OPEN CUT

100847.1 E 99515.7 N LINE 5

+ 18'7" (M.D.)

25/6/70 8-9 m

31/7/70

845'

31/7/70

N.R. Kinnane.

Not Complete

SEE OTHER LOG TP.

I.S.G. Coords: 219,883·1 E
564,026·4 N
R.L = 9·0 m.

DIAMOND DRILL HOLE 299

SAMPLE No.	DEPTHS FROM	TO	LENGTH SAMPLED	NOTR RECD.	ASSAYS	
	66	75	9.0	7.0		
A3589	124 37.3	126	2.0	2.0	0.06	0.010
3590	126 38.4	127	1.0	1.0	1.18	0.047
3591	127 38.7	129	2.0	2.0	0.01	0.01
3592	129 39.3	131 39.9	2.0	2.0	0.08	0.019

GEOLOGICAL DESCRIPTION

VOLCANICS
0' to 107'
32.61

Volcanics:- fine to medium grained porphyritic rock with biotite pophyroblasts. Joints a
Rock well jointed with abundant clay filled 60° & 45°
and some chlorite filled joints. The rock -
is particularly pyroxene rich with ovoids and
bands of this material at 60°, some sedimentary
layers do occur. At 66.5' a quartz vein with
minor blue fluorescing scheelite crystals occurs.
13.41 14.63
44' to 48' fine grained aplite dyke.
17.37
48' to 57' biotite hornfels spotted in parts.
27.43 28.35
90' to 93' biotite hornfels spotted in parts.
30.48 32.16
100' to 105.5' fine grained chlorite/pyroxene
rich rocks with large ovoids and irregularly
shaped felspathic blobs with indentation.
Calcite common on joints. Ovoids of porphyritic
felspathoidal material at 105' to 107'.

SHALE
107' to 117'
35.66.

Shale:- fine grained black soft priable rock,
very fissile having a rather slanty deavage.

Gph
117' to 123.75'
37.72

Garnet-Pyroxene Hornfels fine grained green-
brown garnet rock with some biotite bands.
No scheelite, rock well jointed.

Bh
123.75' to 125.5
38.25

Biotite Hornfels fine grained black rock,
well jointed.

Ph/Ch
125.5' to 133'
40.54

Pyroxene/Calcite Hornfels banded fine to
medium grained hornfels and marble with very
good disseminated scheelite. at 125.5'

CEOPEKO [illegible] KING ISLAND.

SAMPLE No.	DIS[illegible]		LENGTH SAMPLED	[illegible]NCH [illegible]
	FROM	TO		

	GEOLOGICAL DESCRIPTION	FEATURE
Bh 133' to 210' 64.01	Biotite Hornfels fine grained black rock, well broken in places and veined by calcite. Spotted in some places with rather irregular areas of quartzose material, well jointed and sheared. 144.5' (44.04) to 148' (45.11) shear with numerous joints at 70° and 15° 157' (47.85) to 159' (48.46) similar area with chloritic clay filling. 165.5' (50.44) 2" Aplite with muscovite rich borders From 165.5' varies to a rock with a greenish hue rather pyroxene like and volcanic in appearance to 189'. volcs. → At 171.5' irregular quartz veins At 174' " " " Joints at At 171 (52.12) Aplitic quartz vein well jointed 20° & 70° Calcite and chlorite filling. 194 (59.13) to 194.5' (59.28) Aplite well jointed and sheared. 201.5 (61.42) to 205' (62.48) well jointed and sheared.	
Ph 210 to 215.5' 65.68	Pyroxene Hornfels fine to medium grained green rock with one irregular patch of felspathic material containing minor scheelite.	
Bh 215.5 to 313' 95.40	Biotite Hornfels fine grained black spotted rock - joints open and Joints at calcite filled. 20° & 70° 233' (71.02) to 234' (71.32) Sheared rock with calcite and chlorite filled joints. 235' (71.63) to 250' (76.20) Strongly sheared and broken, chlorite infilling dominant. Rocks fairly fine grained and continuous after 250'. 265' (80.77) to 265.5 (80.92) Ph bands.	

GLADSTONE ROAD, KING ISLAND. DIAMOND DI

SAMPLE NO.	DEPTH FROM	DEPTH TO	LENGTH SAMPLED	LENGTH RECV'D	ASSAYS

RUN	GEOLOGICAL DESCRIPTION	FEATURES
	79.25 260' to 79.55 261' Pink fine grained aplite 79.86 262' to 80.31 263.5' Aplite 60° to ⅓ of core	
	85.34 280 to 89.61 294' Sheared rock highly jointed and fractured consisting of fine grained hornfels with numerous shears being filled by calcite, chlorite, chinohumite etc. Joints at Joint sets commonly parallel. Small pyroxene patch at 290' to 292'	30°, 10 & 0°
	Core broken and crumbly throughout	Joints at 10°
	The whole zone is pyritized	with cross
	From 305.5 to 313.	set at 8
	Core well jointed at 60° and 45° with a set at right angles.	
	Aplite at 80° at 310' for 1".	
Bh/Ph	94.50 Biotite/Pyroxene Hornfels fine grained	
313' to 321	black and green rocks respectively with bands	
95.4 97.84	and blobs of pyroxene rich material.	
	Banding at = 50°	
	Some have the ovoid shapes of Pgh. Joints	
	quartz filled at 90°, 60°, and 40° set not	
	filled.	
Bh/Ph/Gh	Biotite/Pyroxene/Garnet Hornfels:- irregularly	
321' to 341'	banded rock with some skarn patches. Rock	
103.94	often approaches Pgh like material in appearance.	
	The rock has an unuasual dotted texture	Joints
	in parts. Joints calcite and chlorite	50° 30° &
	filled. Pyrite is abundant throughout much	
	of the rock scheelite is rare.	
Gph	Garnet-Pyroxene Hornfels low grade type of	
341' to 348'	skarn rock grading into Pyroxene rock irr-	Joints
106.07	egular garnet bands	70° & 45
	Both joint sets, chlorite coated.	

DIAMOND DRILL HOLE 299

Co-ords: [illegible] E 564025N
Final depth 845'
Inclination = ~88°

Volcanics
0' to 107'

Volcanics:- fine to medium grained porphyritic rock with biotite porphyroblasts

Joints at 60° & 45°

Rock well jointed with abundant clay filled and some chlorite filled joints. The rock is particularly Pyroxene rich with ovoids and bands of this material at 60°, some sedimentary layers do occur. At 66.5' a quartz vein with minor blue fluorescing scheelite crystals occurs.

44' to 48' fine grained aplite dyke
48' to 57' Biotite Hornfels spotted in part.
90' to 93' " " " " " "
100' to 105.5' fine grained chlorite/pyroxene rich rock with large ovoids and irregularly shaped felspathic blebs with indentation. Calcite common on joints. Ovoids of porphyritic felspathoidal material at 105' to 107'.

Shale
107' to 117'

Shale:- fine grained black soft friable rock, very fissile having a rather slaty cleavage.

Gph
117' to 123.75'
37.92

Garnet-Pyroxene Hornfels:- fine grained green-brown garnet rock with some biotite [illegible]. No [illegible], rock well jointed.

Bh
123.75' to 126.5'
38.25

Biotite Hornfels:- fine grained black rock, well jointed.

Pl/Ch
125.5' to 133'
40.55

Pyroxene/Calcite Hornfels:- banded fine to medium grained hornfels and marble with very good disc. scheelite @ 126.3'.

Bh
133' to 210'

Biotite Hornfels: fine grained black rock, well broken in places and veined by calcite. Spotted in some places with rather irregular areas of quartzose material, well jointed and sheared.

144.5' to 148' Shear with numerous joints at 70° & 15°

157' to 159' similar area with chloritic clay infilling.

165.5' 2" Aplite with muscovite rich borders

From 166.5' varies to a rock with a greenish hue rather pyroxene like and volcanic in appearance to 189'

At 171.5' irregular quartz veins

" 174' " " "

Joints at 20° & 70°

171' Aplitic quartz vein well jointed Calcite and chlorite filling

194' to 196.5' Aplite well jointed and sheared.

201.5' to 205' well jointed and sheared.

Ph
210' to 215.5'

Pyroxene Hornfels: fine to medium grained green rock with one irregular patch of felspathic material containing minor scheelite.

Bh
215.5' to 313'

Biotite Hornfels: fine grained black spotted rock - Joints open and calcite filled.

Joints at 20° & 70°

233' to 234' Sheared rock with calcite and chlorite filled joints

235' to 250' Strongly sheared and broken, chlorite infilling dominant

Rocks fairly fine grained and continuous after 250'

265' to 265.3' Ph bands

260 to 261' Pink fine grained aplite

262' to 263.5' Aplite 60° to ⅘ of core

280' to 294' Sheared rock highly jointed and fractured consisting of fine grained hornfels with numerous shears being filled by calcite, chlorite, chinohumite etc. Joint sets commonly parallel. Joints at 30°, 10° & 0°

Small Pyroxene patch at 290' to 292'. Joint at 10° with cross cut at 30°

Core broken and crumbly throughout.

The whole zone is pyritized

From 305.5' to 318'

Core well jointed at 60° and 45° with a set at right angles.

Aplite at 80° at 310' for 1".

Bh/Ph 318' to 321'

Biotite | Pyroxene Hornfels:- fine grained. black and green rocks respectively with bands and blobs of pyroxene rich material.

Banding at ≈ 50°

Some have the ovoid shapes of Pgh. Joints quartz filled at 90° 60° & 40° set not filled.

Bh | Ph | Gh. 321' to 341'

Biotite | Pyroxene | Garnet Hornfels:- irregularly banded rock with some skarn patches. Rock often approaches Pgh like material in appearance. The rock has an unusual dotted texture in parts. Joints calcite and chlorite filled Joints at 50°, 30° & 0°

Pyrite is abundant throughout much of the rock, sulphide is rare.

Gh 341' to 348'

Garnet - pyroxene Hornfels:- low grade type of skarn rock grading into Pyroxene rock with irregular garnet bands. Joints at 70° 45°

Both joint sets calcite coated.

Px/Gh 348' to 353'	Pyroxene / Garnet Hornfels:- banded rock, bands often indistinct. Fine grained green brown rock with some Pyrite but no scheelite. Joints often irregular and chlorite filled	Joints at 50° & 70°
Gh 353' to 355'	Garnet Hornfels:- medium to coarse grained brown rock, no scheelite. Joints open and clay filled.	Joints 45°: 80°
Bh/Px 355' to 372.5' 113-117	Biotite / Pyroxene Hornfels:- a banded fine grained green and black quartz rich rock with some garnet blebs. Bedding at 70°. Bedding plane joints common. Calcite and chlorite filling predominates on joints. Core badly broken in places, banding becomes somewhat irregular toward the bottom.	Joints at 20° & 75°
G.Skarn 372.5' to 388' 116-72	Garnet Skarn:- fine grained brown skarn with good diss. scheelite. Joints calcite filled. The steeper set is quartz	Joints at 75°, 20° & 10°
Bh/Px 388' to 391' 117-17	Biotite / Pyroxene Hornfels:- fine grained black and green rock well jointed with some shears at 388', 394' to 398'.	
Bah 391' to 419' 127-7	Biotite-actinolite Hornfels:- fine grained green black rock rather metavolc. in appearance. Large calcite filled joints at 401'. Majority of joints open and calcite or chlorite filled.	Joints at 40°, 80° & 60°

Gr/Ph/Py
419' to 428'

Garnet | Pyroxene | Biotite Hornfels :- badly broken core, sheared skarn predominates. No scheelite present. Jointing is irregular., calcite filled. Shear from 420' to 421'.

Joints at 70° & 20°

Bh/Ph.
428' to 447'

Biotite | Pyroxene Hornfels :- banded fine grained black and green rock irregular banding grading into massive biotite rock. Open and clay filled joints.

Joints at 75° & 45°

Bh
447' to 517'

Biotite Hornfels :- fine grained black competant rock, quartz rich. Joints have minor chlorite filling From 474' to 474.5' Aplite with a brecciated shear above at 50° and 60° Rock spotted below 474.5' and becoming somewhat banded, toward 500'
501' to 503' a series of steep joints quartz, calcite and pyrite filled.
After 495' All joints at 20° & 45°
Pyrite coating common on all joints.
516' Calcite filled shear at 60°

Joints at 80° & 20°

Pgh
517' to 534.5'

Pyroxene - garnet Hornfels :- ovoids of calcite and garnet set in a matrix of pyroxene. Ovoids irregular often merging into irregular patches and the ground mass.
From 520 to 524' typical pyroxene skarn with little development of ovoids and minor garnet. Good diss scheelite in some zones. Joints few rock competant. Joints steeper at 534.5' and have a calcite filling

Joints 85° & 30°

UNIT	GEOLOGICAL DESCRIPTION	JOINTING
Gh 534 to 543 1.5	Garnet Hornfels:- banded skarn rock and hornfels, the former predominating. Irregular medium grained brown skarn with interbeds of Bh and Ph The 60° Joint set commonly has shear calcite filled with minor scheelite.	Joints at 70° & 30°
Bh/Ph 543' to 574'	Biotite/Pyroxene Hornfels:- Finely interbedded Biotite/Pyroxene black and green rock with 10° to 20° bedding dip. Joint sets parallel the bedding Joints commonly clay filled or filmed with pyrite	Joints at 70° to 80°, 25
Bh/Gh/Ph/Ch 574' to 605' 18.4	Biotite/Garnet/Pyroxene/Calcite Hornfels:- banded rock predominantly Biotite and Pyroxene with some garnet and calcite bands. Bedding at 50° B.Plane joint also	Joint 40° & 8
Old Volcs 605' to 619' 13.8	Older Volcanics:- Fine to medium grained dark green porphyritic meta-volcanic Joints chlorite filled more rarely calcite filled	Joint 50°
SWAN FAULT. Breccia 619' to 629' 9.7	Breccia:- Sheared volcanics and some hornfels. Shears and joints commonly chlorite filled.	Sheared & 0°
Old Volcs 629' to 662' 33.7	Older Volcanics:- fined to medium grained dark green-black porphyritic rock - meta volcanic rather gabbroic in character in some places. Joints are chlorite filled or sealed	Joints at 40° & 75°

UNIT		JOINTING
Granite 662' to 678'	Granite :- medium to coarse grained grey granite. Felspars have not developed good crystalline shape Joints commonly calcite and chlorite coated, otherwise also in parallel sets	Joints at 20° & 10° 85° & 80°
Aplite 678' to 685'	Aplite :- fine grained pink aplite, highly fractured and broken. Joints calcite filled	Joints at 30°
Quartzite 685' to 686.5'	Quartzite :- fine grained grey siliceous rock.	Joints at 40
Granite 686.5' to 693'	Granite :- medium grained to coarse grained grey rock. Joints calcite filled	Joints at 20° & 80°
Quartzite 693' to 695'	Quartzite :- fine grained grey siliceous rock, few joints	
Granite 695' to 732'	Granite :- fine grained cream rock sheared and faulted at 722' in a vertical fragmental shear. (SEE BELOW) From 695' to 722' granite as above From 722' to 728' granite is medium grained to coarse grained and grey in colour. Joints calcite filled From 728' to 732' granite is fine grained and pink-grey in colour	Joints at 60° Joints at 80° & 20°
Quartzite 732' to 740'	Quartzite :- fine grained siliceous rock grey in colour MAYBE SOLIDIFIED LIQUID GRANITE SOLUTION	Shear at 72 Joints at 20 & 0°
Granite/Quartzite 740' to 753'	Granite / Quartzite :- banded rock with granite and quartzite band Granite is variable from fine to medium grained	

Granite
753' to 845'

Granite :- From 753' to 7875 the rock is a medium grained cream rock with calcite & clay filled joints

From 7855' to 845 the rock is the typical medium to coarse grained grey rock.

Joints at 85°

Joints at 40°

END OF HOLE AT 845' (2569')

721.5 to 723 strong fault sub-parallel to core brecciated zone with stacks of clino-humite

727.2 to 728.5 Essentially granite - fault zone

731 to 732 " " " "

J Potter JAN '80

SAMPLE N°	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC	ASSAY RESULTS WO_3 %	ASSAY RESULTS Mo %
	DIAMOND DRILL HOLE 299					
	66'	75'	9.0'	7.0'		
A 3589	124'	126'	2.0'	2.0'	0.04	0.010
A 3590	126'	127'	1.0'	1.0'	1.18	0.047
A 3591	127'	129'	2.0'	2.0'	0.01	0.01
A 3592	129'	131'	2.0'	2.0'	0.03	0.019

SAMPLE N°	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC	ASSAY RESULTS WO_3 %	ASSAY RESULTS Mo %	
A3788	371'	373'	2.0'	2.0'	0.12	<0.01	
A3789	373'	375'	2.0'	2.0'	0.77	0.027	4' at 0.4%
A3790	375'	377'	2.0'	2.0'	0.52	0.016	
A3791	377'	379'	2.0'	2.0'	0.03	<0.01	

SAMPLE N°	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC	ASSAY RESULTS WO_3 %	ASSAY RESULTS Mo %	
A 3792	515'	517'	2.0'	2.0'	0.08	0.018	
A 3793	517' 157.6	519'	2.0'	2.0'	0.81	0.031	↑
A 3794	519' 158.2	521'	2.0'	2.0'	0.34	0.029	6' at 0.53%
A 3795	523' 159.4	523'	2.0'	2.0'	0.46	<0.01	↓
A 3796	525' 160	525'	2.0'	2.0'	0.19	<0.01	
A 3797	527'	527'	2.0'	2.0'	0.06	<0.01	
A 3798	529'	529'	2.0'	2.0'	0.14	<0.01	
A 3799	531'	531'	2.0'	2.0'	0.12	<0.01	
A 3800	533'	533'	2.0'	2.0'	0.07	<0.01	
A 3801	535'	535'	2.0'	2.0'	0.04	0.018	

SAMPLE N°	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC	ASSAY RESULTS WO_3 %	ASSAY RESULTS Mo %
A 3802	535'	537'	2.0'	2.0'	0.04	0.016
A 3803	537'	539'	2.0'	2.0'	0.04	0.014
A 3804	539'	541'	2.0'	2.0'	0.04	<0.01
A 3805	541'	543'	2.0'	2.0'	0.03	0.017
A 3806	543'	545'	2.0'	2.0'	0.06	0.011
	5					

299

W E N S

100

200

300

400

500

600

700

MULTISHOT SURVEY

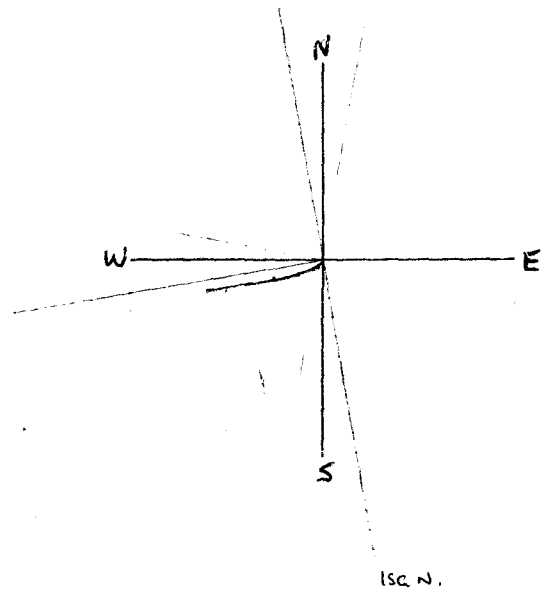
D.D.H :- 299

TOTAL DEPTH :- 845'

SURVEYED TO :- 625'

CASING DEPTH : - 75'

DATE SURVEYED :- 31/7/70



DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70

Total Depth 845' Depth Surveyed To 625'

Casing Depth 75' Surveyed By V.M. FREESTONE.

Shot No.	Time	Depth	Defl. ° '	Direct.	Shot No.	Time	Depth	Defl. ° '	Direct
	0	OPEN				22	110	1 0	S50W
	1	"				23	130	1 0	S40W
	2	"				24	moving		
	3	CLOSED				25	moving		
	4	"				26	150	1 15	S40W
	5	10'	0 15			27	moving		
	6	10'				28	170	2 0	S51W
	7	"				29	190	2 0 poss.	S70W moving
	8	"				30	moving		
	9	"				31	210	2 0	S59W
	10	"				32	230	2 30	S70W
	11	"				33	250	2 30	S75W
	12	"				34	270	2 30 poss.	S70W moving
	13	"				35	290	2 30	S70W
	14	"				36	310	3 0	S80W
	15	Moving				37	330	3 0	S76W
	16	30'	0 30			38	350	3 0	S73W
	17	50	0 30			39	—		
	18	70	0 45			40	moving		
	19	70	0 45			41	370	3 30	S76W
	20	90	1 0	S13W		42	390	3 30	S77W
	21	moving				43	410	4 0	S80W

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70

Total Depth 845' Depth Surveyed To 625'

Casing Depth 75' Surveyed By V.M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	44	430	4 0	S81W		66	470	4 0	S85W
	45	450	4 15	S80W		67	470	4 0	S85W
	46	470	4 30	S81W		68	450	3 45	W
	47	490	4 45	S84W		69	430	3 45	N88W
	48	510	4 45	S80W		70	410	3 45	N89W
	49	530	4 45	S80W		71	390	3 45	N88W
	50	550	5 0	S79W		72	370	3 45	S80W
	51	550	5 0	S79W		73	370	3 45	S80W
	52	570	5 30	S76W		74	350	3 15	S73W
	53	590	6 0	S74W		75	330	3 0	S75W
	54	610	6 15	S75W		76	310	2 15	S75W
	55	625	6 0	S70W		77	290	moving	
	56	625	6 0	S70W		78	250	poss. moving	
	57	625	6 0	S70W		79	250	1 45	S65W
	58	moving				80	230	1 45	S64W
	59	610	6 0	S73W		81	210	1 30	S70W
	60	590	5 30	S76W		82	190	1 15	S75W
	61	570	5 15	S80W		83	170	1 15	S53W
	62	550	5 0	S75W		84	150	1 0	S38W
	63	530	4 45	S80W		85	130	0 45	S40W
	64	510	4 30	S81W		86	110	1 0	S30W
	65	490	4 0	S82W		87	90	1 0	S20W

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70

Total Depth 845' Depth Surveyed To 625'

Casing Depth 75' Surveyed By V.M. FREESTONE.

Shot No.	Time	Depth	Defl. ° '	Direct.	Shot No.	Time	Depth	Defl.	Direct
	88	70	0 45						
	89	50	0 30						
	90	30	0 30						
	91	10	(Rod. moving)						
	92	Moving							
	93	Closed							
	94	"							
	95	"							
	96	Open							
	97	Open.							

REMARKS:-

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70

Total Depth 845' Depth Surveyed To 625

Casing Depth 75' Surveyed By V. M. FREESTONE.

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
10	0 15	0 15	1.0000 / 0.0044	10.000	10.000	0.044							
30	0 30	0 30	1.0000 / 0.0087	20.000	30.000	0.174							
	0 30												
50	0 30	0 30	1.0000 / 0.0087	20.000	50.000	0.174							
	0 30												
70	0 45	0 45	0.9999 / 0.0131	19.998	69.998	0.262							
	0 45					(1.00 N)							
90	1 0	1 0	0.9998 / 0.0175	19.996	89.994	0.350	S 13 W	S 20 W	0.9397 / 0.3420	0.9434 S	0.3434 W	0.9434 S	0.3434 W
	1 0						S 20 W						
110	1 0	1 0	0.9998 / 0.0175	19.996	109.990	0.350	S 50 W	S 40 W	0.7660 / 0.6428	0.2681	0.2250	1.2115	0.5684
	1 0						S 30 W						
130	1 0	1 0½	0.9998 / 0.0175	19.996	129.986	0.350	S 40 W	S 40 W	0.7660 / 0.6428	0.2681	0.2250	1.4796	0.7934
	0 30						S 40 W						
150	1 15	1 7½	0.9998 / 0.0187	19.996	149.982	0.394	S 40 W	S 39 W	0.7771 / 0.6293	0.3062	0.2489	1.7858	1.0413
	1 0						S 38 W						
170	2 0	1 37½	0.9996 / 0.0284	19.992	169.974	0.568	S 51 W	S 52 W	0.6157 / 0.7880	0.3147	0.4476	2.1355	1.4889
	1 15						S 53 W						
190	2 0	1 37½	0.9996 / 0.0284	19.992	189.966	0.568	S 70 W	S 72½ W	0.3007 / 0.9537	0.1708	0.5417	2.3063	2.0306
	1 15						S 75 W						
210	2 0	1 45	0.9995 / 0.0305	19.990	209.956	0.610	S 58 W	S 64½ W	0.4305 / 0.9026	0.2626	0.5506	2.5689	2.5812
	1 30						S 70 W						
230	2 30	2 7½	0.9993 / 0.0371	19.986	229.942	0.742	S 70 W	S 67 W	0.3907 / 0.9205	0.2899	0.6830	2.8588	3.2642
	1 45						S 64 W						
250	2 30	2 7½	0.9993 / 0.0371	19.986	249.928	0.742	S 65 W	S 70 W	0.3420 / 0.9397	0.2538	0.6972	3.1126	3.9614
	1 45						S 65						
270	2 30	2 15	0.9992 / 0.0393	19.984	269.912	0.786	S 70 W	S 70 W	0.3420 / 0.9397	0.2686	0.7386	3.3814	4.7000

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70

Total Depth 845' Depth Surveyed To 625'

Casing Depth 75' Surveyed By V.M. FREESTONE

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
290	2 30	2 30	0.9990 / 0.0436	19.980	289.892	0.872	S 70 W	S 70 W	0.3420 / 0.9397	0.2982S	0.8144W	3.6796	5.5184
310	3 0	2 45	0.9988 / 0.0480	19.976	309.868	0.960	S 80 W	S 77½ W	0.2164 / 0.9763	0.2077	0.9372	3.8873	6.4566
	2 15						S 75 W						
330	3 0	3 0	0.9986 / 0.0523	19.972	329.840	1.046	S 76 W	S 75½ W	0.2504 / 0.9681	0.2619	1.0126	4.1492	7.4692
	3 0						S 75 W						
350	3 0	3 7½	0.9985 / 0.0543	19.970	349.810	1.090	S 73 W	S 73 W	0.2924 / 0.9563	0.3187	1.0424	4.4679	8.5116
	3 15						S 73 W						
370	3 30	3 37½	0.9980 / 0.0632	19.960	369.770	1.264	S 76 W	S 78 W	0.2079 / 0.9781	0.2628	1.2363	4.7307	9.7479
	3 45						S 80 W						
390	3 30	3 37½	0.9980 / 0.0632	19.960	389.730	1.264	S 77 W	S 82½ W	0.1305 / 0.9914	0.1649	1.2531	4.8956	11.0010
	3 45						N 88 W						
410	4 0	3 52½	0.9977 / 0.0676	19.954	409.684	1.352	S 88 W	S 85½ W	0.0785 / 0.9969	0.1061	1.3478	5.0017	12.3488
	3 45						N 87 W						
430	4 0	3 52½	0.9977 / 0.0676	19.954	429.638	1.352	S 81 W	S 86½ W	0.0610 / 0.9981	0.0824	1.3494	5.0841	13.6982
	3 45						N 88 W						
450	4 15	4 0	0.9976 / 0.0698	19.952	449.690	1.396	S 80 W	S 85 W	0.0872 / 0.9962	0.1217	1.3907	5.2058	15.0889
	3 45						W						
470	4 30	4 15	0.9973 / 0.0741	19.946	469.536	1.482	S 81 W	S 83 W	0.1219 / 0.9925	0.1806	1.4709	5.3864	16.5598
	4 0						S 85 W						
490	4 45	4 22½	0.9971 / 0.0763	19.942	489.478	1.526	S 84 W	S 83 W	0.1219 / 0.9925	0.1806	1.4709	5.5670	18.0307
	4 0						S 82 W						
510	4 45	4 37½	0.9967 / 0.0807	19.934	509.412	1.614	S 80 W	S 80½ W	0.1650 / 0.9863	0.2663	1.5919	5.8333	18.6226
	4 30						S 81 W						
530	4 45	4 45	0.9966 / 0.0828	19.932	529.344	1.656	S 80 W	S 80 W	0.1736 / 0.9848	0.2875	1.6308	6.1208	21.7534
	4 45						S 80 W						
550	5 0	5 0	0.9962 / 0.0872	19.924	549.268	1.744	S 79 W	S 77 W	0.2250 / 0.9744	0.3924	1.6993	6.5132	22.9527
	5 0						S 75 W						

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 299 Date Surveyed 31/7/70.

Total Depth 845' Depth Surveyed To 625'

Casing Depth 75' Surveyed By V. M. FREESTONE

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
570	5 130	5 22½	0.9956 / 0.0937	19.912	569.180	1.874	S 76W	S 78W	0.2079 / 0.9781	0.3896S	1.8329W	6.9028	24.7856
	5 15						S 80W						
590	6 0	5 45	0.9950 / 0.1002	19.900	589.080	2.004	S 74W	S 75W	0.2588 / 0.9659	0.5186	1.9357	7.4214	26.7213
	5 30						S 76W						
610	6 15	6 7½	0.9943 / 0.1077	19.886	608.966	2.154	S 75W	S 74W	0.2756 / 0.9613	0.5936	2.0106	8.0150	28.7919
	6 0						S 73W						
625	6 0	6 0	0.9945 / 0.1045	14.917 ~~19.890~~	623.883 ~~620.856~~	1.567 ~~2.090~~	S 70W	S 70W	0.3420 / 0.9397	0.5359	1.4725	8.5509	30.2644

DIAMOND DRILL HOLE NO. 298

LOCATION: No. 1 Orebody

CO-ORDINATES: 99,100N. 99756.5E

R.L.: 30.7'

DATE COMMENCED: 30th May, 1970.

DATE COMPLETED: 24th June, 1970

FINAL DEPTH: 420 Feet

DIP SURVEYS:

LOGGED BY: N. R. Kinnane

I.S.G. Co-ords: 219,562.3 E
564,130.1 N

R.L. = 12.7m

					WC_3	Mo
	0	1	1	1		
	1	31	30	30		
	31	36	5	5		
	36	98	62	62		
	98	101	3	2		
	101	102	1	1		
	102	108.5	6.5	6.5		
	108.5	138	29.5	29.5		
	138	218	80	80		
A3493	215	217	2	2	0.05	(0.01
A3494	217	219	2	2	0.62	0.019
A3495	219	221	2	2	0.48	0.023
A3496	221	223	2	2	0.05	(0.01
	219	222	3	3		
	222	224	2	2		
	224	227	3	3		

GRANITE - 0 - 1	GRANITE, medium grained pink grey granite dyke.
BIOTITE HORNFELS 1 - 31 9.46	BIOTITE HORNFELS, fine grained black rock, core highly broken, jointed and fractured. 90°,60°,
APLITE 31 - 36 10.97	APLITE, fine to medium grained grey aplite.
BIOTITE HORNFELS 36 - 102 31.09	BIOTITE HORNFELS, fine grained black rock highly jointed and fractured. Aplite 51' to 51.3' 90°,75°,5° 20°
GRANITE 102 - 108.5 33.07	GRANITE, porphyritic granite dyke coarse to fine grained margins of dyke quite sharp.
BIOTITE HORNFELS 108.5 - 138 42.06	BIOTITE HORNFELS, fine grained black rock, well jointed with calcite filling some quartz. 109 - 109.5, Aplite fine grained pink rock.
PYROXENE GARNET HORNFELS 138-218 66.45	PYROXENE/GARNET HORNFELS, fine grained black rock with coarse grained ovoids of calcite, epidote, quartz, garnet rims. 140' to 141' garnet/pyroxene bands with minor scheelite. The rock becomes more skarn like below 158'.After 158' the groundmass is garnet and pyroxene with coarse calcite-garnet ovoids. Fault 151.5 to 152. Minor patches of scheelite, joints steep and shallow. 177' to 184' vertical calcite filled joint runs full length of core. Large calcite patches common but still typical pyroxene garnet hornfels. From 205 to 211 biotite hornfels with some pyroxene bands common. 212 - 215 aplite absorbing skarn. Minor scheelite.
SKARN 219-222 67.67	SKARN, quartz rich skarn rock containing abundant pyrite with little or no scheelite. Well jointed rock. 70°
FAULT 222 - 224 68.24	FAULT, Brecciated core with fragments of hornfels set in calcite matrix. 4" stick of core taken as sample.
SKARN 224-227 69.19	SKARN, coarse grained quartz calcite skarn containing abundant pyrite and little scheelite. Becomes banded below 226'.

					MO_3	Mo
	227	236.5	9.5	9.5		
	236.5	240.5	4	4		
	240.5	245	4.5	4.5		
	245	254.5	9;5	9.5		
A3519	253	255	2	2	0.07	(0.01
A3497	255	257	2	2	0.16	0.011
A3498	257	259	2	2	0.03	0.010
A3499	259	261	2	2	0.96	0.042
A3500	261	263	2	2	0.47	0.024
A3501	263	265	2	2	0.92	0.039
A3502	265	267	2	2	1.44	0.053
A3503	267	269	2	2	1.47	0.051
A3504	269	271	2	2	0.34	0.011
A3505	271	273	2	2	0.05	0.010
A3506	273	275	2	2	0.27	0.011
A3507	275	277	2	2	0.85	0.015
A3508	277	279	2	2	1.16	0.018
A3509	279	281	2	2	0.79	0.028
A3510	281	283	2	2	0.55	(0.01
A3511	283	285	2	2	0.23	(0.01
A3512	285	287	2	2	0.03	(0.01
A3513	287	289	2	2	0.08	0.014
A3514	289	291	2	2	0.06	(0.01
A3515	291	293	2	2	0.11	(0.01
A3516	293	295	2	2	0.09	(0.01
A3517	295	297	2	2	0.04	(0.01
A3518	297	299	2	2	0.03	(0.01
A3570	299	201	2	2		
A3571	301	303	2	2		
	396	400	4	1		

BIOTITE/PYROXENE/GARNET/CALCITE HORNFELS
227 - 236.5
69.19 72.09

BIOTITE/PYROXENE/GARNET/CALCITE HORNFELS, banded fine grained hornfels, well jointed with calcite and chlorite joint fillings.

CALCITE HORNFELS
236.5 - 240.5
73.30

CALCITE HORNFELS, medium grained grey slightly banded rock with minor scheelite.

BIOTITE HORNFELS
240.5 - 245
74.68

BIOTITE HORNFELS, fine grained black rock with numerous joints and isolated Pyroxene Garnet Hornfels bands.

CALCITE HORNFELS
245 - 254.5
77.57

CALCITE HORNFELS, medium grained grey banded rock no scheelite mineralisation, some Biotite/Pyroxene bands.

GARNET/PYROXENE HORNFELS
254.5 to 271.5
82.75

GARNET/PYROXENE HORNFELS, fine to medium grained skarn rock, green-brown in colour grades into a more coarse banded rock at 270'. Calcite rock at 271'. Good fine disseminated scheelite.

CALCITE/PYROXENE BIOTITE HORNFELS
271.5 - 273
83.21

CALCITE/PYROXENE/BIOTITE HORNFELS, small zone of fine grained banded rock of hornfelsic nature. Fine grained, no scheelite.

GARNET/PYROXENE HORNFELS
273 - 285
86.87

GARNET-PYROXENE HORNFELS, fine grained to medium grained slightly banded rock. Rich in pyrite and scheelite.

GARNET PYROXENE/BIOTITE/GARNET/PYROXENE HORNFELS
285 - 322.5
98.30

GARNET PYROXENE/BIOTITE/GARNET/PYROXENE HORNFELS fine to medium grained banded rock withminor scheelite. Grades into Volcanics at 321'.

GRANITE
322.5 - 420
128.02

GRANITE, coarse grained granitic rock with patches of remobilised sediments. Volcanics - 337 to 341'. Abundant chlorite at 336'. Much core loss from 400' to 420'.

