149.7'	154.7'	5.0'	1.10		5.50	
154.7'	160.8'	6.1'	0.43		2.62	
160.8'	168.7'	7.9'	0.07		0.55	18.5m @ 0.58%
168.7'	172.7'	5.0'	1.10		5.50	
173.7'	178.7'	5.0'	0.41		2.05	
178.7'	183.7'	5.0'	0.13		0.65	
183.7'	189.4'	5.7'	0.22		1.25	
189.4'	198.8'	9.4'	0.05		0.47	
198.8'	208.2'	9.4'	0.05		0.47	
332.0'	342.0'	10.0'	<0.05		-	
342.0'	352.0'	10.0'	0.35		3.50	3.05m 10' @ 0.35% WO_3
352.0'	362.0'	10.0'	0.06		0.60	
362.0'	372.0'	10.0'	0.17		1.70	
372.0'	382.0'	10.0'	0.10		1.00	
382.0'	390.0'	8.0'	<0.05		-	
390.0'	400.4'	10.4'	<0.05		-	
400.4'	407.5'	7.1'	0.95		6.74	4.3m 7' @ 0.95
407.5'	414.6'	7.1'	0.32		2.27	
414.6'	420.6'	6.0'	0.07		0.42	
420.6'	426.6'	6.0'	<0.05		-	
426.6'	431.9'	5.3'	0.28		1.48	1.6m 0.78% 10.7' at 0.53% WO_3
431.9'	437.3'	5.4'	0.78		4.21	
437.3'	445.2'	7.9'	<0.05		-	
445.2'	453.1'	7.9'	<0.05		-	
453.1'	461.0'	7.9'	<0.05		-	
461.0'	468.3'	7.3'	0.18		1.39	
468.3'	475.5'	7.2'	0.37		2.66	50.7' at 0.26% WO_3
475.5'	487.7'	12.2'	0.06	8.7m @ 0.32%	0.73	
487.7'	492.3'	4.6'	0.81		3.72	
492.3'	496.8'	4.5'	0.46		2.07	
496.8'	502.8'	5.4'	<0.05		-	

128

Line 10 - Open Cut

502.2'	507.7'	5.5'	0.34	1.87
507.7'	513.3'	5.6'	0.10	0.56
513.3'	519.0'	5.7'	0.30	1.71
519.0'	526.8'	7.8'	<0.05	-
526.8'	534.6'	7.8'	<0.05	-
534.6'	537.5'	2.9'	0.49	1.42
537.5'	549.5'	12.0'	<0.05	-
549.5'	561.5'	12.0'	<0.05	-

DDH 128
1:500

544 100 N

544 050 N

219 700 E

219 680 E
(Section Line)

DDH 128

DDH 129

RL = 51.94 m

45°

-5°

ISG SECTION

SECTION IN
PLANE OF HOLE

New Line 13 — 25.8 Feet

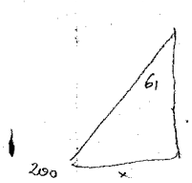
735.1 Feet — 826.0S-781.8E

61°

I.S.G Co-ords: 219,848·3 E / 563,926·2 N R.L. = 11·2m

0	30.5	Sand
30.5	31.3	Aplite
31.3	54.0	Olivine hornfels.
54.0	57.9	Aplite
57.9	58.2	Olivine hornfels.
58.2	99.8	Aplite.
99.8	173.5	Olivine hornfels.
73.5	192.1	Aplite.
92.	314.5	Olivine hornfels.
4.5	318.0	Olivine hornfels with patches of phlogopite.
18.0	320.8	Pyroxene biotite hornfels with irregular patches of pyroxene hornfels, biotite hornfels, some with sharp boundaries.
30.8	360.7	Biotite cordicrite anthophylite hornfels, fine grained to coarse grained.
60.7	373.7	Fine grained biotite hornfels.
73.7	379.6	Olivine hornfels
79.6	382.0	Fine grained cordicrite biotite hornfels.
82.0	284.6	Biotite hornfels.
4	385.5	Aplite
85.5	401.5	Biotite hornfels.
01.5	403.5	Biotite cordicrite hornfels with whitish spots of cordicrite up to 1/8" diam.
03.5	433.0	Fine grained biotite hornfels.
33.0	437.6	up volcs Coarse grained olivine hornfels.
37.6	442.7	Fine grained biotite hornfels.
42.7	452.0	Fine grained biotite hornfels.
52.0	483.0	Fine grained biotite cordicrite hornfels, with blackish spots up to 1/8" diam. around cleavages.
83.0	484.5	Aplite.
4.5	491.3	Med. grained pyroxene hornfels with patches of phlorgopite.
91.3	492.0	Aplite.
92.0	505.2	Med. grained pyroxene hornfels.
05.2	511.7	Fine grained biotite hornfels.
11.7	511.9	Grossular garnet band
1.9	519.7	Fine grained biotite hornfels.
9.7	525.2	Med. grained to coarse grained pyroxene hornfels.

			Description
525.2	532.7		Fine grained biotite hornfels.
532.7	537.7		Coarse grained biotite pyroxene hornfels.
537.7	539.5		Aplite.
539.5	554.3		Pyroxene hornfels with clots of biotite up to 1/8" diam.
554.3	568.0	566	Med. grained pyroxene hornfels with minor clots of biotite hornfels.
		576'1 - 578 12" CLOSE	
568.0	578.0	B LENS	Pyroxene hornfels with patches of grossular garnet and minor calcite
578.0	579.0		Pyroxene calcite hornfels.
579.0	618.9		Fine grained biotite hornfels.
618.9	622.1		Pyroxene hornfels with areas of calcite up to 2" diam with grossular garnet.
622.1	639.0		Garnet pyroxene hornfels with irregular areas of pyroxene hornfels, garnet mainly andradite with specks of scheelite.
639.0	662.4		Thin bedded pyroxene hornfels, biotite hornfels, bedding 55° to a of c.
662.4	697.6	695	Thin bedded pyroxene hornfels, biotite hornfels with bands of calcite and grossular garnet up to 1" wide. Four specks of scheelite at 679.3 and 688.5'.
697.6	735.1		Massive olivine hornfels.
			(Assays Separate File)



105 - 107'6 BROKEN CORE
151'3 - 151'6 " "
172'0 - 173'6 " "
193'3 - 201'0 " "
216 - 218 " "
218 - 219 slg shear
246'3 - 250'3 BROKEN 2' CORE LOSS
339 - 341'2 SHEAR? 1'2" CORE LOSS
358 - 361 BROKEN 2' CORE LOSS
385'3 - 389'6 " 2'9" " "
411 - 415'2" " 2'6" " "

571'6 - 574'0 1'0 CORE LOSS
574'0 - 576'1 OK
576'1 - 578'6 1'0 CORE LOSS
578'6 - 584'0 2'0 CORE LOSS
584'0 - 591'7 OK

604'0 - 605'4 BROKEN CORE
706'3 - 715'0 BROKEN CORE & SHEARING
723'0 - 724'6 BROKEN GROUND
728'0 - 729' STRONG SHEAR
733 - 735'6 STRONG SHEAR AND CORE LOSS.

Jerry F Potter
JAN '80

Line 5.

Logged By:

Footage		Length	Assay WO_3	Assay Mo		
172-3						
567'	585.9'	18.9'	0.05			
175.6						
585.9'	604.8'	18.9'	0.05			
184.4						
604.9'	621.1'	18.9'	0.05			
189.3						
621.1'	625.5'	4.4'	0.32		1.41	16.4' at 0.32% WO_3
160.7						
625.5'	629.5'	4.0'	0.34		1.36	
141.9						
629.5'	633.5'	4.0'	0.30		1.20	
193.1						
633.5'	637.5'	4.0'	0.36		1.44	5.0m 0.33%
174.3						
637.5'	657.5'	20.0'	0.05			
255.11						
657.5'	677.5'	20.0	0.05			
206.5	212.6					
677.5'	698.4'	20.9'	0.06			

DDH 126

1:500

219,000 E

SECTION 219880 E

-64,000N

20m

-25°

20m of S.

200'

SECTION 219840 E

CORE LOSS

20m of SECTION

upper volcs

uvolcs ?

up volcs.

bk

ph.

ph?

bk/ch

gph

bk/ph

Low volcs.

ISG SECTION
LOOKING E

Collar 11.46 R.L

200'

Down Hole Depth

@126

-22°

2'

2'9" CORE LOSS

2'6" CORE LOSS

gph

8 lenses

gph 5.0m, 0.33%

bk/ph

Nov '79

Potter

Line 7

791.5 Feet 24125

71°

73.6 Feet

9955[illegible]

446.55-557.9E

I.S.G. Co-ords: 219,797·5 E / 564,050·5 N ; R.L. = 25·7m

0	23.6		Actinolite hornfels
23.6	43.5		Aplite with traces of pyrite and molybdenite from 23.6 to 33.5, very poor recovery, core brecciated, altered.
43.5	105.0		Actinolite hornfels.
05.0	123.1		Olivine hornfels with biotite in irregular seams and patches.
23.1	130.1		Aplite with muscovite flakes 1 mm dia.
30.[illegible]	130.7		Quartz vein with incl. of actinolite hornfels.
30.7	139.7		Actinolite biotite hornfels.
39.7	141.8		Pyroxene calcite hornfels with traces of moly.
41.8	144.5		Sheared altered pyroxene calcite hornfels.
44.5	145.5		Fine grained pyroxene hornfels.
45.5	145.9		Fine grained biotite hornfels.
45.9	146.2		Fine grained pyroxene hornfels.
46.2	155.7		Med. grained olivine hornfels and tremolite hornfels, mottled in places.
55.7	162.0		Pyroxene calcite hornfels.
62.0	162.5	ch/ph	Calcite hornfels,
62.[illegible]	163.5		Pyroxene calcite hornfels.
63.5	165.1	bh	Fine grained biotite hornfels with minor patches of grossular garnet. Bedding 45° to a of c.
65.1	178.7	ph	Pyroxene calcite hornfels with occasional patches of grossularite minor bands of biotite hornfels up to 3" wide.
78.7	187.0	bh	Massive biotite hornfels with minor bands of pyroxene hornfels.
87.0	192.4		Pyroxene calcite hornfels with minor patches of biotite hornfels.
92.4	193.0	ch	Massive biotite hornfels.
93.0	209.7		Light greyish calcite hornfels with darker bands.
09.7	217.8		Massive biotite hornfels.
17.8	218.2	bh	Quartz vein.
18.2	218.5		Biotite hornfels.
18.5	222.3		Calcite pyroxene hornfels.
22.3	227.9		Garnet pyroxene hornfels.
27.9	229.3		Serpentised hornfels, light yellowish grey in colour.

From	To	Lengths Con.	Lengths Rec.	Description	Assay
229.3	231.6			Calcite hornfels (brecciated)	
231.6	239.7			Pyroxene hornfels with irregular areas of fine grained biotite hornfels.	
239.7	245.7			Fine grained biotite hornfels.	
245.7	256.3			Pyroxene garnet hornfels.	
256.3	261.3			Massive garnet hornfels.	
261.3	262.8			Med. grained pyroxene calcite hornfels.	
262.8	282.5			Massive garnet hornfels.	
282.5	285.7		gh	Garnet hornfels with minor banding pyroxene hornfels.	
285.7	287.7			Interbedded garnet hornfels, pyroxene hornfels, calcite hornfels, bedding at 55° to a of c.	
287.7	294.1			Calcite hornfels, dark greyish.	
294.1	294.3		ch	Aplite.	
294.3	295.4			Pyroxene hornfels with patches of grossular garnet, core sheared and broken.	
295.4	296.2			Fine grained massive biotite hornfels.	
296.2	296.6		bh/ph	Pyroxene hornfels.	
296.6	298.7			Biotite hornfels.	
298.7	299.9			Pyroxene hornfels with areas of grossular garnet.	
299.9	308.1		gph	Garnet hornfels with areas of pyroxene.	
308.1	311.0		ph	Pyroxene hornfels andbiotite hornfels in irregular areas.	
311.0	315.5			Interbedded pyroxene hornfels, biotite hornfels.	
315.5	316.6		gph	Garnet pyroxene hornfels with traces of pyrite.	
316.6	327.6			Thinly interbedded pyroxene hornfels, biotite hornfels, bedding 45° to a of c.	
327.6	331.0		bh/ph	Interbedded pyroxene hornfels, biotite hornfels.	
331.0	336.4			Fine grained massive biotite hornfels.	
336.4	345.4			Interbedded pyroxene hornfels, biotite hornfels.	
345.4	346.9			Garnet hornfels.	
346.9	347.5			Massive biotite hornfels.	
347.5	347.8			Garnet hornfels.	
347.8	348.7			Interbedded pyroxene hornfels, biotite hornfels.	

		Description
348.7	349.0	Garnet hornfels.
349.0	363.4	Interbedded pyroxene hornfels, biotite hornfels, bedding 65°.
363.4	374.0	Pyroxene calcite hornfels, coarse grained to fine grained in places.
374.0	379.3	Med. grained pyroxene hornfels grading to med grained to coarse grained olivine hornfels.
379.3	384.1	Dark greenish coarse grained olivine hornfels with dark blackish mottled appearance.
384.1	395.7	Fine grained massive tremolite hornfels.
395.7	486.5	Dark massive olivine hornfels.
486.5	487.5	Pyroxene calcite hornfels.
487.5	489.5	Calcite hornfels.
489.5	489.9	Pyroxene Calcite-hornfels.
489.9	494.0	Pyroxene hornfels with patches of biotite.
494	498.7	Spotted biotite hornfels.
498.7	502.3	Olivine hornfels.
502.3	502.6	Olivine hornfels, biotite hornfels.
502.6	503.6	Biotite quartzite.
503.6	504.1	Aplite
504.1	511.0	Biotite quartzite showing bedding at to a of c. 6' core lost.
511.0	512.0	Aplite.
512.0	535.3	Quartzite
535.3	353.7	Aplite
535.7	602.5	Quartzite
602.5	603.8	Aplite
603.8	632.7	Quartzite, minor veinlets of aplite.
632.7	634.7	Aplite.
634.7	647.0	Quartzite.
647.0	648.1	Aplite.
648.1	670.7	Quartzite.
670.7	673.8	Glassy quartz vein.
673.8	791.5	Aplite.