400	403	3	1
403	406	3	1
406	408	2	1
408	410	2	1
410	413	3	0.5
413	417	4	0.5
417	420	3	0.5

END OF HOLE - 420 FEET

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 298

Logged By: N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A3493	215 (65.5)	217	2	0.05	(0.01		
A3494	217 (66.1)	219	2	0.62	0.019	1.24	4' at 0.55% WO_3
A3495	219 (66.7)	221 (67.8)	2	0.48	0.023	.96	
A3496	221 (67.4)	223	2	0.05	(0.01		
A3519	253 (77.1)	255	2	0.07	(0.01		
A3497	255 (77.7)	257	2	0.16	0.011		
A3498	257 (78.3)	2 59	2	0.08	0.010		
A3499	259 (78.9)	261	2	0.98	0.042	1.96	
A3500	261 (79.5)	263	2	0.47	0.240	0.94	
A3501	263 (80.2)	265	2	0.92	0.039	1.84	
A3502	265 (80.8)	267	2	1.44	0.053	2.88	
A3503	267 (81.4)	269	2	1.47	0.051	2.94	
A3504	2 69 (82.0)	271	2	0.34	0.011	0.68	24' at
A3505	271 (82.6)	273	2	0.05	0.010	0.10	0.77% WO_3
A3506	273 (83.2)	275	2	0.27	0.011	0.54	
A3507	275 (83.8)	277	2	0.85	0.015	1.70	7.3m at 0.77%.
A3508	277 (84.4)	279	2	1.16	0.018	2.32	
A3509	279 (85.0)	281	2	0.79	0.028	1.58	
A3510	281 (85.6)	283	2	0.55	(0.01	1.10	
A3511	283 (86.2)	295	2	0.23	(0.01		
A3512	285 (86.9)	287	2	0.03	(0.01		
A3513	287 (87.5)	289	2	0.08	0.014		
A3514	289 (88.1)	291	2	0.06	(0.01		
A3515	291 (88.7)	293	2	0.11	(0.01		
A3516	293 (89.3)	295	2	0.09	(0.01		
A3517	295 (89.9)	297	2	0.04	(0.01		
A3518	297 (90.5)	299	2	0.03	(0.01		
A3570	299 (91.1)	301 (92.3)	2	0.03	(0.01		
A3571	301 (91.7)	303	2	0.11	(0.01		

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET No. 1

	4	5		6	7	8	9	10	11	12	13	14			15		16	
	Cosine Sine of mean Drift angle	Mean Drift angle Cotangent ~~Tangent~~		Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine of Mean Drift Direction	Mean Drift Direction ~~Cotangent~~ Tangent	Deflection	Coordinate Difference N	S	E	W	Rectangular Difference N	S	E	W
1	0.9998																	
5	0.0218	1	15	19.996	299.94	0.4360	S 30 E	0.8829	S 28 E	5.971	0.3349		0.2047		4.5700		3.6925	
5							S 26 E											
5		1	15	19.996	319.936	0.4360	S 30 E	0.9063 0.4226	S 23 E	6.414	0.3951		0.1842		4.9631		3.8767	
5							S 28 E											
7	0.9998 0.0175	1	0	19.996	339.932	0.3500	S 29 E	0.8192 0.5736	S 35 E	6.764	0.2867		0.2008		5.2518		4.0775	
7							S 32 E											
		1	0	19.996	359.928	0.3500	S 44 E	0.7431 0.6691	S 42 E	7.114	0.2601		0.2342		5.5719		4.3117	
							S 40 E											

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

D.H.N. = 218.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14		15
oth	Course Length	Drift Angle	Cosine Sine of mean Drift angle	Mean Drift angle Cotangent ~~Tangent~~	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine of Mean Drift Direction	Mean Drift Direction Cotangent ~~Tangent~~	Deflection	Coordinate Difference S	E	W	Rectangular N
300	20	° ′ 1 15	0.9998 0.0218	1 15	19.996	299.94	0.4360	S 30 E	~~0.8660~~ 0.8829 ~~0.5000~~ 0.4695	S 28 E	5.2780	0.3849	0.2047		N 5700 ~~N 5635~~
		1 15						S 26 E							
320	20	1 15		1 15	19.996	319.936	0.4360	S 30 E	0.9063 0.4226	S 25 E	6.1140	0.3951	0.1842		N 9631 ~~N 9586~~
		1 15						S 28 E							
340	20	1 0	0.9998 0.0175	1 0	19.996	339.932	0.3500	S 32 E	0.8192 0.5736	S 35 E	6.2440	0.2867	0.2008		5.2318 ~~5.2265~~
		1 0						S 32 E							
360	20	1 0		1 0	19.996	359.928	0.3500	S 44 E	0.7431 0.6691	S 42 E	7.1440	0.2604	0.2342		5.5719 ~~5.5654~~
		1 0						S 40 E.							

EASTMAN MULTISHOT DRILL HOLE SU

CALCULATION SHEET NO. 2

U.J.H. – 298

DATE SURVEYED – 1/7/70

TOTAL DEPTH – 420'

SURVEYED TO – 360'

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
epth	Course Length	Drift Angle	Cosine ~~of~~ Sine of Mean Drift angle	Mean Drift angle ~~Cosine~~ Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine ~~of~~ Sine of mean Drift angle
		° ′	0.9996	° ′	9.9980		0.1750		
10	10	1 0	0.0175	1 0	19.996	9.9980	0.3600	S	
		1 0						S	
20	10	1 0		1 0	9.9980	19.996	0.1750	S 36 E	0.8192 0.5736
		1 0						S 34 E	
40	20	1 0		1 0	19.9960	39.992	0.3500	S 62 E	0.5150 0.8572
		1 0						S 56 E	
60	20	1 0	0.9998 0.0196	1 7½	19.9960	59.988	0.3920	S 63 E	0.5736 0.8192
		1 15						S 48 E	
80	20	1 0	0.9998 0.0175	1 0	19.9960	79.984	0.3500	S 50 E	0.7660 0.6428
		1 0						S 31 E	
100	20	1 15	0.9998 0.0218	1 15	19.9960	99.980	0.4360	S 30 E	0.7880 0.6157
		1 15						S 46 E	
120	20	1 15		1 15	19.9960	119.976	0.4360	S 32 E	0.8290 0.5592
		1 15						S 35 E	
140	20	1 15		1 15	19.9960	139.972	0.4360	S 36 E	0.8947 0.7193
		1 15						S 55 E	
160	20	1 15		1 15	19.9960	159.968	0.4360	S 40 E	0.7547 0.6561
		1 15						S 42 E	
180	20	1 15	0.9998 0.0196	1 7½	19.9960	179.964	0.3920	S 48 E	0.6293 0.7771
		1 0						S 54 E	
200	20	1 0		1 0	19.996	199.960	0.3500	S 48 E	0.7771 0.6293
		1 0						S 30 E	
220	20	1 0		1 0	19.996	219.956	0.3500	S 35 E	0.8660 0.5000
		1 0						S 25 E	
240	20	1 15	0.9998 0.0196	1 7½	19.996	239.952	0.3920	S 25 E	0.9272 0.3746
		1 0						S 20 E	
260	20	1 15	0.9998 0.0218	1 15	19.996	259.948	0.4360	S 16 E	0.9063 0.4226
		1 15						S 35 E	
280	20	1 15		1 15	19.996	279.944	0.4360	S 26 E	0.8480 0.5299
		1 15						S 38 E	

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13		14		15		16	
Mean Drift Direction ~~Tangent~~	Deflection	Co-ordinate Difference				Rectangular Difference			
		N	S	E	W	N	S	E	W
	0·1750								
.6428 7660 S 35 E (S 50 E)	0·3500	0·2250 ~~0·1674~~		0·2681 ~~0·1004~~		0·2250		0·2681	
S 59 E	0·7000	0·1802		0·3000		0·4052		0·5681	
S 55 E	1·0920	0·2248		0·3211		0·6300		0·8892	
S 40 E	1·4420	0·2681		0·2250		0·8981		1·1142	
S 38 E	1·8780	0·3436		0·2684		1·2417		1·3826	
S 37 E	2·3140	0·3614 ~~0·1938~~		0·2438		1·6031		1·6264	
S 46 E	2·7500	0·3029		0·3136		1·9060		1·9400	
S 41 E	3·1860	0·3290		0·2860		2·2350		2·2260	
S 51 E	3·5780	0·2467		0·3046		2·4817 ~~2·1762~~		2·5306	
S 39 E	3·9280	0·2720		0·2202		2·7537 ~~2·7472~~		2·7508	
S 30 E	4·2780	0·3031		0·1750		3·0568 ~~3·0607~~		2·9258	
S 22 E	4·6700	0·2625		0·1468		3·4203 ~~3·4150~~		3·0726	
S 25 E	5·1080	0·3851		0·1842		3·8154 ~~3·8000~~		3·2568	
S 32 E	5·5420	0·3697		0·2310		4·1851 ~~4·1706~~		3·4878	

298

W E N S

DDH - 298
Date surveyed 1/7/79
Total depth 420'
Surveyed to 360'

100'

200'

300'

400'

[redacted]

N

W E

S

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

1 of 2 sheets

D.D.H. No. 298 Date Surveyed 1/7/70

Total Depth 420 Depth Surveyed To 360

Casing Depth _____ Surveyed By V. M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	0	OPEN				22	220	1 0	S35E
	1	OPEN				23	240	1 15	S25E
	2					24	260	1 15	S16E
	3					25	280	1 15	S26E
	4					26	300	1 15	S30E
	5					27	300	1 15	S30E
	6	10'	1° 0'	S0°		28	320	1 15	S30E
	7	10'	(Perhaps moving)			29	340	1 0	S39E
	8	20	(moving)			30	360	(Perhaps moving)	
	9	20	1 0	S36E		31	360	1 0	S44E
	10	40	(moving)			32	360	1 0	S41E
	11	40	1 0	S62E		33	360	1 0	S40E
	12	60	1 0	S63E		34	340	1 0	S32E
	13	80	1 0	S50E		35	moving		
	14	100	1 15	S30E		36	320	1 15	S20E
	15	100	1 15	S30E		37	300	1 15	S26E
	16	120	1 15	S32E		38	280	1 15	S38E
	17	140	1 15	S36E		39	260	1 15	S35E
	18	160	1 15	S40E		40	240	1 0	S20E
	19	180	1 15	S48E		41	220	1 0 (perhaps moving)	S25E
	20	200	1 0	S46E		42	200	1 0	S30E
	21	200	1 0	S50E		43	180	1 0	S34E

REMARKS:- _____

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

2 of 2 sheets

D.D.H. No. 298 Date Surveyed 1/7/70

Total Depth 420 Depth Surveyed To 360

Casing Depth _____ Surveyed By V. M. FREESTON

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	44	160	1° 15'	S 42 E					
	45	140	1 15	S 55 E					
	46	120	(1° 15' perhaps	S 35 E moving)					
	47	100	1 15	S 46 E					
	48	80	1 0	S 31 E					
	49	60	1 15	S 48 E					
	50	40	1 0	S 56 E					
	51	20	1 0	S 34 E					
	52	10	1 0	S					
	53	10							
	54	10							
	55	Closed							
	56	"							
	57	"							
	58	"							
	59	OPEN (No response FROM LIGHT)							
	60	OPEN							

REMARKS:-

BANKFIELD WELL NO. 297

LOCATION: No. 1 Orebody, Line 14

CO-ORDINATES: 99,632.94E : 99,790.92N

R.L.: 3875

DATE COMMENCED: 6th May, 1970.

DATE COMPLETED:

FINAL DEPTH:

WELL SURVEYED:

LOGGED BY: N. R. Kinnane.

38.75
10.81
49.56
+ 15.1 m R.L

I.S.G. Co-ords: 219,529.0E
564,163.0
R.L = 15.1m

	25	26	1	0.5	WO_3	Mo
A2773	169	171	2	2	0.08	0.024
A2774	171	173	2	2	0.54	0.010
A2775	173	175	2	2	0.24	(0.01
A2776	175	177	2	2	0.15	(0.01
A2779	177	179	2	2	0.20	(0.01
A2778	179	181	2	2	1.76	0.044
A2779	181	183	2	2	0.46	(0.01
A2780	183	185	2	2	0.27	(0.01
A2781	185	187	2	2	0.46	(0.01
A2782	187	189	2	2	0.10	(0.01
A2783	189	191	2	2	0.56	(0.01
A2784	191	193	2	2	0.12	(0.01
A2785	193	195	2	2	0.08	0.019
A2786	195	197	2	2	0.42	0.012
A2787	197	199	2	2	0.01	(0.01
A2788	212	214	2	2	0.03	(0.01
A2789	214	215	2	2	0.25	(0.01
A2790	215	217	2	2	0.03	(0.01

	DETAILED DESCRIPTION	
ACTINOLITE HORNFELS 0-136	ACTINOLITE HORNFELS, fine grained black green rock, well jointed. From 33 to 38 some fracturing. Granite 17' - 18', Small aplite dyke 15.5'. Spotted actinolite rock 64' to 67'. 78' to 83' - breccia, aplite infilling with clinohumite. Joints and fault planes. Rocks rather like metavolcanics. Aplite 125 to 125.5 and 122 to 124.5.	85 - 70° 45° 70 to 90° 15 and 45°
PYROXENE -GARNET HORNFELS 136-168 41.4-51.2	PYROXENE-GARNET HORNFELS, typical Pgh fine grained black rock, containing ovoids of calcite, grossular garnet and diopside, no seheelite. Coarse actinolite common. Breccia 146 to 148'. 44-5 45-1	
BIOTITE HORNFELS 168 - 171 51.2 - 52.1	BIOTITE HORNFELS, jointed and veined with calcite, fine grained black rock.	
GARNET/GARNET-PYROXENE/PYROXENE BIOTITE CALCITE HORNFELS 171 - 193 52.1 - 58.83	BANDED GARNET/GARNET-PYROXENE/PYROXENE/BIOTITE/ CALCITE HORNFELS, a banded rock consisting of alternating layers of these rocks with garnet predominating.	
BIOTITE HORNFELS 193 - 196.5	BIOTITE HORNFELS, fine grained black rock with some pyroxene hornfels from 195 to 196. Broken core with some garnet rock.	
CALCITE HORNFELS 196.5 - 214 59.9 65.2	CALCITE HORNFELS, fine to medium grained grey rock. Joints calcite filled.	Joints 60 & 30°
GARNET/PYROXENE HORNFELS 214 - 215.5	GARNET/PYROXENE HORNFELS, banded medium grained garnet rock, good disseminated scheelite.	
CALCITE HORNFELS 215.5 to 225	CALCITE HORNFELS, some garnet bands in a medium grained calcite rock - bedding low angles, minor pyroxene and biotite bands.	Joints 45° & 15

SAMPLE NO.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH ANALYSED	ASSAYS WO_3	ASSAYS Mo
A2865	244	246	2	2	0.05	(0.01
A2866	246	248	2	2	0.54	(0.01
A2867	248	250	2	2	1.25	0.024
A2868	250	252	2	2	0.35	(0.01
A2869	252	254	2	2	0.03	(0.01
A2870	254	256	2	2	0.02	(0.01
A2871	256	258	2	2	0.03	(0.01
A2872	258	260	2	2	0.04	(0.01
A2873	260	262	2	2	0.02	(0.01
A2874	262	264	2	2	0.06	(0.01
A2875	264	266	2	2	0.04	(0.01
A2876	266	268	2	2	0.04	(0.01
A2877	268	270	2	2	0.90	0.012
A2878	270	272	2	2	1.82	0.013
A2879	272	274	2	2	0.74	(0.01
A2880	274	276	2	2	0.10	(0.01
A2881	276	278	2	2	0.76	0.017
A2882	278	280	2	2	0.43	(0.01
A2883	280	282	2	2	0.08	(0.01
A2884	282	284	2	2	0.06	(0.01
A2885	284	286	2	2	0.06	(0.01
A2886	286	288	2	2	0.03	(0.01
A2887	288	290	2	2	0.03	(0.01
A2888	290	292	2	2	1.45	0.044
A2889	292	294	2	2	0.05	(0.01
A2890	294	296	2	2	0.11	(0.01
A2891	296	298	2	2	0.73	0.012
A2892	298	300	2	2	0.72	0.015
A2893	300	302	2	2	0.86	0.024
A2894	302	304	2	2	0.13	(0.01
A2895	304	306	2	2	0.06	(0.01
A2896	306	308	2	2	0.15	(0.01
A2897	308	310	2	2	0.09	0.015

SAMPLE No.	DISTANCE	LENGTH SAMPLED	LENGTH RECVD	REMARKS

GEOLOGICAL DESCRIPTION

GRANITE 349 - 441 GRANITE, well jointed reddish granite.
Chlorite and humite filled.

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 297

LOGGED BY N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A2773	169 51.5 / 52.1	171	2	0.08	0.024		
A2774	171 52.7	173	2	0.54	0.010	1.08	0.6m at 0.54%
A2775	173 53.3	175	2	0.24	(0.01	0.48	
A2776	175 53.9	177	2	0.15	(0.01	0.30	
A2777	177 54.5	179	2	0.20	(0.01	0.40	
A2778	179 55.2	181	2	1.76	0.044	3.52	26 Feet at 0.41% WO_3
A2779	181 55.8	183	2	0.46	(0.01	0.92	
A2780	183 56.4	185	2	0.27	(0.01	0.54	
A2781	185 57.0	187	2	0.46	(0.01	0.92	
A2782	187 57.6	189	2	0.10	(0.01	0.20	5.5m at 0.47%
A2783	189 58.2	191	2	0.56	(0.01	1.12	
A2784	191 58.8	193	2	0.12	(0.01	0.24	
A2785	193 59.4	195	2	0.08	0.019	0.16	
A2786	195 60.0	197	2	0.42	0.012	0.84	
A2787	197	199	2	0.01	(0.01		
A2788	212 64.6	214	2	0.03	(0.01		
A2789	214 65.2	216	2	0.25	(0.01		2' at 0.25% WO_3
A2790	216 65.8	217	1	0.03	(0.01		
A2865	244 14.4 / 15.0	246	2	0.05	(0.01		
A2866	246 75.6	248	2	0.54	(0.01	1.08	
A2867	248 76.2	250	2	1.25	0.024	2.50	6' at 0.71% WO_3
A2868	250 76.8	252	2	0.35	(0.01	0.70	1.8m at 0.71%
A2869	252 77.62	254	2	0.03	(0.01		
A2870	254 78.03	256	2	0.02	(0.01		
A2871	256	258	2	0.03	(0.01		
A2872	258	260	2	0.04	(0.01		
A2873	260	262	2	0.02	(0.01		
A2874	262	264	2	0.06	(0.01		
A2875	264	266	2	0.04	(0.01		
A2876	266	268	2	0.04	(0.01		
A2877	268 81.7	270	2	0.90	0.012	1.80	
A2878	270 82.3	272	2	1.82	0.013	3.64	3.7m at 0.79%
A2879	272 82.9	274	2	0.74	(0.01	1.48	12 feet at 0.79% WO_3
A2880	274 83.5	276	2	0.10	(0.01	0.20	
A2881	276 84.1	278	2	0.76	0.017	1.52	
A2882	278 84.7	280	2	0.43	(0.01	0.86	
A2883	280 85.3	282	2	0.08	(0.01		
A2884	282 85.9	284	2	0.06	(0.01		
A2885	284 86.5	286	2	0.06	(0.01		
A2886	286	288					

BRECCIA 225 - 231 686 704	BRECCIA, clay containing minor rock fragments with abundant chlorite and some pyrite.	
CALCITE/GARNET-PYROXENE HORNFELS 231 - 247 76.29	CALCITE/GARNET-PYROXENE HORNFELS, sheared and jointed rock with abundant pyrite as large disseminated crystals. Some biotite bands. Joints calcite filled.	Joints at 80, 45, and 11 to core.
PYROXENE/GARNET HORNFELS 247 - 252 76.8	PYROXENE/GARNET HORNFELS, a medium grained pyroxene-garnet skarn with abundant pyrite and minor calcite filled jointing. Some chlorite filling.	70 & 90°
BANDED CALCITE-GARNET HORNFELS 252 - 269 80.0	BANDED CALCITE/GARNET HORNFELS, well banded rock with pyroxene and biotite hornfels.	Bedding pl at 25, 70 & 45°
CALCITE/PYROXENE HORNFELS 269 - 276	CALCITE/PYROXENE HORNFELS, a calcite pyroxene skarn containing abundant pyrite and scheelite.	
BRECCIA 276 - 281 841 - 856	BRECCIA, brecciated calcite/pyroxene hornfels with calcite filled fractures and joints. Joints chlorite filled.	
GARNET PYROXENE, BIOTITE/PYROXENE HORNFELS 281-297	GARNET PYROXENE/BIOTITE/PYROXENE HORNFELS, banded garnet rock, minor disseminated scheelite, minor sulphide. Some brecciation.	60 & 80
CALCITE-PYROXENE HORNFELS 297-301	CALCITE-PYROXENE HORNFELS, with abundant sulphide well jointed.	30 & 80
GARNET/BIOTITE PYROXENE HORNFELS 302 - 315.5	GARNET/BIOTITE/PYROXENE HORNFELS, variable banded rock containing Garnet, biotite, pyroxene hornfels.	45, 60 & 30
APLITE 315.5-349 1064	APLITE, fine to medium grained grey cream aplite - abundant pyrite as crystals and massive blebs.	

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 297

LOGGED BY N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A2887	288 87.8 88.4	290	2	0.01	(0.01		
A2888	290 89.0	292	2	1.45	0.044	2.90	
A2889	292 89.6	294	2	0.05	(0.01	0.10	
A2890	294 90.22 ~~89.9~~	296	2	0.11	(0.01	0.22	12 feet at 0.65% WO_3
A2891	296 90.8	298	2	0.73	0.012	1.46	3.7 m at 0.65 WO_3
A2892	298 91.4	300	2	0.72	0.015	1.44	
A2893	300 92.0	302	2	0.86	0.024	1.72	
A2894	302 92.6	304	2	0.13	(0.01		
A2895	304	306	2	0.06	(0.01		
A2896	306 93.27	308	2	0.15	(0.01		
A2897	308 93.88	310	2	0.09	0.015		

DDH 297

CASING 12'

SURVEYED 9/6/70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
20	20	1°.00	.9998 .0175	.0175	19.996	19.996	.350	N80W	.1736 .9848
40	20	1°.30'	.9997 .0262	.0262	19.990	39.986	.524	N05W	.4226 .9063
60	20	1°.45'	.9995 .0305	.0306	19.990	59.926	.610	N75W	.2588 .9659
80	20	2°.00	.9994 .0349	.0349	19.988	79.914	.698	N85W	.0872 .9962
* 100	20	1°.45	.9995 .0305	.0305	19.990	*99.904	.610	N80W	.1736 .9848
120	20	2°.00	.9994 .0349	.0349	19.988	119.892	.698	N89W	.0175 .9998
140	20	2°.00	.9994 .0349	.0349	19.988	139.880	.698	N87W	.0523 .9986
160	20	2°.15'	.9992 .0393	.0393	19.984	159.864	.786	S70W	.3420 .9397
180	20	2°.00	.9994 .0349	.0349	19.988	179.852	.698	S71W	.2256 .9455
* 200	20	1°.45'	.9995 .0305	.0305	19.990	*199.842	.610	S70W	.3420 .9397
220	20	1°.30'	.9997 .0262	.0262	19.940	219.782	.524	S90W	.1736 .9848
240	20	1°.45'	.9995 .0305	.0306	19.990	239.772	.610	S83W	.1219 .9925
260	20	1°.45'	.9995 .0305	.0306	19.990	259.762	.610	S86W	.0698 .9976
280	20	1°.45'	.9995 .0305	.0306	19.990	279.752	.610	N89W	.0175 .9998
* 300	20	1°.30'	.9997 .0262	.0262	19.940	* 299.692	.524	N80W	.1736 .9848
320	20	1°.45'	.9995 .0305	.0306	19.990	319.682	.610	S80W	.1736 .9848
340	20	1°.30'	.9997 .0262	.0262	19.940	339.622	.524	0W	.0000 1.0000
360	20	1°.30'	.9997 .0262	.0262	19.940	359.562	.524	S75W	.2588 .9659
380	20	1°.45'	.9995 .0305	.0306	19.990	379.552	.610	S87W	.0523 .9986
* 400	20	1°.45'	.9995 .0305	.0306	19.990	* 399.542	.610	S85W	.0872 .9962
420	20	2°.00	.9994 .0349	.0349	19.986	419.530	.698	S85W	.0872 .9962
20	20	.45'	.9999 .0131	.0131	19.998	19.998	.262	N45W	.7071 .7071
40	20	1°.45'	.9995 .0305	.0306	19.990	39.988	.610	N87W	.0523 .9986
60	20	1°.00'	.9998 .0175	.0175	19.996	59.984	.350	N75W	.2588 .9659
80	20	1°.45'	.9995 .0305	.0306	19.990	79.974	.610	N85W	.0872 .9962
* 100	20	1°.45'	.9995 .0305	.0306	19.990	99.964	.610	N84W	.0995 .0872
120	20	2°.00	.9994 .0349	.0349	19.988	119.952	.698	N85W	.0872 .9962
140	20	2°.00	.9994 .0349	.0349	19.988	139.940	.698	S70W	.3420 .9397
160	20	2°.00	.9994 .0349	.0349	19.988	159.928	.698	0°W	.0000 1.0000

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13			14	15			16
Contangent Tangent	Deflection	Coordinate Difference				Rectangular Difference			
		N	S		W	N	S		W
·1763	·350								
·4663	·874	0·061			·345	·061			·345
·2679	1·484	·232			·475	·293			·820
·0875	2·182	·158			·589	·451			1·409
·1763	2·792	·061			·695	·512			2·104
·0175	3·490	·106			·601	·618			2·705
·0524	4·188	·012			·698	·630			3·403
·3640	4·974		·037		·697	·593			4·100
·3443	5·672		·269		·738	·324			4·838
·3640	6·282		·228		·660	·096			5·498
·1763	6·806		·209		·573		·113		6·071
·1228	7·416		·091		·516		·204		6·587
·0699	8·026		·074		·605		·278		7·192
·0175	8·636		·043		·609		·321		7·801
·1763	9·160	·011			·610		·310		8·411
1763	9·770	·091			·516		·219		8·927
·0000	10·294		·106		·601		·325		9·528
·2679	10·818		00		·524		·475		10·052
·0524	11·428		·136		·506		·461		10·558
·0875	12·038		·032		·609		·493		11·167
·0875	12·736		·053		·608		·546		11·775
			·061		·695		·607		12·470
Cot. ·7071	·262	·185			·185	·185			·185
·0524	·872	·032			·609	·824			·794
·2679	1·222	·091			·338	·915			1·132
·0875	1·832	·053			·608	·968			1·740
·1051	2·442	·064			·607	1·032			2·347
·0875	3·140	·061			·695	1·093			3·042
·3640	3·878		·239		·656	·854			3·698
·0000	4·536	0	0		·698				4·396

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12	13		14	
												Co-ordinate Difference			
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection	N	S	E	W
180	20	1°.45'	.9995 .0305	.0306	19.990	179.918	.610	S83W	.1219 .9925	.1228	5.146		.074		.605
* 200	20	1°.45'	.9995 .0305	.0306	19.990	199.908	.610	S83W	.1219 .9925	.1228	5.756	.074	.011		.605
220	20	1°.45'	.9995 .0305	.0306	19.990	219.898	.610	S86W	.0698 .9976	.0699	6.366		.043		.608
240	20	2°.00'	.9994 .0349	.0349	19.988	239.836	.698	S85W	.0872 .9962	.0875	7.064		.061		.695
260	20	1°.45'	.9995 .0305	.0306	19.990	259.826	.610	N87W	.0523 .9986	.0524	7.674	.032			.609
280	20	1°.30'	.9997 .0262	.0262	19.990	279.766	.524	S75W	.2588 .9659	.2679	8.198		.136		.506
* 300	20	1°.45'	.9995 .0305	.0306	19.990	299.756	.610	N89W	.0175 .9998	.0175	8.808	.011			.610
320	20	1°.15'	.9998 .0218	.0218	19.996	319.752	.436	S66W	.4067 .9135	.4452	9.244		.177		.398
340	20	1°.45'	.9995 .0305	.0306	19.990	339.742	.610	S85W	.0872 .9962	.0875	9.854		.053		.608
360	20	1°.45	.9995 .0305	.0306	19.990	359.732	.610	S80W	.1736 .9848	.1763	10.464		.106		.601
380	20	2°.00	.9994 .0349	.0349	19.988	379.720	.698	S80W	.1736 .9848	.1763	11.462		.121		.687
* 400	20	1°.30'	.9997 .0262	.0262	19.990	399.660	.524	S77W	.2250 .9744	.2309	11.686		.118		.511
420	20	2°.00	.9994 .0349	.0349	19.988	419.648	.698	S85W	.0872 .9962	.0875	12.284		.061		.695

EASTMAN MULTISHOT

CALCULATION S

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

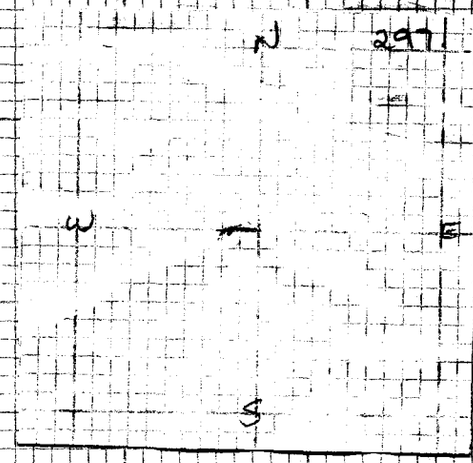
	5	6	7	8	9	10	11	12
ne e	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflec-tion
5	·0306	19·990	179·918	·610	S83W	·1219 ·9925	·1228	5·146
5 05	·0306	19·990	199·908	·610	S83W	·1219 ·9925	·1228	5·756
5 5	·0306	19·940	219·848	·610	S 86W	·0698 ·9976	·0699	6·366
9	·0349	19·988	239·836	·698	S85W	·0872 ·9962	·0875	7·06[illegible]
5 05	·0306	19·990	259·826	·610	N 87W	·0523 ·9986	·0524	7·674
2	·0262	19·940	279·764	·524	S 75W	·2588 ·9659	·2679	8·198
5 05	·0306	19·990	299·756	·610	N89W	·0175 ·9998	·0175	8·[illegible]
5	·0218	19·996	319·752	·436	S66W	·4067 ·9135	·4452	9·244
95 05	·0306	19·990	339·742	·610	S85W	·0872 ·9962	·0875	9·854
5 5	·0306	19·990	359·732	·610	S80W	·1736 ·9848	·1763	10·46[illegible]
4 49	0349	19·988	379·720	·698	S80W	·1736 ·9848	·1763	11·162
7 2	·0262	19·940	399·660	·524	S 77W	·2250 ·9744	·2309	11·6[illegible]
4 9	·0349	19·988	419·648	·698	S85W	·0872 ·9962	·0875	12·3[illegible]

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	·074		·605	·780			5·001
·674	[illegible]		·605	·854			5·606
	·043		·608	·811			6·214
	·061		·695	·750			6·909
·032	[illegible]		·609	·782			7·518
	·136		·506	·646			8·024
·041			·610	·657			8·634
	·177		·398	·480			9·032
	·053		·608	·427			9·640
	·106		·601	·321			10·241
	·121		687	·200			10·928
	·118		511	·082			11·439
	·061		·695	0·21			12·134

W E N S D.D.H. 297.



DIAMOND DRILL HOLE NO. 296

LOCATION:	No. 1 Orebody - Line 15
CO-ORDINATES:	99512E:9982ON
E.L.:	-
DATE COMMENCED:	4th April, 1970
DATE COMPLETED:	5th May, 1970.
FINAL DEPTH:	432 Feet
DATE SURVEYED:	-
LOGGED BY:	N. R. Kinnane.

L.S.G. Co-ords: 219,493·9E
564,177·1N

SAMPLE NO.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH RECOVERED	ASSAYS WO_3	ASSAYS Mo
	0	2	2	0		
	2	5	3	1		
	16	17	1	0.5		
	17	18	1	0.5		
	18	19	1	0.5		
A2301	117.5	119.5	2	2	0.38	(0.01
A2302	119.5	121.5	2	2	0.04	(0.01
A2303	121.5	123.5	2	2	0.04	(0.01
A2304	123.5	125.5	2	2	0.05	(0.01
A2305	125.5	127.5	2	2	0.08	(0.01
A2306	127.5	129.5	2	2	0.20	(0.01
A2307	129.5	131.5	2	2	0.06	(0.01
A2308	131.5	133.5	2	3	0.09	(0.01
A2309	133.5	135.5	2	2	0.05	(0.01
A2310	135.5	137.5	2	2	0.06	(0.01
A2311	137.5	139.5	2	2	0.16	(0.01
A2312	139.5	141.5	2	2	0.27	(0.01
A2313	141.5	143.5	2	2	0.44	0.012
A2314	143.5	145.5	2	2	0.26	(0.01
A2387	145.5	147.5	2	2	0.03	(0.01
A2388	147.5	149.5	2	2	0.06	(0.01
A2389	149.5	151.5	2	2	0.04	(0.01
A2390	151.5	153.5	2	2	0.11	(0.01
A2391	153.5	155.5	2	2	0.31	(0.01
A2392	155.5	157.5	2	2	0.04	(0.01
A2393	157.5	159.5	2	2	0.05	(0.01
A2394	159.5	161.5	2	2	0.11	0.025
A2395	161.5	163.5	2	2	0.07	0.012
A2396	163.5	165.5	2	2		
A2397	165.5	167.5	2	2	0.55	0.012
A2398	167.5	169.5	2	2	0.15	0.016
A2399	169.5	171.5	2	2	0.06	0.021
A2400	171.5	173.5	2	2	0.64	0.024
A2401	173.5	175.5	2	2	0.04	0.015
A2402	175.5	177.5	2	2	0.07	(0.01
A2403	177.5	179.5	2	2	0.36	(0.01
A2404	179.5	181.5	2	2	0.12	(0.01

	FORMATION DESCRIPTION	STRUCTURE
	No Core	
ACTINOLITE HORNFELS 2 - 115	ACTINOLITE HORNFELS, fine grained grey green rock varying to black in colour. Quartz veins are common and often contain abundant sulphides. Aplite from 20.5 to 21.5, 23.75 to 24.5, core is highly broken and fractured - blasting fracture. Joints begin to steepen and have a predominant set at 80° calcite filled. At 67' rock rather spotted in appearance. At 80.5' and at 83.5' abundant chalcopyrite in quartz veins.	Joints at 20 & 40°, Open & chlorite filled Joints 30 & 80° Joints set 90, 60, & 45°
BRECCIA 115-122.5	BRECCIA, broken rubbly and clayey rock from 115 to 117.5 rock is mainly broken actinolite rock. From 175.5 to 122.5 it is predominantly brecciated garnet-pyroxene skarn.	
GARNET-PYROXENE HORNFELS 122.5 - 168	GARNET-PYROXENE HORNFELS, medium to coarse grained skarn rock green brown in colour. Evidence of brecciation still quite noticable to 130'.	
PORPHYRY 168 - 174	PORPHYRY, a porphyritic dyke rock fine grained and grey in colour with large felspar phenocrysts.	

Sample No.	Feet	To	Length Sampled	Length Reported	WO_3	Mo
A2405	181.5	183.5	2	2	0.36	(0.01
A2406	183.5	185.5	2	2	0.25	(0.01
A2407	185.5	187.5	2	2	0.13	(0.01
A2408	187.5	189.5	2	2	0.07	0.021
A2409	243	245	2	2	0.03	(0.01
A2410	245	247	2	2	0.05	(0.01
A2411	247	249	2	2	0.18	(0.01
A2569	249	251	2	2	0.74	0.013
A2570	251	253	2	2	0.80	0.010
A2571	253	255	2	2	0.80	0.010
A2572	255	257	2	2	0.09	(0.01
A2573	257	259	2	2	0.32	(0.01
A2574	259	261	2	2	0.04	(0.01
A2575	261	263	2	2	0.03	(0.01
A2576	279	281	2	2	0.04	(0.01
A2577	281	283	2	2	0.05	(0.01
A2578	283	285	2	2	0.06	(0.01
A2579	285	287	2	2	0.05	(0.01
A2580	287	289	2	2	0.03	(0.01
A2581	289	291	2	2	0.05	(0.01
A2582	291	293	2	2	0.04	(0.01
A2583	293	295	2	2	0.07	0.012
A2584	295	297	2	2	0.05	(0.01
A2585	297	299	2	2	0.04	(0.01
A2586	299	301	2	2	0.04	(0.01

BIOTITE/PYROXENE HORNFELS 174 - 177 53.9	BIOTITE/PYROXENE HORNFELS, some garnet pyroxene bands in a strongly banded biotite pyroxene band.	
GARNET/PYROXENE HORNFELS 177 - 187.5 57.2	GARNET-PYROXENE HORNFELS, banded pyroxene rich skarn with minor sulphides. Minor patches of good fine disseminated scheelite.	
BIOTITE/PYROXENE HORNFELS 187.5 - 189.5 57.8	BIOTITE/PYROXENE HORNFELS, banded grey and green rock.	Joints at 30°
CALCITE HORNFELS 189.5 - 243 74.1	CALCITE HORNFELS, medium grained grey banded rock, abundant grossular garnet dotted throughout. Rock often appears spotted. Biotite Hornfels bands at 226' to 228', 197' to 199'.	
BIOTITE/PYROXENE HORNFELS 243 - 249 75.9	BIOTITE/PYROXENE HORNFELS, fine grained banded green and grey rock, well jointed.	
GARNET-PYROXENE/ GARNET HORNFELS 249 - 259 78.9	GARNET-PYROXENE/GARNET HORNFELS, medium grained green brown banded rock, grading into Gph/Ph.	
CALCITE/PYROXENE/ BIOTITE/GARNET/ HORNFELS 78.9 - 85.2	CALCITE/PYROXENE/BIOTITE/GARNET HORNFELS, variable banded rock carrying no appreciable scheelite - grades downward into calcite hornfels.	Joints 45 to 70°. Bedding Plane
GARNET-PYROXENE/ BIOTITE HORNFELS 279.5 - 305 85.2 93.0	GARNET-PYROXENE/BIOTITE HORNFELS, minor scheelite in a variable banded rock becoming strongly banded from 295 to 305.	
OLD. VOLCANICS 305 - 327 99.7	OLDER VOLCANICS, mottled medium grained dark green meta-volcanic.	

SAMPLE NO.	FROM	TO	WIDTH (M)	LENGTH (M)	WO_3	Mo
A2587	301	303	2	2	0.05	(0.01
A2588	303	305	2	2	0.04	(0.01
A2589	305	307	2	2	0.08	0.019

NITE
- 305

GRANITE, medium to coarse grained pink granite, broken and jointed in part, becoming more solid with depth.

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 296

LOGGED BY N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A2301	117.5	119.5	2	0.08	(0.01		
A2302	119.5	121.5	2	0.04	(0.01		
A2303	121.5	123.5	2	0.04	(0.01		
A2304	123.5	125.5	2	0.05	(0.01		
A2305	125.5	127.5	2	0.08	(0.01		
A2306	127.5	129.5	2	0.20	(0.01		
A2307	129.5	131.5	2	0.06	(0.01		
A2308	131.5	133.5	2	0.09	(0.01		
A2309	133.5	135.5	2	0.05	(0.01		
A2310	135.5	137.5	2	0.06	(0.01		
A2311	137.5	139.5	2	0.16	(0.01		
A2312	139.5 (42.5)	141.5	2	0.27	(0.01	0.54	
A2313	141.5 (43.1)	143.5	2	0.44	0.012	0.88	6' at 0.32% WO_3 (0.6m at 0.44%)
A2314	143.5 (42.7)	145.5	2	0.26	(0.01	0.52	
A2387	145.5 (44.3)	147.5	2	0.03	(0.01		
A2388	147.5	149.5	2	0.06	(0.01		
A2389	149.5	151.5	2	0.04	(0.01		
A2390	151.5	153.5	2	0.11	(0.01		
A2391	153.5 (46.8) (47.4)	155.5	2	0.31	(0.01		2' at 0.31% WO_3 (0.6m at 0.31%)
A2392	155.5	157.5	2	0.04	(0.01		
A2393	157.5	159.5	2	0.05	(0.01		
A2394	159.5	161.5	2	0.11	0.025		
A2395	161.5	163.5	2	0.07	0.012		
A2396	163.5 (49.8)	165.5	2	0.84	0.019	1.68	
A2397	165.5 (50.4)	167.5	2	0.55	0.012	1.10	
A2398	167.5 (51)	169.5	2	0.15	0.016	0.30	
A2399	169.5 (51.7)	171.5	2	0.06	0.021	0.12	22' at 0.32% WO_3
A2400	171.5 (52.3)	173.5	2	0.64	0.024	1.28	
A2401	173.5 (52.9)	175.5	2	0.04	0.015	0.08	6.1m at 0.32%
A2402	175.5 (53.5)	177.5	2	0.07	(0.01	0.14	
A2403	177.5 (54.1)	179.5	2	0.36	(0.01	0.72	
A2404	179.5 (54.7)	181.5	2	0.12	(0.01	0.24	
A2405	181.5 (53.3) (53.2)	183.5	2	0.36	(0.01	0.72	
A2406	183.5 (53.9) (56.5)	185.5	2	0.25	(0.01	0.50	
A2407	185.5	187.5	2	0.13	(0.01	0.26	
A2408	187.5	189.5	2	0.07	0.021	0.14	
A2409	243	245	2	0.03	(0.01		
A2410	245	247	2	0.05	(0.01		
A2411	247	249	2	0.18	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 296

LOGGED BY N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A2569	249 75.0	251	2	0.74	0.013	1.48	
A2570	251 76-5	253	2	0.50	(0.01	1.00	10' at 0.49% WO_3
A2571	253 77-1	255	2	0.80	0.010	1.60	
A2572	255 77-7	257	2	0.09	(0.01	0.18	3.0m at 0.49%
A2573	257 78 3	259	2	0.32	(0.01	0.64	
A2574	259 78 9	261	2	0.04	(0.01		
A2575	261 79-5	263	2	0.03	(0.01		
A2576	279	281	2	0.04	(0.01		
A2577	281	283	2	0.05	(0.01		
A2578	283	285	2	0.06	(0.01		
A2579	2 85	287	2	0.05	(0.01		
A2580	287	289	2	0.03	(0.01		
A2581	289	291	2	0.05	(0.01		
A2582	291	293	2	0.04	(0.01		
A2583	293	295	2	0.07	0.012		
A2584	295	297	2	0.05	(0.01		
A2585	297	299	2	0.04	(0.01		
A2586	299	301	2	0.04	(0.01		
A2587	301	303	2	0.05	(0.01		
A2588	303	305	2	0.04	(0.01		
A2589	305	307	2	0.08	0.019		

DDH 296 Surveyed. 6/8/70

Casing 10' F.D. 430

Rods Jammed 320

EASTMAN MULTISHOT DRILL HOLE SURVEY

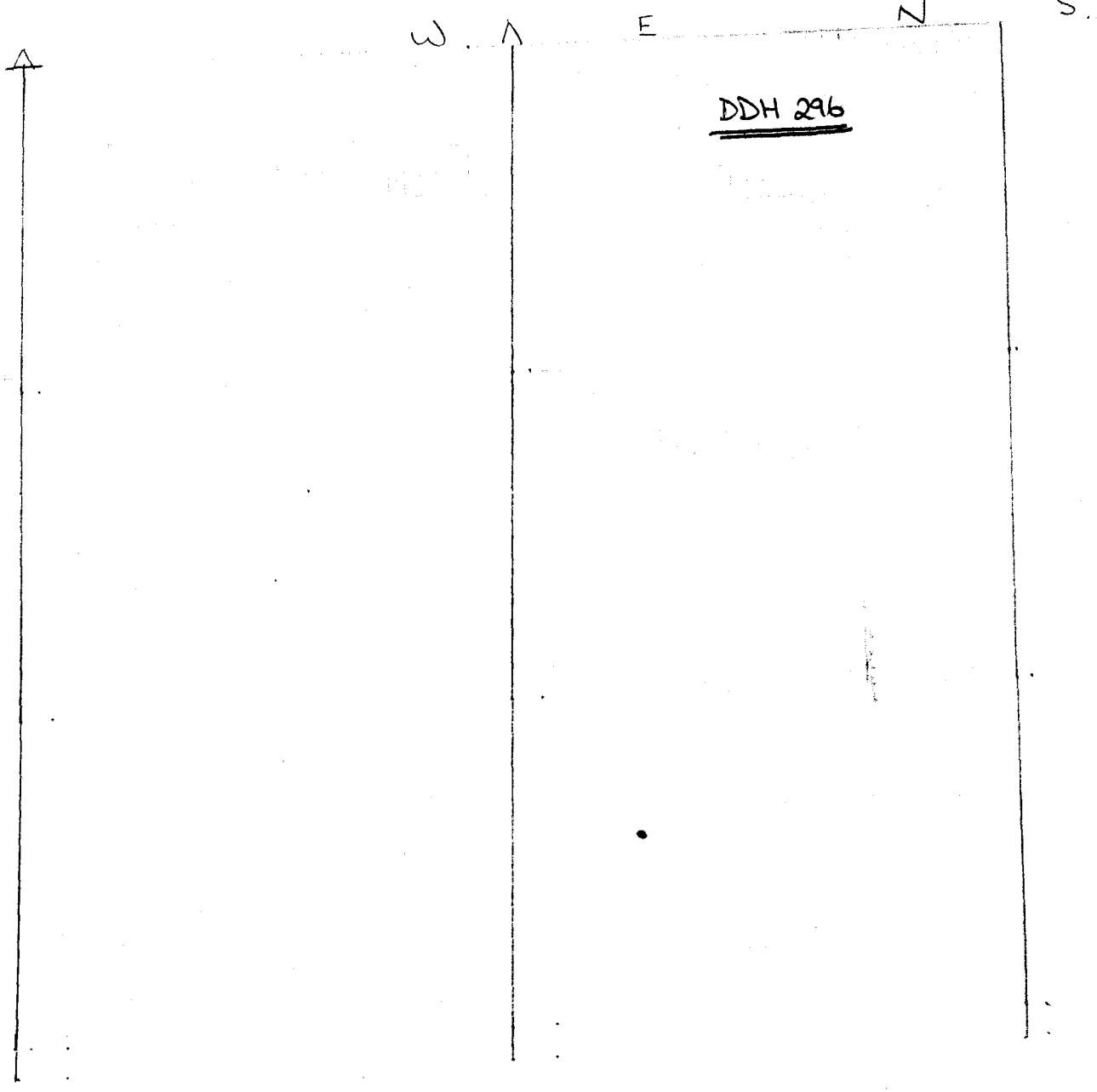
CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
100	100	8°	9986 0523	0524	99.86	99.86	5.24	N61W	4848 8746
200	100	3°	9986 0523	0524	99.86	199.72	5.23	N66W	4067 9135
300	100	3° 15'	9984 0567	0568	99.84	299.56	5.67	N76W	2419 9703
320	20				19.97				
		3° 15'	9984 0567	0568		319.53	0.11	N75W	2588 9659
	20				19.97				
300	100	3° 15'	9984 0567	0568	99.84	299.56	5.67	N74W	2756 9613
200	100	3° 15	9984 0567	0568	99.84	199.72	5.67	N75W	2588 9659
100	100	3°	9986 0523	0524	99.86	99.88	5.23.	N66W	4067 9135.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13		14		15		16	
		Co-ordinate Difference				Rectangular Difference			
Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
5543	5.24	" 2.54			4.58	2.54			4.58
4452	10.47	2.13			4.78	4.67			9.38
2493	16.14	1.37			5.50	6.04			14.86
2674	16.25	0.03			0.11	6.07			14.97
2867	16.14	1.37			5.45	6.04			14.86.
2679	10.47	1.41			5.47	4.48			9.41
4452	4.80.	2.13			4.78	2.35			4.63.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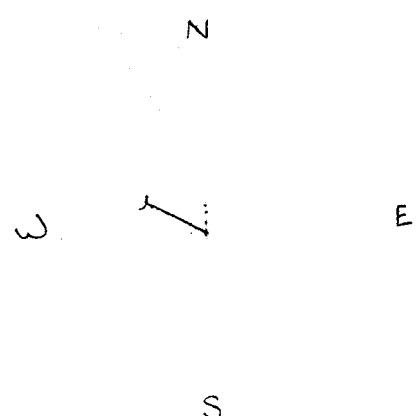
DDH 296


N
W
E
S

DIAMOND DRILL HOLE NO. 295

LOCATION:	No. 1 Orebody, Wedge Block Line 10
CO-ORDINATES:	100,323 E, 100,420 N.
R.L.:	
DATE COMMENCED:	13th May, 1970.
DATE COMPLETED:	18th May, 1970.
FINAL DEPTH:	142 Feet
DATE SURVEYED:	10th April, 1970.
LOGGED BY:	N. R. Kinnane.

SHERRITT GORDON MINES LIMITED, KING ISLAND. DIAMOND DRILLING DRILL HOLE No. 295

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A2761	0	4	2	2	0.05	0.024	BIOTITE/PYROXENE/GARNET HORNFELS 0 - 29 8.8	BIOTITE/PYROXENE/GARNET HORNFELS, banded rock predominantly biotite and pyroxene bands	
A2762	4	6	2	2	0.05			with some garnet bands containing very minor	
A2763	6	8	2	2	0.07	0.021		scheelite. Abundant molybdenite at 6' filling	
A2764	21	23	2	2	0.07	0.019		joint planes. Below 19.5' garnet bands more	
A2765	23	25	2	2	0.05	0.0147		predominant. Good molybdenite in garnet at 25'.	
A2766	25	27	2	2	0.08	0.086		bedding plane joints -	0,60 & 20°
							QUARTZITE 29 - 58.5 17.9	QUARTZITE, fine grained grey rock bredciated	
								in part. Rock well jointed, chlorite filled	
A2762	56	58	2	2	0.06	0.038		Some pyrite filling.	80 & 30°
A2768	58	60	2	2	0.64	0.140			
A2769	60	62	2	2	0.91	0.059	PYROXENE HORNFELS 58.5 to 65 19.8	PYROXENE HORNFELS, medium grained, well	
A2770	62	64	2	2	0.06	0.015		jointed rock. Good coarse disseminated scheelite.	
A2771	64	66	2	2	0.05	0.053			
A2772	66	68	2	2	0.03	0.015			
							QUARTZITE 65 - 142	QUARTZITE, fine grained grey rock spotted and	5,60, & 30°
								medium grained with muscovite flakes. 105 - 113	
								brecciation. Pyrite filled joints.	

DDH 295

Depth 120' Casing 20' EASTMAN MULTISHOT DRILL HOLE SURVEY

Surveyed 19/5/70 CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contange Tange
10	10	1°	·9998 ·0175	·0175	9·998	9·998	·175	N57E	·5446 ·8387	·6494
20	20	1°	·9998 ·0175	·0175	19·996	29·994	·350	N76E	·2419 ·9703	·2493
40	20	1°·15'	·9998 ·0218	0218	19·996	44·990	·436	N61E	·4848 ·8746	·5543
60	20	1°·30'	·9997 ·0262	·0262	19·994	69·984	·524	N57E	·5446 ·8387	·6494
80	20	1°·45'	·9995 ·0305	·0306	19·990	89·974	·610	N57E	·5446 ·8387	·6494
100	20	1°·45'	·9995 0305	·0306	19·990	109·964	·610	N64E	·4384 ·8988	·4877
120	20	1°45'	·9995 ·0305	·0306	19·990	129·954	·610	N68E	·3746 ·9272	·4040
100	20	1°·45'	·9995 ·0305	·0306	19·990	109·964	·610	N62E	·4695 ·8829	·5317
60	40	1°·30'	·9997 ·0262	·0262	39·988	69·976	·524	N56E	·5592 ·8290	·6745

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

12	13		14		15		16	
nt Deflection t	Co-ordinate Difference				Rectangular Difference			
	N	S	E	W	N	S	E	W
·175								
·525	·0953		·1468		-0953		·1468	
·961	·0846		·3396		·1799		·4864	
1·485	·2184		·8813		·3913		·8677	
2·095	·2852		·4395		·6767		1·3072	
2·705	·3812		·5116		1·0579		1·8188	
3·315	·3069		·5483		1·3648		2·3671	
	·2622		·5655		1·6270		2·9326	
2·705								
2·181	·3288		·5386		·3288		·5386	
	·2950		·4344		·6238		·9730	

OSECTION
W
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N
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DDH 295
PLAN VIEW
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W
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S

DIAMOND DRILL HOLE NO. 294

LOCATION:	No. 1 Orebody, Wedge Block Line 11
CO-ORDINATES:	100,174.98E:100,427.15N
R.L.:	170.13 Feet
DATE COMMENCED:	23rd April, 1970
DATE COMPLETED:	11th May, 1970.
FINAL DEPTH:	357 Feet
DATE SURVEYED:	10th April, 1970.
LOGGED BY:	N. R. Kinnane.

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRIL

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO3	ASSAYS Mo
	0	9	9	7.5		
A2521	0	2	2	2	(0.01	(0.01
A2522	2 0.6	4	2	2	0.40	(0.01
A2523	4 1.2	6	2	2	0.36	
A2524	6 1.8	8	2	2	0.04	(0.01
A2525	8	10	2	2	0.02	(0.01
A2526	10	12	2	2	(0.01	(0.01
A2527	12 3.7	14	2	2	0.21	(0.01
A2528	14 4.3	16	2	2	0.27	(0.01
A2529	16 4.9	18	2	2	0.66	0.029
A2530	18 5.5	20	2	2	0.07	(0.01
A2531	20	22	2	2	0.05	(0.01
A2532	22	24	2	2	0.09	0.044
A2533	24	26	2	2	0.19	(0.01
A2534	26	28	2	2	0.05	(0.01
A2535	28	30	2	2	0.03	(0.01
A2536	30	32	2	2	0.03	(0.01
A2537	32	34	2	2	0.02	(0.01
A2538	34	36	2	2	0.04	(0.01
A2539	36	38	2	2	0.04	0.01
A2540	38	40	2	2	0.04	(0.01
A2541	40	42	2	2	0.05	(0.01
A2542	42	44	2	2	0.04	(0.01
A2543	44	46	2	2	0.02	(0.01
A2544	46	48	2	2	0.03	(0.01
A2545	48	50	2	2	0.03	(0.01
A2546	50	52	2	2	0.07	(0.01
A2547	52 15.8	54	2	2	0.39	0.025
A2548	54 16.4	56	2	2	0.08	(0.01
A2549	56	58	2	2	0.04	(0.01
A2550	58	60	2	2	0.07	(0.01
A2551	60	62	2	2	0.12	(0.01
A2552	62	64	2	2	0.16	(0.01
A2553	64	66	2	2	0.06	(0.01
A2554	66	68	2	2	0.08	(0.01
A2555	68	70	2	2	0.03	(0.01
A2556	70	72	2	2	0.10	(0.01
A2557	72	74	2	2	0.04	(0.01
A2558	74	76	2	2	0.16	(0.01
A2559	76	78	2	2	0.04	(0.01
A2560	78	80	2	2	0.03	(0.01
A2561	80	82	2	2	0.01	(0.01
A2562	82 25.0	84	2	2	0.54	0.015
A2563	84 25.6	86	2	2	0.84	(0.01

LOG DRILL HOLE No. 294

UNIT	GEOLOGICAL DESCRIPTION	FRACTURES
CALCITE/GARNET-PYROXENE HORNFELS 0 - 13.5	CALCITE/GARNET-PYROXENE HORNFELS, banded rock consisting of predominantly calcite hornfels with some bands of medium grained garnet pyroxene hornfels.	
GARNET-PYROXENE HORNFELS 13.5-18.3	GARNET-PYROXENE HORNFELS, banded medium grained green to green-brown rock containing some scheelite.	
PYROXENE/CALCITE HORNFELS 18.3-27	PYROXENE/CALCITE HORNFELS, some biotite bands well jointed. Open, pyrite and clay filled joints.	Joints at 60,15&30°
CALCITE HORNFELS 27 - 33	CALCITE HORNFELS, fine to medium grained rock with some pyroxene bands.	
BIOTITE/PYROXENE HORNFELS 33-41	BIOTITE/PYROXENE HORNFELS, fine grained black and green banded rock.	
CALCITE HORNFELS 41 - 82	CALCITE HORNFELS, medium to coarse grained banded and spotted. Some good disseminated scheelite and some fine disseminated scheelite. Abundant scheelite infilling fractures.	Joints 30, 15 & 80°
GARNET/PYROXENE HORNFELS, 82 - 90	GARNET/PYROXENE HORNFELS, banded rock, medium to coarse grained with some good disseminated scheelite.	
BIOTITE/PYROXENE/GARNET HORNFELS	BIOTITE/PYROXENE/GARNET HORNFELS, mainly fine grained and black pyroxene/biotite rock with coarse grained bands uncommon. Some steeper bands at 30°. Some scheelite.	Bedding pl- and joints at 15-20°
VOLCANICS 133.5-183	VOLCANICS, fine to medium grained green mottled rock with some sedimentary bands.	Joints at 0,35,60 & 30°

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo		
A2564	86	88	2	2	0.12	0.016		
A2566	90	92	2	2	0.10	(0.01		
A2567	92	94	2	2	0.07	0.015		
A2568	94	96	2	2	0.05	(0.01		
	157 47.9	160	160	3	1.5			
A2757	277	279	2	2	0.07	(0.01		
A2758	279	281	2	2	0.33	(0.01		
A2759	281	283	2	2	0.45	0.015		
A2760	283	285	2	2	008	0.021		

LL LOG DRILL HOLE No. 294

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	From 162' - 166' Ph/Ph banded and faulted. Breccia 161 - 162, Vesicular rock 160-161.	
BRECCIA 183 - 197	BRECCIA, fractured and broken Bh/Ph with good evidence of brecciated core. Small faults common. Calcite infilling, some very minor scheelite.	Joints 45, 15 & 60°
VOLCANICS 197 - 279	VOLCANICS, porphyritic medium grained green rock. Breccia 211 - 221, much chlorite filled jointing. Breccia 248 - 250.	Joints at 30,60 & 80°
PYROXENE/CALCITE HORNFELS	PYROXENE/CALCITE HORNFELS, minor garnet and some molybdenite and very good scheelite.	
BRECCIA 283.5 - 294	BRECCIA, fragments of quartzite with calcite and quartz infilling.	
QUARTZITES 294 - 357	QUARTZITES, fine grained grey rock well jointed in part, 299' to 300'. Aplite with large pyrite crystals. Open chlorite filled, core badly broken to 357, not brecciated.	Joints at 30,50,&80°

NOTES ON DDH 294 by P.C. OCTOBER, 1972.

Bedding continuously at acute angle to long axis of core ($<25^{\circ}$) and for a great part of it bedding runs directly along core axis.

85' chloritic, slickensides, core broken
* probable fault.

Bedding:

50' = 0°
94' = 20°
flattens out at 95' = 70°
goes back to 40-50° over next 10'
127' = 5°
at older volcanic contact = approx. 2°

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 294

Logged By: N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A2521	0	2	2	(0.01	(0.01		
A2522	2	4	2	0.40	(0.01	0.80	4' at 0.38% WO_3
A2523	4	6	2	0.36	-	0.72	
A2524	6	8	2	0.04	(0.01		
A2525	8	10	2	0.02	(0.01		
A2526	10	12	2	(0.01	(0.01		
A2527	12	14	2	0.21	(0.01		
A2528	14	16	2	0.27	(0.01	0.54	4' at 0.48% WO_3
A2529	16	18	2	0.66	0.029	1.32	
A2530	18	20	2	0.07	(0.01		
A2531	20	22	2	0.05	(0.01		
A2532	22	24	2	0.09	0.044		
A2533	24	26	2	0.19	(0.01		
A2534	26	28	2	0.05	(0.01		
A2535	28	30	2	0.03	(0.01		
A2536	30	32	2	0.03	(0.01		
A2537	32	34	2	0.02	(0.01		
A2538	34	36	2	0.04	(0.01		
A2539	36	38	2	0.04	(0.01		
A2540	38	40	2	0.04	(0.01		
A2541	40	42-	2	0.05	(0.01		
A2542	42	44	2	0.04	(0.01		
A2543	44	46	2	0.02	(0.01		
A2544	46	48	2	0.03	(0.01		
A2545	48	50	2	0.03	(0.01		
A2546	50	52	2	0.07	(0.01		
A2547	52	54	2	0.39	0.025	0.78	2' at 0.39% WO_3
A2548	54	56	2	0.08	(0.01		
A2549	56	58	2	0.04	(0.01		
A2550	58	60	2	0.07	(0.01		
A2551	60	62	2	0.12	(0.01		
A2552	62	64	2	0.16	(0.01		
A2553	64	66	2	0.06	(0.01		
A2554	66	68	2	0.08	(0.01		
A2555	68	70	2	0.03	(0.01		
A2556	70	72	2	0.10	(0.01		
A2557	72	74	2	0.14	(0.01		
A2558	74	76	2	0.16	(0.01		
A2559	76	78	2	0.04	(0.01		
A2560	78	80	2	0.03	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 294

Logged By: N. R. Kinnane

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	A2561	80 24.4	82	2	0.01	(0.01		
	A2562	82 25.0	84	2	0.54	0.015	1.08	4' at 0.69% WO_3
	A2563	84 25.6	86	2	0.84	(0.01	1.68	
	A2564	86 26.2	88	2	0.12	0.016		
	A2565	88	90	2	0.05	0.010		
	A2566	90	92	2	0.10	(0.01		
	A2367	92	94	2	0.07	0.015		
	A2568	94	96	2	0.05	(0.01		
	A2757	277 54.4	279	2	0.07	(0.01		
	A2758	279 55.0	281	2	0.33	(0.01	0.66	4' at 0.39% WO_3
	A2759	281 55.6	283	2	0.45	0.015	0.90	
	A2760	283 86.2	285	2	0.08	0.021		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 290

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0881	17	21	4	0.06	(0.01		
A0882	21	25	4	0.07	(0.01		
A0883	25	29	4	0.07	(0.01		
A0884	29	33	4	0.07	(0.01		
A0885	33	38	5	0.07	(0.01		
A0886	38	44	6	0.06	(0.01		
A0887	44	48	4	0.06	(0.01		
A0888	72	75	3	0.05	(0.01		
A0889	75	79	4	0.07	(0.01		
A0890	79	83	4	0.07	(0.01		
A0891	83	85	2	0.05	(0.01		
A0892	85	87	2	0.07	(0.01		
A0893	87	89	2	0.07	(0.01		
A0894	89	91	2	0.05	(0.01		
A0895	91	93	2	0.05	(0.01		
A0896	93	95	2	0.06	(0.01		
A0897	95	96	1	0.19	0.03		
A0898	96	99	3	0.06	0.03		
A0899	99	102	3	0.17	0.042		
A0900	102	104	2	0.05	0.027		
A0904	104	106	2	0.05	0.022		
A0903	106 (32-2)	108	2	0.39	0.068	0.78	3' at 0.40% WO_3
A0906	108 (32-9)	109	1	0.43	0.033	0.43	
A0907	136 (41-4)	138	2	0.04	(0.01		
A0908	138 (42-1)	140	2	0.15	0.03		
A0909	140 (42-7)	142	2	0.07	0.025		
A0910	142 (43-3)	144	2	0.06	0.042		
A0911	144 (43-9) (44-5)	146	2	0.26	0.032	0.52	
A0912	146 (45-1)	148	2	0.50	0.051	1.00	8' at 0.74% WO_3
A0913	148 (45-7)	150	2	1.42	0.136	2.84	
A0914	150	152	2	0.80	0.064	1.60	

DDH 294 CASING 10'

DEPTH 295'

SURVEYED 12/5/70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
10'	10	0.15'	1.0000 .0044	.0044	10.00	10.00	.00044	No bearing	—
30	20	.15'	.9999 .0131	.0131	19.98	29.98	.00262	N 86W	.1284 .8988
40	20	.30'	1.0000 .0087	.0087	20.00	49.98	.00174	N 67W	.3907 .9205
60	20	.45'	.9999 .0131	.0131	19.98	69.96	.00262	N 82W	.7193 .6947
80	20	.45'	.9999 .0131	.0131	19.98	89.94	.00262	N 86W	.4067 .9135
100	20	.45'	.9999 .0131	.0131	19.98	*109.92	.00262	N 85W	.0872 .9962
120	20	.45'	.9999 .0131	.0131	19.98	129.90	.00262	N 78W	.2588 .9659
140	20	.30'	1.0000 .0087	.0087	20.00	149.90	.00174	S 67W	.3907 .9205
160	20	.15'	1.0000 .0044	.0044	10.00	159.90	.00044	S 15W	.9659 .2588
180	20	.30'	1.0000 .0087	.0087	20.00	179.90	.00174	N 60W	.5000 .8660
200	20	.45'	.9999 .0131	.0131	19.98	*199.88	.00262	N 86W	.0698 .9976
220	20	1°00	.9998 .0175	.0175	19.98	219.86	.00350	S 87W	.5446 .8387
240	20	1°15'	.9998 .0218	.0218	19.98	239.84	.00436	S 80W	.3660 .5000
260	20	1°00	.9995 .0175	.0175	19.98	259.82	.00350	S 68W	.6891 .7431
280	20	1°00	.9998 .0175	.0175	19.98	279.80	.00350	S 47W	.6820 .7314
295	15	.45'	.9999 .0131	.0131	14.99	*294.79	.00262	S 55W	.5736 .8192
20	20	.45'	.9999 .0131	.0131	10.00	10.00	.00262	S 55W	.8192 .5736
40	20	.30'	1.0000 .0087	.0087	20.00	30.00	.00174	S 31W	.5572 .5150
60	20	.15'	1.0000 .0044	.0044	10.00	40.00	.00044	S 25W	.9063 .4226
80	20	.30'	1.0000 .0087	.0087	20.00	60.00	.00174	S 40W	.7660 .6428
100	20	.15'	1.0000 .0044	.0044	10.00	70.00	.00044	S 25W	.8192 .5736
120	20	.15'	1.0000 .0044	.0044	10.00	80.00	.00044	S 30W	.8660 .5000
140	20	.15'	1.0000 .0044	.0044	10.00	90.00	.00044	S 67W	.3907 .9205
160	20	.15'	.0044	.0044	10.00	100.00	.00044	S 15W	.9659 .2588
180	20	.45'	.9999 .0131	.0131	19.98	119.98	.00262	S 40W	.7660 .6428
200	20	.45'	.9999 .0131	.0131	19.98	139.96	.00262	S 45W	.7071 .7071
220	20	.45'	.9999 .0131	.0131	19.98	159.94	.00262	S 50W	.6428 .7660
240	20	1°15'	.9998 .0175	.0175	19.98	179.92	.00436	S 35W	.8192 .5736
260	20	1°00	.9998 .0175	.0175	19.98	199.90	.00350	S 48W	.6891 .7431

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13		14		15		16	
		Co-ordinate Difference				Rectangular Difference			
Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
—	·044	no bearing			no bearing	no bearing			no bearing
·4877	·306	1·15			2·35	1·15			2·35
·4245	·480	·68			1·60	1·83			3·95
·9657	·742	1·88			1·82	3·71			5·77
·4452	1·004	1·07			2·39	4·78			8·16
·0875	* 1·266	·23			2·61	* 5·01			* 10·77
·2679	1·328	·68			2·53	5·69			13·30
·4245	1·702		·68		1·60	5·01			14·90
·2679	1·746		·42		·11	4·59			15·01
·5774	1·920	·87			1·51	5·46			16·52
·0699	* 2·182	·18			2·61	* 5·64			* 19·13
·6469	2·532		1·91		2·94	3·73			22·07
·5774	2·968		3·78		2·18		·05		24·25
·9004	3·318		2·41		2·60		2·46		26·85
·9325	3·668		2·39		2·56		4·85		29·41
·7002	* 3·930		1·50		2·15		* 6·35		* 31·56
			2·15		1·50		2·15		1·50
·7002	·262		[illegible]		·89		3·64		2·39
·6009	·436		·39		·19		4·03		2·58
·4663	·480		1·33		1·12		5·36		3·70
·8391	·654		·36		·25		5·72		3·95
·7002	·698		·38		·22		6·10		4·17
·5774	·742		·17		·41		6·27		4·58
·4245	·786		·42		·14		6·69		4·79
·2679	·830		2·00		1·68		8·69		6·40
·8391	1·091		1·85		1·85		10·54		8·25
Cot. 1·0000	1·354		1·68		2·00		12·22		10·25
·8391	1·616		3·57		2·50		15·79		12·75
·7002	2·052		2·41		2·60		18·20		15·35
·9004	2·402								

EASTMAN MULTISHOT DRILL HOLE SURVEY

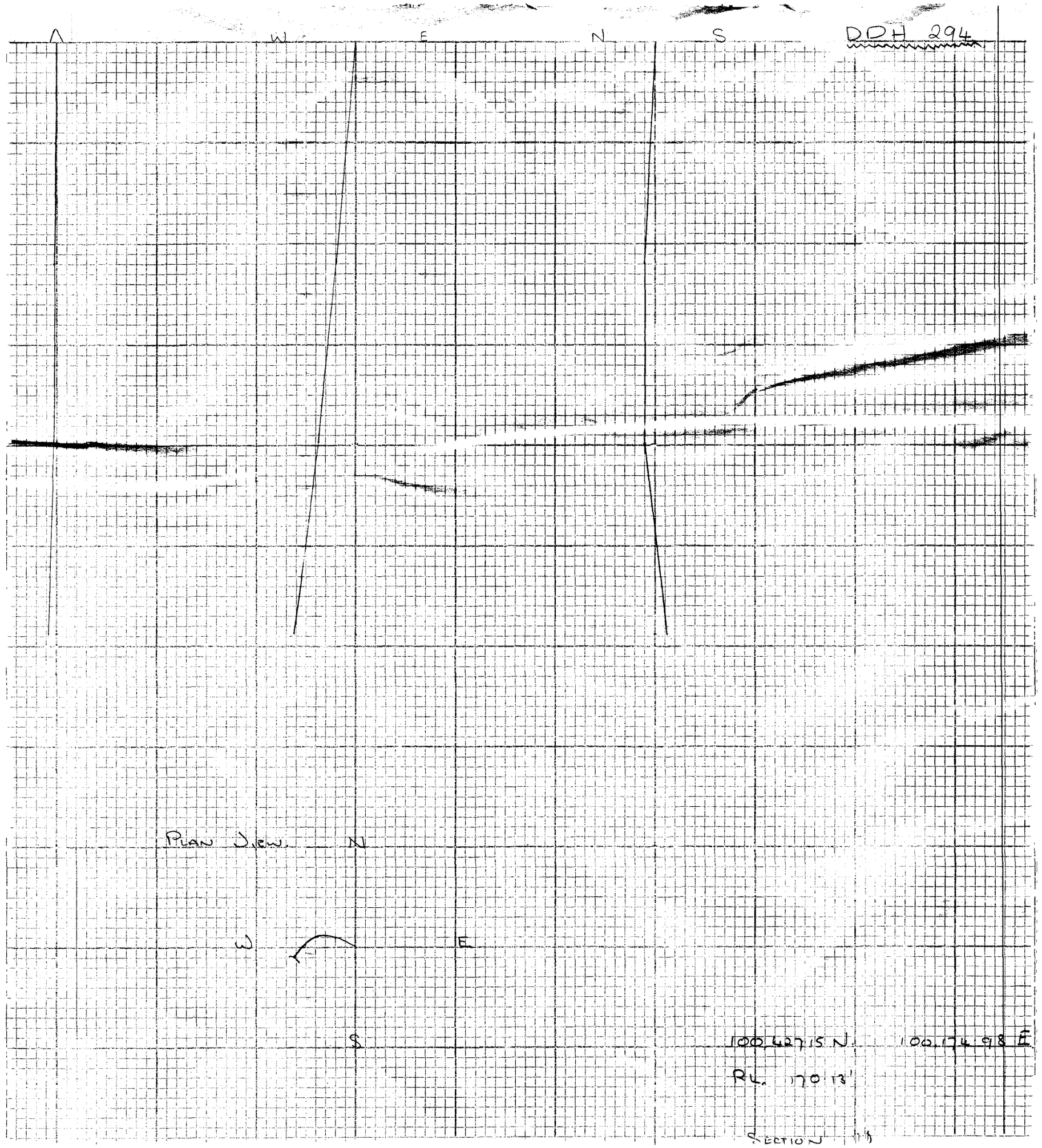
CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent
280	20	1° 00	.9998 .0175	.0175	19.98	219.98	.00350	S47 W	.6820 .7314	.9325
295	15	.45'	.9999 .0131	.0131	1998	239.86	.00262	S55W	.5736 .8192	.7002

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

10	11	12	13		14		15		16	
			Co-ordinate Difference				Rectangular Difference			
Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
·6820 ·7314	·9325	2·402		2·34		2·56		20·54		17·91
·5736 ·8192	·7002	3·014		1·50		2·15		22·04		20·06


W
E
N
S
DDH 294
Plan View
N
E
S
100,427.15 N.
100,174.98 E
RL. 170.13'
Section

DIAMOND DRILL HOLE NO. 293

LOCATION:	No. 1 Orebody (Footwall) -Line 10
CO-ORDINATES:	100 350.97E 100 517.92N ~~100,517.92E:100,350.97N~~
R.L.:	199.43 Feet
DATE COMMENCED:	18th March, 1970.
DATE COMPLETED:	6th April, 1970.
FINAL DEPTH:	240 Feet
DATE SURVEYED:	-
LOGGED BY:	N. R. Kinnane.

LOG — DRILL HOLE No. 293

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
BIOTITE/PYROXENE HORNFELS 0 - 11	BIOTITE/PYROXENE HORNFELS, fine grained grey-black and grey-green rock respectively. Molybdenite and scheelite rich patch from 0 - 7'. The core is highly fractured and broken with some core loss: 0 - 7' 3' Lost Core 7'-19.5' 2' "	
BIOTITE HORNFELS 1 - 22	BIOTITE HORNFELS, fine grained grey rock.	
BRECCIA 22 - 45	BRECCIA, brecciated biotite hornfels and quartzite. Abundant pyrite along joints and in the rock matrix. Quartz veins at 35' with minor molybdenite. 28.5 - 33' 1' Lost Core. Quartz vein ½" wide at 28.25'.	Joints at 30 and 80°
QUARTZITE 5 - 95	QUARTZITE, massive fine grained light grey rock spotted in part with hornfelsic bands at 55'. 42.5 to 45' 1.5 Lost Core. Aplite dykes from 63.5 to 64.5, 65.6 to 77'. The quartzite becomes strongly spotted and blotched especially along dyke margins. At 72.5 the core is broken and fractured. Aplite from 81' to 81.5', 87.5' to 88.5' and 90' to 91.5'. Biotite hornfels bands from 77' to 80.5'.	Joints at 45 & 60°. Chlorite & pyrite fille Joints Aplit 65 - 70°
APLITE 95' - 105.5	APLITE, fine grained grey cream rock fractured and jointed. Joints pyrite filled.	Joints at 70 - 40°
QUARTZITE 105.5 - 240	QUARTZITE, mottled and speckled fine to medium grained, grey rock, spotted at 114.5, At 128' to 132' more slatey rocks, 134' to 136.5' Fractured and broken rock. Narrow quartz veins at 132' at 60° to angle of core. From 138' to 144' highly broken core, some slatey bands. From 161 to 192 highly broken ground - ?brecciated? Joint chlorite filled at quartz vein at 204 at 45°	Joints 60 - 30° 90, 60, & 30°

GEOPEKO LIMITED, KING ISLAND.