(Assays Separate File)

CENTRAL (N°9) FAULT SHOULD INTERSECT AT 530' - NO CORE IN CORE SHED

JP JAN '80

125

Line 7 - Open Cut

139.7'	149.7'	10.0'	0.27	2.70	
149.7'	159.7'	10.0'	0.05	0.50	59.8'
159.7'	169.7'	10.0'	0.59	5.90	0.33%
169.7'	178.2'	8.5'	0.78	6.63	
178.2'	189.5'	11.3'	0.09	1.01	
189.5'	199.5'	10.0'	0.31	3.10	
199.5'	209.5'	10.0'	0.07	0.70	
209.5'	219.5'	9.7'	0.08	0.77	
219.2'	226.9'	7.7'	0.60	0.46	
226.9'	236.9'	10.0'	0.05	0.50	
236.9'	245.7'	8.8'	<0.05	-	
245.7'	256.3'	10.6'	0.06	0.63	
256.3'	263.3'	6.7'	0.17	1.13	
263.0'	268.0'	5.0'	2.15	10.75	17.7' at 1.42% WO
268.0'	274.8'	6.8'	1.67	11.35	
274.8'	280.7'	5.9'	0.50	2.95	
280.7'	286.6'	5.9'	0.22	1.29	
286.6'	296.6'	10.0'	0.05	0.50	
296.6'	306.6'	10.0'	0.14	1.40	
306.6'	316.6'	10.0'	0.05	0.50	
316.6'	326.6'	10.0'	0.05	0.50	
326.6'	336.6'	10.0'	0.05	0.50	
336.6'	346.6'	10.0'	0.05	0.50	
346.6'	356.6'	10.0'	0.12	1.20	
356.6'	366.6'	10.0'	1.03	10.30	17.4' at 0.80% W
366.6'	374.0'	7.4'	0.48	3.55	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **125 (Reassay September, 1972.**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1415	260	264	4	0.67			
6	264	268	4	1.98			
7	268	272	4	2.15	2.21		20' at 1.31% WO_3
8	272	276	4	1.06			
B 1419	276	280	4	0.68			

DDH 125
1:500.

219800 E
(Section Line)

564100N

564050N

DDH 125

DDH 125

RL = 25·23 m

S

D

UV

A

Ph/ch

bh/ph

Ph/ch

bh

ph/gh

bh

ph/ch

bh

ch

Pgh

ch

ph

bh

Pgh

gh

ch

bh/ph

gph

gph

Pch

Pch

Sig. 1:422

Sig. 0.88 g

UV

UV

Pch

Ph

9

9

ISG SECTION

535' ( ) hole depth.

791·5' (241·25 m)

SECTION IN PLANE OF HOLE

GAF A3

Line 19 (New Line 20)

153 Feet

50°

8/3/1954

Elevation 168.4 Feet

Co-Ords. 99910 90.0S-950.8W 99049.2

Bearing -

Date Completed 15/3/1954

I.S.G. Co-ords: 219,358·3 E / 564,224·7 N ; R.L. = 54·6 m

0	60	19·8·3	Sand
60	65.3	19·9	Oxidised garnet hornfels
65.3	67.0	20·4	Massive actinolite hornfels.
67.0	68.0	20·7	Garnet hornfels.
68.0	76.0	23·2	Highly oxidised actinolite hornfels.
76.0	78.9	24·0	Massive garnet hornfels (grossular garnet).
78.9	89.7	27·3	gl Massive garnet hornfels, from 80.5' oxidised vuggy.
89.7	96.2	29·3	Actinolite hornfels with bands of garnet hornfels, actinolite hornfels, then bedded in places at 95.6', bedding at 45° to a of c.
96.2	102.7	331·39	Massive garnet hornfels with bands of thin bedded actinolite hornfels, bfb pyroxene hornfels, at 100' bedding at 40° to a of c.
102.7	153.0	46·6	Massive biotite hornfels, no trace of bedding. Rubbly highly oxidised. bh At 111.8' few pieces of grossular garnet. At 117.5 small piece of calcite hornfels.

(Assays Separate File)

DIAMOND DRILL HOLE 123

Line 10 - Open Cut

Logged by

FOOTAGES			ASAY			REMARKS
From	To	Length	UO_3	Mo		
60'	67'	7'	0.05		0.35	
67'	72'	5'	0.21		1.05	
72'	79'	7'	0.09		0.63	
79'	84'	5'	0.22		1.10	
84'	89.5'	5.5'	0.23		1.26	
89.5'	97.2'	7.7'	0.05		0.38	
97.2'	102.7'	5.5'	0.17		0.93	

DIAMOND DRILL HOLE 122

Co-Ords. 11.2S, 1365.6 Open Cut

Logged By:

FOOTAGES			ASSAY		X	REMARKS
From	To	Length	WO_3	Mo		
13.8						
45.4' 15.0	49.2'	3.7'	0.20		0.74	
49.2' 16.8	55.3'	6.1'	0.61		3.72	12.1' at 0.63% WO_3
55.3'	61.4'	6.1'	2.63		16.04	
61.4' 22.5	73.9'	12.5'	0.05		-	
73.9' 26.3	86.3'	12.4'	0.06		0.74	
86.3' 27.5	90.1'	3.8'	7.35		7.93	3.8' at 7.35% WO_3
90.1'	95'	4.9'	0.11		0.53	

New Line 21

141 Feet

50°

165.0 Feet

99942.3 98933.5

57.7S-1066.5W

18/2/1954

22/2/1954

I.S.G. Co-ords: 219,324.8E /564,239.5N ; R.L. = 58.9 m

0	61	18.6	Sand and clay
61	64	19.5	Few fragments of aplite recovered.
64	91.7	28.0 (25.9)	Massive garnet hornfels, from 85 to 91.7', core oxidised, rubbly, poor recovery.
91.7	96.0	29.3	Massive actinolite hornfels.
96.0	116.8	35.6	Garnet pyroxene hornfels with minor thin bands of interbedded biotite hornfels and pyroxene hornfels, bedding 80° to a of c.
116.8	118.2	36.0	Thinly bedded biotite hornfels.
118.2	123.0	37.5	Mainly calcite hornfels with patches of grossularite.
123.0	134	40.8	Thinly bedded pyroxene hornfels, biotite hornfels, bedding 80° to a of c.
134	141	43.0	ap Aplite with patches rich in biotite.

(Assays Separate File)

DIAMOND DRILL HOLE 121

Line 20 - Open Cut

Logged By:

SAMPLES	FOOTAGES			ASSAY		E X T	REMARKS
	From	To	Length	WO_3	Mo		
	61' 19.8	65'	4'	2.14		8.56	4' at 2.14% WO_3
	65'	70'	5'	0.19		0.95	
	70'	77.3'	7.3'	0.23		1.67	
	77.3'	85'	7.7'	0.13		1.00	
	85' 28.8	94.4'	9.4'	0.22		2.06	
	94.4' 30.3	99.4'	5.0'	0.25		1.25	5' at 0.25% WO_3
	99.4'	104.4'	5.0'	0.15		0.75	
	104.4'	109.4'	5.0'	0.16		0.80	
	109.4'	116.8'	7.4'	0.18		1.33	

New Line 21
112 Feet
85°

165.9 Feet
59.7S-1066.5W
99940-3 98933-5

12/2/1954

17/2/1954

I.S.G. Co-ords: 219,824.7 E / 564,238.9 N ; R.L. - 53.9m

0	35	10.7	Sand
35	50	15.2	1.5' of dark blackish clay recovered.
50	72.7	22.2	Med. grained granite abundant biotite.
72.7	74.3	22.6	Med. grained granite poor in biotite.
74.3	74.8	22.8	Dark greyish in colour, abundant biotite.
74.8	94.7	28.9	Light greyish granite oxidised, weathered in appearance.
94.7	112	34.1	Light greyish fresh granite.

No Samples Taken.

Line 17 — 167 Feet

308 Feet — 2315-752.4W

99769 99247.6

50°

2/2/1954 — 10/2/1954

I.S.G Co-ords: 219,411.9 E / 564,173.4 N ; R.L. = 54.2 m

0	100	30.5	Sand
00	103	31.4	Actinolite hornfels and biotite hornfels
03	155	47.2	Med. grained granite.
55	165.5	50.4	Dark greyish green rock with fine grained pyroxene and pinkish feldspars, has brecciated appearance.
5.5	183.7	56.0	Med. grained granite.
3.7	184.3	56.2	Fine grained segregation with pinkish feldspars.
4.3	242.3	73.8	Med. grained granite.
2.3	250.0	76.2	Med. grained rock with greyish green areas of unreplaced actinolite hornfels ? Reddish brown felspars. Numerous small flakes of muscovite scattered throughout.
0.0	256.8	78.3	Med. grained granite.
6.8	257.7	78.6	Fine grained biotite hornfels showing slickensided surfaces at 60° to a of c.
7.7	293.5	89.5	Med. grained granite veinlets of " occur.
3.5	295.7	90.1	Fine grained biotite hornfels, actinolite biotite hornfels with mottled appearance due to segregation of biotite.
5.8	295.8	90.2	Grossular garnet at contact with aplite.
5.8	296.0	90.2	Fine grained aplite.
6.0	308.0	93.9	Biotite hornfels and actinolite biotite hornfels with bedding at 60° to a of c.

No Samples Taken

DIAMOND DRILL CORE RECORD

Line 17 — 171 Feet

211 Feet — 108.9S-730.9W (99891.1 99269.1)

500 —

20/1/1954 — 28/1/1954

L.S.G. Co-ords: 219,423.7 E / 564,209.3 N ; R.L. = 554m

From	To	Run	Rec.		
0	65	19.8			Sand and rubble
65	70	21.3			Few pieces of pyroxenegarnet h ornfels and aplite rec.
70	70.6	21.5			Aplite.
70.6	83.8	25.5			Pyroxene garnet hornfels.
83.8	84.4	25.7			Aplite
84.4	96.0	29.3			Pyroxene garnet hornfels.
96.0	100.0	30.5			Biotite hornfels.
100	107.2	32.7			Garnet pyroxene hornfels (grossular)
107.2	111.5	34.0			Garnet hornfels.
111.5	119.5	36.4			Massive garnet pyroxene hornfels (grossular)
119.5	121.8	37.1			Interbedded pyroxene hornfels, biotite hornfels, bedding 65° to a of c.
121.8	125.3	38.2			Pyroxene hornfels with patches of grossularite.
125.3	132.8	40.5			Garnet hornfels with bands of pyroxene calcite hornfels, bedding 80° to a of c.
132.8	140.2	42.7			Garnet hornfels with bands of pyroxene hornfels, biotite hornfels.
140.2	149.5	45.67			Thinly bedded pyroxene hornfels, biotite hornfels, with bands garnet hornfels, bedding 75° to a of c.
149.5	157.0	47.9		ΔΔ	Core highly brecciated, oxidised biotite hornfels. Fragments cemented with calcite.
157.0	157.3	47.9			Coarse grained actinolite hornfels.
157.3	161.0	49.1			Oxidised Garnet hornfels.
161.	161.2	49.1		ΔΔ	Brecciated biotite hornfels.
161.2	168.7	51.4			Interbedded garnet hornfels, pyroxene hornfels.
168.7	169.2	51.6			Pyroxene hornfels.
169.2	172.7	52.6			Biotite hornfels with minor bands of coarse grained calcite hornfels.
172.7	178.5	54.41		Δ	Interbedded pyroxene hornfels, biotite hornfels with minor bands of garnet hornfels. Core rubbly oxidised.
178.5	186.2	56.8		Δ	Interbedded pyroxene hornfels, biotite hornfels, core rubbly oxidised.
186.2	189.0	57.6		Δ	Biotite hornfels, garnet hornfels, highly oxidised, rubbly.
189.0	194.0	59.1		Δ	Rubbly, biotite hornfels.
194.0	196.2	59.8			Thinly bedded pyroxene hornfels, biotite hornfels, bedding 80° to a of c.
196.2	197.7	60.35			Oxidised garnet hornfels.