DIAMOND DRIL

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo			
	0	7	7	4					

D.D.H 293

T.D 240'

Casing 60'

Surveyed 4/4/70

100'	100	10 45'	.9995 .0305	.0306	99.95	99.95	3.050	N38W	.7680 .6157
220'	120	2° 15'	.9992 .0393	.0393	119.90	219.90	4.916	N68W	.3746 .9272
100'	120'	10 45'	.9995 .0305	.0306	119.94	99.96	3.660	N40W	.7660 .6428

·7813 3·

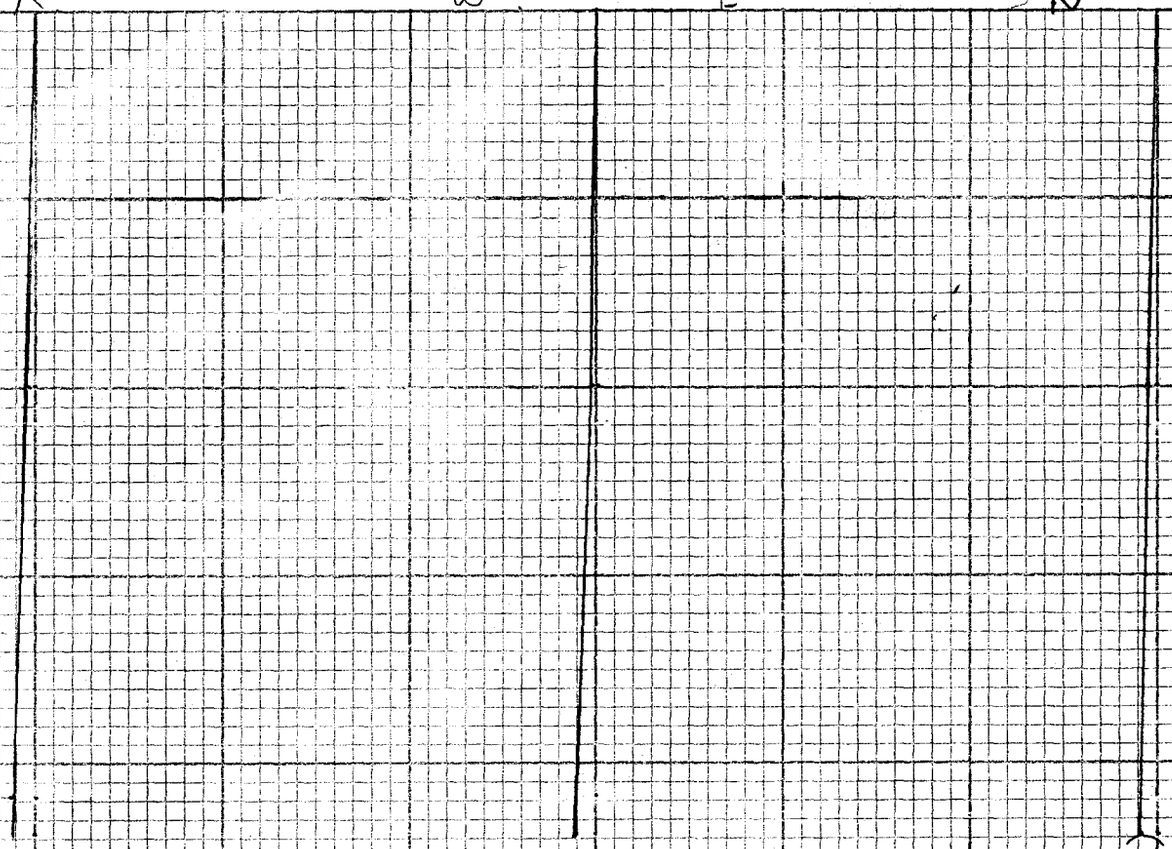
2·758 1·877 2·758 1·677

·4040 7·7

1·766 4·373 4·524 6·250

·8391 8·3

PROJECTION: A W E N S. DOH 1293.



PLAN VIEW. N

W E

S

True depth 290'.
Surveyed 22/4/70.
Co-ords. 219666E
56436I N.

DDH 292 - RE-LOG P.C. OCTOBER, 1972.

UNIT	REMARKS
PGH ? 0 - 6'	core rubbly, light green-grey siliceous hornfels with some garnet and small patches of pyrrhotite pot definite PGh unit.
BIOTITE HF 6 - 10'	fine grain massive black biotite hornfels with irregular pyroxene hornfels bands in upper 2 feet.
PARTIALLY REPLACED C-LENS MARBLE 10 - 49'	Predominantly white-grey fine grained marble with irregular, mostly very narrow, bands of garnet replacement and impure pyroxene rich patches. Narrow bands (<1 cm) of pyroxene, grossularite rimmed black biotite hornfels occupy a small percentagee of core. 12 - 15' largely skarn with patchy weak scheelite mineralisation. 33 - 34.5' pyroxene garnet biotite Lf band with texture similar to PGh. 42.5 - 48' partial replacement to skarn.
REPLACED FOOTWALL BEDS 48 - 73'	Interbedded biotite, pyroxene and garnet hornfels with biotite and pyroxene becoming more dominant with depth. Disturbance of bedding gives "PGh" fragmental texture between 63 - 73'. Scheelite mineralisation is weak. Skarn bands are mostly 3 - 4 cm. thick but between 53 - 62' skarn is dominant.
BIOTITE PYROXENE HORNFELS 73 - 76'	finely laminated biotite and pyroxene hornfels.
OLDER "VOLCANICS" 76 - 118'6"	Massive fine grain light green grey hornfels. Matrix of felted actinolite crystals with evenly distributed dark rounded spots mottling the surface (typical Ov). Gradations from and into BPh between 100 and 118'. 99 - 108' core extensively broken, numerous slickensides developed at acute angles to core axis. 100 - 103' 2 feet core loss.

.../2

DDH 292 continued

UNIT	REMARKS
REPLACED FOOTWALL BEDS 118'6" - 173'	bedding at acute angles. Predominantly biotite and pyroxene hornfels with occasional skarn bands. 137 - 173' light grey medium grain calcite hornfels with irregular replacement to pyroxene garnet hornfels (much of core split so re-logging difficult) interbedded with biotite hf bands.
173' - coh.	light grey Quartzite (see previous log for detailed description).

BEDDING

65° at 7'
60° at 34'
20° at 121'

DIAMOND DRILL HOLE NO. 292

LOCATION:	No. 1 Orebody - Line 11
CO-ORDINATES:	100,529.13N: 100,202.19E
R.L.:	199.32 Feet
DATE COMMENCED:	8th April, 1970.
DATE COMPLETED:	21st April, 1970.
FINAL DEPTH:	290 Feet
DATE SURVEYED:	-
LOGGED BY:	N. R. Kinnane.

GEOPEKO LIMITED, KING ISLAND. DIAMOND .

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	0	6	6	4		
A2036	8.5	10.5	2	2	0.07	0.017
A2037	10.5 (3.20)	12.5 (3.81)	2	2	0.25	0.010
A2038	12.5	14.5	2	2	0.02	(0.01
A2054	41	43	2	2	0.02	(0.01
A2055	43 (13.10)	45 (13.72)	2	2	0.33	0.012
A2056	45	47	2	2	0.08	(0.01
A2057	47	49	2	2	0.03	(0.01
A2058	49	51	2	2	0.15	0.015
A2059	51	53	2	2	0.21	0.019
A2060	53	55	2	2	0.11	0.015
A2061	55	57	2	2	0.04	0.015
A2062	57	59	1	1	0.05	0.019

DRILL HOLE No. 292

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
BIOTITE/PYROXENE HORNFELS 0-10.5'	BIOTITE/PYROXENE HORNFELS, broken fine grained banded rock with some very minor garnet bands.	
BANDED GARNET-PYROXENE/PYROXENE HORNFELS 10.5'-13	BANDED GARNET-PYROXENE/PYROXENE HORNFELS, medium to coarse grained skarn rock with some pyroxene bands, scheelite occurs in some skarn bands.	
CALCITE/PYROXENE/ BIOTITE HORNFELS 13' - 43'	CALCITE/PYROXENE/BIOTITE HORNFELS, well banded rock broken and fractured in places. Scheelite occurs in garnet pyroxene bands in the lower portion of this zone. From 28' to 29' broken brecciated core.	
GARNET/PYROXENE HORNFELS 43 - 44.5	GARNET-PYROXENE HORNFELS, pyroxene rich skarn rock banded in part with pyroxene and minor biotite bands.	
CALCITE/PYROXENE HORNFELS 44.5 - 46	CALCITE/PYROXENE HORNFELS, banded medium grained calcite and fine grained pyroxene bands.	
GARNET-PYROXENE HORNFELS 46 - 47	GARNET-PYROXENE HORNFELS, medium to coarse grained skarn rock banded in part.	
BIOTITE/PYROXENE CALCITE HORNFELS 47 - 49.5	BIOTITE/PYROXENE/CALCITE HORNFELS, a banded rock with bands of the former two minerals predominating.	
GARNET/PYROXENE HORNFELS 49.5 - 56	GARNET-PYROXENE HORNFELS, medium grained green-brown slightly banded skarn rock with some scheelite.	
BIOTITE/PYROXENE HORNFELS 56 - 66	BIOTITE/PYROXENE HORNFELS, banded fine grained rock with pronounced bedding and bedding plane jointing at 10°	Joints at 10,40,60°
PYROXENE/GARNET HORNFELS 66 - 76	PYROXENE-GARNET HORNFELS, rock rich in pyroxene and biotite with blebs or ovoids of calcite and grossular garnet. Some of the bedding appears disrupted.	
BIOTITE HORNFELS/ QUARTZITES 76 - 100.5	BIOTITE HORNFELS/QUARTZITES, fine to medium grained green grey rock not rather unlike volcanics. 91' - 98' 2' lost core. 97 - 99 Broken and brecciated core.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND D.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo			
A2315	134	136	2	2	0.05	0.010			
A2316	136	138	2	2	0.04	0.010			
A2317	138	140	2	2	0.10	(0.01			
A2318	140	142	2	2	0.04	(0.01			
A2319	142	144	2	2	0.09	(0.01			
A2320	144 43.89	146 44.50	2	2	0.36	(0.01			
A2321	146	148	2	2	0.17	0.012			
A2322	148	150	2	2	0.07	0.010			
A2323	150	152	2	2					
A2324	152 46.33	154	2	2	0.44	0.025			
A2325	154 46.93	156	2	2	0.22	0.016			
	47.55								
A2326	156	158 48.16	2	2	0.40	(0.01			
A2327	153	160	2	2	(0.01	(0.01			
A2328	173	175	2	2	(0.01	(0.01			
A2329	175	177	2	2	0.06	(0.01			
A2330	177	179	2	2	0.15	0.010			
A2331	179	181	2	2	0.04	0.021			

SHEET No. 2 ... 2

DRILL HOLE No. 292

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
BRECCIA 100.5 - 111 30.63	BRECCIA, brecciated and broken quartzite and spotted biotite rock. Chlorite filled slickensided joints.	
BIOTITE HORNFELS 111 - 120 36.57	BIOTITE HORNFELS, some light coloured quartzite rock and some pyroxene bands ÷ bedding disrupted and slumpted. Bulk consists of a fine grained grey black biotite rodk.	
BIOTITE/GARNET/PYROXENE-PYROXENE HORNFELS 120 - 139	BIOTITE/GARNET-PYROXENE/PYROXENE HORNFELS, a variable banded rock with broad garnet-pyroxene bands containing scheelite.	
CALCITE HORNFELS 139 - 143	CALCITE HORNFELS, banded marble rock with some garnet bands and containing good scheelite.	
PYROXENE HORNFELS 143 - 146.5	PYROXENE HORNFELS, fine to medium grained green rock with some minor garnet bands.	
BIOTITE HORNFELS 146.5 - 157	BIOTITE HORNFELS, fine grained grey black rock with good scheelite occurring in some garnet bands at 152' - 153'.	
CALCITE HORNFELS 157 - 162.5	CALCITE HORNFELS, medium grained grey calcite rock not containing scheelite.	
BIOTITE HORNFELS 162.5 - 166.5	BIOTITE HORNFELS, fine grained grey black rock.	
CALCITE HORNFELS 166.5 - 175	CALCITE HORNFELS, medium grained grey rock containing garnet bands from 166.5 to 167 - some good scheelite.	
GARNET/PYROXENE HORNFELS 175 - 179 51.96	GARNET-PYROXENE HORNFELS, medium to coarse grained green brown skarn rock with some scheelite.	
QUARTZITES 179 - 290'	QUARTZITES, fine grained grey rocks, Broken core from 201 to 206, 205 to 206, 207 to 209, 210 to 212.	Joints 20, and 70°

DDH 292
Casing 49'
T.D. 290'

Surveyed 22/4/70.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent
100	100	1°	·9998 ·0175	·0175	99.98	99.98	1.75	S 13 E	·9744 ·2250	·2309
200	100	2° 15'	·9992 ·0393	·0393	99.92	199.90	3.93	S13W	·9744 ·2250	·2309
260	60	2° 45'	·9988 ·0480	·0420	59.92	259.82	2.80	S20W	·9397 ·3420	·3640
200	60	2°	·9994 ·0349	·0343	59.96	199.86	2.3580	S 14°W	·9703 ·2419	·2493
100	100	1°	·9998 ·0175	·0175	99.98	99.85	1.75	S14E	·9703 ·2419	·2493

EASTMAN MULTISHOT DRILL HOLE SURVEY

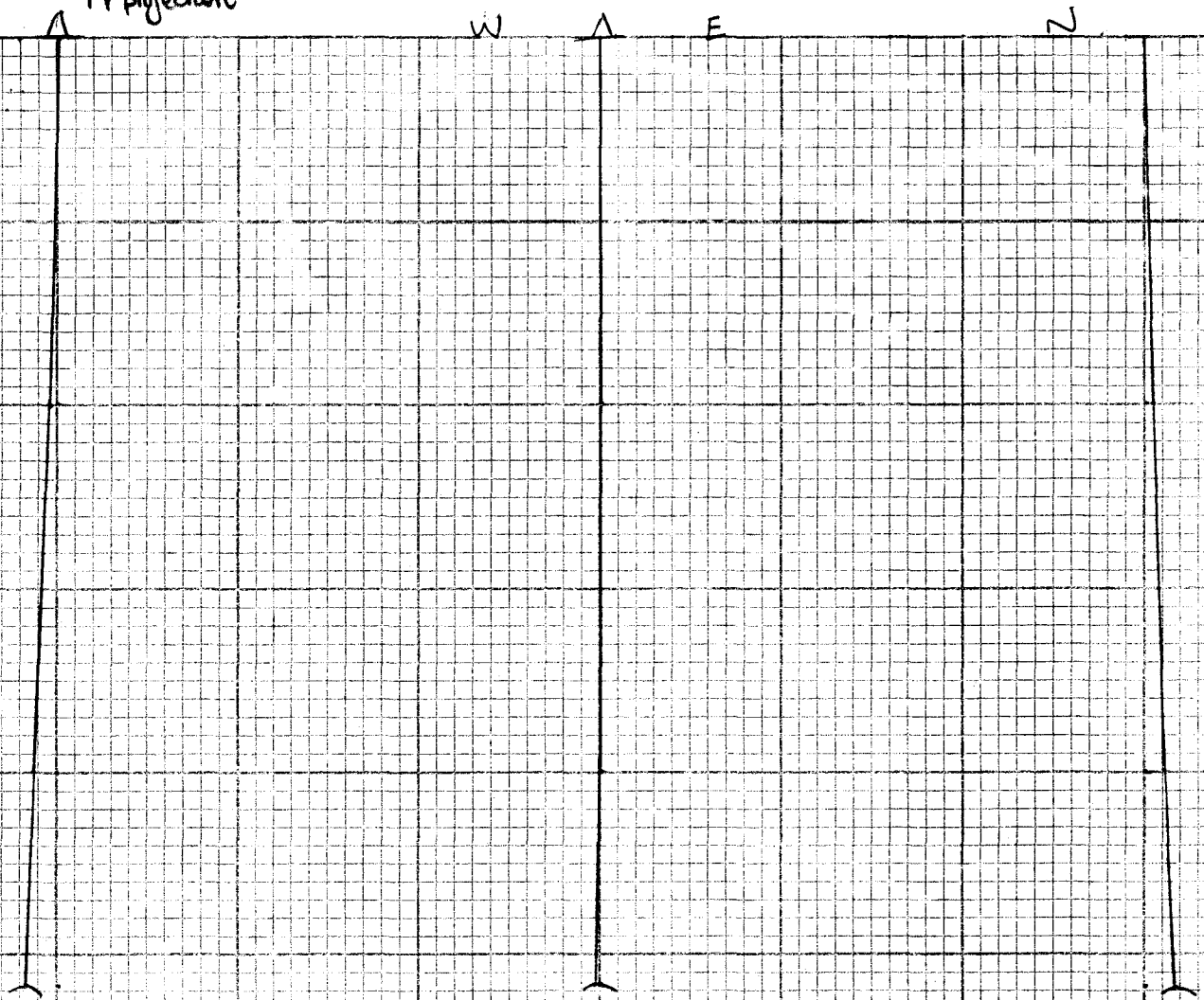
CALCULATION SHEET NO. 2

	11	12	13		14		15		16	
ıe	Contangent Tangent	Deflec- tion	Co-ordinate Difference				Rectangular Difference			
			N	S	E	W	N	S	E	W
50	·2309	1·75		1·705	·393750			[illegible]	·393750	
50	·2309	5·68		3·829		0·884250		5·534		[illegible]
20	·8640	8·48		2·631		1·01920		8·175		1·509700
219	·2493									
219	·2493									

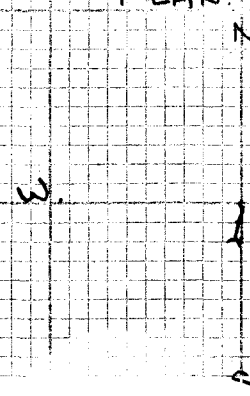
TV projection

W E N S

DDH 292



PLAN VIEW.



DIAMOND DRILL HOLE NO. 291

LOCATION:	No. 1 Orebody - Line 14
CO-ORDINATES:	99799.79E 100649.16N
R.L.:	~297'
DATE COMMENCED:	26th May, 1970.
DATE COMPLETED:	10th June, 1970.
FINAL DEPTH:	287 Feet
DATE SURVEYED:	
LOGGED BY:	N. R. Kinnane

					WO_3	Mo	
	0	10.5					
	10.5	105					
	105	120	15	10			
	120	129	9	4			
	129	133	4	1			
A3096	158	160	2	2	0.10	0.015	
A3097	160	162	2	2	0.69	0.041	0.
A3098	162	164	2	2	0.03	(0.01	
A3099	164	166	2	2	0.01	(0.01	
A3100	166	168	2	2	0.05	0.035	
	173	387.5					

	GEOLOGICAL DESCRIPTION	
No Core 0 - 10.5'	No Core	
CLAY 10.5-105	CLAY:- Yellow-brown clay with rock fragments grading into decomposed rock. Rock appears to be pyroxene hornfels or biotite hornfels.	
GREEN CLAY 105 - 118	GREEN CLAY:- Pale green chloritic clay with some highly decomposed rock fragments.	
PYROXENE/GARNET-PYROXENE/BIOTITE/CALCITE HORNFELS 118 - 138.5	PYROXENE/GARNET-PYROXENE/BIOTITE/CALCITE HORNFELS - medium grained to fine grained bands of these rock types - rock well jointed. No visible scheelite mineralisation.	
QUARTZITE 138.5 - 160	QUARTZITE - highly broken fine grained grey quartzite, well jointed.	60°, 20°, 90°
PYROXENE/CALCITE HORNFELS 160 - 173	PYROXENE/CALCITE HORNFELS, ~~medium grained to coarse grained green and grey rocks respectively with some good scheelite mineralisation from~~ 160' to 161'.	
QUARTZITE 173' - 287.5	QUARTZITE, ~~fine grained grey to dark grey~~ black rock spotted in part. From 209 to 210 Aplite with some pyrite. 219' to 223' core broken with some quartz fragments. From 217 to 217.5 quartz veins form along joints at 15°. From 278 to 282 Aplite - fine grained cream-grey rock.	70°, 15°, 5°
	END OF HOLE -287.5 FEET	

DDH 291 - RE-LOG P.C. OCTOBER, 1972.

UNIT	REMARKS
0 - 117'	Predominantly clay, see other log.
C-LENS 117 - 135'	117 - 123' oxidised banded garnet pyroxene skarn with abundant calcite and specks of MoS_2. Scheelite mineralisation very weak. 123 - 124' clay 124 - 125' marble band 125 - 135' massive slightly oxidised andradite skarn becoming pyroxene rich in last 5 feet. 133 - 133'6" siliceous pale green-grey hornfels.
FAULT ? 138 - 146'	core extensively broken.
OLDER VOLCANICS 146 - 160'	massive light grey mottled fine grain hornfels composed predominantly of actholite and quartz. Some sections very rich in pyrrhotite.
MARBLE 160 - 175'	coarse grained marble partially replaced by quartz grading into garnet pyroxene hornfels at 169'.
QUARTZITE 175' to coh.	light grey quartzite, see other log for detail.

BEDDING

25° at 137'
30° at 163'

NOTES ON DDH 290 P.C. OCTOBER, 1972.

Angle of bedding to long axis of core

45°	at	153'
70°	at	110'
45°	at	100'
40°	at	120'
35°	at	166'

Above 114' is replaced footwall beds with biotite-pyroxene hornfels dominant in the last 8'.

114 - 125' "older - volcanics".

DDH 291

CASING 140'

SURVEYED 11/6/70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

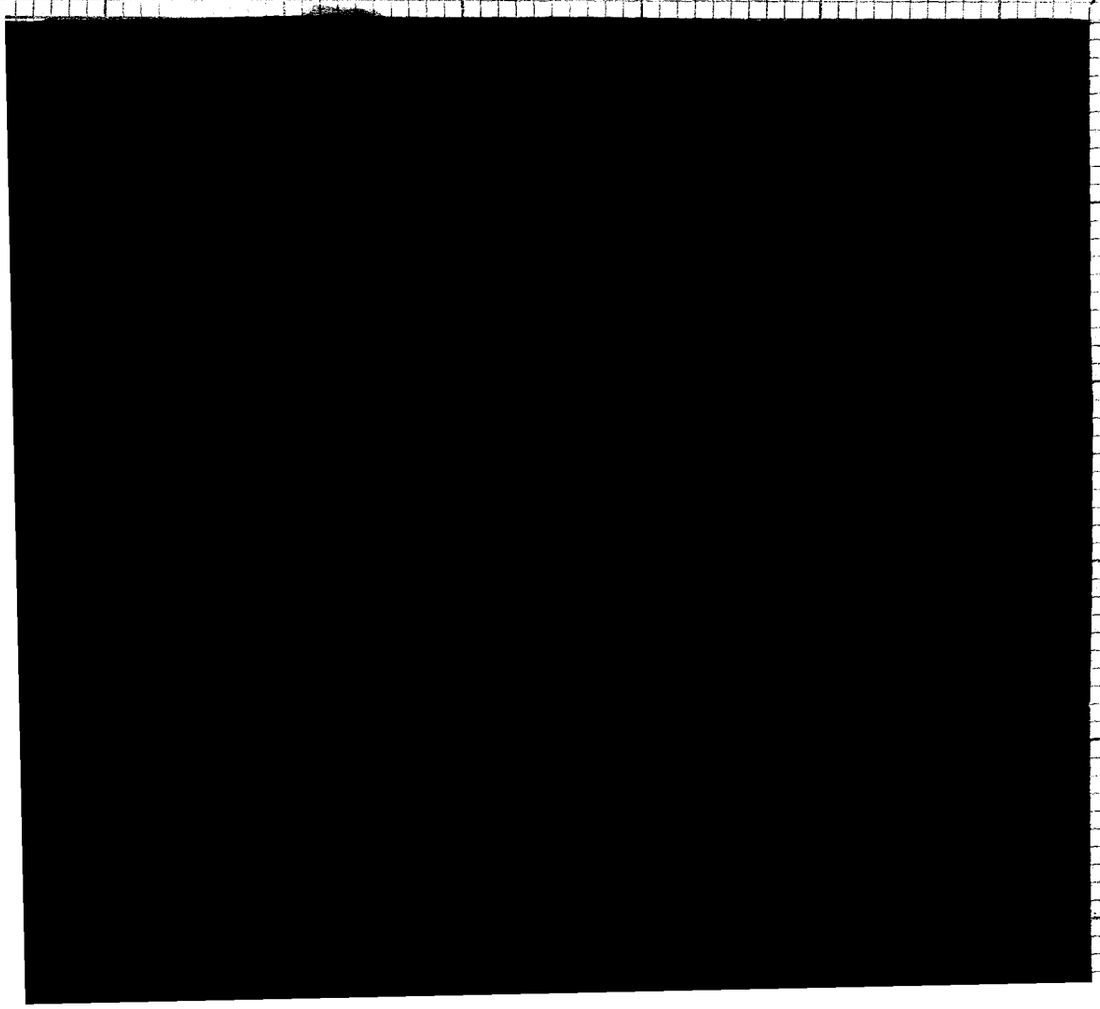
1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tengent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
20	20	15'	1.0000 .0044	.0044	20.00	20.00	.088	N 83 W	.1219 .9925
40	20	no reading							
60	40	45'	.9999 .0131	.0131	39.996	59.996	.524	N 15 W	.9659 .2588
80	20	1.00	.9998 .0175	.0175	19.996	79.992	.350	N 65 W	.4226 .9063
* 100	20	1.00	.9998 .0175	.0175	19.996	99.988	.350	S 31 W	.0572 .5150
120	20	1.15'	.9998 .0218	.0218	19.996	119.984	.256	N 83 E	.1219 .9925
140	20	1.00	.9998 .0175	.0175	19.996	139.980	.350	S 89 E	.0175 .9998
160	20	1.00	.9998 .0175	.0175	19.996	159.976	.350	S 3 W	.9986 .0523
180	20	1.00	.9998 .0175	.0175	19.996	179.972	.350	S 5 E	.9962 .0872
* 200	20	1.00	.9998 .0175	.0175	19.996	199.968	.350	S 5 E	.9962 .0872
220	20	1.30'	.9997 .0262	.0262	19.994	219.962	.524	S 6 W	.9945 .1045
240	20	1.30'	.9997 .0262	.0262	19.994	239.956	.524	S 8 W	.9903 .1392
260	20	1.45'	.9995 .0305	.0306	19.990	259.946	.610	S 12 W	.9781 .2079
280	20	1.45'	.9995 .0305	.0306	19.990	279.936	.610	S 10 W	.9848 .1736
20	20	30'	1.0000 .0087	.0087	20.00	20.00	.174	S 8 E	.9903 .1392
40	20	no reading							
60	40	15'	1.0000 .0044	.0044	39.996	59.996	.176	S 37 W	.7986 .6018
80	20	0°	1.0000 .0000	.0000	20.000	79.996	.0000	-	.0000 1.0000
100	20	45'	.9999 .0131	.0131	19.998	99.994	.524	N 40 E	.7660 .6428
120	20	1.00	.9998 .0175	.0175	19.996	119.990	.350	N 73 W	.2924 .9563
140	20	1.00	.9998 .0175	.0175	19.996	139.986	.350	S 5 W	.9962 .0872
160	20	30'	1.0000 .0087	.0087	20.000	159.986	.174	N 5 W	.9962 .0872
180	20	45'	.9999 .0131	.0131	19.998	179.984	.524	S 25 E	.9063 .4226
200	20	1.00	.9998 .0175	.0175	19.996	199.980	.350	S 3 E	.9986 .0523
220	20	1.00	.9998 .0175	.0175	19.996	219.976	.350	S 3 E	.9986 .0523
240	20	1.15'	.9998 .0218	.0218	19.996	239.972	.956	S 6 W	.9945 .1045
260	20	1.30'	.9997 .0262	.0262	19.994	259.966	.524	S 8 W	.9903 .1392
280	20	1.45'	.9995 .0305	.0306	19.990	279.956	.610	S 10 W	.9848 .1736

11	12										
Contangent Tangent	Deflection										
·1228	·088										
		· ·011			·087	·011			·087		
·2679	·612										
·4663	·962	·506			·136	·517			·223		
·6009	1·312	·148			·317	·665			·540		
·1228	1·568		·555		·180	*·110			*·720		
·0175	1·918	·031		·254		·141			·466		
·0524	2·268		·006	·350		·135			·116		
·0875	2·618		·350		·018		·215		134		
·0875	2·968		·349	·031			·564		·103		
·1051	3·492		·349	·031			*·913		*·072		
·1405	4·016		·521		055		1·434		·127		
·2426	4·626		·519		073		1·953		·200		
·1763	5·236		·596		·127		2·549		·327		
			·171		·106		2·720		·433		
·1405	·174		·172	·524			·172	·024			
·7536	·850		·141		·106		·313		·082		
·0000					0						
·8391	·874	·414			·337	·101			·419		
·3057	1·224	·102			·335	·203			·754		
·0875	1·574		·349	·031			·146		·723		
·0875	1·748	·174			·015	·028			·738		
·4663	2·272		·475	·221			·447		·517		
·0524	2·622		·350	·018			·797		·499		
·0524	2·972		·350	·018			1·147		·481		
·1051	3·228		·256		·027		1·403		·508		
·1405	3·752		·519		·073		1·922		·581		
·1763	4·362		·171		·106		2·093		·687		

N S W E D.D.H.291

1 1

2 2



N

W E

S

DIAMOND DRILL HOLE NO. 290

LOCATION:	Investigator 7, Line 15
CO-ORDINATES:	N - 100667N ;E 99690
R.L.:	213'
DATE COMMENCED:	13th November, 1969.
DATE COMPLETED:	4th December, 1969.
FINAL DEPTH:	410 Feet
DATE SURVEYED:	4th December, 1969.
LOGGED BY:	P. Le Messurier.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo.
	0	17	17	0		
A0881	17	21	4	3.5	0.06	<0.01
0882	21	25	4	3.7	0.07	<0.01
0883	25	29	4	3.9	0.07	<0.01
0884	29	33	4	3.5	0.06	<0.01
0885	33	38	5	2.0	0.06	<0.01
0886	38	44	6	1.7	0.06	<0.01
0887	44	48	4	3.2	0.08	<0.01
	48	72	2.4	7.0		
0888	72	75	3	0	0.05	<0.01
0889	75	79	4	0	0.07	<0.01
0890	79	83	4	0	0.07	<0.01
0891	83	85	2	0	0.05	<0.01
0892	85	87	2	0	0.07	<0.01
0893	87	89	2	0	0.07	<0.01
0894	89	91	2	0	0.05	<0.01
0895	91	93	2	0	0.05	<0.01
0896	93	95	2	0	0.06	<0.01
0897	95	96	1	1	0.19	0.03
0898	96	99	3	3	0.06	0.03
0899	99	102	3	2	0.17	0.042
0900	102	104	2	2	0.05	0.027
0904	104	106	2	2	0.05	0.022
0905	106 32.3	108	2	2	0.39	0.068
0906	108 32.9	109	1	1	0.43	0.033
	109 42.2	114	5	5		
	114	125	11	10.5		
	125	136	11	10.5		

LOG DRILL HOLE No. 290

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	Surface soil, sand and clay.	
GARNET/PYROXENE HORNFELS 17'-48' 14.63	Hornfels, generally siliceous with minor garnet and pyroxene rich zones, remnants fragmental texture. Highly weathered limonitic in part. Sporadic patches of lumenescence.	
	Hornfels, generally as above, limonite abundant, generally softer and containing more pyroxene.	
PYROXENE HORNFELS 48' - 72' 21.94	PYROXENE HORNFELS, with minor bands of biotite and garnet hornfels, weathered in situ to clay, original banding and structure still easily discernable.	
No Core	No Core recovered, drilling rate indicated very soft conditions. Sludge sampled from drill fluid at collor.	
BANDED HORNFELS 95' - 114' 28.95 36.[illegible]	BANDED HORNFELS, Pyroxene hornfels and garnet hornfels in almost equal percentage with minor biotite hornfels and marble, generally well banded but bands often irregular. Irregularly disseminated scheelite and minor molybdenite.	
ACTINOLITE HORNFELS 114' - 125' 38.1	ACTINOLITE HORNFELS, massive, mid-grey green very minor banding with biotite and pyroxene rich bands.	
MARBLE 125' - 136' 41.45	MARBLE, fine grained very dirty and irregularly banded in part.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	
A0907	136	138	2	1.5	0.04	<0.01	
0908	138	140	2	2.0	0.15	0.03	
0909	140	142	2	2.0	0.07	0.025	
0910	142	144	2	1.9	0.06	0.042	
0911	144 43.9	146	2	1.7	0.26	0.032	
0912	146 44.5	148	2	1.9	0.50	0.051	0.74/8'
0913	148 45.1	150	2	2.0	1.42	0.136	
0914	150 45.7	152 46.3	2	2.0	0.80	0.064	
	152	159.5	7.5	7.5			
	159.5	165	5.5	5.5			
	165	184	19	19			
	184	201	17	17			
	201	243	42	41			
	243	250	7	7			
	250	268	18	17.5			
	268	296	28	27			

	GEOLOGICAL DESCRIPTION	FRACTURING
KARN 136'-152' 46.33	HORNFELS/SKARN, very impure marble with abundant chlorite, pyroxene biotite and minor garnet.	
MARBLE 152'-159'5' 48.7	MARBLE, well crystallised massive but with many irregular lenses and bands of biotite, chlorite and pyroxene, some very minor scheelite.	
ALTERATION ZONE (FAULT?)	ALTERATION ZONE - a strongly chloritised and epidotised siliceous rock with abundant calcite veinlets and blebs.	
QUARTZITE 165' - 410'	QUARTZITE - fine grained massive, mid-grey with lighter sections, irregular darker mottlings associated with increase in biotite and ? chlorite in part.	
	QUARTZITE - very fine light grey massive, irregular talcose and chloritic fractures in basal 2 feet.	
	QUARTZITE - fine mid-grey with abundant darker mottlings giving a coarse granular texture in part, mottlings frequently show an at 70 to 80° to L.C.A.	
	QUARTZITE - mid-grey strongly mottled, numerous talcose and carbonate filled fractures, core badly broken.	
	QUARTZITE - very fine generally light grey with some darker zones, massive, minor jointing throughout, core fractured 253'-256'.	
	QUARTZITE - fine mid-grey with abundant darker mottlings, occasional very fine light grey bands, fracturing minor.	