Interval From	Interval To	Length Feet	Length Metres	Description	Assay No.	Assay Ag
197.7	200.7	61.2		Thinly bedded pyroxene hornfels, biotite hornfels.		
200.7	206.6	63.0		Aplite.		
206.6	211.0	64.3		Thinly bedded pyroxene hornfels, biotite hornfels, bedding 70° to a of c.		
				(Assays Separate File)		

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Line 17 - Open Cut

Logged By:

From	To	Length	WO_3	No		
65.0'	75.0'	10.0'	0.19		1.90	
75.0'	85.0'	10.0'	0.25		2.50	36.5' at 0.81% WO_3
85.0'	95.0'	10.0'	0.23		2.30	
95.0'	107.2'	12.2'	0.88		10.73	
107.2'	111.5'	4.3'	3.28		14.10	
111.5'	118.4'	6.9'	0.13		0.89	
118.4'	125.3'	6.9'	0.08		0.55	
125.3'	132.8'	7.5'	0.06		0.45	
132.8'	140.2'	7.4'	0.07		0.51	
140.2'	149.5'	9.3'	0.05		-	
149.5'	157.3'	7.8'	0.05		0.39	
157.3'	164.5'	7.2'	0.05		0.36	
164.5'	168.7'	4.2'	0.87		3.65	4.2' at 0.87% WO_3
168.7'	178.7'	10.0'	0.05		-	
178.7'	188.7'	10.0'	0.05		-	

Line 17 — 166.8 Feet

121 Feet — 41.3N, 704.4W — 99295.6

49° —

15/1/1954 — 18/1/1954

I.S.G Co-ords: 219,438.4 E / 564,253.4 N; R.L = 54.1 m

0	5	1.5	Oxidised pyroxene garnet hornfels
5	10	3.0	Oxidised garnet hornfels
10	25.8	7.9	Massive coarse grained garnet hornfels showing traces of bedding at 30° to a of c.
25.8	29.2	8.9	Med. grained pyroxene hornfels with minor bands of grossular garnet.
29.2	33.0	10.1	Med. grained garnet hornfels.
33.0	36.2	11	Coarse grained pyroxene calcite hornfels with minor bands of pyroxene hornfels.
36.2	44.7	13.6	Interbedded pyroxene hornfels and grossular garnet bands up to 1.5" in length bedding at 30° to a of c.
44.7	48.2	14.7	Coarse grained massive pyroxene calcite hornfels.
48.2	49.2	15.0	Massive coarse grained garnet hornfels
49.2	52.3	15.9	Massive coarse grained pyroxene calcite hornfels.
52.3	53.9	16.4	Massive coarse grained garnet hornfels
53.9	56.8	17.3	Coarse grained pyroxene calcite hornfels with a few minor bands of fine grained pyroxene hornfels. Bedding at 68° to a of c.
56.8	59.8	18.2	Massive coarse grained garnet hornfels with minor bands of pyroxene galcite hornfels.
59.8	63.5	19.4	Thinly interbedded pyroxene hornfels and grossular garnet. Bedding 60° to a of c.
63.5	68.7	20.9	Interbedded garnet hornfels and pyroxene hornfels.
68.7	70.7	21.5	Coarse grained pyroxene calcite hornfels.
70.7	72.3	22.0	Interbedded pyroxene hornfels, actinolite hornfels, pyroxene calcite hornfels.
72.3	74.9	22.8	Coarse grained pyroxene calcite hornfels with bands of pyroxene hornfels.
74.9	77.1	23.5	Interbedded garnet hornfels, pyroxene hornfels, biotite hornfels.
77.1	78.5	23.9	Coarse grained pyroxene calcite hornfels with bands of pyroxene hornfels. Bedding 60° to a of c.
78.5	82.9	25.3	Coarse grained garnet hornfels with bands of pyroxene hornfels.
82.9	86.6	26.4	Massive coarse grained pyroxene calcite hornfels interbedded with pyroxene hornfels.

From	To	Description	Assay NC_3
86.6	88.3	Interbedded garnet hornfels and pyroxene hornfels.	
88.3	95.0	Thinly interbedded pyroxene hornfels and biotite hornfels with bedding 60° to a of c.	
95.0	95.5	Med. grained aplite.	
95.5	102.1	Thinly bedded biotite hornfels and pyroxene hornfels.	
102.1	108.5	Fine grained to med. grained aplite.	
108.5	109.2	Thinly bedded pyroxene hornfels biotite hornfels.	
109.2	111.2	Pyroxene hornfels with patches of calcite and reaction areas of grossular garnet.	
111.2	111.9	Thinly bedded pyroxene hornfels, biotite hornfels.	
111.9	117.3	Fine grained to med. grained aplite rich in biotite. Thin band of calcite at 114.9'.	
117.3	212.0	Thinly interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels with bedding at to a of c.	

(Assays Separate File)

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Line 17 - Open Cut

0 1.5	5.0'	5.0'	0.06		0.30
5.0' 3.0	10.0'	5.0'	0.47		2.35
10.0'	15.0'	5.0'	1.52		7.60
15.0' 4.6 6.1	20.0'	5.0'	0.72		3.60
20.0' 8.1	26.7'	6.7'	0.86		5.76
26.7' 9.8	32.2'	5.5'	0.42		2.31
32.2' 11.5	37.7'	5.5'	0.61		3.35
37.7'	43.2'	5.5'	0.14		0.77
43.2' 13.2 14.8	48.7'	5.5'	0.29		1.59
48.7' 16.5	54.2'	5.5'	0.35		1.92
54.2' 18.2	59.9'	5.7'	0.47		2.67
59.9' 20.9	68.6'	8.7'	0.14		1.21
68.6' 22.4	73.6'	5.0'	0.62		3.10
73.6' 23.9	78.6'	5.0'	0.19		0.95
78.6' 25.5	83.6'	5.0'	0.39		1.95
83.6'	88.3'	4.7'	0.44		2.06

83.3' at 0.49% WO_3

Line 15 + 80 — Elevation 138.8 Feet

240.5 Feet — Co-ords 14.5S-550.0W 99985S - 99450

50° — Bearing

5/1/1954 — Date Completed 27/1/1954

I.S.G. Co-ords: 219,482·5E / 564,229·8 N ; R.L = 45·6 m

		Description
0	25	Massive fine grained <u>actinolite hornfels</u>
25	31.5	Med. grained aplite.
31.5	42.5	Massive actinolite hornfels.
42.5	52.0	Aplite.
52.0	87.1	Massive actinolite hornfels.
87.1	90.3	Pyroxene garnet hornfels
90.3	98.9	Massive med. grained garnet hornfels.
98.9	99.7	Silicified pyroxene hornfels, bedding 60° to a of c.
99.	100.2	Massive biotite hornfels.
100.2	100.8	Interbedded pyroxene hornfels and garnet hornfels.
100.8	102.5	Massive med. grained garnet hornfels.
102.5	103.2	Massive calcite hornfels.
103.2	106.0	Fine grained pyroxene hornfels has silicified appearance.
106.0	107.8	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels, grossular garnet.
107.8	109.2	Pyroxene Hornfels with interbedded calcite hornfels with blackish bands from 113' to 113.4' altered calcite hornfels.
114.9	118.3	Interbedded pyroxene hornfels and garnet hornfels.
118.3	121.7	Massive garnet pyroxene hornfels (grossular).
121.7	146.3	Massive coarsee grained garnet hornfels with minor bands of pyroxene hornfels.
146.3	146.5	Clayey oxidised pyroxene hornfels ?
146.5	152.2	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels with patches of grossular garnet.
152.2	160.3	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels with irregular areas of garnet hornfels, no regular bedding developed.
160.3	162.5	Dense massive pyroxene hornfels.
162.5	165.5	Massive coarse grained actinolite hornfels.
165.5	166.2	Interbedded light greyish green pyroxene hornfels and grossular garnet.
166.2	169.1	Massive actinolite hornfels, biotite hornfels.
169.1	169.6	Garnet hornfels, mainly grossular.
169.6	171.5	Biotite hornfels with bands of garnet hornfels (andradite).

Footage		Length	Description	Assay
				WO_3
171.5	188		Massive garnet hornfels.	
183	208.5		Thinly interbedded pyroxene hornfels, biotite hornfels with bands of garnet hornfels and pyroxene calcite hornfels to 6" wide.	
208.5	212.0		Massive actinolite biotite hornfels.	
212.0	219.1		Thinly interbedded pyroxene hornfels, biotite hornfels with bands of garnet hornfels.	
219.1	221.6		Thinly interbedded pyroxene hornfels, biotite hornfels, bedding 80° to a of c.	
221.6	223.6		Massive garnet pyroxene hornfels.	
223.6	226.0		Thinly interbedded pyroxene hornfels, biotite hornfels.	
226.0	226.9		Interbedded pyroxene hornfels, biotite hornfels and garnet hornfels.	
226.9	240.5		Thinly interbedded pyroxene hornfels, biotite hornfels, bedding 75° to a of c.	

(Assays Separate File)

DIAMOND DRILL HOLE 116

Line 15 x 80 - Open Cut

Logged By:

STAGES			ASSAY			
From	To	Length	WO_3	Mo		
87.1'	92.2'	5.1'	0.05		0.25	
92.2'	97.4'	5.2'	0.15		0.78	
97.4'	100.5'	3.1'	0.05		0.15	
100.5'	103.9'	3.4'	0.71		2.41	
103.9'	112.6'	8.7'	0.10		0.87	
112.6'	121.4'	8.8'	0.05		0.44	
121.4'	127.1'	5.7'	0.53		3.02	24.8' at 0.72% WO_3
127.1'	132.8'	5.7'	0.54		3.08	
132.8'	139.5'	6.7'	0.96		6.43	
139.5'	146.2'	6.7'	0.78		5.22	
146.2'	156.2'	10.0'	0.05		0.50	
156.2'	166.2'	10.0'	0.05		0.50	
166.2'	177.8'	11.6'	0.05		0.58	
177.8'	183.8'	5.5'	0.20		1.10	
183.3'	188.8'	5.5'	0.12		0.66	
188.8'	194.4'	5.6'	0.15		0.84	
194.4'	201.0'	6.6'	1.40		9.24	13.3' at 0.99% WO_3
201.0'	207.7'	6.7'	0.58		3.88	
207.7'	214.9'	7.2'	0.22		1.58	
214.9'	222.0'	7.1'	0.06		0.42	
222.0'	226.9'	4.7'	0.36		1.69	4.7' at 0.36% WO_3

Line 15 + 80 — 134.1 Feet

160.7 Feet — 95N-524.9W 99475-1

42°

11/12/1953 — 4/1/1954

I.S. G. Co-ords: 219,494·9 E / 564,261·7 N ; R.L. = 44·2 m

C	8	Actinolite hornfels
8	48.8	Pyroxene garnet hornfels from 43.8 to 45 only .5' rec.
8.8	64.3	Massive garnet hornfels at 50', bedding at 52° to a of c.
4.3	69.5	Coarse grained pyroxene calcite hornfels with bands of interbedded pyroxene hornfels and biotite hornfels, calcite hornfels and garnet hornfels. At 64' bedding at 85° to a of c.
[redacted]	73.3	Med. grained calcite hornfels with minor bands of biotite hornfels. At 70' bedding 52°.
.3	74.3	Coarse grained pyroxene calcite hornfels
4.3	97.3	Garnet Hornfels with bands of biotite hornfels, pyroxene hornfels, coarse grained pyroxene calcite hornfels, calcite hornfels, coarse grained actinolite hornfels. At 85' bedding 60° to a of c.
7.3	129.6	Med. grained garnet hornfels with bands of actinolite hornfels. From 107 to 113 core rubbly, oxidised, only 2 feet rec.
9.6	133.6	Massive actinolite hornfels.
3.6	139.9	Med. grained garnet hornfels.
9.[redacted]	142.0	Core oxidised, rubbly, poor rec.
2.0	143.5	Massive actinolite hornfels.
3.5	144.5	Garnet hornfels.
4.5	144.8	Massive actinolite hornfels.
4.8	145.4	Garnet hornfels.
5.4	153.2	Thin bedded pyroxene hornfels, biotite hornfels, actinolite hornfels.
3.2	154.2	Med. grained aplite.
4.2	160.7	Thin bedded pyroxene hornfels, biotite hornfels, actinolite hornfels, in places disturbed by minute faulting, bedding at 70° to a of c.

(Assays Separate File)

DIAMOND DRILL HOLE 115

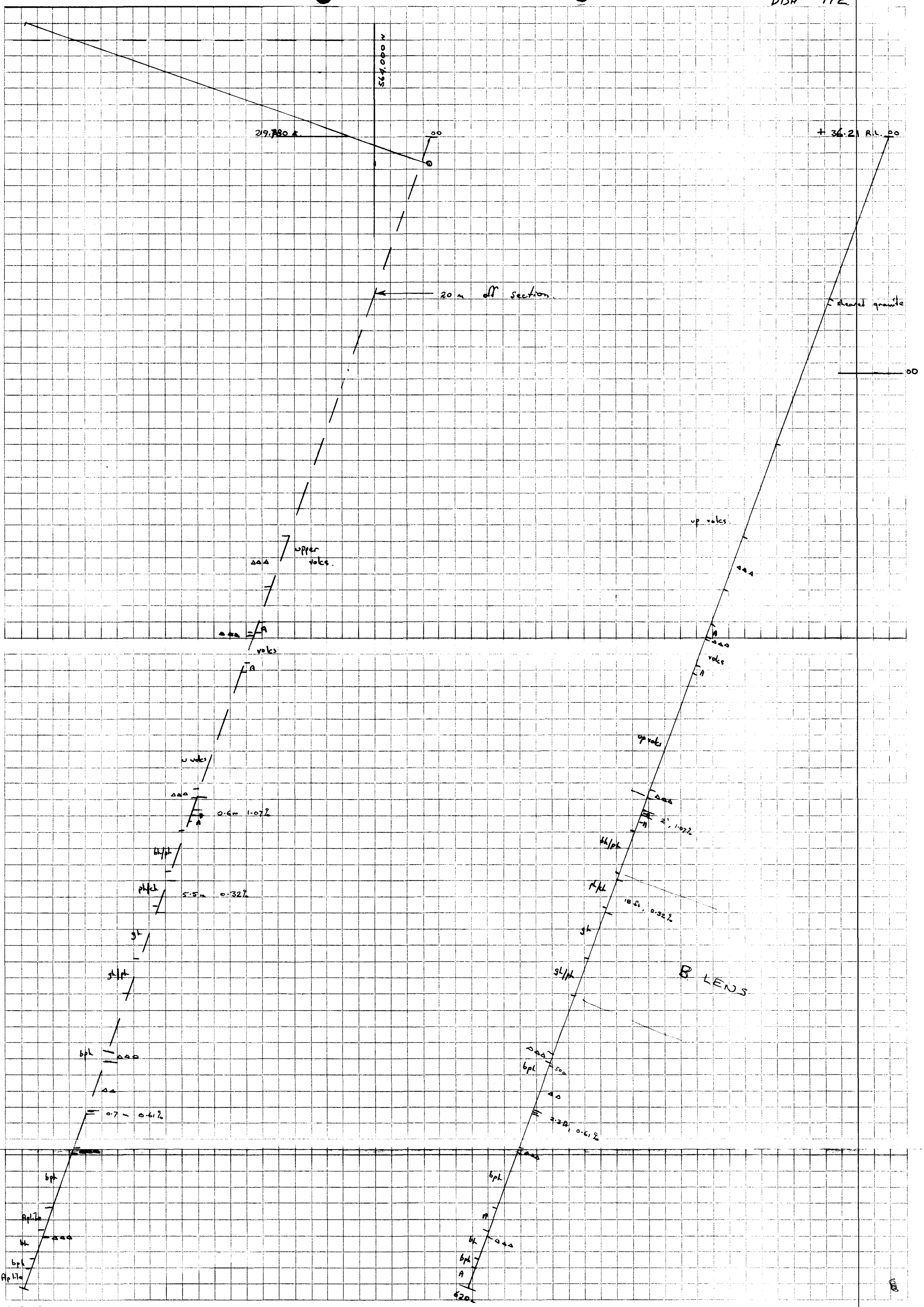
Line 15 x 80 - Open Cut

Logged By:

SAMPLES			ASSAY			SAMPLES
From	To	Length	WO_3	Mo		
8.0'	18.0'	10.0'	1.11'		11.10	
18.0'	28.0'	10.0'	0.06		0.60	
28.0'	38.0'	10.0'	0.06		0.60	
38.0'	48.8'	10.8'	0.05		5.40	
48.8'	56.7'	7.9'	0.06		4.74	
56.7'	62.7'	6.0'	0.77		4.62	12.1' at 0.58% WO_3
62.7'	68.8'	6.1'	0.39		2.37	
68.8'	73.8'	5.0'	0.05		2.50	
73.8'	78.7'	4.9'	0.06		0.29	
78.7'	83.8'	5.1'	0.18		0.91	
83.8'	88.9'	5.1'	0.10		0.51	
88.9'	93.0'	4.1'	0.18		0.73	
93.0'	98.0'	5.0'	0.75		3.75	
98.0'	103.7'	5.7'	0.75		4.27	38.2' at 0.52% WO_3
103.7'	113.7'	10.0'	0.07		0.70	
113.7'	121.0'	7.3'	0.20		1.46	
121.0'	127.1'	7.1'	0.91		6.46	
127.1'	137.1'	10.0'	0.05		0.50	
137.1'	145.4'	8.3'	0.05		0.41	

17.3
19.1
21.0
22.5
28.3
29.9
31.6
34.6
36.9
38.7

DDH 112



GAF A3 5mm

Line 7 108 Feet +/- 81 = 118-81

620 Feet 647.6S-518.9E 36-21

70° 99352-4

17/10/1953 10/5/1954

I.S.G. Co-ords: 219,776·9 E / 563,991·6 N ; R.L. = 36·2m

0	61		Sand
61	87.2		Broken fragments of actinolite hornfels and aplite from boulder bed?
87.2	90.0		Sheared granite ?
90.0	94.0		Fragments aplite, actinolite hornfels.
94.0	99.8		Actinolite Hornfels
99.8	100.0		Olivine hornfels
100.0	102.0		Actinolite hornfels with irregular patches of biotite?
102.0	111.4		Actinolite hornfels
111.4	114.4		Mottled actinolite hornfels with darkish patches up to 0.2" diam.
114.4	117.6		Aplite
117.6	122.8		Mottled actinolite hornfels
122.8	127.9		Actinolite hornfels.
127.9	130.9		Olivine hornfels.
130.6	148.7		Actinolite hornfels.
148.7	148.9		Actinolite hornfels.
148.9	174.9		Actinolite hornfels.
174.9	175.9		Mottled actinolite hornfels
175.9	205.0		Actinolite hornfels.
205.0	207.1		Slightly mottled actinolite hornfels.
207.1	261.0		Actinolite hornfels 214.8-242' core very broken.
261.0	267.0		Aplite
267.0	267.1		A few fragments of actinolite hornfels.
267.1	268.5		Aplite
268.5	284.4		Actinolite hornfels 268.5-269.3, brecciated, broken.
284.4	288.0		Aplite
288.0	363.7	110.65	Olivine hornfels with scattered irregular patches of biotitic material. Core mottled in places. Broken by fractures at acute angles to axis of core. From 351.2 - 355.0 core lost. No. 9 Fault ?
363.7	364.7		Aplite
364.7	366.7		Interbedded pyroxene hornfels and actinolite hornfels.
366.7	368.0		Aplite
368.0	374.2		Actinolite hornfels.
374.2	379.5		Pyroxene hornfels.
379.5	381.3		Pyroxene Biotite Hornfels.
381.3	384.5		Interbedded pyroxene hornfels, biotite hornfels, bedding 55° to axis of core.

From	To	Description
384.5	395.0	Biotite hornfels.
395.0	395.4	Pyroxene calcite hornfels.
395.4	396.5	Interbedded pyroxenehornfels, biotite hornfels.
396.5	397.2	Pyroxene calcite hornfels.
397.2	298.2	Biotite hornfels.
398.2	403.3	Coarse grained pyroxene calcite hornfels.
403.3	405.3	Coarse grained garnet pyroxene calcite hornfels
405.3	406.1	Med. grained pyroxene calcite hornfels.
406.1	413.6	Garnet hornfels with minor bands of thin bedded pyroxene hornfels.
413.6	414.1	Fine grained pyroxene calcite hornfels with thin coarse grained bands. Bedding 45° to axis of core.
414.1	442.3	Garnet hornfels with minor bands of thin bedded pyroxene hornfels, biotite hornfels. Bedding 55° to axis of core.
442.3	454.7	Interbedded garnet hornfels and thin bedded pyroxene hornfels, bedding 50° to axis of core.
454.7	458.2	Bedded garnet hornfels.
458.2	459.0	Massive pyroxene hornfels.
459.0	462.4	Garnet hornfels with irregular patches of pyroxene hornfels.
462.4	492.0	Thin bedded pyroxene hornfels biotite hornfels. Showing crumbling. Irregular patches of biotite hornfels and calcite hornfels.
492.0	493.3	Massive biotite hornfels.
493.3	499.4	Thin bedded crumbled pyroxene hornfels, biotite hornfels.
499.4	524.0	Brecciated broken, thin bedded pyroxene hornfels, biotite hornfels, fragments in places cemented with calcite.
524.0	524.7	Aplite.
524.7	533.0	Brecciated thin bedded pyroxene hornfels, biotite hornfels.
533.0	534.6	Massive coarse grained actinolite hornfels.
534.6	552.8	Thin bedded pyroxene hornfels biotite hornfels, bedding 60° to axis of core. Highly brecciated from 543' to 556.5'.
552.8	577.7	Thin bedded pyroxene hornfels, biotite hornfels, minor bands calcite hornfels and grossular garnet.

From	To		Description	Assay No 3	Assay No
577.7	589.7	Granite	Aplite		
589.7	591.0		Biotite hornfels		
591.0	591.2		Highly oxidised clayey.		
591.2	596.7	GRANITE	Aplite with pyroxene crystals. Veinlets of calcite.		
596.7	598.9		Coarse grained biotite hornfels.		
598.9	603.5	GRANITE	Aplite.		
603.5	604.5		Coarse grained biotite hornfels.		
604.5	605.5	GRANITE	Aplite		
605.5	609.0		Coarse grained biotite hornfels, pyroxene hornfels.		
609.0	620.0	GRANITE	Aplite.		

(Assays Separate File)

6" CORE Loss 594' 7 & 596' 7"

All granite cg biotite, fels, quartz with a chilled margin against the bh, ph units

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 112

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
4518	345	348	3	0.02	0.01		
4519	348	355	7	0.02	<0.01		
4520	355	357	2	0.03	<0.01		
4521	357	359	2.0	0.03	<0.01		
4522	359	361	2	0.24	<0.01		
4523	361	363	2	0.03	<0.01		
4524	363	365	2	1.07	0.08	2' at 1.07%	
4525	365	367	2	0.05	0.01		
4526	367	369	2	0.23	0.03		
4527	369	371	2.0	0.17	0.03		
4528	371	373	2	0.12	0.01		
4529	373	375	2	0.04	<0.01		
4530	375	377	2	0.09	<0.01		
4531	377	379	2	0.04	0.03		
4532	379	381	2	0.03	0.01		
4533	381	383	2	0.02	0.03		
4534	383	385	2	0.02	0.02		
4535	385	387	2	0.04	<0.01		
4536	387	395	7	0.04	0.01		
	395	400.7	5.7	<0.05		-	
	400.7	405.2	4.5	0.29		1.30	18' at 0.32% WO_3
	405.2	409.7	4.5	0.33		1.48	
	409.7	414.2	4.5	0.26		1.17	
	414.2	418.7	4.5	0.39		1.75	
	418.2	426.5	7.8	<0.05		-	
	426.5	434.4	7.9	<0.05		-	
	434.4	444.4	10.0	<0.05		-	
	444.4	454.4	10.0	<0.05		-	
	454.4	464.4	10.0	<0.05		-	
	464.4	474.4	10.0	<0.05		-	
	474.4	484.4	10.0	<0.05		-	
	484.4	494.4	10.0	<0.05		-	
	494.4	504.4	10.0	<0.05		-	
	504.4	514.4	10.0	<0.05			
	514.4	524.3	9.9	<0.05		-	
	524.3	526.6	2.3	0.61		1.40	2.3' at 0.61% W
	526.6	536.6	10.0	<0.05		-	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 112

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
		536.6	546.6	10.0	<0.05		-	
		546.6	556.6	10.0	<0.05		-	
		556.6	566.6	10.0	<0.05			
		566.6	577.7	11.1	<0.05		-	

Line 1 32.7 Feet

250 Feet 80.7S-913.3E

66°

1/10/1953

I.S.G. Co-ords: 219,920·8 E / 564,145·1 N ; R.L. = 13·3 m

0	15	Sand and rubble
15	21.2 (6.5)	Actinolite Hornfels
21.2	24.3 (7.4)	" " rubbly fragments show high brecciation only 0.5' rec.
24.3	62.3 (19.0)	Actinolite Hornfels, core fairly broken.
62.3	74.5 (22.70)	" " not broken
74.5	114.3 (34.83)	Pyroxene Garnet Hornfels
114.3	128.5 (39.2)	Massive garnet hornfels
128.5	136.2 (41.51)	Med. grained garnet pyroxene hornfels
136.2	138.7	Pyroxene hornfels with areas of grossular garnet.
138.7	146.7 (44.71)	Biotite Hornfels.
146.7	154.5 (47.09)	Massive coarse grained garnet hornfels.
154.5	157.0 (47.8)	Dark greyish calcite hornfels.
157.0	157.3 (47.9)	Biotite hornfels
157.3	175.6 (53.52)	Banded garnet pyroxene hornfels with minor bands of pyroxene hornfels.
175.6	186.5 (56.85)	Banded garnet pyroxene hornfels with numerous bands of pyroxene hornfels and actinolite hornfels. Bedding at 60o to axis of core.
186.5	189.2 (57.7)	Massive coarse grained quartz garnet hornfels.
189.2	195.5 (59.6)	Banded garnet pyroxene hornfels.
195.5	200.9 (61.2)	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels, grossular garnet and garnet pyroxene hornfels.
200.9	214.6 (65.4)	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels, grossular garnet and minor garnet pyroxene hornfels.
214.6	216.3 (65.9)	Massive garnet pyroxene hornfels.
216.3	219.0 (66.75)	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels and garnet pyroxene hornfels.
219.0	250 (76.2)	Interbedded fine grained biotite hornfels and actinolite hornfels bedding at 60°. From 238 - 241 core rubbly, broken 245 - 250 rubbly, broken, slickensided surfaces.

(Assays Separate File)

110

Line 1 Open Cut

74.3'	84.3'	10.0'	<0.05	-	
84.3'	94.3'	10.0'	<0.05		
94.3'	104.3'	10.0'	0.10	1.00	
104.3'	114.3'	10.0'	0.10	1.00	
114.3'	119.3'	5.0'	1.37	6.85	
119.3'	124.3'	5.0'	2.38	11.90	
124.3'	129.3'	5.0'	1.35	6.75	
129.3'	134.0'	4.7'	0.77	3.62	
134.0'	140.4'	6.4'	0.16	1.02	104.7' at 0.89% WO_3
140.4'	146.7'	6.3'	0.06	0.38	
146.7'	154.3'	7.6'	1.35	10.26	
154.3'	159.3'	5.0'	0.78	3.90	
159.3'	164.3'	5.0'	1.50	7.50	
164.3'	169.3'	5.0'	1.20	6.00	
169.3'	174.3'	5.0'	1.34	6.70	
174.3'	179.3'	5.0'	0.71	3.55	
179.3'	184.3'	5.0'	0.78	3.90	
184.3'	189.3'	5.0'	1.14	5.70	
189.3'	9617'	7.4'	1.24	9.18	
196.7'	201.7'	5.0'	0.20	1.00	
201.7'	206.7'	5.0'	0.05	0.25	
206.7'	211.7'	5.0'	0.62	3.10	
211.7'	219.0'	7.3'	0.30	2.19	

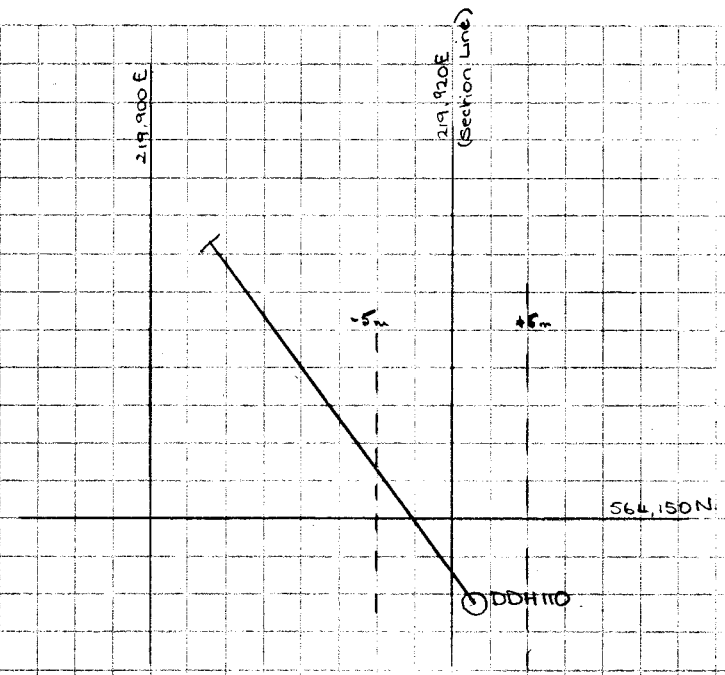
DIAMOND DRILL HOLE ASSAY SHEET

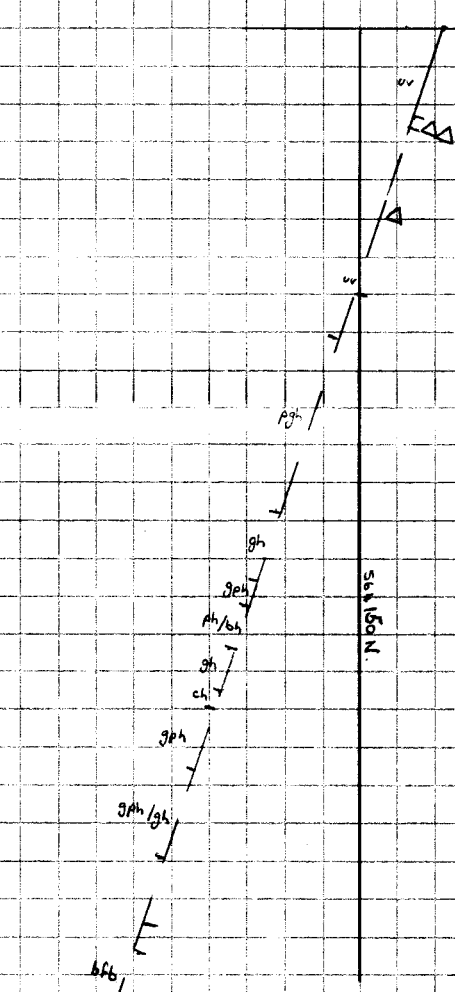
Hole No.: 110 (Reassay September, 1972)

Logged By :

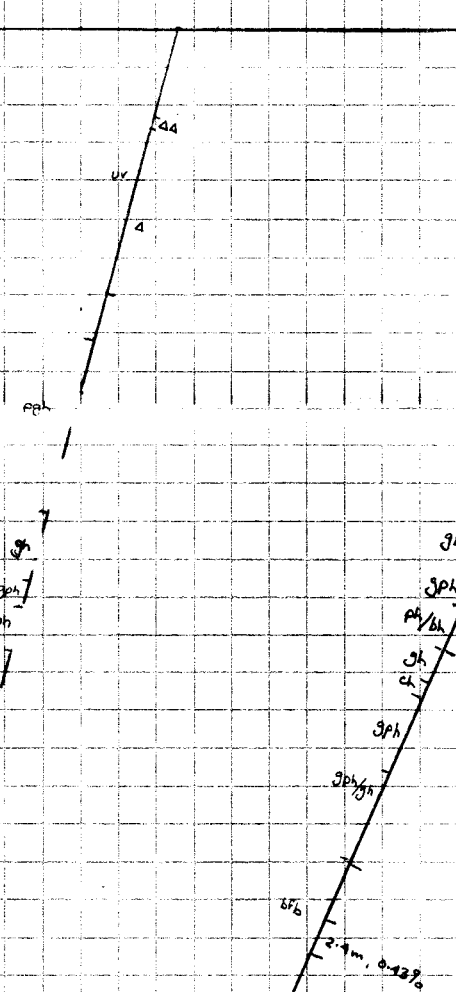
Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1364	114	118	4	1.01			
5	118	122	4	1.33			
6	122	126	4	2.43			
7	126	130	4	1.03	1.07		24' at 1.15% WO_3
8	130	134	4	0.19			
9	134	138	4	0.92			
70	138	142	4	0.20			
1	142	146	4	0.12			
2	146	150	4	2.60			
3	150	154	4	3.62			
4	154	158	4	0.31			
5	158	162	4	1.52			
6	162	166	4	0.90			
7	166	170	4	1.19	1.17		
8	170	174	4	1.20			52' at 1.28% WO_3
9	174	178	4	0.61			
80	178	182	4	0.74			
1	182	186	4	0.78			
2	186	190	4	1.25			
3	190	194	4	1.58			
4	194	198	4	0.41			
5	198	202	4	0.13			
6	202	206	4	0.09			
7	206	210	4	0.24	0.25		
8	210	214	4	0.32			8' at 0.42% WO_3
B 1389	214	218	4	0.53			

DDH 110
1:500

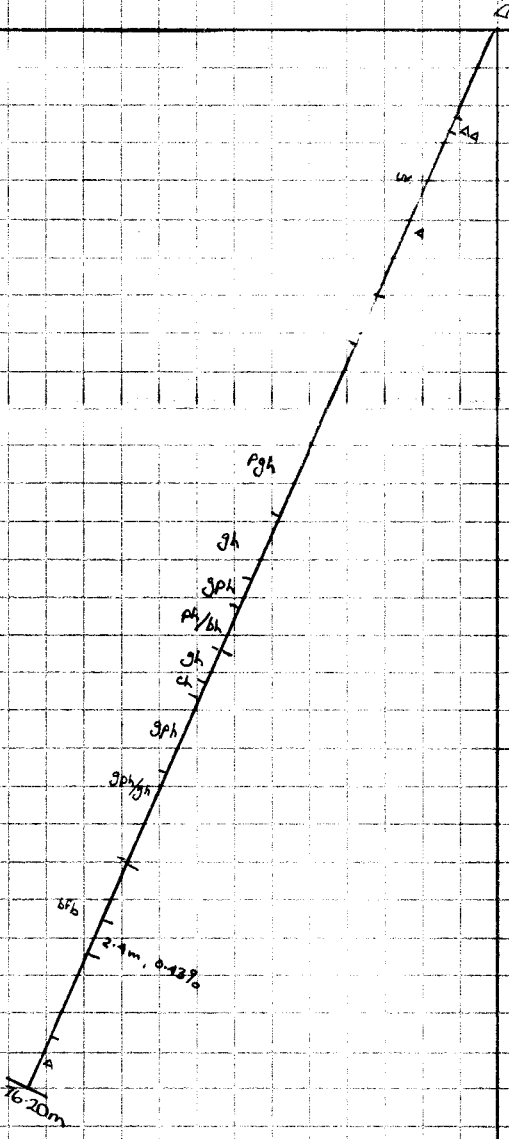




15 SECTION
LOOKING E



15G SECTION
LOOKING N



SECTION IN PLANE
OF HOLE

Line 1 36.1 Feet

145.2 Feet 2.8N-837.8E

50°

I.S.G. Co-ords: 219,901·8 E / 564,173·7 N R.L. = 14·3 m

0	17		Pyroxene Garnet Hornfels and calcite hornfels
17	20.4	pgh	Coarse grained garnet hornfels.
20.4	22.9		Garnet Pyroxene Hornfels.
22	23.5		Pyroxene Garnet Hornfels
23.5	24.3		Biotite Hornfels
24.3	28.3		Calcite Pyroxene Hornfels
28.3	30		Pyroxene Garnet Hornfels, core rubbly
30	31	pgh	Garnet pyroxene hornfels
31	32		Biotite Hornfels, from 31.7' to 32' core rubbly. △
32	43.5	~~gh~~	Bedded garnet pyroxene hornfels, showing wide variations in grain size from fine to coarse grained.
43.5	47.1	ch	Interbedded calcite hornfels and biotite hornfels, pyroxene calcite garnet hornfels, coarse grained bands of actinolite hornfels.
47.1	54.3	gh	Coarse grained garnet quartz hornfels and bedded garnet pyroxene hornfels.
54.3	59.5	pgh	Interbedded calcite hornfels, pyroxene hornfels, pyroxene calcite hornfels, biotite hornfels and a few bands of grossular garnet, 2" - 3" wide.
59.5	67.4	pgh	Bedded garnet pyroxene hornfels.
67.4	68.9	ch	Thinly interbedded calcite hornfels and pyroxene hornfels.
68.9	73.1	pgh	Bedded garnet pyroxene hornfels.
73.1	73.8		Thinly interbedded pyroxene hornfels, calcite hornfels, biotite hornfels, bedding 80° to axis of core.
73.8	75.6	ch/gh	Calcite hornfels.
75.6	76.4		Coarse grained garnet hornfels.
76.4	77.1		Calcite hornfels.
77.1	77.6		Pyroxene hornfels with minor bands of grossular garnet.
77.6	78.1		Calcite hornfels.
78.1	81.6		Garnet pyroxene hornfels with thin bands of pyroxene hornfels, biotite hornfels, actinolite hornfels and calcite hornfels. Bedding 75° to axis of core.
81.6	83.1		Thinly interbedded pyroxene hornfels, calcite hornfels and grossular garnet.

		Description	Assay
83.1	85.6	Calcite Garnet Hornfels at 85.5 flakes of molybdenite.	
85.6	86.1	Thinly interbedded biotite hornfels and pyroxene hornfels	
86.1	88.9	Calcite Garnet Hornfels	
88.9	90.0	Interbedded calcite and pyroxene hornfels.	
90.0	90.6	Garnet hornfels	
90.6	95.9	Interbedded pyroxene calcite hornfels, pyroxene hornfels, pyroxene calcite garnet hornfels, garnet pyroxene hornfels and actinolite hornfels. Bedding at 75°.	
95.9	96.6	Calcite hornfels.	
96.6	97.6	Bedded garnet pyroxene hornfels	
97.6	106.0	Interbedded calcite hornfels, pyroxene hornfels, biotite hornfels, actinolite hornfels, pyroxene calcite hornfels, grossular garnet bands. From 102 to 104 core fractured. Slickensided surfaces.	
106.0	110.3	Very thinly bedded biotite hornfels and pyroxene hornfels, bedding at 80° to axis of core.	
110.3	111.8	Calcite hornfels.	
111.8	115.2	Interbedded pyroxene hornfels and biotite hornfels and grossular garnet bands.	
115.2	115.9	Garnet Hornfels.	
115.9	117.1	Calcite Hornfels.	
117.1	120.6	Thinly bedded biotite hornfels, and pyroxene hornfels.	
120.6	124.0	Garnet hornfels, quartzose from 123' to 124'.	
124.0	125.6	Rubbly biotite hornfels, slickensided surfaces, alteration slight.	
125.6	145.3	Thinly bedded biotite hornfels and pyroxene hornfels at 139 bedding at 75° to axis of core. Core broken by slickensided surfaces at varying angles to the axis of the core.	

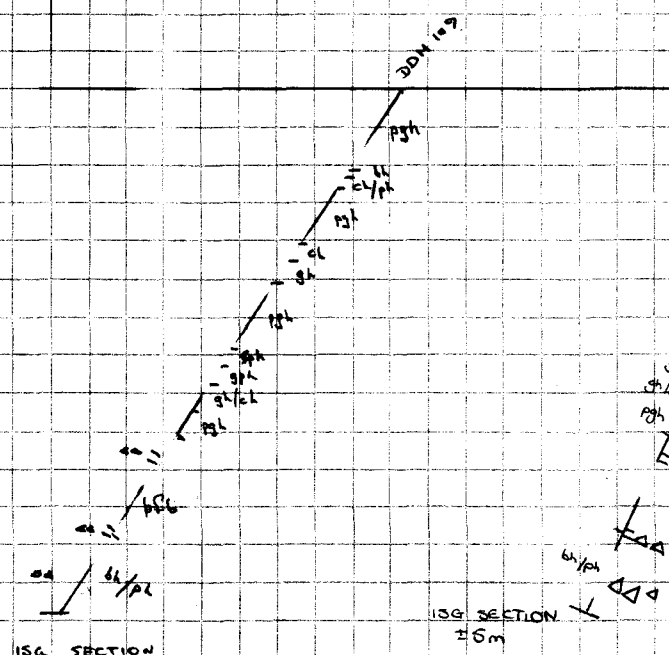
(Assays Separate File)