LOG DRILL HOLE No. 290

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	QUARTZITE, fine and very fine light grey much brittle fracturing with carbonate and talcose coatings	80% core 1" pieces
	QUARTZITE, fine grained mid-grey massive, faintly mottled in part, three small aplite veins at 308.5', 313' and 318'.	
	QUARTZITE, fine grained, abundant fractures with talcose and chloritic facings, grades to breccia in part.	
	QUARTZITE, light grey and mid-grey broardly banded with some mottling, massive core with very minor jointing and fracturing.	
FAULT BRECCIA	BRECCIA - fragments of quartzite in chloritic clay pug, many carbonate veins, quartzite heavily impregnated with chlorite and epidote ?	100% 1" pieces
	QUARTZITE, mid to dark grey, strongly impregnated with chlorite, chlorite and carbonate veins.	
	QUARTZITE, light grey cryptocrystalline, massive.	
	QUARTZITE - light and mid-grey, irregularly mottled and banded with darker biotite rich bands and blebs. AO'2" aplite band at 254'.	
	QUARTZITE - generally lighter and finer, some darker bands and mottlings.	
APLITE	APLITE - medium grained.	
	QUARTZITE, light and mid-grey irregularly interbedded in broard bands to 2 feet. Some darker mottling O'2" Aplite band at 372'.	
	QUARTZITE - mid-grey, generally uniformly mottled with fine dark flecks and blebs (Biotite rich) massive, O'3" Aplite vein at 388'6", O'9" chlorite rich aplite at 400'.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	296	306	10	8.7	
	306	323	17	16.5	
	323	327	4	3.5	
	327	332.5	5.5	5.3	
	332.5	337	4.5	3.5	
	337	343.5	6.5	6.2	
	343.5	347.5	4	4	
	347.5	358	10.5	10.5	
	358	365	7	7	
	365	366.5	1.5	1.5	
	366.5	384	21.5	21.0	
	384	410	16	16	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 290

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0881	17	21	4	0.06	(0.01		
A0882	21	25	4	0.07	(0.01		
A0883	25	29	4	0.07	(0.01		
A0884	29	33	4	0.07	(0.01		
A0885	33	38	5	0.07	(0.01		
A0886	38	44	6	0.06	(0.01		
A0887	44	48	4	0.06	(0.01		
A0888	72	75	3	0.05	(0.01		
A0889	75	79	4	0.07	(0.01		
A0890	79	83	4	0.07	(0.01		
A0891	83	85	2	0.05	(0.01		
A0892	85	87	2	0.07	(0.01		
A0893	87	89	2	0.07	(0.01		
A0894	89	91	2	0.05	(0.01		
A0895	91	93	2	0.05	(0.01		
A0896	93	95	2	0.06	(0.01		
A0897	95	96	1	0.19	0.03		
A0898	96	99	3	0.06	0.03		
A0899	99	102	3	0.17	0.042		
A0900	102	104	2	0.05	0.027		
A0904	104	106	2	0.05	0.022		
A0903	106	108	2	0.39	0.068	0.78	3' at 0.40% WO_3
A0906	108	109	1	0.43	0.033	0.43	
A0907	136	138	2	0.04	(0.01		
A0908	138	140	2	0.15	0.03		
A0909	140	142	2	0.07	0.025		
A0910	142	144	2	0.06	0.042		
A0911	144	146	2	0.26	0.032	0.52	
A0912	146	148	2	0.50	0.051	1.00	8' at 0.74% WO_3
A0913	148	150	2	1.42	0.136	2.84	
A0914	150	152	2	0.80	0.064	1.60	

DDH 290

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

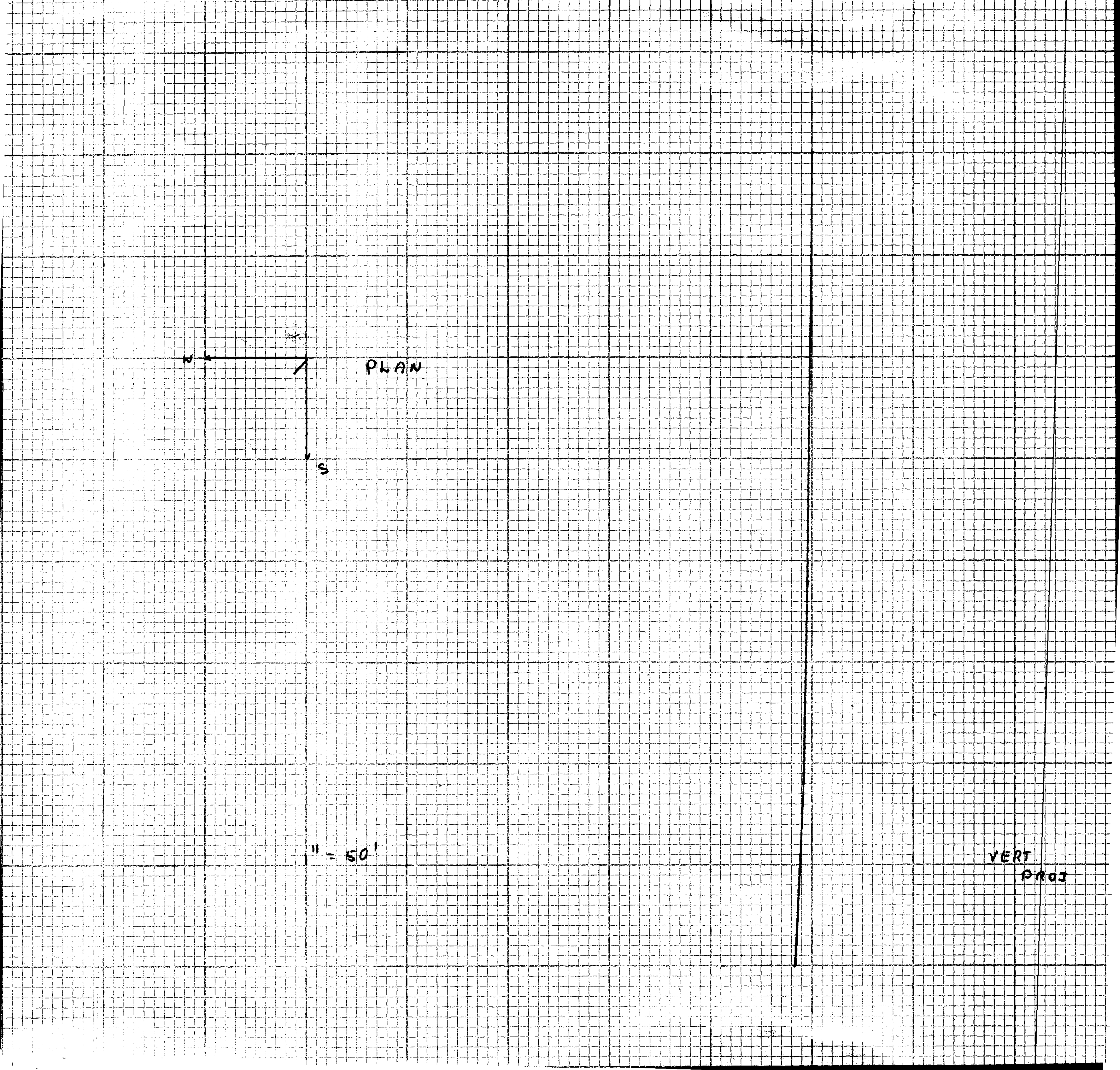
1	2	3	4	5	6	7	8	9	10	11
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contange Tangen
110	110	30'	1.0000 .0087	.0087	110	110.00	0.9570	S 20° W	0.9397 0.3420	0.3640
210	100	05'	.9999 .0131	.0131	99.99	209.99	1.3100	S 77° W	0.2250 0.9744	0.2309
310	100	1° 30'	.9997 .0262	.0262	99.97	309.96	2.6200	S 27° W	0.8910 0.4540	0.5095
400	90	2° 15'	.9992 .0393	.0393	89.92	399.88	3.5370	S 41° W	0.7547 0.6561	0.8693

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	0.8993		0.3273		0.8993		0.3273
	0.2908		1.2765		1.1871		1.6038
	2.3344		1.1895		3.5215		2.7933
	2.6694		2.3206		6.1909		5.1139

DDH 290



DIAMOND DRILL HOLE NO. 289A

LOCATION:	Investigator 7, Line 15
CO-ORDINATES:	99663E, 100576N
R.L.:	278.9 Feet
DATE COMMENCED:	16th January, 1970
DATE COMPLETED:	26th February, 1970
FINAL DEPTH:	295 Feet
DATE SURVEYED:	
LOGGED BY:	P. L. Kitto

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	Rubble - tumbled boulders of very highly silicified biotite hornfels. L' clayey zone at 49'. Last foot core.	
	BIOTITE HORNFELS - very dark brown tough now highly silicified rock. Aphanitic. Very badly broken 81' - 82', 86' - 88'.	
	? Limey Siltstone - soft friable, silty rock, partially silicified in part, strongly jointed, badly broken.	
	Green Soil - green soil to clay with pieces of extremely weathered rock, silty, with - ? chloritic material, some joint faces, some serpentinitic material on them.	
	SILTSTONE - fractured, very badly broken and jointed silty rock, with green clay. Some free quartz in parts, partially silicified in others.	
	SILICEOUS PYROXENE-CALCITE HORNFELS - pinky coloured with green pyroxene, some lime content. Very impure hornfels.	
	Impure CALCITE HORNFELS - dirty off-white to grey calcareous rock, patches of white calcite hornfels, bands of silicified aphanatic black rock, bands of pyroxene, minor garnet.	
	GARNET HORNFELS - predominantly garnet with some pyroxene and calcite.	
	PYROXENE-BIOTITE HORNFELS - bands of garnet in it. Very badly broken.	
	BIOTITE HORNFELS - brown tough, friable biotite rich rock.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH DISC'D.	ASSAYS WO_3	ASSAYS Mo
	0	52 15.85	52	11		
	52	92 28.04	40	33.85		
	92	97	5	5		
	97	109.5	12.50	4.50		
	109.50 33.37	139.50 42.52	30.0	11.0		
	139.5 "	144.75 44.12	5.25	2.33		
	144.75	150.0	5.25	4.25		
A1264	150.0	152.0	2	2	0.02	(0.01
A1265	152.0	154.0 46.94	2	2	0.03	(0.01
A1266	154.0	156.0 47.5	2	2	0.41	(0.01
A1267	156.0	158.0 48.1	2	2	0.30	(0.02
A1268	158.0	160.0 48.7	2	2	0.48	0.027
A1269	160.0	162.0 49.5	2	2	0.77	0.034
A1270	162.0	164.0 50	2	2	0.74	0.030
A1345	164.0	167.0 50.9	3	2	0.56	0.040
A1346	167.0	169.0	2	1.8	0.07	<0.01
A1347	169.0	171.0 52.1	2	2	0.06	<0.01
A1348	171.0	173.0 52.7	2.	2	0.23	<0.01
A1349	173.0	175.0 53.34	2	2	0.51	0.004
A1350	175.0	177.0	2	2	0.09	0.010
A1350	177.0	179.0	2	2	0.08	0.012
	179.0	181.0 55.16	2	2		

DRILL HOLE No. 289A

LOGS	GEOLOGICAL DESCRIPTION	FRACTURIN

PYROXENE-BIOTITE or BIOTITE PYROXENE HORNFELS, extremely broken, mottled mainly intermixture of biotite and pyroxene, bands of impure garnet. Band of garnet with scheelite from 195' - 196'.

CALCITE HORNFELS - slightly impure calcite rock.

PYROXENE-BIOTITE HORNFELS - badly broken, greenish extremely altered rock, fractured, filled with ? chlorite.

FAULT ZONE - no core

QUARTZITE - light grey aphanitic siliceous rock, badly broken, bad core recovery. Relatively homogeneous, spotted in part, very badly fractured and jointed. Bad core recovery. Lighter coloured phase 262' - 264'.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	181	198	7	7	
		60.35			
	198	203	5	5	
	203	208	5	3	
		63.4			
	208	210	2	-	
	210	295.0	85	59.25	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 289A

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A1264	150	152	2	0.02	(0.01		
A1265	152	154	2	0.03	(0.01		
A1266	154	156	2	0.41	(0.01	0.82	
A1267	156	158	2	0.30	0.021	0.60	
A1268	158	160	2	0.48	0.027	0.96	
A1269	160	162	2	0.77	0.034	1.54	12' at
A1270	162	164	2	0.74	0.030	1.48	0.54% WO_3
A1345	164	167	3	0.56	0.040	1.12	
A1346	167	169	2	0.07	(0.01		
A1347	169	171	2	0.06	(0.01		
A1348	171	173	2	0.23	(0.01	0.46	4' at 0.37% WO_3
A1349	173	175	2	0.51	0.024	1.02	

DIAMOND DRILL HOLE NO. 289

LOCATION:	Investigator 7, Line 15
CO-ORDINATES:	330W, 566N
R.L.:	
DATE COMMENCED:	5th December, 1969
DATE COMPLETED:	14th January, 1970.
FINAL DEPTH:	170 Feet
DATE SURVEYED:	
LOGGED BY:	P. Le Messurier, P. Kitto

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	0	8	8	0		
	8	17	9	6		
	17	40	23	15		
	40	62	22	17.25		
	62	139.66	77.66			
	139.66	142	2.33	1.1		
	142	150	8	4		
A1079	150	152	2	1.75	0.08	0.05
A1080	152	154	2	2.0	0.11	0.01
A1081	154	156	2	2	1.29	0.05
A1082	156	158	2	2	0.71	0.03
A1083	158	160	2	2	0.33	0.02
A1084	160	162	2	2	0.30	0.02
A1085	162	164	2	2	0.15	0.01
A1086	164	166	2	2	0.08	0.02
A1087	166	168	2	2	0.26	0.04
A1088	168	170	2	2	0.46	0.02

LOG DRILL HOLE No. 289

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	No Core Clay and strongly weathered hornfels.	
	QUARTZITE - very fine grained siliceous with rather indistinct banding in part - very weathered and clayey in upper half of unit, strongly jointed with weathering associated with fractures.	
	QUARTZITE - fine grained with banding of biotite and pyroxene, abundant biotite in part as rock grades to biotite hornfels.	
	QUARTZITE - grey, relatively fine grained quartzite towards end of footage coarse grainted? chloritic, extremely friable, abundant joint and fracture faces filled with chlorite. 1.5' graphic growth ? remobilised section at 92.5'. Extremely broken from 94' and weathered from 100'. Scheelite free.	
	HORNFELS - Predominantly pyroxene various size grains, some banding. Some garnet, minor minor garnet of coarser grain size in bands.	
	MARBLE - impure, whitish colour, some banding. Garnet bands and patches occur. At 147.5' 8" band skarn with calcite vags est. No. 3 0.4%.	
SKARN 150'-170'	SKARN - HORNFELS, garnet, pyroxene calcite hornfels (skarn). Zone brecciation with quartzite at 151.75'. Siliceous band at 162.5' to 163.75'.	
	At this point hole was stopped, recemented as it bogged in. Drilling recommenced at 101', went off from the cement as rods got stuck at 121'. Hole had to beabandoned.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	101	121	20	13.5	

DRILL HOLE No. 289

FROM TO	GEOLOGICAL DESCRIPTION	FRACTURING
	Logging Hole from 101' - 124'	
	QUARTZITE - white with olive patches of ? chlorite. Very friable, badly broken. 101' - 102' excessive ? chlorite. 102' - 103' breccia, chlorite matrix.	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 289

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	A1079	150	152	2	0.08	0.05		
	A1080	152	154	2	0.11	0.01		
	A1081	154	156	2	1.29	0.05	3.58	
	A1082	156	158	2	0.71	0.03	1.42	
	A1083	158	160	2	0.33	0.02	0.66	8' at 0.78% WO_3
	A1084	160	162	2	0.30	0.02	0.60	
	A1085	162	164	2	0.15	0.01		
	A1086	164	166	2	0.08	0.02		
	A1087	166	168	2	0.26	0.04	0.52	2' at 0.26% WO_3
	A1088	168	170	2	0.46	0.02		

DIAMOND DRILL HOLE NO. 288

LOCATION:	Investigator 7, Line 1S
CO-ORDINATES:	100230E, 100700N
R.L.:	
DATE COMMENCED:	19th January, 1970.
DATE COMPLETED:	16th February, 1970.
FINAL DEPTH:	315 Feet
DATE SURVEYED:	
LOGGED BY:	P. L. Kitto

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS			
	0	34	34	7				
	34	315.0	281.0	244.65				

DRILL HOLE No. 288

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	Rubble - tumbled pieces of quartzite. Light grey, fairly coarsely crystalline variety. Structureless.	
QUARTZITE 34' - 315'	QUARTZITE - Light grey to very light grey siliceous rock, tough, various degree of crystallinity, some very fine grained to aphanitic. Spotted from 48' - 49'. Lighter coloured cherty phases at 51.5' - 52.0' and 59' - 62'. 6" lighter band at 72.5'. Dark spotted variety 101' - 114'. Lighter coloured from 114' - 132', relatively homogeneous tough siliceous rock. Some pyroxene- garnet hornfels mixed in but silicified at 127'. 6" spotted band at 204'. Mottled-patchy variety from 206' - 213.5'. Very badly broken from 215'. Extensive pyrite from 218' - 221'. 2" quartz vein at 288.75' 1" "quickstone" or "Fluidal" type quartzite at 240'. 9" spotted type of quartzite at 261'. Badly broken and strongly jointed. Relatively fine grained to aphanitic quartzite from 293', very badly broken, some calcite of discernable joint planes.	

DDH 288
20' Casing

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Vertical Depth	True Vertical Depth	Course Departure	Drift Direction	Cosine Sine
			.9998						.7660
50	50	1°	.0175	.0175	49.99	49.99	.875	S40W	.6428
			.9994						.5000
150°	100	2°	.0349	.0349	99.94	149.93	3.49	S60W	.8660
			.9986						.5000
250	100	3°	.0523	.0524	99.86	249.79	5.23	S60W	.8660

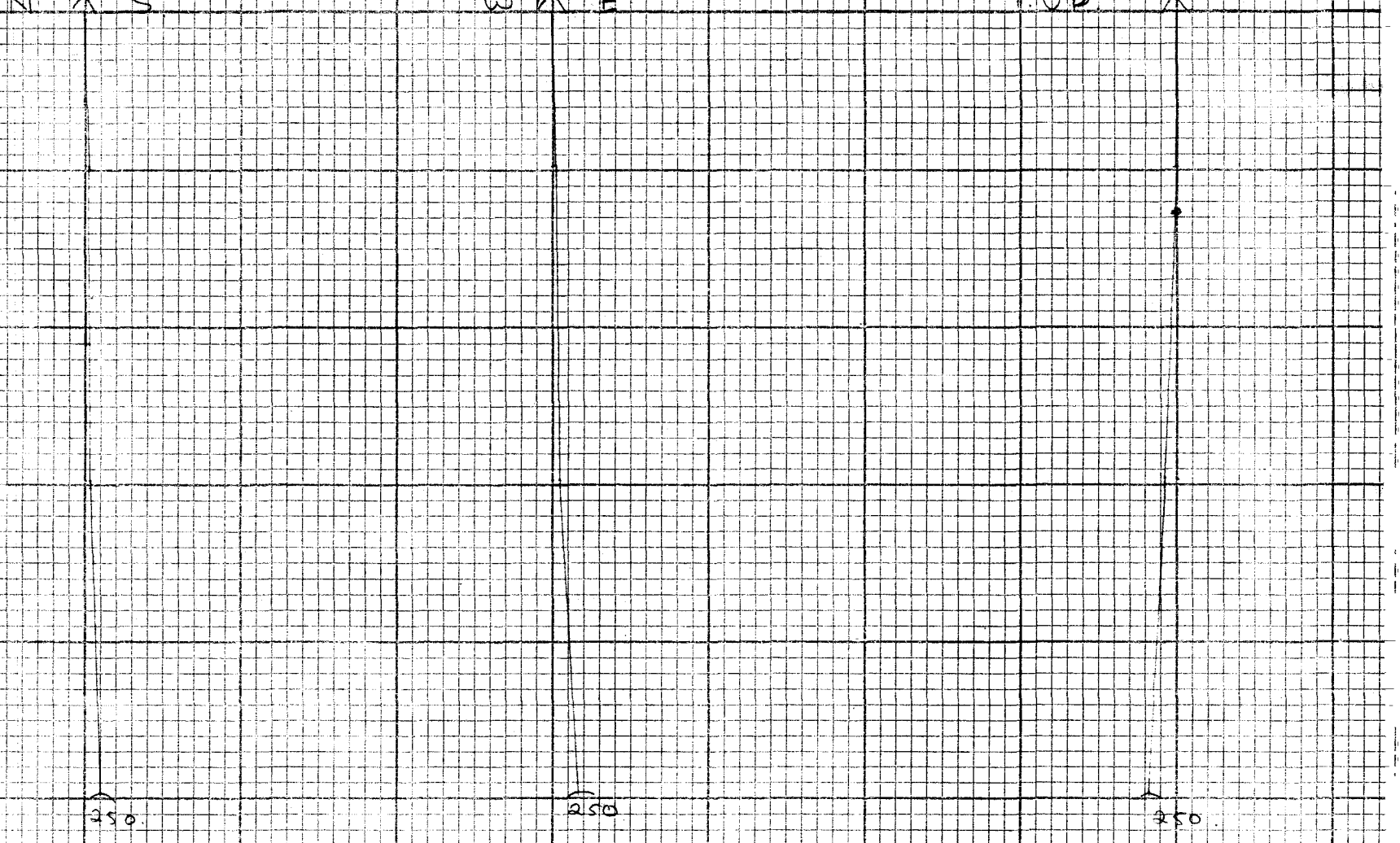
EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

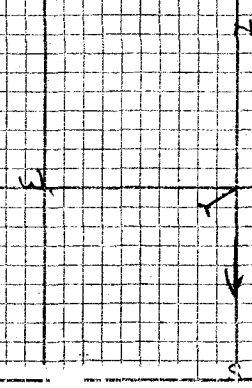
11	12	13	14		15		16	
Contingent Tangent	Deflection	Coordinate Difference			Rectangular Difference			
		S	E	W	N	S	E	W
0.8391	.875	.67025		.56245		.67025		.56245
0.5774	4.365	1.745		3.01234		2.41525		3.58479
0.5774	9.595	2.615		4.51918		5.03025		8.11397

No 1 ORE BODY

DDH 288



PLAN VIEW



DDH 287 P.C. OCTOBER, 1972.

Angle of bedding to long axis of core.

35°	at	50'
65°	at	80'
70°	at	100'
60°	at	150'
30°	at	[redacted]'

Co-ords 219 693·8 E.
564 391·0 N.

DIAMOND DRILL HOLE NO. 287

LOCATION:	Investigator 7 (Line 12)
CO-ORDINATES:	
R.L.:	~ 77.42 m (ISG
DATE COMMENCED:	27th October, 1969.
DATE COMPLETED:	8th November, 1969.
FINAL DEPTH:	312 Feet
DATE SURVEYED:	8th November, 1969.
LOGGED BY:	P. Le Messurier

GEOPEKO LIMITED, KING ISLAND. DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	0	8	8	0		
	8	45	37	37		
A0765	45	47	2	1.5	0.08	0.012
A0766	47	49	2	1.5	0.04	0.015
A0767	49	51	2	2	0.02	<0.01
A0768	51	53	2	1.5	0.02	<0.01
A0769	53	54	1	1	0.03	<0.01
A0770	54	56	2	1.6	0.05	0.11
A0771	56	58	2	1.7	0.06	0.025
A0772	58	60	2	1.5	0.05	0.043
A0773	60	62	2	1.7	0.08	0.018
A0774	62	64	2	2	0.03	<0.01
A0775	64	66	2	2	0.03	<0.01
	66	89.7	23.7	21		
A0776	89.7	92	2.3	1.7	0.09	<0.01
A0777	92	94	2	1.5	0.02	<0.01
A0778	94	96	2	1.7	0.05	<0.01
A0779	96	98	2	2	0.02	<0.01
	98	115	17	17		
A0780	115	117	2	2	0.05	<0.01
A0781	117	118.7	1.7	1.7	0.05	<0.01
A0782	118.7	120	1.3	1.3	0.13	0.036

DRILL LOG DRILL HOLE No. 287

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	Surface soil and rubble.	
Biotite Hornfels 8' - 45' 13.72	BIOTITE HORNFELS - mid and dark brown grey,	
	generally massive, come minor banding, very	
	siliceous in part, some lime rich bands in	
	basal 2 feet. Fracturing 80% 1" pieces	24' - 30'
MARBLE 45' - 115' 35.05	MARBLE, very impure with argilloceous	
	admixture quartz vein in upper 2', blue and	
	yellow fluor.	
	MARBLE, slightly banded and mottled, a few	
	irregular pyroxene garnet blebs, very fine	
	disseminated yellow fluor.	
	SKARN, poorly developed, garnet pyroxene	
	mixture, many quartz veins and zones of	
	biotite chlorite. Irregularly dispersed	
	yellow fluor., coarse grained in part.	
	BIOTITE HORNFELS, massive dark fine grained.	
	MARBLE crystalline slightly marbled and	
	banded, fine disseminated yellow fluor.	
	MARBLE, generally well crystallised, many	
	irregular bands and blebs of garnet, pyroxene	
	and biotite, ranging from ½" to 2" width.	
	Very rare fine grain yellow fluor.	
	SKARN, very irregularly banded and contorted	
	garnet/pyroxene rock with minor quartz cal-	
	cite and biotite. Yellow and blue fluor.	
	MARBLE, with garnet and pyroxene/biotite bands.	
	MARBLE, abundant garnet band, grading to	
	garnet hornfels for basal 6".	
	MARBLE, generally well crystalline, garnet	
	pyroxene, biotite bands sporadically throughout.	
GARNET HORNFELS 115' - 122' 37.19	GARNET HORNFELS with numerous bands of	
	pyroxene and biotite hornfels, unit grades	
	to a skarn in part, fine yellow fluor.	

GEOPEKO LIMITED, KING ISLAND.

DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo		
A0783	120	122	2	2	0.05	<0.01		
	122	137	15	14				
	137	147	10	8.5				
	147	150	3	1.6				
A0784	150	151.5	1.5	1	0.06	<0.01		
A0785	151.5 (46.17)	153.5	2	1.6	0.92	0.068		1845
A0786	153.5 (46.79)	155.5	2	1.6	0.60	0.039	55	1120
A0788	155.5 (47.40)	157 (47.85)	1.5	1.3	0.89	0.05		
	157	167	10	9.7				
A0804	167	168	1	1	0.09	<0.01		
A0805	168	169 (51.51)	1	1	0.09	<0.01		
A0806	169	171 (52.12)	2	2	0.08	<0.01		
A0807	171	173	2	2	0.08	0.021		
A0808	173	175	2	2	0.09	0.019		
A0809	175	176 (53.64)	1	1	0.09	0.013		
A0810	176	178	2	2	0.34	0.024		
A0811	178	180	2	2	0.15	<0.01		
A0812	180	181	1	1	0.10	<0.01		
	181	185.5 (56.54)	4.5	4.4				
	185.5	187	1.5	1.2				

DRILL LOG DRILL HOLE No. 287

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	disseminated throughout coarse grain sect	
	118.7' to	
BIOTITE HORNFELS 122' - 137' 41.75	BIOTITE/PYROXENE HORNFELS - irregularly	
	but well banded, occasional garnet rich	
	bands to 1" benerally containing minor	
	amounts of fine yellow fluor.	
CHLORITE 137' - 147' 44.80	CHLORITE - dark green rock composed almost	
	entirely of fibrous chlorite minor amounts	
	of pyroxene and biotite, abundant slicken-	
	sided surfaces.	
PYROXENE/GARNET HORNFELS 147' - 185.5' 56.54	PYROXENE HORNFELS, mid-green grey massive,	
	some biotite bands.	
	GARNET HORNFELS, grading to a true skarn in	
	part, many calcite and quartz veinlets,	
	sparodic pyroxene rich zones pyrite comman	
	as fine veinlets and disseminations of	
	yellow fluor.throughout.	
	PYROXENE HORNFELS, generally unbanded	
	granular, sporadic biotite bands, garnet	
	bands with fluor.mineral in basal 1'.	
	GARNET HORNFELS, abundant calcite and quartz	
	and minor pyroxene, yellow fluor. throughout.	
	PYROXENE HORNFELS, grading to biotite/	
	pyroxene hornfels in part, banding irregular	
	and discontinuous.	
	GARNET HORNFELS, much calcite and quartz,	
	sporadic pyroxene rich patches.	
	PYROXENE HORNFELS, granular and poorly	
	banded, irregular bands of garnet hornfels	
	and biotite hornfels.	
	BRECCIA, fragments of quartzite recemented	
	in siliceous matrix, bleached appearance.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	187	194	7	7	
	194	205	11	10.5	
	205	214	9	8.5	
	217	237	20	19.7	
	237	248	11	10.7	
	248	265	17	16	
	265	279	14	13.2	
	279	281	2	1.5	
	281	312	31	28.5	

DRILL LOG DRILL HOLE No. 287

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
QUARTZITE 187'	QUARTZITE, midgrey and light grey mottled, mottling very irregular from bands to blebs, related to biotite content in part.	
	QUARTZITE, generally light grey cryptocrystalline to very fine granular, some irregular mottlings.	
	QUARTZITE, mottled, very fractured, abundant talcose fractures.	80%> 1"
	QUARTZITE, medium grain, generally massive and quite granular in part, light to mid grey with occasional mottlings. Fine disseminated pyrite and pyrite with chlorite on joint faces.	
	QUARTZITE, mid-and dark grey with lighter bands and mottlings, fine grain to cryptocrystalline in part. Generally well fractured.	
	QUARTZITE, light and mid grey granular fine grained massive, some darker mottlings and bandings, unit becomes generally finer towards base. Basal - 6 feet strongly fractured.	
	QUARTZITE, variable grainsize - very dark and mottled in part - with biotite and chlorite moreabundant.	
	Breccia Zone, angular fragments of quartzite, white quartz and calcite.	
	QUARTZITE, mid-grey with some lighter bands, occasional zones of irregular dark mottlings, grainsize generally fine but granular, massive with virtually no banding. Minor breccia zone at 294'. Pyrite on joint surfaces and as fine veinlets and disseminations in part. Strongly fractured 80% less than 1" pieces.	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 287

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0765	45	47	2	0.08	0.012		
A0766	47	49	2	0.04	0.015		
A0767	49	51	2	0.02	(0.01		
A0768	51	53	2	0.02	(0.01		
A0769	53	54	1	0.03	(0.01		
A0770	54	56	2	0.05	0.11		
A0771	56	58	2	0.06	0.025		
A0772	58	60	2	0.05	0.043		
A0773	60	62	2	0.08	0.018		
A0774	62	64	2	0.03	(0.01		
A0775	64	66	2	0.03	(0.01		
A0776	89.7	92	2.3	0.09	(0.01		
A0777	92	94	2	0.02	(0.01		
A0778	94	96	2	0.05	(0.01		
A0779	96	98	2	0.02	(0.01		
A0780	115	117	2	0.05	(0.01		
A0781	117	118.7	1.7	0.05	(0.01		
A0782	118.7	120	1.3	0.13	0.036		
A0783	120	122	2	0.05	(0.01		
A0784	150 (45.7)	151.5	1.5	0.06	(0.01		
A0785	151.5 (46.2)	153.5	2	0.92	0.068	1.84	
A0786	153.5 (46.8)	155.5	2	0.60	0.039	1.20	5.5' at 0.80% WO_3
A0788	155.5 (47.4)	157	1.5	0.89	0.05	1.78	
A0804	167 (50.9)	168	1	0.09	(0.01		
A0805	168 (51.2)	169	1	0.09	(0.01		
A0806	169 (51.5)	171	2	0.08	(0.01		
A0807	171	173	2	0.08	0.021		
A0808	173	175	2	0.09	0.019		
A0809	175	177	2	0.09	0.013		
A0810	176 (53.6)	178	2	0.34	0.024		2' at 0.34% WO_3
A0811	178 (54.2)	180	2	0.15	(0.01		
A0812	180 (54.9)	181	1	0.10	(0.01		

DDH 287

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

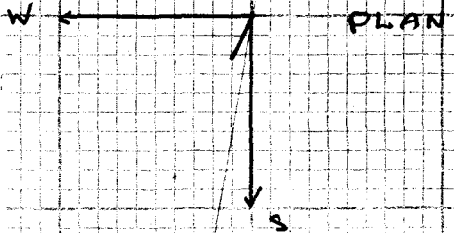
1	2	3	4	5	6	7	8	9
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction
110	110	2°	0.9994 0.0349	0.0349	109.934	109.936	3.839	S 17° W
210	100	2°	0.9994 0.0349	0.0349	99.94	209.876	3.490	S 36° W
300	90	2° 15'	0.9992 0.0393	0.0393	89.928	299.802	3.537	S 26° W

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

10	11	12	13		14		15		16	
			Co-ordinate Difference				Rectangular Difference			
Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
0·9563 0·2924	0·3057	3·839		3·6712		1·1225		3·6712		1·1225
0·8090 0·5878	0·7266	7·392		2·7991		2·0514		6·4703		3·1739
0·9135 0·4067	0·4452	10·866		3·2310		1·4384		9·7013		4·6123

DDH 287



1" = 50 ft

VERTICAL PROJ.

DIAMOND DRILL HOLE NO. 286

LOCATION:	Investigator 7, Line 13
CO-ORDINATES:	E - 99930 N - 100545
R.L.:	243 Feet
DATE COMMENCED:	11th November, 1969
DATE COMPLETED:	8th December, 1969.
FINAL DEPTH:	340 Feet
DATE SURVEYED:	8th December, 1969. (to 75' only, hole collapsed)
LOGGED BY:	P. Le Messurier.

RECORD WHITE, KING ISLAND.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	0	6	6	0		
	6	36	30	28.5		
	36	41	5	5		
	41	65	24	18		
	65	83	18	17.5		
	83	93	10	10		
A0901	93	95	2	2	0.05	0.043
A0902	95	96.5	1.5	1.5	0.15	0.093
	96.5	116.5	20	20		
A0903	116.5	119	2.5	2.5	0.06	<0.01
	119	129	10	9.5		
	129	169	40	38.5		
	169	192	23	23		

DRILL HOLE No. 286

	GEOLOGICAL DESCRIPTION	FRACT
	Weathered surface, rubble.	
BIOTITE/PYROXENE HORNFELS 6'-36'	BIOTITE/PYROXENE HORNFELS, fine grained dense black rock, showing minor banding in part.	
PYROXENE GARNET HORNFELS 36' - 41' 10.97	PYROXENE GARNET HORNFELS, well developed garnet blebs and bands in fine grained siliceous pyroxene rich groundmass.	
PYROXENE HORNFELS 41' - 65' 12.99	PYROXENE HORNFELS - very fine grained green-grey siliceous rock with pyroxene. Zone of fracturing and very poor recovery.	
MARBLE 19.81	MARBLE, medium grained crystalline, banded with bands of agrnet and minor biotite and pyroxene. Extremely minor scheelite with some garnet bands.	
PYROXENE GARNET HORNFELS 83' - 96.5' 25.3	PYROXENE GARNET HORNFELS - virtually a skarn type, strongly mixed and banded with some biotite bands and areas of unaltered marble.	
MARBLE 96.5' - 129'	MARBLE - medium grained, banded with numerous garnet bands and some biotite and pyroxene bands. One banded section contains fine disseminated scheelite.	
BANDED HORNFELS 129' - 169' 39.32	BANDED HORNFELS - pyroxene rich siliceous fine grained hornfels with abundant bande of garnet hornfels and biotite hornfels. Bands range up to 0.1" width, many are irregular and discontinuous - direction of banding very variable. Minor scheelite associated with wider garnet bands. Basal 2 feet extremely altered to clay and pug some evidence of brecciation.	
BIOTITE PYROXENE HORNFELS 169' - 192' 51.52	BIOTITE PYROXENE HORNFELS - a meta volcanic with numerous remnant feldspars and a texture not completely changed. Well developed biotite and pyroxene crystals, some banding developed. A very chloritic zone 177' - 181', with numerous fractures, many showing slickensides.	

GEOPEKO LIMITED, KING ISLAND.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	192	215	23	23		
	215	235.5	20.5	19		
A0919	235.5	236.5	1	1	1.63	0.066
	236.5	251	14.5	10		
	251	278	27	25		
	278	305	27	25		
	305	314	9	8		
	314	324	10	9		
	324	333	9	8.5		

DRILL HOLE No. 286

	GEOLOGICAL DESCRIPTION	FRACT
CHLORITE ACTINOLITE HORNFELS - 192' - 235.5'	GREENSCHIST HORNFELS ? a rock probably of meta volcanic origin consisting of abundant blebs of chlorite in a matrix of muscovite, biotite, chlorite and minor feldspar and amphibole. Rock has a dark green grey mottled appearance, is massive with no banding or orientation of blebs.	
	CHLORITE/ACTINOLITE HORNFELS - a rock very similar to the matrix above lacking the abundant chlorite blebs, muscovite chlorite and actinolite with minor biotite feldspar and quartz, generally a massive rock with no bandings same minor blebing in parts. A zone of intense alteration to chloritic clay with abundant slickenside surfaces 231' to 233'.	
SKARN 235.5'- 236.5'	SKARN - a pyroxene rich skarn with minor fine garnet and many calcite veins - coarse and fine flourescent scheelite.	
QUARTZITE 236.5' - 340'	QUARTZITE - very fine to cryptocrystalline, light grey massive, extremely brittle and very badly fractured.	237' - 248 90% 1" pieces
	QUARTZITE - fine grained light to mid-grey with some bands of mottling, slightly sandy texture developed in part, occasional pyrite veinlets and minor pyrite dissemination.	
	QUARTZITE - mid-grey mottled with darker fleck, a few bands of fine light grey quartzite, core strongly jointed.	
	QUARTZITE - fine light grey, slight sandy texture in part. Some jointing and brittle fracture.	
	QUARTZITE - mid-grey mottled and banded with irregular dark blebs, pyrite veinlets and disseminations.	
	QUARTZITE - fine light grey, brittle fracture.	

GEOPEKO LIMITED, KING ISLAND.

DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		
	333	340	7	6			

DRILL HOLE No. 286

	GEOLOGICAL DESCRIPTION	FRACTU
	QUARTZITE - mid-grey banded and mottled as above.	

NOTES ON BDH 286 P.G. OCTOBER, 1972.

ANGLE OF BEDDING TO LONG AXIS OF CORE

48°	at	50'
25°	at	80'
30°	at	90'
45°	at	121'
25°	at	135'
5°	at	150'

~vert.

Co-ords:
29 652. E
56377.5N

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 286

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0901	93	95	2	0.05	0.043		
A0902	95	96.5	1.5	0.15	0.093		
A0903	116.5	119	2.5	0.06	(0.01		
	71-8.						
A0919	235.5	236.5	1	1.63	0.066	1.63	1' at 1.63% WO_3

DDH 286

EASTMAN MULTISHOT DRILL HOLE SURVEY

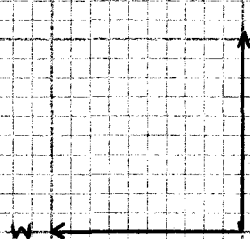
CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Cotangent Tangent	Deflection
50	50	1° 15'	0·9998 0·0218	0·0218	49·990	49·990	1·0900	N 60° W	0·5000 0·8660	0·5774	1·0900
75	25	1°	0·9998 0·0175	0·0175	24·995	74·985	0·4375	N 75° W	0·2588 0·9659	0·2679	1·5275

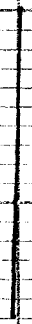
EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
0.5450			0.9039	0.5450			0.9039
0.1132			0.4126	0.6582			1.3665



PLAN



VERT. PROJ.

DDH 2886

1" = 50 ft

DIAMOND DRILL HOLE NO. 284

LOCATION:	Investigator 7
CO-ORDINATES:	700N - 100E
R.L.:	~ 91.69 m (ISG)
DATE COMMENCED:	15th October, 1969.
DATE COMPLETED:	23rd October, 1969.
FINAL DEPTH:	300 Feet
DATE SURVEYED:	23rd October, 1969.
LOGGED BY:	P. Le Messurier/W. J. Arendt

GEOPEKO LIMITED, KING ISLAND. DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	30	71	41	40		
	71	79	8	5		
	79	82.5	3.5	3.5		
0756	82.5	83.5	1	1	0.08	<0.01
	83.5	92	8.5	7.7		
0757	92	93	1	1	0.08	<0.01
0758	93	94	1	1	0.05	<0.01
0759	94	96	2	2	0.39	0.029
	96	104.6	8.6	8		
	104.6	114	9.6	9		
	114	123	9	9		
	123	131				
0761	131	132	1	1	0.05	0.01

DRILL LOG DRILL HOLE No. 284

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
ACTINOLITE HORNFELS 30' - 79' 9.144 24.1	ACTINOLITE HORNFELS, generally massive, light grey green, well developed feldspar laths, no micro lineation. = Older Volcs P.C.	
Possible Fault Zone	ACTINOLITE HORNFELS - very fractured clayey and altered.	
BIOTITE HORNFELS 79' - 92' 28.04	BIOTITE HORNFELS, generally massive at top with banding increasing down unit.	
	BANDED HORNFELS, very siliceous, two 2" bands of garnet/pyroxene skarn with yellow fluor. scheelite.	
	BIOTITE HORNFELS generally well banded, some minor pyroxene rich bands.	
GARNET PYROXENE SKARN 92' - 93'	GARNET PYROXENE SKARN junction with hornfels gradational but intrusive, in part - yellow fluor. scheelite.	
BIOTITE HORNFELS 93' - 104.6' 31.88	BIOTITE HORNFELS - well banded and very siliceous.	
	BIOTITE HORNFELS, very siliceous, bands of garnet pyroxene skarn containing yellow fluor. scheelite.	
	BIOTITE HORNFELS well banded pyroxene rich bands becoming more prominent.	
MARBLE 104.6' - 114' 34.75	MARBLE - greyish in colour with minor biotite highly altered from 112' to 114' with minor finely disseminated $CaWO_4$.	
QUARTZITE 114' - 300'	QUARTZITES, med-grained dark grey with black mottled texture, core fractured at 114'- 115', 117-118', 120-123' (Fractures fresh - blasting).	
	QUARTZITES, fine to medium grained greyish green throughout.	
	QUARTZITE with $CaWO_4$ mineralisation with mottling at 131' to 132' (Biotite rich zone)	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRI

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo
	132	141				
0762	141	143			0.06	0.011
	143	153				
	153	168	15	15		
	168	188	20	20		
	188	226	38	36		
0764	226	228	2	2	0.05	0.011
	228	252	24	24		
	252	266	14	14		
	266	300	34	28		

L LOG

DRILL HOLE No. 284

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	QUARTZITES, fine to medium grained greyish green throughout.	132 - 133.6' 134 - 141'
	QUARTZITES with blue fluor. $CaWO_4$ in fracture from 141' to 143'.	141 - 143'
	QUARTZITES, fine to medium grained greyish green throughout.	143 - 145' 147'- 152'
	QUARTZITE - dark grey to black - where black quartzite is biotite rich, massive.	
	QUARTZITE - greyish green with black mottling $CaWO_4$ associated with dark coarsely mottled zones at 182.6', 183' and 184'.	
	QUARTZITE - same as above, $CaWO_4$ at 214' - 215' associated with dark coarsely mottled zones of high biotite content.	
	MOTTLED BIOTITE quartzite with $CaWO_4$.	
	QUARTZITES, dark grey to black, massive Fe pyrite mineralisation along fractures (Joints) Joints at 65° - 75° to angle of core.	
	QUARTZITE, grey to greenish with massive with Fe pyrite in fractures and finely disseminated. Core extremely fractured (fresh - no alteration).	
	QUARTZITE, grey with black mottling in biotite rich zones. Massive. Fe pyrite in fractures 0 - 10° to angle of core. Rock core extremely fragmented (fresh - no alteration).	
	Bedding to long axis 40° at 90' 45° at 105'	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 284

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0756	82.5	83.5	1	0.08	(0.01		
A0757	92	93	1	0.08	(0.01		
A0758	93	94	1	0.05	(0.01		
A0759	94	96	2	0.39	0.029	0.78	2' at 0.39% WO_3
A0761	131	132	1	0.05	(0.01		
A0762	141	143	1	0.06	0.011		
A0764	226	228	2	0.05	0.011		

DIAMOND DRILL HOLE NO. 283

LOCATION:	Investigator 7, Line 13
CO-ORDINATES:	99950E, 100700N
R.L.:	
DATE COMMENCED:	31/10/1969
DATE COMPLETED:	12/11/1969
FINAL DEPTH:	300.5 Feet
DATE SURVEYED:	12/11/1969
LOGGED BY:	P. Le Messurier.

GEOPEKO LIMITED, KING ISLAND.

DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	0	83	83	0	
	83 (25.5)	94 (25.6)	11	10.7	
	94	121	27	26.5	
	121	125	4	4	
	125	145.5	20.5	20	
	145.5	148.5	3	3	
	148.5	149.5	1	1	
	149.5	153	3.5	3.5	
	153	160	7	7	
	160	186	26	20.5	
	186	193	7	7	
	193	203.5	10.5	10	
	203.5	206.5	3	3	

DRILLING DRILL HOLE No. 283

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	No core recovered	
BIOTITE/PYROXENE HORNFELS	BIOTITE/PYROXENE HORNFELS, generally well banded, a few garnet rich bands.	
	QUARTZITE, mid-grey, massive, granular, medium and fine grained. Sporadic mottling due to biotite and chlorite.	
	QUARTZITE, ? zone of alteration with abundant chlorite as veins and blebs and disseminated throughout rock. High carbonate content in part (H CL reaction).	
	QUARTZITE, light and mid grey, grainsize variable with some banding, irregular areas of darker mottling parallel with banding in part.	
	QUARTZITE, fine light grey slightly banded .	
	QUARTZITE, mid and dark grey very mottled irregular blebs of yellow fluor. mineral.	
	QUARTZITE, mid-grey, medium granular, mottled and in part banded.	
	QUARTZITE, fine light grey to off white fine disseminated pyrite throughout pyrite on joint faces.	
	QUARTZITE, mid-grey mottled and poorly banded with darker (biotite rich) sections. 161' - 165' no core recovered.	
	QUARTZITE, light grey fine massive disseminated pyrite as fine crystals and blebs.	
	QUARTZITE, mid-grey some lighter bands irregular darker mottlings.	
	QUARTZITE, light grey cryptocrystalline brittle, talcose veinlets and partings.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		
	206.5	219	12.5	11.5			
	219	229	10	5			
	229	233	4	3.7			
	233	238.7	5.7	5.2			
	238.7	258	19.3	20.1			
	258	262	4	4			
	262	300.5	38.5	37			

91.59.

DRILL HOLE No. 283

FROM	GEOLOGICAL DESCRIPTION	FRACTURING
	QUARTZITE, mid and dark grey mottled Extremely fractured	100% 1" pieces
	QUARTZITE, light grey cryptocrystalline	100% 1" pieces
	QUARTZITE, mid and dark grey granular - banded in part.	
	QUARTZITE, light grey cryptocrystalline, some minor mid grey banding, disseminated pyrite and pyrite veinlets, talcose partings and coatings on joints.	
	QUARTZITE, mid and dark grey mottled and in part banded with lighter bands, granular and coarser grained than above, minor jointing.	
	QUARTZITE, light grey cryptocrystalline, brittle, many talcose joints and veins - pyrite veinlets, some anealed breccia in top half of unit.	
	QUARTZITE, fine and fine medium grained, granular strongly mottled and banded with darker and lighter blebs variably throughout. A zone of fracturing with many slickensided and chloritic faces 280' to 288', Some pyrite on joints.	

DDH 283

EASTMAN MULTI SHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Cotangent Tangent	Deflection
90	90	1°30'	0·9997 0·0262	0·0262	89·973	89·973	2·358	N 12° W	0·9781 0·2079	0·2126	2·358
150	60	1°30'	"	"	59·982	149·955	1·572	N 30° W	0·8660 0·5000	0·5774	3·930
210	60	1°30'	"	"	59·982	209·937	1·572	N 42° W	0·7431 0·6691	0·9004	5·502
290	80	1°30'	"	"	79·976	289·913	2·096	N 65° W	0·4226 0·9063	0·4663	7·598

CALCULATION SHEET No. 2

13	14	15	16
Co-ordinate Difference		Rectangular Difference	

N	S	E	W	E	S	E	N
2·3064			0·4902	2·3064			0·4902
1·3614			0·7860	3·6678			1·2762
1·1682			1·0518	4·8360			2·3280
0·8858			1·8996	5·7218			4·2276

DDH 283

1" = 50'

N

W

PLAN

VERT PROJ

DIAMOND DRILL HOLE NO. 281

LOCATION:	Investigator 7
CO-ORDINATES:	744N-180W
R.L.:	~ 309' = 97.68 m RL
DATE COMMENCED:	16th October, 1969.
DATE COMPLETED:	24th October, 1969.
FINAL DEPTH:	290 Feet
DATE SURVEYED:	24th October, 1969.
LOGGED BY:	P. Le Messurier/W.J. Arendt

GEOPEKO LIMITED, KING ISLAND.

DIAMONI

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo		
	55	76	21	9				
	76	108.5	32.5	31				
0755	108.5	110	1.5	1.5	0.22	<0.01		
	110	111	1	1				
	111	112.5	1.5	1.5				
	112.5	122	9.5					
	123	125.9						
0760	125.9	126.9			0.18	0.01		
	126.9	136.1						
	136.1	139.7	3.6	2.6				
	139.7	152	12.3	12.3				
	152	152.8	.8	.8				
	152.8	154.8	2	2				

DRILL LOG

DRILL HOLE No. 281

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
ACTINOLITE HORNFELS 55' - 108.5' 16.76 33.07	ACTINOLITE HORNFELS - light grey and green mottled, very weathered limonite coated fractures and minor veins. Virtually clay to 63', some minor clay bands below 63'.	
	ACTINOLITE HORNFELS- light grey and green mottled, generally soft, becomes hard and silicified for basal 2 feet. Limonite coated joints, minor chloritic bands and veins.	
	QUARTZ/ACTINOLITIC vein or band, well developed needles of actinolite in voids. Bright blue fluor. mineral (scheelite).	
QUARTZITE 110' - 290'	QUARTZITE mid-grey mottled.	
	PORPHYROID - irregular feldspar phenocrysts in mottled silica/chlorite ? matrix, 3" quartzite vein in middle of unit.	
	QUARTZITE mottled mid-grey, some banding, scheelite bearing vein for 2" at 114'. Molybdenite on joint surface 118'.	
	QUARTZITE, grey, med grained	
	QUARTZITE, with black mottling and yellow fluor $CaWO_4$ at 125.9' - 126.9')	
	QUARTZITE, grey, med-grained and becoming extremely mottled from 126.9 to 136.1. Mottled black areas may be micaceous in nature.	
	PORPHYROID - irregular feldspar phenocrysts in fine grained black ground mass, contacts gradational.	
	QUARTZITE, grey med-grained and mottled black $CaWO_4$ at 149.9' (1" band).	
	PORPHYROID - same as above.	
	QUARTZITE, grey, fine grained.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo			
	154.8	156.6	1.8	1.8					
	156.6	158	1.6	1.6					
	158	160	2	2					
	160	160.6	.6	.6					
	160.6	161	.4	.4					
	161	162.6	1.6	1.6					
	162.6	198	35.6	35					
	198	205	13	13					
0763	205	206	1	1	0.05	0.01			
	206	211							
	211	242	31	30					
	242	260	18	15					

LOG DRILL HOLE No. 281

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	PORPHYROID - same as above, grad. contact.	
	QUARTZITE - grey, fine grained with fine black mottling.	
	QUARTZITE " "	
	PORPHYROID, black ground mass and irregular white feldspar phenocrysts.	
	QUARTZITE, grey to greenish with fine black mottling.	
	PORPHYROID, same as above.	
	QUARTZITES, grey to greenish with black mottling. Porphyroids (as above) at 166' - 166.6', 171' - 171.3', 175' - 178.6', 184.1' - 184.11. From 178.6' to 184.1' jumbled texture of coarse recry. quartzites with porphrodal rock. Phenocrysts grade out into quartzites.	
	QUARTZITES, grey to greenish with mottling (black) much coarser and pronounced than above. (spotted).	
	QUARTZITE with $CaWO_4$ in small bands from 205.2' - 207' at 50 - 60° to angle of core	
	QUARTZITES, grey to greenish with mottling (black) much coarser and pronounced than above. (Spotted)	
	QUARTZITES - dark grey to green with pronounced black mottling from probably biotite rich zones. Greyish green bands from 214.6 to 215.6', 223 to 228'. Fe pyrite in fractures at 50° - 60° to angle of core. Quartzite is massive but core is highly fractured (not altered).	
	QUARTZITE, same description as above. At 248' mottling is banded at 40 - 50° to angle of core. Aplite at 249' (1" band) Fractures at 40 - 50° to angle of core.	

GEOPEKO LIMITED, KING ISLAND.

DIAMON

	SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS			
		260	290	30	24				

D DRILL LOG

DRILL HOLE No. 281

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	QUARTZITE - light to dark grey, massive. $CaWO_4$ at 272.6 to 273'. Fractures at 50 - 60° to angle of core.	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 281

Logged By: W. Arendt

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0755	108.5	110	1.5	0.22	(0.01		
A0760	125.9	126.9	1	0.18	(0.01		
A0763	205	206	1	0.05	0.01		

DIAMOND DRILL HOLE NO. 280

LOCATION:	Investigator 7
CO-ORDINATES:	735N-305W
R.L.:	
DATE COMMENCED:	1st October, 1969.
DATE COMPLETED:	13th October, 1969.
FINAL DEPTH:	277 Feet
DATE SURVEYED:	13th October, 1969.
LOGGED BY:	P. Le Messurier

GEOPEKO LIMITED, KING ISLAND.

DIAMOND

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	0	50	50	1.0	
	50	87	37	10.5	
	87	110	23	22.0	
	110	114	4	4.0	
	114	120	6	5.8	
	120	138	18	17.0	
	138	148.5	10.5	10.0	
	148.5	152.2	3.7	3.7	
	152.2	156	3.8	3.6	
	156	159	3.0	3.0	
	159	187	28	26.0	
	187	194	7	6.4	
	194	218	24		

DRILL LOG DRILL HOLE No. 280

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	Limonitic clay and extremely weathered rock fragments.	
MUSCOVITE ACTINOLITE HORNFELS 50' - 87'	MUSCOVITE ACTINOLITE HORNFELS, mica rich zones and blebs show general elongation and parallelism at 30° to line of core. Very weathered and altered chlorite/kaolin from 80' to 87'.	
QUARTZITE 87'-277'	QUARTZITE generally mid-grey mottled and in part banded, some clighter cryptocrystalline zones - particularly from 93' to 96'. Core strongly jointed and much brittle fracture.	
	QUARTZITE very light grey - massive crypto-crystalline.	
	QUARTZITE mid-grey bedded indurate shale appearance in part, very mottled and mobile sections.	
	QUARTZITE light cryptocrystalline, one mottled zone at 124' with pyrite blebs and well developed marble structures. Very fragmented. 80% 1" angular facies from 128'.	
	QUARTZITE banded and mottled grading to spotted shale in part mid-grey.	
	QUARTZITE fine light minor banding.	
	QUARTZITE mottled mid-grey.	
	QUARTZITE light crypto-crystalline.	
	QUARTZITE mottled mid-grey, banded in part grading to spotted shale in part. Pyrite coatings on many joints and some pyritic blebs and fine disseminations.	
	QUARTZITE light grey-medium to fine grain size. Very minor remnant banding.	
	QUARTZITE mid and dark grey mottled darker areas rich in chlorite clay and mica, minor areas of pyritic dessimination.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND D

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS
	218	224	6		
	224	253	29		
	253	258	5		
	258	277	19		

ILL LOG

DRILL HOLE No. 280

UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	QUARTZITE fine light grey, banded in part.	
	QUARTZITE mid and dark grey mottled and banded in part, some lighter coarse grained patches with sandy texture. Traces of bedding well developed in some sections. Very fractured 75% L 1" piences.	
	QUARTZITE fine light grey cryptocrystalline traces of bedding prominent in upper half of unit.	
	QUARTZITE mid and dark grey mottled with occasional finer lighter bands. Very mobile banded zone at top of unit. Much brittle fracturing 80% L 2" pieces.	

EASTMAN MULTISHOT DRILL HOLE SURVEY

DDH 280 Wedge Block

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction
10	10	1°	.9998 .0175	.0175	9.995	9.996	0.175	N16E
20	10	1°	.9998 .0175	.0175	9.998	19.996	0.175	N16E
40	20	1°	.9998 .0175	.0175	19.996	39.992	0.350	N14E
60	20	1°	.9998 .0175	.0175	19.996	59.988	0.350	N15E
80	20	1°15'	.9993 .0218	.0218	19.996	79.984	0.436	N14E
100	20	1°15'	.9998 .0218	.0218	19.996	99.980	0.436	N14E
120	20	1°15'	.9998 .0218	.0218	19.996	119.976	0.436	N13E
140	20	1°30'	.9991 .0262	.0262	19.994	139.970	0.524	N10E
160	20	1°15'	.9998 .0218	.0218	19.996	159.966	0.436	N3E
180	20	1°15'	.9998 .0218	.0218	19.996	179.962	0.436	N3W
200	20	1°15'	.9998 .0218	.0218	19.996	199.958	0.436	N3E
220	20	1°15'	.9998 .0218	.0218	19.996	219.954	0.436	N7E
240	20	1°30'	.9991 .0262	.0262	19.994	239.948	0.524	N1W
260	20	1°15'	.9998 .0218	.0218	19.996	259.944	0.436	N4E
277	17	1°30'	.9991 .0262	.0262	16.995	276.939	0.445	N2E

EASTMAN MULTI-SHOT DRILL HOLE SURVEY

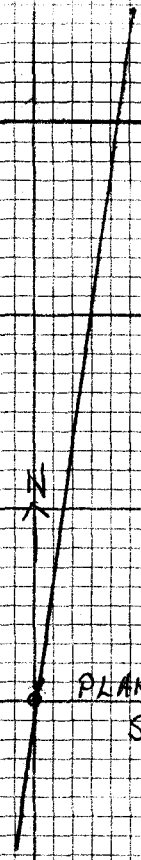
CALCULATION SHEET NO. 2

10	11	12	13		14		15		16	
Cosine Sine	Contangent Tangent	Deflection	Co-ordinate Difference				Rectangular Difference			
			N	S	E	W	N	S	E	W
.9613 .2756	.2867	0.175	0.168		.048		0.168		.048	
.9613 .2756	.2867	0.350	0.168		.048		0.336		.096	
.9703 .2419	.2493	0.700	0.337		.085		0.675		0.181	
.9659 .2588	.2679	1.050	0.338		.090		1.013		0.271	
.9703 .2419	.2493	1.486	0.423		.105		1.436		0.376	
.9703 .2419	.2493	1.922	0.423		.105		1.859		0.481	
.9744 .2250	.2309	2.358	0.424		.098		2.283		0.579	
.9848 .1736	.1763	2.882	0.516		.090		2.798		0.669	
.9986 .0523	.0524	3.318	0.435		.022		3.234		0.691	
.9986 .0523	.0524	3.754	0.435			.022	2.799		0.669	
.9986 .0523	.0524	4.190	0.435		.022		3.234		0.691	
.9925 .1219	.1228	4.626	0.432		.053		3.666		0.744	
.9998 .0175	.0175	5.150	0.523			.009	3.143		0.735	
.9976 .0698	.0699	5.586	0.434		.030		3.577		0.765	
.9994 .0349	.0349	6.110	0.523		.018		4.100		0.783	

DDH 280

Wedge Block.

TRUE VERTICAL PROJECTION
SCALE 1"=50'



PLAN VIEW
SCALE 1"=50'

DIAMOND DRILL HOLE NO. 278

	No. 1 Orebody - Line 10
	100111E: 100400N
	+ 159.00 Feet + 10.81 = 169.81
	30th August, 1969
	27th September, 1969.
	486 Feet
	4th July, 1969
	N. R. Kinnane.

I.S.G. Coords : 219,700·1 E
564,325·6 N
R.L. = 51·8 m

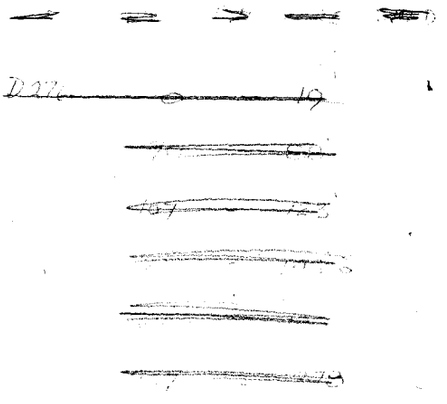
				WO_3	Mo
0	108	108	100		
125	126	1	0.5		
437	440	3	2		
444	450	8	0.01		
450	460	10	6		
460	470	10	2		
470	486	16	9		

No Core, Sand, ligneous sand and gravel.

CANICS 3 - 350.75	VOLCANICS, variable fine to medium grained somewhat porphyritic rocks. The rock is highly jointed and fractured. From 180' to 190' the rock is brecciated and broken, chlorite and clay filled. Decomposed aplite 214 - 215, 239.5. Some shaley bands from 285 to 295, aplite 313-313.75.	Joints at 60° & 90° Joints at 50°, 15-20°, 85-90°
TITE HORNFELS 0.75 to 404	BIOTITE HORNFELS, fine grained grey rock with some jointing. Some pyroxene bands cutting the core at 50 - 60°. 3" Breccia at 403' Aplite-granite dykes from 350.75 to 356, 359 to 365, 380 to 382.5, 303 to 386. 383?	Joints at 50°
NITE, 424-486	GRANITE, medium to coarse grained biotite granite.	Joints 60° & 20o

DIAMOND DRILL HOLE NO. 276

LOCATION:	No. 1 Orebody
CO-ORDINATES:	272.25E, 437.08S 99562-9
BEARING:	59.22 Feet 70.03 21-35
DATE COMMENCED:	31st July, 1969.
DATE COMPLETED:	4th September, 1969.
FINAL DEPTH:	570 Feet
DATE SURVEYED:	30th July, 1969
LOGGED BY:	N. R. Kinnane



I.S.G. Co-ords: 219,711·8 E
564,066·0 N
R.L. = 21·3m.

LCANICS 0-85 — VOLCANICS, fine to medium grained green pyroxene rich rock. From 20' to 32' there is interbedded hornfels and volcanics. From 32' to 34', a fine grained aplite. Below 34' patches of biotite occur. From 38.5' to 41' Aplite. Fine to medium grained spotted rock with pyroxene and biotite rich patches below 41'.

ECCIA 85-105 — BRECCIA, fragments of biotite, pyroxene and calcite rock with much chlorite and clay. Minor scheelite also occurs.

LCANICS
5 - 113 — VOLCANICS, medium grained green rock.

LCITE/PYROXENE
RNFELS
3 - 121 — CALCITE/PYROXENE HORNFELS, medium grained grey rock with patches and bands of pyroxene. Minor scheelite occurs.

OTITE/PYROXENE
RNFELS
1 - 128.5 — BIOTITE/PYROXENE HORNFELS, a brecciated and broken rock with some lost core.

LCITE HORNFELS
28.5 - 154 — CALCITE HORNFELS, fine to medium grained grey rock with minor scheelite.

OTITE/PYROXENE
RNFELS, 154-
190.9 — BIOTITE/PYROXENE HORNFELS, banded rock, biotite bands spotted in part, from 154 - 166 12" of biotite rock. From 173.5 to 180.75, Granite.

OTITE HORNFELS
0.9 to 316 — BIOTITE HORNFELS, spotted in part but in general fine grained rock. Some pyroxene and calcite. Aplite from 233 to 233.25, 239 to 240, 241.5 to 342. From 364 to 366., biotite/pyroxene rock. Spotted from 360 to 270. Rock brecciated from 306 to 316.

					WO_3	Mo
	0	16	16	14		
	16	17	1	0.5		
	24	25.5	1.5	1		
	26	29	3	2.5		
	41	44	3	1		
	76	78	2	1		
	80	82	2	1.5		
A0171	85	87	2	1	0.07	0.013
A0172	87	89	2	1.75	0.83	0.015
A0173	89	91	2	2	0.13	(0.01
A0174	91	93	2	2	0.34	0.021
A0175	92	95	2	2	0.22	(0.01
A0176	95	97	2	2	0.12	(0.01
A0177	97	99	2	2	0.10	(0.01
A0178	99	101	2	2	0.57	0.018
A0179	101	103	2	1.5	0.89	0.010
A0180	103	105	2	1.5	0.21	0.015
A0360	105	107	1	0.5	0.08	0.019
A0197	115	117	2	2	0.07	(0.01
A0198	117	119	2	2	0.94	0.030
A0199	119	121	2	2	0.43	(0.01
A0358	121	123	2	2	0.09	0.029
A0359	123	125	2	2	0.08	0.068
	120	123	3	2		
255 A0265	144	146	2	2	0.05	(0.01
A0256	146	148	2	2	0.07	(0.01
A0257	148	150	2	2	0.14	(0.01
A0258	150	152	2	2	0.06	(0.01
	205	208	3	1		

PYROXENE/GARNET HORNFELS
316 - 354

PYROXENE/GARNET HORNFELS, fine to medium grained green rock varying to green brown where garnet is abundant. Coarse grained ovoids of calcite, grossularite and quartz. Minor scheelite occurs as coarse graines in the ovoids.

GARNET/PYROXENE HORNFELS 354-425

GARNET/PYROXENE HORNFELS, medium to coarse grained green brown rock with patches of calcite and actinolite. Minor disseminated scheelite. Joints calcite filled. Joints at 70°
Lower 20' of this zone rather like Pgh, becomes Pgh at 400'.

					WO_3	Mo
A0259	315	317	2	2	0.09	0.022
A0260	317	319	2	2	0.08	(0.01
A0261	319	321	2	2	0.06	(0.01
A0262	321	323	2	2	0.11	(0.01
A0263	323	325	2	2	0.07	(0.01
A0264	325	327	2	2	0.06	0.086
A0265	327	329	2	2	0.07	(0.01
A0266	329	331	2	2	0.08	(0.01
A0267	331	333	2	2	0.10	(0.01
A0268	333	335	2	2	0.10	(0.01
A0269	335	337	2	2	0.14	(0.01
A0278	337	339	2	2	0.09	(0.01
A0270	339	341	2	2	0.12	(0.01
A0271	341	343	2	2	0.07	(0.01
A0273	345	347	2	2	0.07	(0.01
A0274	347	349	2	2	0.07	(0.01
A0275	349	350	1	1	0.07	(0.01
A0276	350	351	1	1	0.08	(0.01
A0277	351	353	2	2	0.30	(0.01
A0279	353	355	2	2	0.10	(0.01
A0280	355	357	2	2	0.07	(0.01
A0281	357	359	2	2	0.08	(0.01
A0282	359	361	2	2	0.08	(0.01
A0283	361	363	2	2	0.07	(0.01
A0284	363	365	2	2	0.08	(0.01
A0285	365	367	2	2	0.07	(0.01
A0286	367	369	2	2	0.14	(0.01
A0287	369	371	2	2	0.08	(0.01
A0288	371	373	2	2	0.07	0.010
A0289	373	375	2	2	0.07	(0.01
A0290	375	377	2	2	0.07	0.014
A0291	377	379	2	2	0.07	(0.01
A0292	379	381	2	2	0.07	(0.01
A0293	381	383	2	2	0.08	(0.01
A0294	383	385	2	2	0.08	(0.01
A0295	385	381	2	2	0.08	(0.01
A0296	387	389	2	2	0.08	(0.01
A0297	389	391	2	2	0.08	(0.01
A0298	391	393	2	2	0.08	(0.01
A0299	393	395	2	2	0.06	(0.01
A0300	395	397	2	2	0.08	(0.01
A0301	397	399	2	2	0.09	(0.01
A0302	399	401	2	2	0.08	(0.01
A0303	401	403	2	2	0.17	(0.01
A0304	403	405	2	2	0.11	(0.01
A0305	405	407	2	2	0.16	(0.01

					WO_3	Mo
A0306	407	409	2	2	0.18	(0.01
A0307	409	411	2	2	0.32	(0.01
A0351	411	413	2	2	0.15	
A0352	413	415	2	2	0.12	(0.01
A0353	415	417	2	2	0.11	(0.01
A0354	417	419	2	2	0.10	(0.01
A0355	419	421	2	2	0.12	(0.01
A0356	421	423	2	2	0.11	(0.01
A0357	423	425	2	2	0.18	(0.01

434	438	4	3	NOT SAMPLED
447	450	3	2	
450	463	13	7	

BIOTITE HORNFELS
425 - 434

BIOTITE HORNFELS, fine grained black rock fractured and broken at 430', but no core loss.

BRECCIA, 434-467

BRECCIA, broken rock, numerous rock fragments. Garnet-pyroxene, garnet, calcite, biotite and pyroxene rock. Veined by calcite and quartz.

GRANITE, 467-570

GRANITE, medium coarse grained pink grey granite with minor blue fluorescing scheelite. Many calcite and humite group minerals filling joints. Andesitic rock from 546 to 548. Joints at 90°, 10° and 15°

Scheelite in granite not true

438·8 to 439·0 strongly sheared bk with 'veins' of powdery scheelite with wk flouresceence May grade 1·5% WO_3

437·8 to 438·0 ditto about 1% grade.

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 276

Logged By: N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A0171	85	87	2	0.07	0.013		
A0172	87	89	2	0.83	0.015	1.66	1.8 m 6' at 0.43% WO_3
A1073	89	91	2	0.13	(0.01	0.26	
A0174	91	93	2	0.34	0.021	0.68	
A0175	93	95	2	0.22	(0.01		
A0176	95	97	2	0.12	(0.01		
A0177	97	99	2	0.10	(0.01		
A0178	99	101	2	0.57	0.018	1.14	1.2m 4' at 0.73% WO_3
A0179	101	103	2	0.89	0.010	1.78	
A0180	103	105	2	0.21	0.015		
A0360	105	107	2	0.08	0.019		
A0197	115	117	2	0.07	(0.01		
A0198	117	119	2	0.94	0.030	1.88	1.2m 4' at 0.69% WO_3
A0199	119	121	2	0.43	(0.01	0.86	
A0358	121	123	2	0.09	0.029		
A0359	123	125	2	0.08	0.068		
A0255	144	146	2	0.05	(0.01		
A0256	146	148	2	0.07	(0.01		
A0257	148	150	2	0.14	(0.01		
A0258	150	152	2	0.06	(0.01		
A0259	315	317	2	0.09	0.022		
A0260	317	319	2	0.08	(0.01		
A0261	319	321	2	0.06	(0.01		
A0262	321	323	2	0.11	(0.01		
A0263	323	325	2	0.07	(0.01		
A0264	325	327	2	0.06	0.086		
A0265	327	329	2	0.07	(0.01		
A0266	329	331	2	0.08	(0.01		
A0267	331	333	2	0.10	(0.01		
A0268	333	335	2	0.10	(0.01		
A0269	335	337	2	0.14	(0.01		
A0278	337	339	2	0.09	(0.01		
A0270	339	341	2	0.12	(0.01		
A0271	341	343	2	0.07	(0.01		
A0272	343	345	2	0.08	(0.01		
A0273	345	347	2	0.07	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 276

Logged By: N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A0274	347	349	2	0.07	(0.01		
A0275	349	350	1	0.07	(0.01		
A0276	350	351	1	0.08	(0.01		
A0277	351	353	2	0.30	(0.01	0.60	2' at 0.30% WO_3
A0279	353	355	2	0.10	(0.01		
A0280	355	357	2	0.07	(0.01		
A0281	357	359	2	0.08	(0.01		
A0282	359	361	2	0.08	(0.01		
A0283	361	363	2	0.07	(0.01		
A0284	363	365	2	0.08	(0.01		
A0285	365	367	2	0.07	(0.01		
A0286	367	369	2	0.14	(0.01		
A0287	369	371	2	0.08	(0.01		
A0288	371	373	2	0.07	0.010		
A0289	373	375	2	0.07	(0.01		
A0290	375	377	2	0.07	0.014		
A0291	377	379	2	0.07	(0.01		
A0292	379	381	2	0.07	(0.01		
A0293	381	383	2	0.08	(0.01		
A0294	383	385	2	0.08	(0.01		
A0295	385	387	2	0.08	(0.01		
A0296	387	389	2	0.08	(0.01		
A0297	389	391	2	0.08	(0.01		
A0298	391	393	2	0.08	(0.01		
A0299	393	395	2	0.06	(0.01		
A0300	395	397	2	0.08	(0.01		
A0301	397	399	2	0.09	(0.01		
A0302	399	401	2	0.08	(0.01		
A0303	401	403	2	0.17	(0.01		
A0304	403	405	2	0.11	(0.01		
A0305	405	407	2	0.16	(0.01		
A0506	407	409	2	0.18	(0.01		
A0307	409	411	2	0.32	(0.01	0.64	2' at 0.32% WO_3
A0351	411	413	2	0.15	(0.01		
A0352	413	415	2	0.12	(0.01		
A0353	415	417	2	0.11	(0.01		
A0354	417	419	2	0.10	(0.01		
A0355	419	421	2	0.12	(0.01		
A0356	421	423	2	0.11	(0.01		
A0357	423	425	2	0.18	(0.01		

DIAMOND DRILL HOLE No. 275

LOCATION:	No. 1 Orebody - Line 12
CO-ORDINATES:	99826.4 99404.1 173.63W, 595.87S
R.L.:	+171.47 Feet
DATE COMMENCED:	7th July, 1969.
DATE COMPLETED:	18th August, 1969.
FINAL DEPTH:	510 Feet
DATE SURVEYED:	- SURVEYED BY MULTISHOT.
LOGGED BY:	N. R. Kinnane.

I.S.G Co-ords: 219,570.3 E
564,037.8 N
R.L. = 55.6m

	TO	LENGTH SAMPLED	CORR. TO	WO_3	Mo
0	115	115	0		
119	120	1	0.5		
137	141	4	3		
141	143	2	0.5		
242	248	6	5		
312	320	8	5		
341	343	2	2	0.02	(0.01
343	345	2	2	0.04	(0.01
345	347	2	2	0.02	(0.01
347	349	2	2	0.02	0.015
349	351	2	2	0.17	(0.01
351	353	2	2	0.03	(0.01
353	355	2	2	0.03	(0.01
355	357	2	2	0.07	(0.01
357	359	2	2	0.01	(0.01
359	361	2	2	0.03	(0.01
361	363	2	2	0.27	(0.01

SAND 0 - 115 35.05	SAND, sandy top soil and ligneous sand with some boulder and pebble beds.
VOLCANICS 115 - 180 54.86	VOLCANICS, fine to medium grained green porphyritic rock, broken in part. Minor scheelite occurs as coatings on joints at 741'. Quartz veins occur at 137.5' and 165' to 166.5'. Granite and aplite dykes occur at 173.5 and 178'.
VOLCS/HORNFELS 180 - 237 72.24	INTERBEDDED VOLCANICS/HORNFELS, fine grained grey-black biotite hornfels and medium grained green volcanics. Granite dykes occur from 198' to 198.5', 203.5' to 206'.
APLITE, 237-259.5 79.10	APLITE, fine grained cream rock with a minor band of pyroxene rock from 236 to 237.
PYROXENE HORNFELS 259.5-262 79.86	PYROXENE HORNFELS, medium grained variable rock with patches of granitic material.
APLITE 262- 269' 81.99	APLITE, fine grained cream rock.
VOLCANICS 269 - 301 91.74	VOLCANICS, fine grained pyroxene rock with patches of quartz and granitic material at 281' and 287'.
BIOTITE HORNFELS 301 - 314 95.71	BIOTITE HORNFELS, fine grained grey to black rock with some bands of pyroxene. Broken in part and veined by calcite. Granite dyke of medium grained cream rock from 305.4' to 311', medium grained granite dyke.
CALCITE HORNFELS 341 - 359 109.42	CALCITE HORNFELS, medium grained grey rock with veins of calcite and irregular patches of pyroxene. Scheelite occurs in patches and distinct bands.