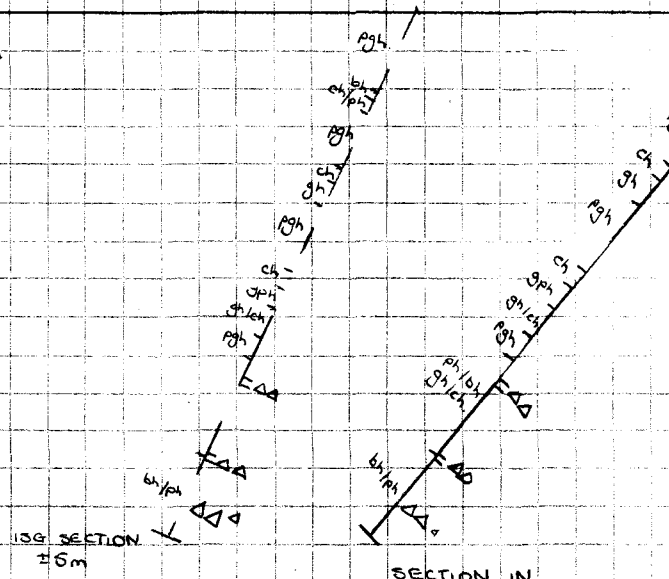
Line 1 - Open Cut

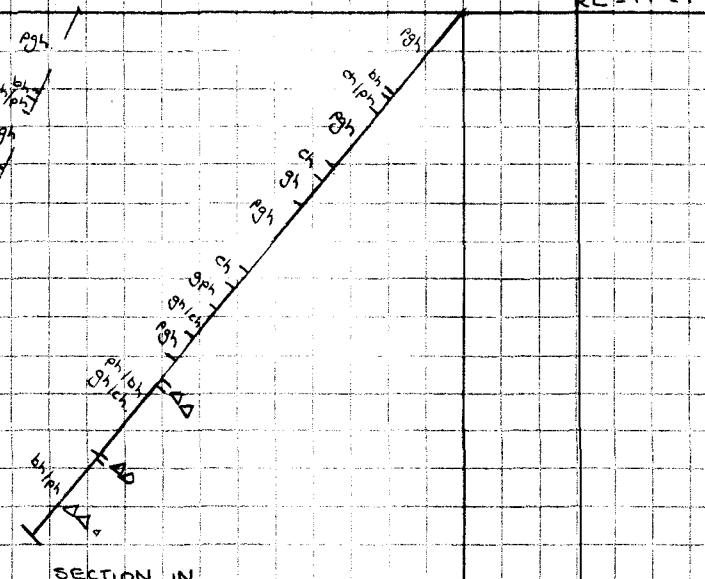
16.8'	23.3'	6.5'	1.72	11.18	
23.3'	29.6'	6.3'	<0.05	-	
29.6'	35.0'	6.5'	0.12	0.78	
35.0'	43.3'	8.3'	0.65	5.39	
43.3'	51.7'	8.4'	<0.05	-	
51.7'	60.0'	8.3'	0.12	0.99	
60.0'	65.6'	5.6'	0.71	3.98	
65.6'	69.5'	3.9'	0.06	0.23	29.3' at 0.55' WO_3
69.5'	74.5'	5.0'	0.69	3.45	
74.5'	79.5'	5.0'	0.22	1.10	
79.5'	83.5'	4.0'	0.26	1.04	
83.5'	89.5'	5.8'	1.07	6.21	
89.3'	99.3'	10.0'	0.13	1.30	
99.3'	109.3'	10.0'	0.06	0.60	
109.3'	120.3'	11.0'	0.05	-	
120.3'	124.7'	4.4'	0.54	2.38	0.54% / 4.4'

DDH 109
1:500

219850E
-5
219885E
Section Line
+5
219900E
564200N
DDH 109
DDH 109
RL = 14.29
564200N







New Line 14 — 183.9 Feet

511.2 Feet — 337. S-408.2W

99662-9 99591-8

48° (On line 14 plot, lower part of this hole is at 55°)

I.S.G. Co-ords: 219,511·0 E / 564,126·2 N; R.L. = 59·3.

0	151	46·0	Sand and rubble
51	166.7	50·8	Actinolite Hornfels
66.7	193.5	59·0	Aplite, grading to aplitised actinolite hornfels.
93.5	213.4	65·0	Actinolite hornfels
13.4	214.4	65·3	Aplite
14.4	285.4	87·0	Actinolite Hornfels
85.4	285.9	87·1	Aplite
85.9	290.0	88·4	Actinolite hornfels with scattered patches of calcite showing incipient reaction rims.
89.0	347.5	105·9	Pyroxene Garnet Hornfels
47.5	361.2	110·0	Dark greyish Calcite Hornfels with lighter coloured patches.
61.2	369.4	112·6	Bedded garnet pyroxene hornfels with bedding at 52° to axis of core.
69.4	369.9	112·7	Pyroxene Calcite Hornfels
69.9	370.7	113·0	Bedded Garnet Pyroxene Hornfels
70.7	371.5	113·2	Calcite Hornfels
71.5	375.3	114·4	Coarse grained Garnet pyroxene hornfels
75.3	376.0	114·6	Calcite hornfels
76.0	376.3	114·7	Pyroxene hornfels
76.3	377.2	115·0	Biotite hornfels
77.2	393.7	120·0	Bedded garnet pyroxene hornfels. Bedding at 65° to axis of core.
93.7	394.7	120·3	Thinly interbedded biotite hornfels, actinolite hornfels and calcite hornfels, bedding 65° to axis of core.
94.7	400.9	122·2	Calcite hornfels
00.9	405.5	123·6	Bedded garnet pyroxene hornfels
05.5	407.4	124·2	Interbedded garnet hornfels and pyroxene hornfels and bedded garnet pyroxene hornfels.
07.4	416.0	126·8	Interbedded garnet pyroxene hornfels, biotite hornfels, coarse grained actinolite hornfels and grossular garnet.
16.0	433.0	132·0	Garnet pyroxene hornfels with minor bands of actinolite hornfels, biotite hornfels and pyroxene hornfels, bedding at 65° to axis of core.
33.0	435.6	132·6	Thinly interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels, grossular garnet.
35.6	460.0	140·2	Garnet pyroxene hornfels with thin bands of interbedded pyroxene hornfels and biotite hornfels.

			Description	
460	463.3	141.2	Massive biotite hornfels.	
463.3	465.1	141.8	Garnet pyroxene hornfels with thin bands of pyroxene hornfels and biotite hornfels.	
465.1	473.5	144.3	Thinly interbedded biotite hornfels, biotite hornfels, with minor bands of garnet hornfels (grossular). Bedding 75° to axis of core.	
473.5	475.3	144.9	Massive garnet pyroxene hornfels.	
475.3	478.0	145.7	Thinly interbedded biotite hornfels and pyroxene hornfels.	
478.0	481.0	146.6	Massive biotite hornfels.	
481.0	481.7	146.8	Garnet pyroxene hornfels	
481.7	494.0	150.6	Thinly interbedded biotite hornfels and actinolite hornfels. Bedding at 80° to axis of core.	
494.0	505.6	154.1	Massive biotite hornfels.	
505.6	511.2	155.8	Garnet Hornfels (Grossular) from 489 to 511.2 core broken slightly altered.	
			(Assays Separate File)	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 108

Logged By : PC/MD

Sample No.	FOOTAGES (m)			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
B 0250	109	110	1.0	0.15			
1	110	111	"	0.83			
2	111	112	"	0.40			
3	112	113	"	0.44			6.0m at 0.43%
4	113	114	"	0.43			
5	114	115	"	0.16			
6	115	116	"	0.33			
7	116	117	"	0.19			
8	117	118	"	0.21			
9	118	119	"	0.35			2.0m at 0.36%
60	119	120	"	0.38			
1	120	121	"	0.07			13.0m at 0.34%
2	121	122	"	0.18			
3	122	123	"	0.48			
4	123	124	"	0.16			
B 0265	124	125	1.0	0.12			

Line 14 - Open Cut

Metres						
	290.0'	302.0'	12.0'	<0.05	-	
	302.0'	314.0'	12.0'	0.06	0.72	
	314.0'	325.0'	11.0'	0.27	2.97	
	325.0'	335.0'	10.0'	0.12	1.20	
	335.0'	347.5'	12.5'	0.05	0.62	
	347.5'	360.8'	13.3'	<0.05	-	
110	360.8'	367.8'	7.0'	0.49	3.43	
112.1	367.8'	374.7'	6.9'	0.22	1.52	
114.2	374.7'	379.7'	5.0'	0.25	1.25	45.1' at 0.28% WO_3
115.7	379.7'	384.7'	5.0'	0.28	1.40	
117.2	384.7'	389.7'	5.0'	0.27	1.35	
118.8	389.7'	393.7'	4.0'	0.44	1.76	
120	393.7'	400.9'	7.2'	<0.05	-	
122.2	400.9'	405.9'	5.0'	0.39	1.95	
123.7	405.9'	410.9'	5.0'	0.11	0.55	
125.2	410.9'	415.9'	5.0'	0.16	0.80	
126.7	415.9'	420.9'	5.0'	0.33	1.65	
128.3	420.9'	425.9'	5.0'	0.14	0.70	
129.8	425.9'	433.0'	7.1'	0.09	0.64	
132	433.0'	443.0'	10.0'	0.08	0.80	
135	443.0'	453.0'	10.0'	0.08	0.80	
138	453.0'	463.0'	10.0'	<0.05	-	
141	463.0'	472.0'	9.0'	<0.05	-	
	472.0'	475.0'	3.0'	0.22	0.66	
	475.0'	481.7'	6.7'	<0.05	-	

New Line 13 189.1 Feet

509.0 Feet 352.2S-267.2W

55° 99647·8 99732·8

I.S.G. Co-ords: 219,552·8 E / 564,115·4 N R.L. = 60·9m

0	141.6	43·16		Sand and rubble
1.6	151	46·02		Aplite
1	154.7	47·15		Actinolite Hornfels
4.7	161	49·07		Aplite
1	180	54·86		Actinolite Hornfels
0	180.2	54·92		Aplite
0.2	200.4	61·08		Actinolite Hornfels
0.4	200.7	61·17		Aplite
0.7	267.0	81·38		Actinolite Hornfels
7.0	275	83·82		Interbedded <u>actinolite hornfels</u> and biotite hornfels, bedding at 68° to axis of core.
276.0				
.0	276.0	84·12		Aplite
.0	281.7	85·86		<u>Biotite Hornfels</u> with aplite stringers ½" wide at 279.2 and 279.8 at 20° and 45o to axis of core.
1.7	283.9	86·53		Aplite
3.9	284.4	86·69		Biotite Hornfels
4.4	284.7	86·78		Aplite
4.7	286.8	87·42		Biotite Hornfels
.8	288.0	87·78		<u>Aplite</u> with inclusions of biotite hornfels
	289.7	88·30		Biotite Hornfels
0.7	290.2	88·45		Calcite hornfels
1.2	292.4	89·12		<u>Biotite hornfels</u> with areas of calcite containing angular fragments of biotite hornfels. 88·45
2.12				Biotite hornfels & calcite veins.
2.4	301.7	91·96		~~Dark greyish calcite hornfels.~~
4.7	305.5	93·12	Δ	Only 0.6' core rec. <u>pyroxene garnet hornfels</u>, slightly oxidised.
5.5	316.5	96·47		<u>Pyroxene garnet hornfels</u> towards end grades into garnet pyroxene hornfels. Garnet ends abruptly against thin shear pug at 80° to axis of core.
0.5	320.7	97·75		<u>Calcite Hornfels</u> with grossular garnet and small flakes of muscovite.
0.7	329.2	100·34	ch	<u>Calcite Hornfels</u>, with small flakes of muscovite containing patches of pyroxene garnet hornfels. Core fractured from 325 to 327'. Δ 99·06 99·67
0.2	330.1	100·61		Biotite Hornfels
0.1	335.6	102·29		<u>Garnet Pyroxene Hornfels</u> (Gross. Garnet)
5.6	349.8	106·62		<u>Garnet pyroxene hornfels</u> (Andradite)
9.8	358.4	109·24		Dark greyish fine grained calcareous hornfels.

(Assays Separate File)

			Description	Assay Fe_2O_3	Assay %
358.4	368.2	112.23	Interbedded calcite hornfels, biotite hornfels, pyroxene hornfels, minor grossular garnet bands.		
368.2	371	113.08	Massive biotite hornfels.		
371	375.5	114.45	Calcite Hornfels		
375.5	429.4	130.88	Bedded garnet pyroxene hornfels with minor bands of biotite hornfels and pyroxene hornfels, sometimes thinly interbedded, bedding at 431' at 75° to axis of core.		
429.4	433.4	132.10 ~~130.88~~	Interbedded pyroxene hornfels, biotite hornfels, actinolite hornfels and bands of garnet hornfels.		
433.4	450.7	137.37	Garnet Hornfels, with thin bands of pyroxene hornfels, biotite hornfels.		
450.7	456.6	139.17	Calcite Hornfels with minor bands of biotite hornfels, pyroxene hornfels and gross. garnet.		
456.6	462.7	141.03	Garnet Hornfels with numerous bands of biotite hornfels, pyroxene hornfels, actinolite hornfels.		
462.7	470.0	143.26	Thinly bedded biotite hornfels, pyroxene hornfels, calcite hornfels, actinolite hornfels at 468', bedding 85° to axis of core.		
470	470.3	143.35	Aplite		
470.3	475	144.78	Massive biotite hornfels.		
475	476.7	145.30	Calcite Hornfels		
476.7	480.7	146.52	Thinly bedded pyroxene hornfels, biotite hornfels, actinolite hornfels.		
480.7	483.5	147.37	Calcite hornfels with minor bands of biotite hornfels, gross garnet, Fault ll l to axis of core displaces biotite hornfels band ½".		
483.5	488.4	148.86	Thinly bedded biotite hornfels, pyroxene hornfels, bedding disturbed by small scale faulting, core slightly brecciated.		
488.4	490.4	149.47	Garnet Hornfels with thin bands of pyroxene hornfels.		
490.4	490.6	149.53	Biotite Hornfels.		
490.6	490.9	149.63	Calcite Hornfels		
490.9	493.1	150.30	Massive biotite hornfels		
493.1	494.8	150.82	Thinly bedded biotite hornfels, and actinolite hornfels, bedding 85° to axis of core.		
494.8	495.1	150.91	Aplite		
495.1	509.0	155.14	Thinly bedded biotite hornfels, Act. Horn.		

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 107

LOGGED BY _____ REASBAY SEPT. 1972.

	Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
B 0632		375.3 (144)	380.3	5.0	0.46			
	3	380.3	385.3	5.0	0.42			15' at 0.43%
	4	385.3	390.3	5.0	0.40			
	5	390.3	395.3	5.0	0.24			
	6	395.3	400.3	5.0	0.42	L/C		
	7	400.3	404.2	3.9	0.57	13.3 m	0.42%	8.9' at 0.49%
	8	404.2	409.2	5.0	0.21			
	9	409.2	414.2	5.0	0.65			9.6' at 0.53%
	40	414.2	418.8	4.6	0.41			
	1	418.8	426.4	7.6	0.05			
	2	426.4	429.7	3.3	1.13			3.3' at 1.13%
	3	429.7	437.3	7.6	0.13	L/C		
	4	437.3	442.3	5.0	0.72			
	5	442.3	447.3	5.0	0.32	10.2 m	0.41%	
	6	447.3	452.3 (137.9)	5.0	0.69			22.4' at 0.47%
B 0647		452.3	459.7	7.4	0.26			

23.5 at 0.41

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Line 13 - Open Cut

301.7 91.9	308.7'	7.0'	0.17	1.19	
308.7'	315.7'	7.0'	0.32	2.24	2.1 m at 0.32%
315.7'	325.7'	10.0'	0.05	0.50	
325.7' 99.3	335.7'	10.0'	0.05	0.50	
335.7' 102.3	342.3'	6.6'	0.05	0.33	
342.3' 104.3	345.9'	3.6'	0.73	2.63	1.1 m at 0.73%
345.9' 105.4	355.9'	10.0'	0.05	0.50	
355.9' 108.5	365.9'	10.0'	0.05	0.50	
365.9' 111.5	375.3'	9.4'	0.05	0.47	
375.3' 114.4	380.3'	5.0'	0.51 .44	2.55	
380.3' 115.9	385.3'	5.0'	0.52 .42	2.60	
385.3' 117.4	390.3'	5.0'	0.34 .40	1.70	84.4' at
390.3' 119.0	395.3'	5.0'	0.67 .24	3.35	0.53% WC
395.3' 120.5	400.3'	5.0'	1.28 .42	6.40	
400.3' 122.0	404.2'	3.9'	0.81 .57	3.16	
404.2' 123.2	409.2'	5.0'	0.37 .21	1.85	
409.2' 124.7	414.2'	5.0'	0.94 .65	4.70	
414.2' 126.2	418.8'	4.6'	0.68 .41	3.13	
418.8' 127.6	426.4'	7.6'	0.05 .05	0.38	
426.4' 130.0	429.7'	3.3'	0.48 1.13	1.58	
429.7' 131.0	437.3'	7.6'	0.14 0.13	1.06	
437.3' 133.3	442.3'	5.0'	1.06 .72	5.30	
442.3' 134.8	447.3'	5.0'	0.34 .32	1.70	
447.3' 136.3	452.3'	5.0'	0.58 .69	2.90	
452.3' 137.9	459.7'	7.4'	0.34 .26	2.52	
459.7' 140.1	469.7'	10.0'	0.06	0.60	
469.7' 143.2	479.7'	10.0'	0.05	0.50	
479.7' 146.2	490.5'	10.8'	0.05	0.54	

Re assays
N'ly .072
84.4 @ 0.053%

New Line 7 — 107.1 Feet

373.7 Feet — 359.7S-574.9E

500 — 99640-3

15/8/1953 — 28/8/1953

I.S.G Co-ords : 219,806.5 E / 564,076.0 N ; R.L. = 35.9m

0	51.3		Sand and rubble
51.3	75		Actinolite and Biotite Hornfels
75	78	bh	Thinly interbedded biotite hornfels and pyroxene hornfels. Bedding at 60° to axis of core.
78	81.2		Aplite
81.2	96.5		Biotite Hornfels and Actinolite Hornfels
96.5	98.1		Pyroxene Garnet Hornfels
98	98.6	pgh	Biotite Hornfels
98.6	103		Pyroxene Garnet Hornfels, with bands of actinolite hornfels.
103	112.5	ch	Greyish Calcite Hornfels with bedding at 55° at 103' fractures at very acute angle to axis of core. Slickensides 11 l to axis of core.
112.5	117.2	pgh	Pyroxene Garnet Hornfels
117.2	120.2	ch	Calcite Hornfels
120.2	121.0		Pyroxene Garnet Hornfels
121.0	125.0		Pyroxene Calcite Hornfels grading into biotite calcite hornfels.
125.0	129.2		Light greyish calcite hornfels
129.2	133		Massive actinolite calcite hornfels
133	145.2	ch	Light greyish calcite hornfels at 145' fractures at 15° to axis of core. Slickensides on fracture surface 35° to axis of core.
145.2	148.2	pgh	Pyroxene Garnet Hornfels
148.2	151.3		Mainly biotite hornfels, at 154' fracture at very acute angle to axis of core. Bedding at 150', 45° to axis of core.
151.3	152.1	bh	Aplite
152.1	166		Biotite Hornfels
166	186.8		Fine grained massive actinolite hornfels
186.8	214.7	pgh	Pyroxene Garnet Hornfels
214.7	245.2	gh	Coarse grained massive garnet hornfels
245.2	259.7		Coarse grained garnet pyroxene hornfels with fine grained bands.
259.7	263.0	gph	Very coarse grained garnet pyroxene hornfels, garnets up to 1 cm diam.
263.0	266.3	ch	Med. grained light greyish calcite hornfels.
266.3	268.5	gph	Coarse grained massive garnet pyroxene hornfels.
268.5	269.5		Light greyish calcite hornfels

269.5	281.3		gh/ph/ch	Thinly interbedded garnet pyroxene calcite hornfels, coarse grained actinolite hornfels, biotite hornfels and bands of grossular garnet, bedding at 60° to axis of core.
281.3	285.3			Greyish spotted calcite hornfels, spots up to 1/8" diam.
285.3	290.0	ch	ΔΔ	Core rubbly broken oxidised.
290.0	331.1		ch	Interbedded coarse grained calcite hornfels, garnet pyroxene calcite hornfels, thin bands of pyroxene hornfels, actinolite hornfels and biotite hornfels. Bedding at 70° to axis of core. At 222' bedding 70°.
331.1	373.7		ph	Thinly interbedded pyroxene hornfels biotite hornfels and actinolite hornfels at 346' bedding at 65° at 373' bedding at 70° to axis of core.

(Assays Separate File)

Line 7 - Open Cut

	183.0'	193.0'	10.0'	<0.05	-	
	193.0'	203.0'	10.0'	<0.05	-	
	203.0'	214.7'	11.7'	<0.05	-	
HWC	214.7'	222.5'	7.8'	1.82	14.20	
	222.5'	227.5'	5.0'	0.89	4.45	
	227.5'	232.5'	5.0'	0.91	4.55	
	232.5'	237.5'	5.0'	0.55	2.75	
	237.5'	242.5'	5.0'	0.80	4.00	
	242.5'	247.5'	5.0'	0.49	2.45	
	247.5'	252.5'	5.0'	0.58	2.90	
	252.5'	257.5'	5.0'	0.55	2.75	111' at 0.62% WO_3
	257.5'	262.2'	4.7'	0.43	2.02	
	262.2'	272.2'	10.0'	0.25	2.50	
	272.2'	282.2'	10.0'	0.30	3.00	
	282.2'	290.0'	7.8'	<0.05	-	
FWC	290.0'	295.0'	5.0'	0.87	4.35	
	295.0'	300.0'	5.0'	1.30	6.50	
19.35 m @ 0.46%	300.0'	305.0'	5.0'	0.68	3.40	
	305.0'	310.0'	5.0'	0.68	3.40	
	310.0'	317.7'	7.7'	0.30	2.31	
	317.7'	325.7'	8.0'	0.45	3.60	
	325.7'	333.7'	8.0'	0.22	1.76	

DDH 106
1:500

564150N

564100N

564050N

219405 (Section Line)

-5m

DDH 106.

219 800 Section Line.

DDH 106

RL - 35.94

FA

20m .SS Sect

HWC Lens

FWC

19.4m @ 0.4g/cc

ISG SECTION.

SECTION IN PLANE OF HOLE

New Line 15 — 178 Feet = +57.5 m

401 Feet '122-2 — 171.6S-502.2W

61° — 99828·4 99497·8

15/8/1953 — 28/8/1953

I.S.G. Co-ords: 219,489·9 E / 564,180·3 N ; R.L. = 57·5 m.

0	114	34·7	Sand and rubble
114	175.5	53·5	Actinolite Hornfels
175.5	176.2	53·7	Pyroxene Garnet Hornfels
176.2	180.1	54·9	Massive actinolite hornfels
180.1	209.8	63·9	Pyroxene Garnet Hornfels with minor bands of biotite hornfels, bedding at 209' at 70° to axis of core.
209.8	230.5	70·3	Massive garnet pyroxene hornfels with thin bands of pyroxene hornfels ¼" wide.
230.5	231.2	70·5	Biotite Hornfels
231.2	233.6	71·2	Pyroxene Calcite Hornfels, bedding at 60° to axis of core.
233.6	239.0	72·8	Biotite Hornfels with minor bands of pyroxene hornfels, bedding at 238' at 55° to axis of core.
239.0	242.5	73·9	Bedded garnet pyroxene hornfels.
242.5	245.2	74·7	Actinolite hornfels
245.2	247.2	75·3	Pyroxene Calcite Hornfels
247.2	253.7	77·3	Light greyish calcite hornfels. At 263.1 Fractures at 30° to axis of core.
253.7	254.4	77·5	Biotite Hornfels
254	255.1	77·8	Pyroxene Garnet Hornfels
255.1	256.7	78·2	Interbedded pyroxene hornfels and biotite hornfels.
256.7	257.3	78·4	Calcite Hornfels, broken, highly altered.
257.3	278.2	84·4	Calcite Hornfels, bedding at 267' at 45° to axis of core.
278.2	282.7	86·2	Med. grained to coarse grained garnet Pyroxene hornfels.
282.7	284.2	86·6	Calcite Hornfels
284.2	285.3	87·0	Garnet Pyroxene Hornfels
285.3	290.3	88·5	Pyroxene Calcite Garnet Hornfels bedding at 290; 50° to axis of core.
290.3	302.2	92·1	Pyroxene Calcite Hornfels
302.2	309.3	94·3	Garnet Pyroxene Hornfels with thin bands of fine grained pyroxene hornfels.
309.3	313.0	95·4	Interbedded calcite hornfels, biotite hornfels and bands of grossularite.
313.0	323.0	98·5	Calcite Hornfels with thin bands of biotite hornfels and pyroxene hornfels and grossular garnet. Bedding at 55° to axis of core.

323.0	335.2	102.2	Interbedded pyroxene hornfels, biotite hornfels, calcite hornfels, grossular garnet bands.
335.2	336.3	102.8	Calcite hornfels with minor bands of grossular garnet.
336.3	339.2	103.4	Interbedded garnet hornfels and pyroxene calcite hornfels
339.2	340.2	103.7	Calcite Hornfels
340.2	344.3	104.9	Thinly interbedded coarse grained actinolite hornfels cyrstals up to 2 mms in length, fine grained biotite hornfels bands of coarse grained pyroxene calcite hornfels and grossular garnet. Bedding at 45° to axis of core. bfb.
344.3	346.3	105.6	Calcite hornfels with minor grossular garnet bands.
346.3	347.0	105.8	Fine grained garnet hornfels
347	348.2	106.1	Coarse grained pyroxene calcite hornfels.
348.2	368.2	112.2	Thinly interbedded pyroxene hornfels, coarse grained pyroxene calcite hornfels, garnet hornfels, biotite hornfels and actinolite hornfels. Bedding at 60° to axis of core.
368.2	370.7	113.0	Med. grained garnet hornfels
370.7	401.0	122.2	Thinly interbedded biotite hornfels and pyroxene hornfels and minor actinolite hornfels. At 390' bedding at 60° to axis of core. From 398' core slightly rubbly. bh|ph

(Assays Separate File)

105

Line 15 Open Cut

Metres						
	178.4'	182.4'	4.0'	0.05	0.20	
	182.4'	185.6'	3.2'	0.31	0.92	1.0m at 0.31%
	185.6'	195.6'	10.0'	0.05	-	
	195.6'	205.6'	10.0'	0.05	-	
	205.6'	211.0'	5.4'	0.05	-	
643	211.0'	218.6' (66.63)	7.6'	0.17	1.92	
664	218.6'	224.5'	5.9'	0.41	2.42	11.9' at 0.38% WO3
684	224.5' (70.26)	230.5'	6.0'	0.36	2.16	3.6m at 0.38%
70.25	230.5'	240.5'	10.0'	0.07	0.70	
733	240.5'	250.5'	10.0'	0.11	1.10	
763	250.5'	260.5'	10.0'	0.05	-	
794	260.5'	270.5'	10.0'	0.05	-	
824	270.5'	278.2'	7.7'	0.05	-	
847	278.2'	283.2'	5.0'	0.22	1.10	
863	283.2' (86.32)	288.2'	5.0'	0.36	1.80	
878	288;2'	293.2'	5.0'	0.14	0.70	26' at 0.31% WO3
894	293.2'	298.2'	5.0'	0.31	1.55	
909	298.2'	303.2'	5.0'	0.21	1.05	7.9m at 0.31%
925	303.4' (94.24)	309.2'	6.0'	0.50	3.00	
942	309.2'	319.2'	10.0'	0.05	0.50	
973	319.2'	331.0'	11.8'	0.05	0.59	
1009	331.0'	336.0'	5.0'	0.15	0.75	
1024	336.0'	341.0'	5.0'	0.17	0.85	
104	341.0'	346.0'	5.0'	0.13	0.65	
1055	346.0'	351.0'	5.0'	0.26	1.30	
107	351.0'	356.0'	5.0'	0.11	0.55	
1085	356.0'	361.0'	5.0'	0.05	0.25	
	361.0'	366.0'	5.0'	0.05	0.25	
	366.0'	370.2'	4.2'	0.05	0.21	

New Line 7

138.5 Feet

44°

107.1 Feet

359.7S-574.9E

99640-3

25/7/1953

14/8/1953
(Abandoned)

I.S.G. Co-ords: 219,806·5 E / 564,076·0 N ; R.L. = 35·9m

0	51	Sand and rubble
51	74.2	Actinolite Hornfels
74.2	80.3	Aplite
80.3	101.8	Interbedded actinolite hornfels and biotite hornfels.
101.8	113.8	Calcite hornfels
113.8	115.0	Pyroxene Garnet Hornfels
115.0	120.6	Biotite Hornfels
120.6	127.8	Pyroxene Garnet Hornfels
127.8	137.5	Calcite Hornfels
137.5	138.5	Pyroxene Garnet Hornfels

(No Samples Taken)

(New Line 13)

425.0 Feet

530

21/7/1953

164.3 Feet

233.1S - 247.2W
99766.9 - 99752.8

12/8/1953

I.S.G. Co-ords: 219,564·1 E / 564,150·4 N ; R.L. = 53·4m.