				WO_3	Mo
363	365	2	2	0.32	(0.01
365	367	2	2	1.90	0.047
367	369	2	2	0.22	0.027
369	371	2	2	0.07	0.018
371	373	2	2	0.08	0.016
373	376	2	1	0.07	0.014
376	378	2	1	0.07	0.014
378	380	2	2	0.07	0.019
380	382	2	2	0.09	0.016
382	384	2	2	0.68	0.024
384	386	2	2	0.07	(0.01
386	388	2	2	0.06	(0.01
388	390	2	2	0.23	(0.01
390	392	2	2	0.16	(0.01
392	394	2	2	0.22	(0.01
394	396	2	2	0.12	(0.01
396	398	2	2	0.09	0.014
398	400	2	2	0.12	(0.01
421	435	14	11		
435	438	3	2		
459	469	10	9		

YROXENE HORNFELS 59 - 365 111.26	PYROXENE HORNFELS, a brecciated and broken rock with good fine disseminated scheelite.
OTITE HORNFELS 5 - 373 113.69	BIOTITE HORNFELS, fine grained grey black rock.
LCANICS 3 - 384 117.04	VOLCANICS/PYROXENE HORNFELS, a fragmental rock with some good disseminated scheelite. From 382 to 383 there is some calcite.
LCITE HORNFELS 4 - 400.5 122.07	CALCITE HORNFELS, medium grained rock with patches and bands of pyroxene. Minor scheelite in veins and fractures.
ANITE 400.5 - 510 155.45	GRANITE, medium to coarse grained pink-cream granite. Some core loss due to jointing.

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 275

Logged By: N. R. Kinnane

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
	341	343	2	0.02	(0.01		
	343	345	2	0.04	(0.01		
	345	347	2	0.02	(0.01		
	347	349	2	0.02	0.015		
	349	351	2	0.17	(0.01		
	351	353	2	0.03	(0.01		
	353	355	2	0.03	(0.01		
	355	357	2	0.07	(0.01		
	357	359	2	0.01	(0.01		
	359	361	2	0.03	(0.01		
	361	363	2	0.27	(0.01	0.54	6' at
	363	365	2	0.32	(0.01	0.64	0.83% WO_3
	365	367	2	1.90	0.047	3.80	1.2m at 1.11%
	367	3 69	2	0.22	0.027		
	369	371	2	0.07	0.018		
	371	373	2	0.08	0.016		
	373	376	3	0.07	0.014		
	376	378	2	0.07	0.014		
	378	380	2	0.07	0.019		
	380	382	2	0.09	0.016		
	382	384	2	0.68	0.024	1.36	2' at 0.68% WO_3
	384	386	2	0.07	(0.01		0.6mat 0.68%
	386	388	2	0.06	(0.01		
	388	390	2	0.23	(0.01		
	390	392	2	0.16	(0.01		
	392	394	2	0.22	(0.01		
	394	396	2	0.12	(0.01		
	396	398	2	0.09	0.014		
	398	400	2	0.12	(0.01		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET Hole No. 275

cation No. 1 Orebody - Line 12 Elevation + 171.47

nal Depth 510 Feet Co-Ords. 99826.4 173.6W, 99404.1 595.87S

p Vertical Bearing -

te Commenced 7/7/69 Date Completed 18/8/69

I.S.G. Coords: 219,570.3E / 564,037.8N ; R.L. = 1915.46m

Footage		Length		Description	Assay	
om	To	Run	Rec.		WO_3	Mo
0	115'	115'		Sand		
15'	180'	65'	62'	Volcanics:- fine to medium grained green rock somewhat porphyritic and broken in part. 119' - 120' 6" Lost Core 137' - 141' 1' Lost Core 141' - 143' 1.5' Lost Core Minor scheelite occurs coating the joints at 141'. Quartz veins occur at 137'6", 165' and 166.5'. Granite dykes occur at 173.5' and 178'.		
80'	237'	57'		Interbedded Volcanics/Hornfels: fine grained grey-black rock biotite rich interbedded with medium grained volcanics. 198' to 198.5' Granite. 203.5' to 206' Granite.		
37'	259.5'	22.5'	21.5'	Aplite: fine grained cream rock. 236' to 237' broken pyroxene rich rock. 242' to 248' 1' Lost Core.		
59.5'	262'	2.5'		Pyroxene Hornfels:- medium grained variable rock with patches of gramitic material - some aplite.		
62'	269'	7'		Aplite:- fine grained cream rock, with patches of quartz and granitic material at 281' to 287'.		
01'	306.5'	5.5'		Biotite Hornfels:- fine grained grey rock with some volcanics bands.		
06.5'	311'	4.5'		Granite:- medium grained cream rock.		
11'	341'	30'	27'	Biotite Hornfels:- fine grained grey black rock with some pyroxene bands. Broken in part and veined by calcite. 312' to 320' 3' Lost Core		
41'	359'	18'		Calcite Hornfels:- medium grained grey rock with patches and veins of coarse calcite. Some irregular patches of pyroxene. Scheelite occurs as fine disseminated grains in patches and bands. SAMPLED		
				341' - 343' 2'	0.02	
				343' - 345' 2'	0.04	
				345' - 347' 2'	0.02	
				347' - 349' 2'	0.02	
				349' - 351' 2'	0.17	
				351' - 353' 2'	0.03	
				353' - 355' 2'	0.03	
				355' - 357' 2'	0107	
				357' - 359' 2'	0.01	
59'	365'	6'		Pyroxene Hornfels:- brecciated and broken rock - good fine disseminated scheelite. SAMPLED		
				359' - 361' 2'	0.03	
				361' - 363' 2'	0.27	

From	To	Length	Rec.	Description	Assay Au	Assay Ag
			110.6	363' - 365' 2'	0.32	
365'	373'	8'		Biotite Hornfels:- fine grained grey black rock. SAMPLED		
			111.2	365' - 367' 2'	1.90	
			111.9	367' - 369' 2'	0.22	
373'	384'	11'	8'	Volcanics/Pyroxene Hornfels: fragmented rock with some good disseminated scheelite. 382' to 383' Calcite SAMPLED		
				369' - 371' 2'	0.07	
				371' - 373' 2'	0.08	
				373' - 376' 3'	0.07	
				376' - 378' 2'	0.07	
				378' - 380' 2'	0.07	
				380' - 382' 2'	0.09	
			116.4	382' - 384' 2'	0.68	
				373' to 382' 3' Lost Core		
384'	400.5'	16.5'		Calcite Hornfels:- medium grained grey rock with patches and bands of pyroxene. Minor scheelite in veins and fractures. SAMPLED		
				384' - 386' 2'	0.07	
				386' - 388' 2'	0.06	
			118.3	388' - 390' 2'	0.23	
				390' - 392' 2'	0.16	
			119.5	392' - 394' 2'	0.22	
			120.1	394' - 396' 2'	0.12	
				396' - 398' 2'	0.09	
				398' - 400' 2'	0.12	
400.5'	510'	109.5'	104.5'	Granite:- medium to coarse grained pink-cream granite.		
				421' - 435' 3' Lost Core		
				435' - 438' 1' Lost Core		
				459' - 469' 1' Lost Core		
				HOLE COMPLETED AT 510 FEET		

Down

Up

DDH 275

30				
50	1°15	S 20 E.		
70	1°15	S 15 E		
90	1°30	S 40 W	1° 30	N 52 W.
110	2°	N 48 E	1°45	S 78 W
130	2°	S 33 E	2°	S 30 E
150	2°	S 28 E	2°	S 28 E
170	2°	S 28 E	2°	S 25 E
190	2°	S 22 E	2°	S 25 E
210	2°	S 10 E	2°	S 5 E
230	2°	S 11 E	2° 15	S 10 E
250	2°	S 15 E	2° 15	S 15 E
270	2° 15	S 10 E	2° 15	S 12 E
290	2° 15	S 8 E	2° 15	S 6 E
310	2° 15	S 10 E	2° 15	S 10 E
330	2° 30	S 7 E	2° 15	S 1 E
350	2° 30	S 6 E	2° 30	S 5 E
370	2° 30	S 5 E	2° 30	S 2 W
390	2° 45	S 5 W	2° 45	S 5 W
410	2° 45	S 5 W	3°	S 8° W
430	2° 45	S 5 W.	3°	S 5 W.
450	3°	S 2 W		
470	3°	S 5 E	3°	S 6 E
480	3°15	S 10 E		
490.	3° 15	S 8 E.	3° 15	S 8 E

30
6
180

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2 DDH 275

	13	14		15	16	
	Co-ordinate Difference			Rectangular Difference		
	N	S	E	W	N	S	E	W
0		5						
30								
50								
90								
110								
130		0.585	0.380			0.585	0.38	
		0.616	0.327			1.201	0.707	
		0.616	0.327			1.817	1.034	
		0.647	0.261			2.464	1.295	
		0.687	0.121			3.151	1.416	
		0.685	0.133			3.836	1.549	
		0.674	0.181			4.51	1.730	
		0.774	0.136			5.284	1.866	
		0.765	0.177			6.049	2.043	
		0.774	0.136			6.823	2.179	
		0.965	0.106			7.788	2.285	
		0.867	0.091			8.655	2.376	
		0.869	0.076			9.524	2.452	
		0.956		0.084		10.48	2.368	
		0.956		0.084		11.436	2.284	
		0.956		0.084		12.392	2.20	
		1.045		0.036		13.437	2.164	
		1.042	0.091			14.479	2.255	
		0.558	0.098			15.037	2.353	
		0.562	0.079			15.599	2.432	

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

DDH 275

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Veitical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Cotangent Tangent	Deflectic
0						0		-			-
30	30	1° 15'	0·9998 0·0218	0·0218	29·994	29·994	0·654	-			0·654
50	20	1° 15'			19·996	49·99	0·436	-			1.09
70	20	1° 30'	0·9997 0·0262	0·0262	19·994	69·984	0·524	-			1·614
90	20	2°	0·9994 0·0349	0·0349	19·988	89·972	0·698	-			2·312
110	20	2°			19·988	109·96	0·698	-			3·01
130	20	2°			19·988	129·948	0·698	S 33 E	0·5387 0·5446	0·6494	3·708
150	20	2°			19·988	149·936	0·698	S 28 E	0·5829 0·4695	0·5317	4·406
170	20	2°			19·988	169·924	0·698	S 28 E			5·104
190	20	2°			19·988	189·912	0·698	S 22 E	0·9272 0·3746	0·4040	5·802
210	20	2°			19·988	209·90	0·698	S 10E	0·9848 0·1736	0·1763	6·50
230	20	2°			19·988	229·888	0·698	S 1E	0·9816 0·1908	0·1944	7·198
250	20	2°			19·988	249·876	0·698	S 15 E	0·9659 0·2588	0·2679	7·896
270	20	2° 15'	0·9992 0·0393	0·0393	19·984	269·86	0·786	S 10 E			8·682
290	20	2° 15'			19·984	289·844	0·786	S 1E	0·9744 0·2250	0·2309	9·468
310	20	2 15			19·984	309·828	0·786	S 10			10·254
330	20	2 30	0·9990 0·0436	0·0437	19·980	329·808	0·872	S 7 E	0·9925 0·1219	0·1228	11·126
350	20	2° 30			19·980	349·788	0·872	S 6 E	0·9945 0·1045	0·1051	11·998
370	20	2° 30			19·980	369·768	0·872	S 5 E	0·9962 0·0872	0·0875	12 81
390	20	2° 45	0·9988 0·0480	0·0480	19·976	389·744	0·96	S 5 W			13·83
410	20	2° 45			19·976	409·72	0·96	S 5 W			14·79
430	20	2° 45			19·976	429·696	0·96	S 5 W			15·75
450	20	3°	0·9986 0·0523	0·0524	19·972	449·668	1·046	S 2 W			16·796
470	20	3°			19·972	469.64	1·046	S 5 E			17·842
480	10	3° 15	0·9984 0·0567	0·0568	9·984	479·624	0·567	S 10 E			18·409
490	10	3° 15			9·984	489·608	0·567	S 8 E	0·9903 0·1392	0·1405	18·976

Column 6 = Cos 4 x 2

Column 8 = Sin 4 x 2

Colum 7 = Column 6 added Cumulatively

Colum 12 = Colum 8 added Cumulatively

Column 13 = Column 8 x Cosine 10

Colum 14 = Column 8 x Sine 10.

Column 15 = Colum 13 added algebraically

Column 16 = Colum 14 " "

PLAN.

N.

Scale 1": 10'

Vertical Section

Scale 1": 50'

FOLD

DOLPHIN DDH # D471

DATE SURVEYED > 15*37*90

R.L 0.0

R.L -100.0

R.L -200.0

EOH

564000

219900

HO3

PLAN
SECTION

SURV METHOD :SS

FINAL DEPTH 209.7
SURVEY DEPTH 207.0

CASING DEPTH 1.0

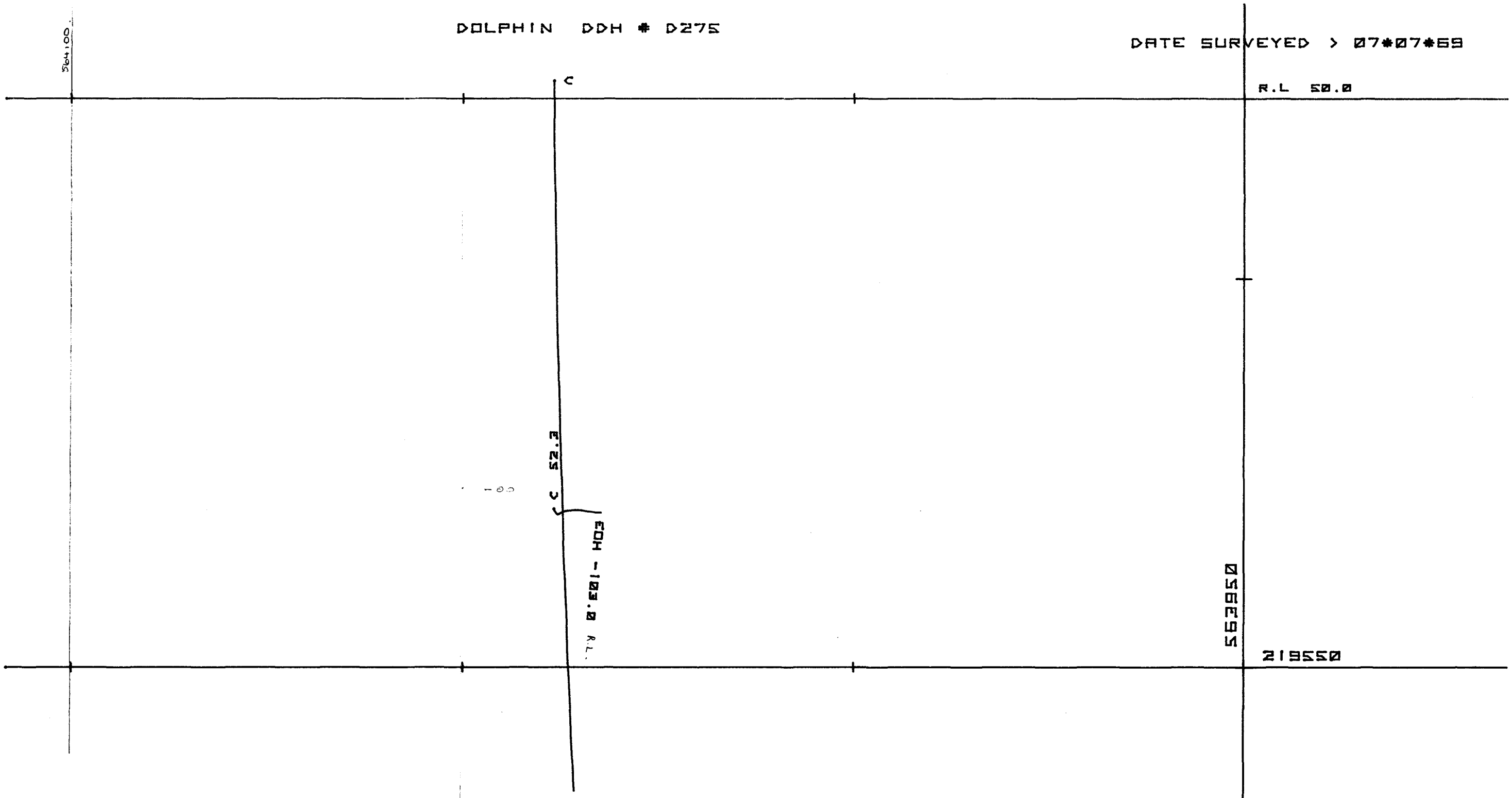
COL 219919.7 563971.3
EOH 219897.0 563980.4

FOLD

HEWLETT-PACKARD
9280
FOR USE ON HEWLETT-PACKARD RECORDERS

DOLPHIN DDH # D275

DATE SURVEYED > 07*07*69



PLAN
SECTION

SURV METHOD :MS

FINAL DEPTH 155.5
SURVEY DEPTH 91.4

CASING DEPTH 0.0

COL	219570.4	564038.3
EOH	219569.9	564032.3

No. 1 Orebody - Line 6

742.90E, 161.48S 99838.5

-74.03 Feet -19.26m

23rd June, 1969.

3rd July, 1969.

350-Feet

- vertical, see other log

N. R. Kinnane.

I.S.G. Co-ords: 219,865.9E
564,128.3N

R.L = -19.3m

274/1	0	2	2	2	0.55	0.009
274/2	2	4	2	2	0.18	48m 0.42
274/3	4	6	2	2	0.53	—
274/4	6	8	2	2	0.12	
274/5	8	10	2	2	0.09	
274/6	10	12	2	2	0.10	
274/7	12	14	2	2	0.06	
274/8	14	16	2	2	0.05	
274/9	16	18	2	2	0.07	
274/10	18	20	2	2	0.13	
274/11	20	22	2	2	0.07	
274/12	22	24	2	2	0.03	(0.01
274/13	24	26	2	2	0.04	
274/14	26	28	2	2	0.04	
274/15	28	30	2	2	0.04	
274/16	30	32	2	2	0.22	
274/17	32	34	2	2	0.21	
274/18	34	36	2	2	0.11	
274/19	36	38	2	2	0.04	
274/20	38	40	2	2	0.05	
274/21	40	42	2	2	0.05	(0.01
274/22	42	44	2	2	0.06	(0.01
274/23	44	46	2	2	0.09	(0.01
274/24	46	48	2	2	0.46	0.009 1.2m, 0.82%
274/25	48	50	2	2	1.18	0.031
274/26	50	52	2	2	0.24	0.011
274/27	52	54	2	2	0.03	(0.01
274/28	54	56	2	2	0.02	(0.01
274/29	56	58	2	2	0.04	(0.01
274/30	58	60	2	2	0.65	0.021
274/31	60	62	2	2	0.13	(0.01
274/32	62	64	2	2	0.09	(0.01
274/33	64	66	2	2	0.62	0.018
274/34	66	68	2	2	1.26	0.034
274/35	68	70	2	2	1.21	0.027
274/36	70	72	2	2	1.05	0.023
274/37	72	74	2	2	0.89	0.022
274/38	74	76	2	2	1.07	0.025
274/39	76	78	2	2	0.41	0.010
274/40	78	80	2	2	0.20	(0.01
274/41	80	82	2	2	0.10	(0.01
274/42	82	84	2	2	0.28	(0.01
274/43	84	86	2	2	0.57	0.016
274/44	86	88	2	2	0.90	0.021

PYROXENE GARNET HORNFELS 30-35'	PYROXENE/GARNET HORNFELS, fine to medium grained rock containing coarse scheelite (blue and yellow), scattered throughout.
BRECCIA 35-48	BRECCIA, a fragmental rock containing fragments of biotite, pyroxene, pyroxene-garnet and garnet hornfels. Minor amounts of calcite occur.
GARNET/PYROXENE-GARNET HORNFELS 48' - 53'	GARNET-PYROXENE/GARNET HORNFELS, medium grained brown rock with good, fine disseminated scheelite. Some local enriched bands occur.
BANDED GARNET-PYROXENE/GARNET HORNFELS 53-64.5	BANDED GARNET-PYROXENE/GARNET HORNFELS, a banded medium to coarse grained rock with fine disseminated scheelite. Biotite and pyroxene bands are common.
CALCITE HORNFELS 64.5 - 113	CALCITE HORNFELS, banded rock with biotite and pyroxene bands.

					WO_3	Mo	
274/55	88	90	2	2	0.19	0.010	
274/56	90	92	2	2	0.11	(0.01	54'
274/47	92	94	2	2	0.10	(0.01	
274/48	94	96	2	2	0.38	0.016	16.5m at 0.49%
274/49	96	98	2	2	0.40	0.015	
274/50	98	100	2	2	0.38	0.015	
274/51	100	102	2	2	0.20	(0.01	
274/52	102	104	2	2	0.09	(0.01	
274/53	104	106	2	2	0.60	0.027	
274/54	106	108	2	2	0.13	0.010	
274/55	108	110	2	2	0.61	0.021	
274/56	110	112	2	2	0.46	0.016	
274/57	112	114	2	2	0.25	0.009	
274/58	114	116	2	2	0.12	(0.01	
274/59	116	118	2	2	0.08	(0.01	
274/60	118	120	2	2	0.10	(0.01	
274/61	120	122	2	2	0.06	0.016	
274/62	122	124	2	2	0.08	0.016	
274/63	124	126	2	2	0.45	0.009	
274/64	126	128	2	2	0.20	0.016	
274/65	128	130	2	2	0.13	0.018	
274/66	130	132	2	2	0.13	(0.01	
274/67	132	134	2	2	0.66	0.018	
274/68	134	136	2	2	0.53	0.018	3.0m 0.42%
274/69	136	138	2	2	0.07	0.016	
274/70	138	140	2	2	0.41	0.009	
274/71	140	142	2	2	0.44	0.015	
274/72	142	144	2	2	0.14	(0.01	

IOTITE/PYROXENE/ -LCITE HORNFELS 13 - 145	BIOTITE/PYROXENE/CALCITE HORNFELS, fine to medium grained rock, banded with some garnet bands and with minor disseminated scheelite.
APLITE 145 - 146	APLITE, fine grained to medium grained grey rock.
BIOTITE/PYROXENE HORNFELS 146 - 160	BIOTITE/PYROXENE HORNFELS, biotite and pyroxene occur as fine grained bands along with some calcite.
OLD. VOLCANICS 160 - 198	OLDER VOLCANICS, fine to medium grained mottled grey green rock.
CALCITE HORNFELS 198 - 202	CALCITE HORNFELS, medium to coarse grained grey rock brecciated in part.
VOLC/QUZITE 202 - 214	VOLCANICS/QUARTZITE, interbedded fine grained quartzite and medium grained mottled volcanics. Aplite at 215.5 to 216, Core highly fractured, veined by quartz and calcite. Joints at 20 and 60°

			WO_3	Mo
225	245	20	6	
252	254	2	1.5	

QUARTZITE
214 - 350

QUARTZITE, fine grained grey well jointed rock. Joints calcite and chlorite filled. Shale bands at 225' to 245'.

Joints at 70 and 10°

GEORGKO LIMITED

see other log

DIAMOND DRILL CORE LOG SHEET

Hole No. 274

Location No. 1 Orebody - Line 12 Elevation - 74.23

Final Depth 350 Feet Co-Ords. 742.90E, 161.30 99838.5

Dip Vertical Bearing -

Date Commenced 23/6/69 Date Completed 3/7/69

I.S.G. Co-ords: 219,865.9E / 564,128.3N; RL = +19.3

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO3	Assay Mo
0	35'	35'		Pyroxene Garnet Hornfels:- fine to medium grained black rock with coarse scheelite, blue and yellow scattered throughout.		
				SAMPLED		
				0' - 2' 2'	0.55	
				2' - 4' 2'	0.18	
				4' - 6' 2'	0.52	
				6' - 8' 2'	0.12	
				8' - 10' 2'	0.09	
				10' - 12' 2'	0.10	
				12' - 14' 2'	0.06	
				14' - 16' 2'	0.05	
				16' - 18' 2'	0.07	
				18' - 20' 2'	0.13	
				20' - 22' 2'	0.07	
				22' - 24' 2'	0.08	
				24' - 26' 2'	0.04	
				26' - 28' 2'	0.04	
				28' - 30' 2'	0.04	
				30' - 32' 2'	0.22	
				32' - 34' 2'	0.21	
35'	48'	13'		Breccia:- fragmented rock with some Biotite and Pyroxene Hornfels fragments in a clayey chloritic matrix. Minor calcite and garnet rock.		
10.7	14.6			SAMPLED		
				34' - 36' 2'	0.11	
				36' - 38' 2'	0.04	
				38' - 40' 2'	0.05	
				40' - 42' 2'	0.05	
				42' - 44' 2'	0.06	
				44' - 46' 2'	0.09	
				46' - 48' 2'	0.46	
48'	53'	5'		Garnet-Pyroxene/Garnet Hornfels:- medium grained brown rock with good fine disseminated scheelite.		
	16.2			SAMPLED		
				48' - 50' 2'	1.18	
				50' - 52' 2'	0.24	
53'	64.5'	11.5'		Banded Garnet/Garnet Pyroxene Hornfels:- banded medium to coarse grained rock with fine disseminated scheelite. Biotite and Pyroxene bands common.		
	19.7			SAMPLED		
				52' - 54' 2'	0.08	
				54' - 56' 2'	0.02	
				56' - 58' 2'	0.02	
				58' - 60' 2'	0.65	
				60' - 62' 2'	0.18	
				62' - 64' 2'	0.09	
64.5'	113'	48.5'		Calcite Hornfels:- banded rock with Biotite and Pyroxene bands.		
				SAMPLED		
				64' - 66' 2'	0.62	
				66' - 68' 2'	1.26	
				68' - 70' 2'	1.21	

C 027

			70' - 72'	2'	1.05	
			72' - 74'	2'	0.89	
			74' - 76'	2'	1.07	0.025
			76' - 78'	2'	0.41	0.010
			78' - 80'	2'	0.00	<0.01
			80' - 82'	2'	0.10	<0.01
			82' - 84'	2'	0.28	<0.01
			84' - 86'	2'	0.57	0.014
			86' - 88'	2'	0.90	0.021
			88' - 90'	2'	0.19	0.010
			90' - 92'	2'	0.11	0.01
			92' - 94'	2'	0.10	<0.01
			94' - 96'	2'	0.38	0.014
			96' - 98'	2'	0.40	0.010
			98' - 100'	2'	0.36	0.015
			100' - 102'	2'	0.20	<0.01
			102' - 104'	2'	0.09	<0.01
			104' - 106'	2'	0.60	0.02
			106' - 108'	2'	0.13	0.014
			108' - 110'	2'	0.61	0.021
			110' - 112'	2'	0.46	0.014
			112' - 114'	2'	0.25	0.009
113'	145'	32'	Biotite/Pyroxene/Calcite Hornfels:- minor garnet bands in a strongly banded rock containing good disseminated scheelite in fine bands.			
			114' - 116'	2' (SAMPLED)	0.12	<0.01
			116' - 118'	2'	0.08	<0.01
			118' - 120'	2'	0.10	<0.01
			120' - 122'	2'	0.06	0.014
			122' - 124'	2'	0.08	0.014
			124' - 126'	2'	0.48	0.009
			126' - 128'	2'	0.20	0.014
			128' - 130'	2'	0.13	0.015
			130' - 132'	2'	0.13	<0.01
			132' - 134'	2'		0.015
			134' - 136'	2'		0.015
			136' - 138'	2' SEE OTHER LOG		0.011
			138' - 140'	2'		0.009
			140' - 142'	2'		0.015
			142' - 144'	2'		<0.01
145'	146'	1'	Aplite:- medium grained grey rock.			
146'	160'	14'	Biotite/Pyroxene Hornfels:- fine grained banded black and green rock - minor calcite bands.			
160'	198'	38'	Older Volcanics:- fine to medium grained grey green rock mottled in part.			
198'	202'	4'	Calcite Hornfels:- medium to coarse grained grey rock brecciated in part.			
202'	214'	12'	Volcanics/Quartzite:- interbedded fine grained grey quartzite and medium grained green mottled volcanics. Aplite - 215'6" to 216'. Core highly fractured. Joints at 20o and at 60°.			

				Veins of calcite and quartz.
214'	350'	136'	121.5'	Quartzite:- fine grained grey rock. Joints 70° and 10° - calcite and chlorite filled joints. Minor shale bands 225' to 245'. 225' to 245' 14' Lost Core 245' to 254' 6" Lost Core

HOLE COMPLETED AT 350 FEET

274

Logged By: N. R. Kinnane

			Length	WO_3			REMARKS
274/1	0	2'	2'	0.55		1.10	6' at 0.42% WO_3
/2	2' .61	4'	2'	0.18		0.36	
/3	4' 1.2	6'	2'	0.53		1.06	
/4	6' 1.8	8'	2'	0.12		0.24	
/5	8' 2.4	10'	2'	0.09		0.18	
/6	10' 3.0	12'	2'	0.10		0.20	
/7	12' 3.6	14'	2'	0.06		0.12	
/8	14' 4.3	16'	2'	0.05		0.10	
/9	16' 4.9	18'	2'	0.07		0.14	
/10	18' 5.5	20'	2'	0.13		0.26	
/11	20' 6.1	22'	2'	0.07		0.14	
/12	22' 6.7	24'	2'	0.08		0.16	
/13	24' 7.3	26'	2'	0.04		0.08	
/14	26' 7.9	28'	2'	0.04		0.08	
/15	28' 8.5	30'	2'	0.04		0.08	
/16	30' 9.1	32'	2'	0.22		0.44	
/17	32' 9.7	34'	2'	0.21		0.42	
/18	34' 10.4	36'	2'	0.11		0.22	
/19	36' 11.0	38'	2'	0.04		0.08	
/20	38' 11.6	40'	2'	0.05		0.10	
/21	40' 12.1	42'	2'	0.05		0.10	
/22	42' 12.8	44'	2'	0.06		0.12	
/23	44' 13.4	46'	2'	0.09		0.18	
/24	46' 14.0	48'	2'	0.46		0.92	
/25	48' 14.6	50'	2'	1.18		2.36	
/26	50' 15.2	52'	2'	0.24		0.48	
/27	52' 15.8	54'	2'	0.08		0.16	
/28	54' 16.4	56'	2'	0.02		0.04	
/29	56' 17.1	58'	2'	0.04		0.08	
/30	58' 17.7	60'	2'	0.65		1.30	42' at 0.55% WO_3
/31	60' 18.3	62'	2'	0.18		0.36	
/32	62' 18.9	64'	2'	0.09		0.18	
/33	64' 19.5	66'	2'	0.62		1.24	
/34	66' 20.1	68'	2'	1.26		2.52	
/35	68' 20.7	70'	2'	1.21		2.42	
/36	70' 21.3	72'	2'	1.05		2.10	
/37	72' 21.9	74'	2'	0.89		1.78	

DIAMOND DRILL HOLE 274

Logged By N. R. Kinnane

	FROM	TO	Length	ASSAY WO_3	Mo		REMARKS
/38	74' 22.5	76'	2'	1.07		2.14	
/39	76' 23.2	78'	2'	0.41		0.82	
/40	78' 23.8	80'	2'	0.20		0.40	
/41	80' 24.4	82'	2'	0.10		0.20	
/42	82' 25.0	84'	2'	0.28		0.56	
/43	84' 25.6	86'	2'	0.57		1.14	
/44	86' 26.2	88'	2'	0.90		1.80	
/45	88' 26.8	90'	2'	0.19		0.38	
/46	90' 27.4	92'	2'	0.11		0.22	
/47	92' 28.0	94'	2'	0.10		0.20	
/48	94' 28.6	96'	2'	0.38		0.76	
/49	96' 29.3	98'	2'	0.40		0.80	
/50	98' 29.9	100'	2'	0.38		0.46	
/51	100' 30.5	102'	2'	0.20		0.40	
/52	102' 31.1	104'	2'	0.09		0.18	
/53	104' 31.7	106'	2'	0.60		1.20	20' at 0.33% WO_3
/54	106' 32.3	108'	2'	0.13		0.26	
/55	108' 32.9	110'	2'	0.61		1.22	
/56	110' 33.5	112'	2'	0.46		0.92	
/57	112' 34.1	114'	2'	0.25		0.50	
/58	114' 34.7	116'	2'	0.12		0.24	
/59	116' 35.3	118'	2'	0.08		0.16	
/60	118' 36.0	120'	2'	0.10		0.20	
/61	120' 36.6	122'	2'	0.06		0.12	
/62	122' 37.2	124'	2'	0.08		0.16	
/63	124' 37.8	126'	2'	0.48		0.96	2' at 0.48% WO_3
/64	126' 38.4	128'	2'	0.20		0.40	
/65	128' 39.0	130'	2'	0.13		0.26	
/66	130' 39.6	132'	2'	0.13		0.26	
/67	132' 40.2	134'	2'				
/68	134' 40.8	136'	2'				
/69	136' 41.4	138'	2'				
/70	138' 42.1	140'	2'				
/71	140' 42.7	142'	2'				
/72	142' 43.3	144' 43.9	2'				

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD TROPARI DATE: 3/7/69

HOLE No. 274 LOCATION No. 1 Orebody Line 6

DEPTH	TIMES			DIP	BRG.	REMARKS
	SET	OFF	PULLED			
340'	9.00	9.20	9.30	87°	118°	
150'	9.48	10.10	10.20	90°	134°	

DDH 274
1:500

5641 50N

219 800E (Section Line)

219 800E

219 900E

DDH 274

VERTICAL

RL = -19.26 m.

fgb

gpb

qp

bh/qp/fgb

A

bh

qp

v/g

A

g

VERTICAL

SECTION IN PLANE OF HOLE ≡ ISO SECTION

No. 1 Orebody - Line 6

676.91E, 524.49S
9947S.5

+ 45.47 Feet + 10.81 = +17.15 m

4th July, 1969

13th October, 1969.

-

N. Kinnane & L. Szabo

I.S.G. Co-ords: 219,829.9 E
564,021.7 N
R.L = 17.2m.

					MO_3 Mo
	0	48	48		
	55	56.5	1.5	1	
	90	91	1	0.5	
	103	105	2	1	
	105	107	2	1	
	107	109	2	1	
	109	110	1	-	
	110	112	2	1	
	112	113	1	0	
	145	148	3	2	
	200	201	1	0.5	
	207	211	4	3	
	213	214	1	0.5	
	310	312	2	1.5	
A0740	494	496	2	2	0.17 (0.01
A0741	496	498	2	2	0.26 (0.01

No Core

.ITE 48-70 — APLITE, fine grained pinkish grey highly fractured rock.

.C-NICS - 347 — VOLCANICS, fine grained gractured green rock with prominent jointing and faulting. At 136' the rock becomes rather porphyritic in nature. From 172' to 187' a length of 15' there is a pronounced breccia zone. There is a further breccia zone from 292' to 322'. the area has abundant chlorite and calcite infilling. From 346 to 347 the rock becomes highly spotted.

Joints at 80° and 15°

Joints at 30° 30° and 40°

.OTITE HORNFELS 7 - 485 — BIOTITE HORNFELS, a fine grained black rock containing abundant muscovite with some fine grained pyroxene material. From 346 to 347 the rock is quartzitic. At 403 Pyroxene bands and quartz veins occur. The rock is spotted at 370 and becomes medium grained from 359 to 263 and from 403 to 407. Aplite from 386 to 386.5, from 410' to438 rock contains less muscovite and pyroxene. At 414.8' one coarse scheelite crystal occurs. The rock is cut by calcite filled fractures giving it a styolitic appearance from 429 to 438. From 428 to 429 - Aplite 438 to 440 - A lite. Pyroxene bands occur from 445 to 446, 449 to 550, 453 to 455, 457 to 461. The bands are much coarser in texture. Aplite from 476.75 to 479, 479.75 to 479.8, 480.15 to 480.75. Calcite filled joints at the end of this zone.

Joints at 40 and 50°.

Joints at 50° and 30°.