0	101	30·78		Sand and rubble
101	118	35·97		Actinolite Hornfels
118	118.2	36·03		Interbedded pyroxene hornfels and biotite hornfels bedding at 45° to axis of core.
118.2	150.8	45·96		Actinolite Hornfels
150.8	151.6	46·21		Med. grained aplite.
151.6	169.8	51·76		Actinolite Hornfels from 162 to 166 core rubbly broken oxidised.
169.8	172.5	52·58		Med. grained aplite.
172.5	188.6	57·49		Actinolite hornfels from 180.8 to 183.3 core broken by fractures 11 1 to axis of core from 183.3 to 184 fractures at 45°.
188.6	191.5	58·37		Clayey, highly altered.
191.5	240.0	73·15		Pyroxene garnet hornfels.
240.0	242	73·76		Clayey, highly altered.
242	242.8	74·01		Actinolite Hornfels
242.8	254.4	77·54		Garnet Hornfels
254.4	261.7	79·77		Pyroxene garnet hornfels from 258.0-258.4 clayey oxidised.
261.7	267.0	81·38	pgh	Pyroxene hornfels bedding at 263 at 50° to axis of core. From 266 to 267 broken oxidised core. Δ
267	270.3	82·39		Pyroxene garnet hornfels.
270.3	271.6	82·78		Biotite hornfels.
271.6	272.3	83·00		Pyroxene garnet hornfels, core broken slightly oxidised.
272.3	282	85·95		Calcite hornfels greyish in colour. 5' core lost, mud seams (drillers report).
282	289.3	88·19	ch	Biotite hornfels, pyroxene garnet hornfels .5' of core recovered.
289.3	289.8	88·33		Pyroxene hornfels.
289.8	292.6	89·19		Calcite hornfels, fine grained.
292.6	299.0	91·14		Garnet hornfels, oxidised.
299	304.5	92·81	Δ	No core recovered.
304.5	310.0	94·49		Garnet hornfels, oxidised.
310	323.5	98·60		Interbedded garnet hornfels and thin bands pyroxene hornfels and biotite hornfels at 320' bedding at 55° to axis of core.
323.5	372.0	113·39		Garnet hornfels with minor bands of actinolite hornfels and biotite hornfels oxidised and altered.

372.0	376.5	114-76	Thinly interbedded garnet hornfels, calcite hornfels and biotite hornfels at 374' bedding 55° to axis of core.
376.5	377	114-91	Oxidised, clayey.
377	397	121-01	Interbedded biotite hornfels, actinolite hornfels and pyroxene hornfels, bedding at 380', 60° to axis of core.
397	399	121-62	bb Calcite Hornfels.
399	402.3	122-62	Angular fragments of biotite hornfels and garnet hornfels with patches of calcite in a highly altered matrix. Core is oxidised altered.
402.3	425	129-54	Thinly interbedded biotite hornfels and actinolite hornfels with bedding at 80° to axis of core. Core not altered.

(Assays Separate File)

103

Line 13 - Open Cut

242.0'	248.2'	6.2'	1.70	10.54	3.8m at 1.26% 12.4' at 1.25% WO_3
248.2'	254.4'	6.2'	0.81	5.02	
254.4'	264.4'	10.0'	0.05	0.50	
264.4'	274.4'	10.0'	0.05	0.50	
274.4'	284.4'	10.0'	0.05	0.50	
284.4'	294.4'	10.0'	0.12	1.20	
294.4'	304.5'	10.1'	0.05	0.50	
304.5'	309.8'	5.3'	0.50	2.65	
309.8'	315.1'	5.3'	0.37	1.96	
315.1'	320.5'	5.4'	0.76	4.10	49.9' at 0.74% WO_3
320.5'	325.5'	5.0'	1.52	7.60	
325.5'	330.5'	5.0'	1.11	5.55	
330.5'	335.5'	5.0'	0.83	4.15	13.0 m at 0.82%
335.5'	340.5'	5.0'	0.98	4.90	
340.5'	347.3'	6.8'	0.59	4.01	
347.3'	354.4'	7.1'	0.26	1.85	

New Line 10 — 157.1 Feet

433.8 Feet — 309.06-168.5E

65° — 99691

16/7/1953

I.S.G Co-ords : 219,686·1E / 564,109·2 N ; R.L = 51·2m

0	79.7	Sand and rubble
79.7	87.5	Fine grained light greyish green pyroxene hornfels.
87.5	122.6	Fine grained actinolite hornfels, mottled in appearance from 96 to 98'.
22.6	122.8	Med. grained aplite.
22.8	130.5	Fine grained actinolite hornfels.
30.5	132.0	Med. grained aplite.
32.0	152.5	Fine grained actinolite hornfels.
52.5	152.6	Vein of aplite with pyrite and chalcopyrite.
52.6	200.8	Fine grained actinolite hornfels from 170 to 186 core broken by fractures mainly at acute angles to axis of the core.
00.8	205.0	Med. grained aplite.
05.0	237.7	Fine grained actinolite hornfels broken by fractures at acute angles to axis of core. Mottled from 230 to 233'.
37.7	239.0	Pyroxene garnet hornfels.
39.0	256;0	Fine grained actinolite hornfels from 240.3 to 240.4. Altered clayey. From 248.7 to 256.0 core very broken, rubbly soft drilling (highly altered). 20% recovery.
56.0	317.3	Pyroxene garnet hornfels. From 270.1 to 271.8 core broken by fractures at acute angles to axis of core. Slightly altered from 306.6 to 308.3, fractures at acute angles to core.
17.3	328.2	Garnet Hornfels, From 327 to 328 mud reported by drillers (ground core).
28.2	330.2	Calcite hornfels.
30.2	330.7	Core broken, clayey, slightly altered
30.7	334.6	Biotite hornfels, core ground from 334 to 334.6'.
34.6	337.1	Pyroxene garnet hornfels core altered, rubbly.
37.1	339.4	Calcite hornfels.
39.4	345.0	Biotite hornfels rubbly, altered, fractures at 40o to axis of core. Recovery 10%.
45.0	361.4	Massive garnet hornfels with numberous veinlets of calcite.
61.4	364.1	Interbedded garnet hornfels and pyroxene hornfels, bedding at 60° to axis of core.

Depth From	Depth To	Length Ft.	Length Ins.	Description	Assay WO_3	Assay Mo
364.1	378.6			Massive garnet hornfels with minor bands of pyroxene hofnfels. Altered from 366 to 366.3, from 369.7 to 370.0, from 377.2 to 378.0.		
378.6	383.3			Biotite hornfels, core broken, highly altered.		
383.3	387.6			Biotite hornfels.		
387.6	391.0			Med. grained aplite.		
391.0	403.8			Thinly interbedded actinolite hornfels, biotite hornfels and pyroxene hornfels with minor bands of grossular garnet. From 402.2 to 403.5 highly altered clayey.		
403.8	404.8			Aplite		
404.8	433.8			Thinly interbedded biotite hornfels, actinolite hornfels and pyroxene hornfels. Bedding to axis of core varying from 50° to 65°.		
				(Assays Separate File)		

102

Line 3 - Open Cut

256.0'	266.0'	10.0'	0.51	5.10	12.2 40' at 0.55% WO_3
266.0'	276.0'	10.0'	1.13	11.30	
276.0'	286.0'	10.0'	0.10	1.00	
286.0'	296.0'	10.0'	0.45	4.50	
296.0'	306.0'	10.0'	0.05	0.50	
306.0'	317.3'	11.3'	0.07	0.79	
317.3'	320.3'	3.0'	0.67	2.01	0.9 3' at 0.67%
320.3'	330.3'	10.0'	0.07	0.70	
330.3'	340.3'	10.0'	0.05	0.50	
340.3'	350.3'	10.0'	0,05	0.50	
350.3'	360.3'	10.0'	0.05	0.50	
360.3'	370.3'	10.0'	0.05	0,50	
370.3'	378.3'	7.7'	0.05	0.38	

EOH 433'

DDH 102
1:500

5641500N

5641000N

219720E
(Section Line)

65 metres

DDH 102

219680E
(Section Line)

DDH 102.
RL = +51.18m

sand & rubble

ph

sand & rubble

ph

ah

ah

4

pgh

ah

pgh

pgh

gh

m/m

gh

gh/ph

ap

bh/ph

ap

132m

ISG SECTION
LOOKING E.

SECTION IN
PLANE OF HOLE

New Line 9 — 141.9 Feet

317.9 Feet — 322.6S-306.8E

61°

9/6/1953 — 20/7/1953

I.S.G. Co-ords: 219,727·2 E / 564,099·0 N ; R.L. = 46·5 m

0	68.2	Sand and rubble
68.2	80.6	Oxidised light greyish green pyroxene hornfels with flakes of muscovite at 80.6' (recovery poor).
80.6	84.5	No core recovered, open ground (Drillers Report)
84.5	85.7	Oxidised light greyish green pyroxene hornfels with occasional patches of brownish grossular garnet.
85.7	90.0	Coarse grained actinolite hornfels with patches of quartz.
90	101.3	Fine grained biotite hornfels slightly mottled in patches. Bedding at 97', 60° to axis of core.
101.3	103.6	Fine grained pyroxene hornfels with irregular patches of calcite with rims approx. 2 mms. wide of coarse grained pyroxene hornfels.
103.6	127.0	Interbedded fine grained actinolite hornfels and biotite hornfels at 125' bedding 70° to axis of core. At 125.7 vein of chalcopyrite associated with pyrite.
127.0	127.6	Aplite
127.6	130.2	Fine grained actinolite hornfels.
130.2	130.7	Aplite
130.7	138.6	Fine grained actinolite hornfels
138.6	140.1	Aplite
140.1	182.9	Fine grained actinolite hornfels. Core broken from 140.1 to 152.8 from 157.4 to 157.8, from 165.8 to 166.C angular fragments of actinolite hornfels in matrix of calcite. Core broken from 166 to 168.3, from 166 to 168.3 fractures at about 45° to axis of core.
182.9	183.0	Med. grained aplite.
183.0	184.7	Fine grained actinolite hornfels.
184.7	185.0	Fine grained spotted actinolite hornfels with spots of chalcopyrite 1.5 mm in diam.
185.0	211.6	Fine grained actinolite hornfels. From 190.5 to 193.8 core broken, recovery poor. From 205 to 206 core broken.
211.6	213.8	Pyroxene garnet hornfels.
213.8	231.0	Fine grained actinolite hornfels. From 219 to 221 core broken by fractures at acute angle to axis of the core.
231.0	252.8	Pyroxene garnet hornfels. From 233.9 to 234.1 core altered, clayey.

252.8	266.0	Med. grained actinolite hornfels.
266.0	268.9	Pyroxene Garnet Hornfels.
268.9	272.0	Med. grained actinolite hornfels.
272.0	276.4	Massive garnet hornfels (grossular) From 275.4 to 276.4 core broken by fractures at about 45° to axis of the core.
276.4	283.3	Massive garnet hornfels (andradite)
283.3	284.2	Spotted calcite hornfels.
284.2	288.2	Fine grained biotite hornfels.
288.2	288.6	Massive garnet hornfels.
288.6	290.1	Med. grained calcite hornfels with minor bands of pyroxene garnet hornfels.
290.1	291.3	Pyroxene garnet hornfels.
291.3	309.6	Massive garnet hornfels with a few minor bands of actinolite hornfels.
309.6	317.9	Interbedded biotite hornfels and pyroxene hornfels.

(Assays Separate File)

DIAMOND DRILL HOLE 101

Line 4 - Open Cut

Logged By:

FOOTAGES From	To	Length	ASSAY WO_3	No.	%	REMARKS
68.3'	75.0'	6.7'	0.42		2.81	16.3' at 0.23% WO_3
75.0'	84.6'	9.6'	0.11		1.06	
84.6'	88.6'	4.0'	0.09		0.36	
88.6'	95.0'	6.4'	0.07		0.45	
95.0'	101.4'	6.4'	<0.05		-	
101.4'	106.2'	2.8'	<0.05		-	
272.0'	282.0'	10.0'	0.07		0.70	
282.0'	292.0'	10.0'	<0.05		-	
292.0'	302.2'	10.2'	<0.05		-	
302.2'	306.0'	3.8'	0.86 ✓		3.27	7.4' At 0.51% WO_3
306.0'	309.6'	3.6'	0.15		0.54	
[illegible]	[illegible]	3.5'	0.06			mineralized in [illegible]
[illegible]	116'	6.8'	0.22			
[illegible]	122	7.0'	0.17			
[illegible]	[illegible]	4.7'	0.17			
[illegible]	130'	2.3'	2.47			
[illegible]	[illegible]	3.6'	0.13			
[illegible]	138'	4.4'	0.18			
[illegible]	[illegible]	6'	0.32			
[illegible]	[illegible]	3.2'	0.08'			

DDH 101
1:500

564150N

364100E

219760E

20m

DDH 101 +5m

219720E

RL = +46.55m

∞

ISG SECTION
LOOKING E.

SECTION IN
PLANE OF HOLE.