Calcite 437 - 440

Joints at 50 and 40°

.ROXENE HORNFELS 4 - 498 [illegible] - 507 — PYROXENE HORNFELS, medium grained rock with flow structures and calcite modules. Scheelite mineralisation from 494 to 498.

.LCITE HORNFELS 1 - 507 — CALCITE HORNFELS, medium grained gr y brown rock with a fragmental texture.

.NITE 507-588 — GRANITE, medium grained biotite granite.

527 - 528 FAULT & RUBBLE WITH CLINO-HUMITE

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 273

Logged By: N. R. Kinnane

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A0740	494 (150.6)	496 (151.8)	2	0.17	(0.01		
A0741	496 (151.2)	498 (151.8)	2	0.26	(0.01	0.52	2' at 0.26% WO_3

DDH 273

2/9 850

564.850 N.

APLITE

00 RL

SECTION 21840

VOLCS

-100

-200

-300

bh

bh/ph

ph

ch

granite

-400

SECTION IN PLANE OF HOLE

ISO. SECTION LOOKING E.

GAF A3 5mm

E W

W

S

PLAN VIEW
1"=50'

TRUE VERTICAL PROJECTION
SCALE 1"=50'

EASTMAN MULTISHOT DRILL HOLE SURVEY

DDH 273 #1 Orebody

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent
10	10	3°45'	.9979 .0654	.0655	9.979		.654	S80W	.1736 .9848	.1763
30	20	3°30'	.9981 .0610	.0612	19.962	29.941	1.220	S80W	.1736 .9848	.1763
50	20	3°	.9986 .0523	.0524	19.972	49.913	1.046	S81W	.1564 .9877	.1584
70	20	3°	.9986 .0523	.0524	19.972	69.885	1.046	S81W	.1564 .9877	.1584
90	20	3°	.9986 .0523	.0524	19.972	89.857	1.046	S76W	.2419 .9703	.2493
110	20	3°	.9986 .0523	.0524	19.972	109.829	1.046	S82W	.1392 .9903	.1405
130	20	3°15'	.9984 .0567	.0568	19.968	129.797	1.134	S81W	.1564 .9877	.1584
150	20	3°30'	.9981 .0610	.0612	19.962	149.759	1.220	S81W	.1564 .9877	.1584
170	20	3°45'	.9979 .0654	.0655	19.958	169.717	1.308	S75W	.2588 .9659	.2679
190	20	4°	.9976 .0698	.0699	19.952	189.669	1,396	S78W	.2924 .9563	.3057
210	20	3°45'	.9979 .0654	.0655	19.958	209.627	1.308	S76W	.2419 .9703	.2493
230	20	3°45'	.9979 .0654	.0655	19.958	229.585	1.308	S69W	.3584 .9336	.3839
250	20	3°30	.9981 .0610	.0612	19.962	249.547	1.220	S69W	.3584 .9336	.3839
270	20	3°45	.9979 .0654	.0655	19.958	269.505	1.308	S75W	.2588 .9659	.2679
290	20	3°45	.9979 .0654	.0655	19.958	289.463	1.308	S76W	.2419 .9703	.2493
310	20	4°	.9976 .0698	.0699	19.952	309.415	1.396	S70W	.3420 .9397	.3640
330	20	4°	.9976 .0698	.0699	19.952	329.367	1.396	S69W	.3584 .9336	.3839
350	20	4°30'	.9969 .0785	.0787	19.938	349.305	1.570	S69W	.3584 .9336	.3839
370	20	4°30	.9969 .0785	.0787	19.938	369.243	1.570	S66W	.4067 .9135	.4452
390	20	4°30'	.9969 .0785	.0787	19.938	389.181	1.570	S70W	.3420 .9397	.3640
410	20	3°30	.9981 .0610	.0612	19.962	409.143	1.220	S69W	.3584 .9336	.3839
430	20	30	.9986 .0523	.0524	19.972	429.115	1.046	S69W	.3584 .9336	.3830
450	20	2°30'	.9990 .0436	.0437	19.980	449.095	.872	S69W	.3584 .9336	.3839
470	20	2°30'	.9990 .0436	.0437	19.980	469.075	.872	S77W	.2250 .9744	.2309
~~490~~	~~20~~	~~2°30'~~	.9990 .0436	.0437	~~19.980~~	~~489.055~~	.872	S85W	.0872 .9962	.0875
510	20	2°30'	.9990 .0436	.0437	19.980	509.035	.872	S76W	.2419 .9703	.2493
530	20	2°30'	.9990 .0436	.0437	19.980	529.015	.872	N88W	.0349 .9994	.0349
	20	2°30'	.9990 .0436	.0437	19.980	549.995	.872	N89W	.0175 .9998	.0175
	20	2°30	.9990 .0436	.0437	19.980	568.975	.872	N79W	.1908 .9816	.1944

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

DDH 273 - #1 Orebody

12	13		14		15			16
Deflection	Co-ordinate Difference				Rectangular Difference			
	N	S	E	W	N	S	E	W
		0.114		.694		0.114		
1.874		0.218		1.201		0.332		1.845
2.920		0.164		1.033		0.496		3.478
3.966		0.164		1.033		0.660		4.511
5.012		0.253		1.015		0.913		5.526
6.058		0.146		1.036		1.059		6.562
7.192		0.177		1.120		1.236		7.682
8.412		0.191		1.205		1.427	—	8.887
9.720		0.339		1.263		1.766		10.150
11.116		0.408		1.335		2.174		11.485
12.424		0.316		1.269		2.490		12.754
13.732		0.469		1.221		2.959		13.975
14.952		0.437		1.139		3.396	—	15.114
16.260		0.339		1.263		3.735		16.377
17.568		0.316		1.269		4.051		17.646
18.964		0.477		1.312		4.528		18.958
20.360		0.500		1.303		5.028		20.261
21.930		0.358		1.466		5.386	—	21.727
23.500		0.639		1.434		6.025		23.161
25.070		0.537		1.475		6.562		24.636
26.290		0.437		1.139		6.999		25.775
27.336		0.375		0.977		7.374		26.752
28.208		0.313		0.814		7.687	—	27.566
29.080		0.196		0.850		7.883		28.416
~~29.252~~	—	~~0.076~~		~~0.869~~		~~7.959~~		~~29.285~~
30.824		0.211		0.846		8.170		30.131
31.696	0.030			0.871		8.140		31.002
32.568	0.015			0.872		8.125		31.874
33.440	0.166			0.856		7.959		32.730

DIAMOND DRILL HOLE NO. 272

LOCATION	No. 1 Orebody, Line 5
CO-ORDINATES:	841.95E, 406.86S 99593-1
R.L.:	+15.82 Feet + 10.81 ∅ = 26.63' = 8.12m
DATE COMMENCED:	17th May, 1969
DATE COMPLETED:	25th June, 1969
FINAL DEPTH:	600 Feet
DATE SURVEYED:	16th May, 1969.
SURVEYED BY:	N. R. Kinnane.

SURVEY LOST

From plot on Line 5 1:500

use 4.5° to 120m

3.0° 120 to 182.9

DIRECTION - ALONG LINE 5

I.S.G. Co-ords: 219,884.9E
564,049.9N
R.L. = 8.1m

					Wo
272/8	270	272	2	2	0.46
272/9	272	274	2	2	0.69
272/10	274	276	2	2	0.48
272/11	276	278	2	2	0.26
272/12	278	280	2	2	0.15
272/13	280	282	2	2	0.29
272/14	282	284	2	2	0.07
272/15	284	286	2	2	0.28
272/16	286	288	2	2	0.34
272/17	288	290	2	2	0.19
272/18	290	292	2	2	0.61
272/19	292	294	2	2	0.34
272/20	294	296	2	2	0.34
272/21	296	298	2	2	1.54
272/22	298	300	2	2	0.46
272/23	300	302	2	2	0.26
272/24	302	304	2	2	0.38
272/25	304	306	2	2	0.36
272/26	306	308	2	2	0.53
272/27	308	310	2	2	0.86
272/28	310	312	2	2	0.13
272/29	345	347	2	2	0.65
272/30	347	349	2	2	0.06
272/31	349	351	2	2	0.13
272/32	351	353	2	2	0.05
272/33	353	355	2	2	0.09
272/34	355	357	2	2	0.04
272/35	357	359	2	2	0.10
272/36	359	361	2	2	0.16
272/37	361	363	2	2	0.14
272/38	363	365	2	2	0.06
272/39	365	367	2	2	0.09
272/40	367	369	2	2	0.17
272/41	269	371	2	2	0.13
272/42	371	373	2	2	0.07
272/43	373	375	2	2	0.04
272/44	375	377	2	2	0.05
272/45	377	379	2	2	0.11
272/46	379	381	2	2	0.16
272/47	381	383	2	2	0.06
272/48	383	385	2	2	0.14
272/49	385	387	2	2	0.18
272/50	387	389	2	2	0.07

					WO_3	
272/51	421	423	2	2	0.28	
272/52	423	425	2	2	0.14	
272/53	425	427	2	2	0.59	
272/54	427	429	2	2	0.07	
272/55	429	431	2	2	0.06	
272/56	431	433	2	2	3.50	0.061
272/57	433	435	2	2	0.05	
272/58	435	437	2	2	0.01	
272/59	437	439	2	2	0.01	
272/60	439	441	2	2	0.41	
272/61	441	443	2	2	4.0	0.095
	473	475.5	2.5	1.5		
	484	486	2	1		
	491	493	2	1.5		
	570	574.5	4.5			
	574.5	588	13.5			
	588'	600	12			

Volcs. 0' to 26·5'	Volcanics :- Fine grained green porphyritic rock with biotite phenocrysts. Jointing is variable. Some areas are fragmental and tuffaceous.	Joints a 45° to 20° to
Bh. 26·5' to 40' 8·08	Biotite Hornfels :- Fine grained black slightly banded rock - spotted in part. Joints open and calcite filled	Joints at 70° and
Volcs 40' to 71' 7·19	Volcanics :- medium grained green rock, rather tuffaceous in parts. Two isolated scheelite specs at 57'. Joints open Granite dyke from 51' to 56'. The Top 2' is strongly kaolinized.	Joints 45° and
Bh 71' to 87·5' 21·60	Biotite Hornfels :- Fine grained black rock, both banded and spotted. Veined by Calcite at 71'. Joints are open	Joints 10°, 70°,
Volcs 87·5' to 104' 26·61	Volcanics :- Fine grained green mottled rock. Joints open, some filled with calcite and pyrite	Joints 30°
Bh 104' to 256·5' 31·70 78·18	Biotite Hornfels :- fine grained black spotted rock. strongly jointed and lined with calcite and pyrite. Aplite dykes from 32 105' to 32·16 105·5' 35·7 117' to 35·81 117·5' 39·25 125·5' to 39·86 127·5'	Joints a 20° a
	One extra joint set below 130' From 222' to 227' a mottled green rock not unlike volcanics occurs. Breccia from 65·29 214' to 66·45 218' 69·49 228' to 72·85 230'	Joint at

Gph | Gh
256.5' to 277'

Garnet-pyroxene | Garnet Hornfels:- a medium to coarse grained green brown rock containing varying amounts of diopside. A fine to medium grained green pyroxene rock with actinolite and calcite occurs from 256.5' to 260'.
Scheelite occurs as scattered fine grains of patchy nature.

Gh|Gph|Ph
277' to 287'

Garnet | Garnet-pyroxene | Pyroxene Hornfels:- a variable banded rock, fine to coarse grained in texture. Some coarse grained garnet bands.

Joints at 4 and 80°

Continued Next page

~~Gph~~
~~287' to 303'~~

~~Garnet-pyroxene Hornfels:- coarse grained garnet rich rock with some fine disseminated scheelite.~~

~~Gh|Ph|Ck~~
~~303' to 317'~~

~~Garnet | Pyroxene | Calcite Hornfels:- Some pyroxene in~~ a fine to coarse grained banded rock. The garnet bands become fewer below 310'.

GARNET PYROXENE HORNFELS 287'-303'
87.48 92.35

GARNET PYROXENE HORNFELS - coarse grained garnet rich rock with some fine disseminated scheelite.

GARNET/PYROXENE/CALCITE HORNFELS 303'-311' 94.79

GARNET/PYROXENE/CALCITE HORNFELS, some pyroxene in a fine to coarse grained banded rock. The garnet bands become fewer below 310'.

BIOTITE PYROXENE HORNFELS 311'-326.5'
130.02

BIOTITE/PYROXENE HORNFELS, fine grained green and black rock with minor garnet bands and fine scheelite. Coarse scheelite at 346'
Joints are pyrite filled.

Joints at 30°, 60°, 80°

/OLCANICS 426.5'-428'

VOLCANICS, mottled fine to medium grained green rock.

BIOTITE/PYROXENE HORNFELS 428'-431'

BIOTITE/PYROXENE HORNFELS, fine grained banded rock, containing patchy scheelite.

CALCITE HORNFELS 431' - 441'

CALCITE HORNFELS, fine to medium grained grey rock with minor disseminated scheelite and vein scheelite.

LD VOLCANICS 441 - 570'

OLDER VOLCANICS, mottled grey green rock rather porphyritic in nature.

CALCITE HORNFELS 570' - 574.5'

CALCITE HORNFELS, grey rock banded and mottled with isolated flecks of blue fluorescing scheelite.

BRECCIA 574.5-588'

BRECCIA, fragmented rock cut by veins of calcite. At 588' the rock is rather like Pgh.

BIOTITE HORNFELS 588' - 600'

BIOTITE HORNFELS, fine grained grey broken rock somewhat brecciated.

272

N. R. Kinnane

			Length	WO_3		
272/1	256'	258'	2'	0.09	0.18	
/2	258'	260'	2'	0.08	0.16	
/3	260'	262'	2'	0.27	0.54	
/4	262'	264'	2'	0.08	0.16	
/5	264'	266'	2'	0.49	0.98	HW C LENS
/6	266'	268'	2'	0.54	1.08	3.7m at 0.50%
/7	268'	270'	2'	0.31	0.62	
/8	270'	272'	2'	0.46	0.92	50' at
/9	272'	274'	2'	0.69	1.38	0.42% WO_3
/10	274'	276'	2'	0.48	0.96	
/11	276'	278'	2'	0.26	0.52	54' at
/12	278'	280'	2'	0.15	0.30	
/13	280'	282'	2'	0.29	0.58	
/14	282'	284'	2'	0.07	0.14	
/15	284'	286'	2'	0.28	0.56	
/16	286'	288'	2'	0.34	0.68	
/17	288'	290'	2'	0.19	0.38	
/18	290'	292'	2'	0.61	1.22	
/19	292'	294'	2'	0.34	0.68	10.4m at 0.43%
/20	294'	296'	2'	0.34	0.68	
/21	296'	298'	2'	1.54	3.08	
/22	298'	300'	2'	0.46	0.92	
/23	300'	302'	2'	0.26	0.52	
/24	302'	304'	2'	0.38	0.76	
/25	304'	306'	2'	0.36	0.72	
/26	306'	308'	2'	0.53	1.06	
/27	308'	310'	2'	0.86	1.72	
/28	310'	312'	2'	0.13	0.26	
/29	345'	347'	2'	0.65	1.30	2' at 0.65% WO_3
/30	347'	349'	2'	0.06	0.12	
/31	349'	351'	2'	0.13	0.26	
/32	351'	353'	2'	0.05	0.10	
/33	353'	355'	2'	0.09	0.18	
/34	355'	357'	2'	0.04	0.08	
/35	357'	359'	2'	0.10	0.20	
/36	359'	361'	2'	0.16	0.32	

Logged by: N. R. Kinnane

				ASSAY		
			Length	TiO_2	Sc	
/37	361' 110.0	363'	2'	0.14		0.28
/38	363' 110.6	365'	2'	0.06		0.12
/39	365' 111.2	367'	2'	0.09		0.18
/40	367' 111.9	369'	2'	0.17		0.34
/41	369' 112.5	371'	2'	0.13		0.26
/42	371' 113.1	373'	2'	0.07		0.14
/43	373' 113.7	375'	2'	0.04		0.08
/44	375' 114.3	377'	2'	0.05		0.10
/45	377' 114.9	379'	2'	0.11		0.22
/46	379' 115.5	381'	2'	0.16		0.32
/47	381' 116.1	383'	2'	0.06		0.12
/48	383' 116.7	385'	2'	0.14		0.28
/49	385' 117.2	387'	2'	0.18		0.36
/50	387' 117.9	389'	2'	0.07		0.14
/51	421' 128.3	423'	2'			
/52	423' 128.9	425'	2'			
/53	425' 129.5	427'	2'			
/54	427' 130.1	429'	2'			
/55	429'	431'	2'			
/56	431'	433'	2'			
/57	433'	435'	2'			
/58	435'	437'	2'			
/59	437'	439'	2'			
/60	439'	441'	2'			

272

N. R. Kinnane

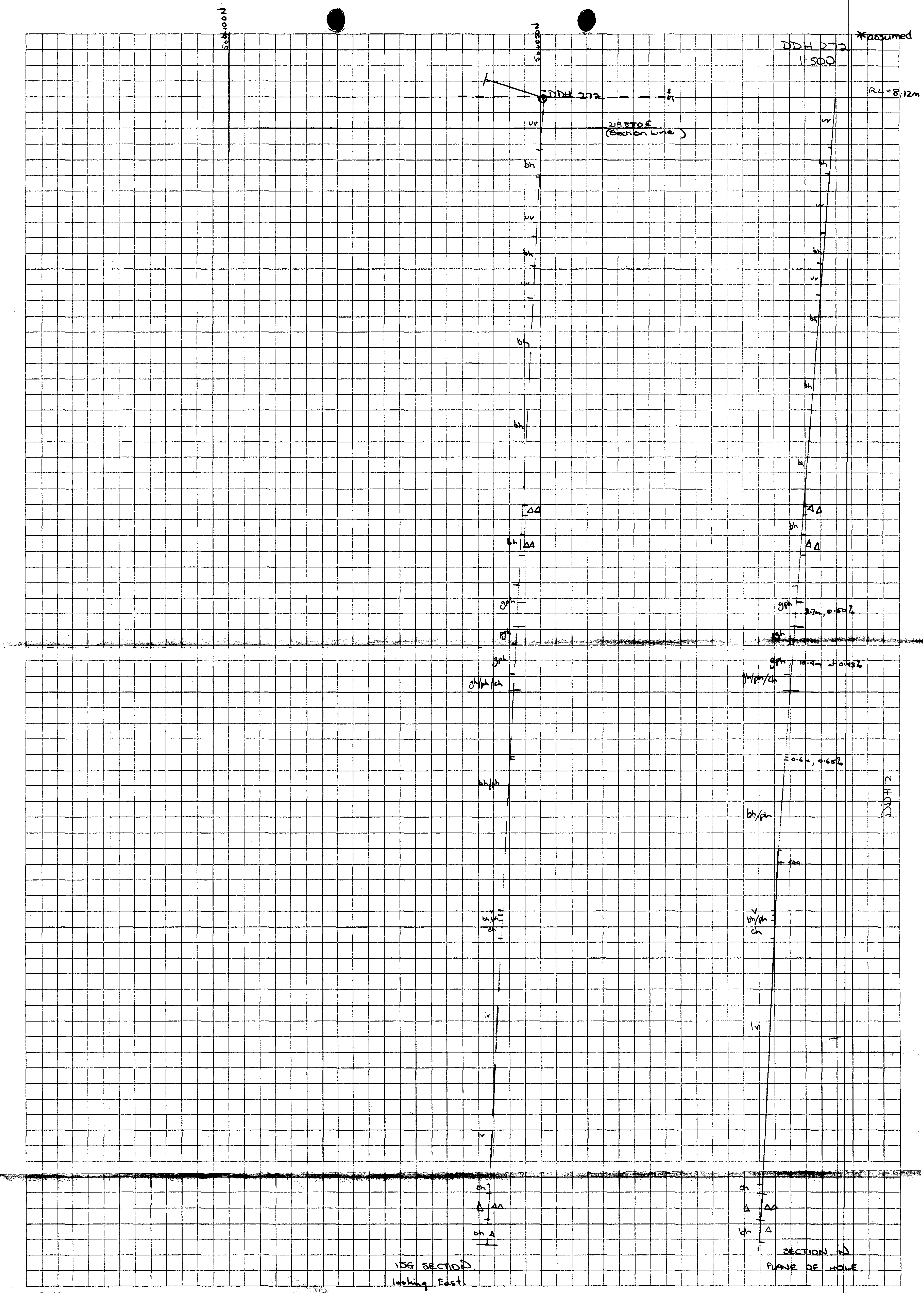
/37	361' 110.0	363'	2'	0.14	0.28
/38	363' 110.6	365'	2'	0.06	0.12
/39	365' 111.2	367'	2'	0.09	0.18
/40	367' 111.9	369'	2'	0.17	0.34
/41	369' 112.5	371'	2'	0.13	0.26
/42	371' 113.1	373'	2'	0.07	0.14
/43	373' 113.7	375'	2'	0.04	0.08
/44	375' 114.3	377'	2'	0.05	0.10
/45	377' 114.9	379'	2'	0.11	0.22
/46	379' 115.5	381'	2'	0.16	0.32
/47	381' 116.1	383'	2'	0.06	0.12
/48	383' 116.7	385'	2'	0.14	0.28
/49	385' 117.3	387' 118.0	2'	0.18	0.36
/50	387' 118.6	389'	2'	0.07	0.14
/51	421' 128.3	423'	2'	0.28	0.56
/52	423' 128.9	425'	2'	0.14	0.28
/53	425' 129.5	427'	2'	0.59	1.18
/54	427' 130.1	429'	2'	0.07	0.14
/55	429' 130.7	431'	2'	0.06	0.12
/56	431' 131.4	433'	2'	3.50	7.00
/57	433' 132.0	435'	2'	0.05	0.10
/58	435' 132.6	437'	2'	0.01	0.02
/59	437' 133.2	439'	2'	0.01	0.02
/60	439' 133.8	441' 134.4	2'	0.41	0.82
/61	441' 1350	443'	2'	4.00	8.00

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD DATE: 25/6/69

HOLE No. 272 LOCATION No. 1 Ore Body.

DEPTH	TIMES			DIP	BRG.	REMARKS
	SET	OFF	PULLED			
200'	11.30		12.20	86°	121°	
360'	12.50		1.15	87°	131°	
480'	1.35		2.15	87°	138°	


5640100N
5640050N
*assumed
DDH 272
1:500
DDH 272
RL = 8.12m
219550E
(Section Line)
uv
bh
uv
bh
uv
bh
bh
bh
ΔΔ
bh ΔΔ
gph
pgh
gph
gh/ph/ch
bh/ph
bh/ph
ch
lv
lv
ch
Δ ΔΔ
bh Δ
3.7m, 0.50%
10.4m at 0.43%
0.6m, 0.65%
400
ISG SECTION.
looking East.
SECTION IN
PLANE OF HOLE.

GAF A3 5mm

DRILL HOLE NO. 271

LOCATION:	No. 1 Orebody - Line 9
CO-ORDINATES:	290E, 370S INCORRECT SEE BELOW
DIP:	-13.18 Feet
COMMENCED:	22nd May, 1969
COMPLETED:	18th June, 1969.
FINAL DEPTH:	400 Feet 121.92m.
LOGGED BY:	N. R. Kinnane
SURVEYED BY:	

Inclination = -67.5°

BECAUSE OF CLEOL INTERP

ASSUME CO-ORDS HAVE BEEN

MEASURED INCORRECTLY FROM PLAN

AND HENCE THE CORRECT

CO-ORDS ARE 330 S

310 E

(ALL CO-ORDS FOR D 272+ HOLES ARE TO TWO DECIMAL PLACES HENCE 271 HAS BEEN MEASURED FROM A PLAN)

ORIGINAL FIELD LOGS FOUND

SURVEYED Co-ORDS 326.12 S (99673.9)

315.66 E (100,315.66)

-13.18 RL

I.S.G. Co-ords: 219,729.8 E

564,097.5N

R.L. = -0.7m

					WO_3	Mo
	0	27	27			
	27	35.5	8.5			
	35.5	45	9.5	2.5		
	46.5	50	3.5	2.5		
	50	54	4.0	0.5		
	61	65	4	1		
	65.5	66	0.5	0.25		
	66	68	2	1.5		
	70	72	2	1.5		
	100.5	102	1.5	1		
271/1	115.5	117.5	2	2	0.23	(0.01
271/2	117.5	119.5	2	2	0.18	(0.01
271/3	119.5	121.5	2	2	0.10	(0.01
271/4	121.5	123.5	2	2	0.62	(0.01
271/5	123.5	125.5	2	2	1.0	0.024
271/6	125.5	127.6	2	2	0.31	(0.01
271/7	127.6	129.5	2	2	2.10	0.043
271/8	129.5	131.5	2	2	1.80	0.039
271/9	131.5	133.5	2	2	6.0	0.147
271/10	133.5	135.5	2	2	3.20	0.063
271/11	135.5	137.5	2	2	2.20	0.047
271/12	137.5	139.5	2.0	2.0	1.32	0.034
271/13	139.5	141.5	2	2	0.13	(0.01
271/14	141.5	143.5	2	2	0.39	(0.01
271/15	143.5	145.5	2.	2	0.48	(0.01
271/16	145.5	147.5	2	2	0.40	(0.01
271/17	147.5	149.5	2	2	0.71	0.015

E HORNFELS/ NE HORNFELS 0-27'	BIOTITE/PYROXENE HORNFELS - banded fine grained green and grey rock. Calcite filled joints with minor pyrite. Aplite from 15.25' to 15.5'. Minor calcite and quartz veins associated with the pyroxene bands.	Joints at 10°, 20° & 60°
E/GRANITE 35.5'	APLITE - grey mottled rock, fine to medium grained with chilled margins. Rock is open jointed, contact with sediments is at 20° to 30°. Biotite hornfels from 32' - 34'	Joints at 60° & 70°
TE HORNFELS - 65.0'	BIOTITE HORNFELS, some pyroxene bands in a fine grained grey rock. Core is highly broken with much loss. Minor aplite at 61'.	
E 65' - 70.5'	APLITE - fine grained pinkish rock with open jointing	Joints at 60° & 10°.
TE HORNFELS -115'	BIOTITE HORNFELS, fine grained greenish grey rock highly jointed and fractured with some actinolite bands. Joints both open and tight being calcite and pyrite filled. At 93' a chlorite filled joint at 90° occurs.	Joints at 60° & 80°
ENE GARNET ELS - 115'-	PYROXENE GARNET HORNFELS, a variable rock consisting of a fine grained black or green groundmass with coarse ovoids of calcite and garnet. From 115' to 116' there is Pyroxene Hornfels. Scheelite occurs as coarse crystals in both veins and ovoids.	
T HORNFELS - 156'	GARNET HORNFELS, fine to coarse grained rock with dark brown andradite garnet. Good disseminated scheelite throughout this zone with some high grade patches.	

					WO_3	Mo
271/18	149.5	151.5	2	2	0.50	(0.01
271/19	151.5	153.5	2	2	0.12	(0.01
271/20	153.5	155.5	2	2	0.59	(0.01
271/21	155.5	157.5	2	2	0.12	(0.01
271/22	157.5	159.5	2	2	0.13	(0.01
271/23	159.5	161.5	2	2	0.18	(0.01
271/24	161.5	163.5	2	2	0.15	(0.01
271/40	163.5	165.5	2	2	0.06	0.010
271/41	165.5	168.0	2.5	2.5	0.06	0.022
271/25	168	170	2	2	0.33	(0.01
271/26	170	172	2	2	0.12	(0.01
271/27	172	174	2	2	0.27	(0.01
271/28	174	176	2	2	0.38	(0.01
271/29	176	178	2	2	0.16	(0.01
271/30	178	180	2	2	0.05	(0.01
271/31	180	182	2	2	0.07	(0.01
271/32	182	184	2	2	0.37	0.009
271/33	184	186	2	2	0.62	0.009
271/34	186	188	2	2	0.07	(0.01
271/35	188	190	2	2	0.07	(0.01
271/36	190	192	2	2	0.06	(0.01
271/37	192	194	2	2	0.08	(0.01
271/38	194	196	2	2	0.12	(0.01
271/39	196	198	2	2	0.09	(0.01
	198	199				
	199	207				
	207	213				
	214.5	218	3.5	2		
	214.5	228	13.5	12		
	228	247.5				
	262.5	267.5	5	2		

ROXENE HORNFELS-
OTITE HORNFELS
8' - 171.5'

PYROXENE/BIOTITE HORNFELS - broadly banded rock with fine to medium grained green pyroxene rock containing minor garnet and scheelite. From 158' to 164' black fine grained hornfels from 164' to 168' banded pyroxene, calcite, garnet rock with fine scheelite from 168' to 171.5'.

RNET/PYROXENE/
OTITE HORNFELS
.5 - 194'

GARNET/PYROXENE/BIOTITE HORNFELS - variable rock containing abundant scheelite as disseminated grains in the garnet and pyroxene bands. From 190' to 194' there are veins of blue fluorescent scheelite.

ROXENE/BIOTITE
NFELS
4' - 199'

PYROXENE/BIOTITE HORNFELS - a banded rock with minor bands of calcite and grossular garnet.

ECCIA 199'-207'

BRECCIA, fragments of biotite and pyroxene hornfels, volcanics, etc, in a matrix of calcite and chlorite. Pyrite is abundant.
201' - 202.5' Aplite

CITE HORNFELS
7' - 213'

CALCITE HORNFELS - medium grained grey rock.

ROXENE HORNFELS
3' - 214.5'

PYROXENE HORNFELS - minor calcite, the rock is brecciated and broken.

CANICS
.5 - 228

VOLCANICS, fine grained spotted green rock.

ANITE 228' -
247.5'

GRANITE, fine to coarse grained granite, highly altered and sheared.

ARTZITE
7.5 - 400'

QUARTZITE, fine grained grey rock with minor aplite gands. The rock is highly jointed, Joints at 20° & 70°

308	319	11	8
319	324	5	4

fractured and broken. Joints are open and often calcite filled. Aplite from 271' - 271.25' 335' - 336', 353' - 355', 393' - 394'.

EOH 400'

1

271

Reassay Sept '72.

N. R. Kinnane

271/1	115.5'	117.5'	2'	0.23 (0.21)	<0.01	0.46	
/2	117.5'	119.5'	2'	0.18 (0.17)	<0.01	0.36	
/3	119.5'	121.5'	2'	0.19 (0.18)	<0.01	0.38	
/4	121.5' (37.0)	123.5'	2'	0.62 (0.66)	<0.01	1.24	
/5	123.5' (37.6)	125.5'	2'	1.00 (1.04)	0.024	2.00	
/6	125.5' (38.2)	127.5'	2'	0.31 (0.25)	<0.01	0.62	
/7	127.5' (38.9)	129.5'	2'	2.10 (2.63)	0.043	4.20	
/8	129.5' (39.5)	131.5'	2'	1.80 (2.20)	0.039	3.60	
/9	131.5' (40.1)	133.5'	2'	6.00 (6.34)	0.147	12.00	
/10	133.5' (40.7)	135.5'	2'	3.20 (3.36)	0.063	6.40	
/11	135.5' (41.3)	137.5'	2'	2.20 (2.13)	0.047	4.40	34.0' at 1.30% WO_3
/12	137.5' (41.9)	139.5'	2'	1.52	0.034	3.04	
/13	139.5' (42.5)	141.5'	2'	0.13	<0.01	0.26	
/14	141.5' (43.1)	143.5'	2'	0.39	<0.01	0.78	10.4 m @ 1.38 %
/15	143.5' (43.7)	145.5'	2'	0.48	<0.01	0.96	
/16	145.5' (44.3)	147.5'	2'	0.40	<0.01	0.80	
/17	147.5' (45.0)	149.5'	2'	0.71	0.015	1.42	
/18	149.5' (45.6)	151.5'	2'	0.50	<0.01	1.00	
/19	151.5' (46.2)	153.5'	2'	0.12	<0.01	0.24	
/20	153.5' (46.8)	155.5'	2'	0.59	<0.01	1.18	
/21	155.5' (47.4)	157.5'	2'	0.12	<0.01	0.24	
/22	157.5'	159.5'	2'	0.13	<0.01	0.26	
/23	159.5'	161.5'	2'	0.18	<0.01	0.36	
/24	161.5'	163.5'	2'	0.15	<0.01	0.30	
/40	163.5'	165.5'	2'	0.06	<0.01	0.12	
/41	165.5'	168.0'	2.5'	0.06	<0.02	0.12	
/25	168.0' (51.2)	170.0'	2'	0.33	<0.01	0.66	
/26	170' (51.8)	172'	2'	0.12	<0.01	0.24	
/27	172' (52.4)	174'	2'	0.27	<0.01	0.54	18' at 0.26% WO_3
/28	174' (53.0)	176'	2'	0.38	<0.01	0.76	
/29	176' (53.6)	178'	2'	0.16	<0.01	0.32	
/30	178' (54.2)	180'	2'	0.05	<0.01	0.10	
/31	180' (54.9)	182'	2'	0.07	<0.01	0.14	
/32	182' (55.5)	184'	2'	0.37	0.009	0.74	1.2 m @ 0.50
/33	184' (56.1)	186'	2'	0.62	0.001	1.24	
/34	186' (56.7)	188'	2'	0.07	<0.01	0.14	
/35	188' (57.3)	190'	2'	0.07	<0.01	0.14	

DIAMOND DRILL HOLE 271

Logged By: N. R. Kinnane

	FOOTAGES			ASSAY			REMARKS
	From	To	Length	WO_3	Mo		
/36	190'57.91	192'	2'	0.06	<0.01	0.12	
/37	192'58.52	194'	2'	0.08	<0.01	0.16	
/38	194'59.15	196'	2'	0.12	<0.01	0.24	
/39	196'59.7	198'60.3	2'	0.09	<0.01	0.18	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 271 (Reassays Sept. 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
B 1207	115.5	117.5		0.21	0.21		
8	117.5	119.5		0.17			
9	119.5	121.5		0.18			
10	121.5	123.5	2.0	0.66			
1	123.5	125.5	3.0	1.04			
2	125.5	127.5	2.0	0.25			
3	127.5	129.5	2.0	2.63			
4	129.5	131.5	2.0	2.20			16' at ~~2.36%~~ WO_3 2.33%
5	131.5	133.5	2.0	~~6.43~~ 6.34			
6	133.5	135.5	2.0	3.36			
B 0217	135.5	137.5	2.0	2.13	2.13		

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD DATE: 19/6/69

HOLE No. 271 LOCATION No. 1 Ore Body - Line 9

DEPTH	TIMES			DIP	BRG.	REMARKS
	SET	OFF	PULLED			
400'	1.15	-	1.55	69°	040°	
200'	2.20	-	2.55	67°	010°	

DDH 271
1:500

564,100N

564,050N

219,720E

DDH 271

RL = 0·72m

67·5°

bh/ph

qp

bh

Δ zone?

qp

bh

Δ zone?

Ph

bh

ISG SECTION
LOOKING E.

SECTION IN
PLANE OF HOLE

– 50m RL

– 100m RL

DIAMOND DRILL CORE LOG SHEET

HOLE No. 260

Location Eastern Mineralisation — Elevation 5.48' + 10.8' 16-29

Final Depth 252.75' (77m) — Co-Ords. 1991.57E, 290.19N

Dip Vertical — Bearing -

Date Commenced 17/3/69 — Date Completed 26/4/69

Logged: N. R. Kinnane

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	87'			No core		
87' (26.5 m)	252.75' (77.0m)	165.75'	98.75'	Quartzite/Shale - fine grained grey rock, highly broken and fractured.		

87' to 145' 38' Lost Core
145' to 172' 7' Lost Core
192' to 224' 12' Lost Core
224' to 259' 10' Lost Core

HOLE ABANDONED AT 252.75 FEET

I.S.G. Co-ordinates: 220, 262.4 E
564, 209.4 N
R.L. = 5.0m.

DIAMOND DRILL CORE LOG SHEET

HOLE No. 259

Location: Section 9N - Eastern Mineralisation

Elevation: 4.75' + 10.81 15.56 4.74m.

Final Depth: 134.5' (41m.)

Co-Ords.: 187.71N, 2090.87E

Dip: Vertical

Bearing: -

Hole Commenced: 27/1/69

Date Completed: 20/2/69

Logged: N. R. Kinnane

Footage From	Footage To	Length Rem.	Length Rec.	Description	Assay WO_3	Assay Mo
0	50'			No core		
50' 15.2m	134.5' 41.0m	84.5'	40.5'	**Biotite Hornfels** - fine grained grey rock, highly fractured and broken. Much core loss. 50' to 100' 30' Lost Core 100' to 134' 14' " " Caved material from the sides of the hole is common throughout the length of the core. **HOLE ABANDONED AT 134.5 FEET**		

I.S.G. Co-ordinates: 220,287·8 E
564,174·1 N
R.L. = 4·7m.

KING ISLAND SCHEELITE (1967) LIMITED

DIAMOND DRILL CORE LOG SHEETS

I.S.G. Co-ords: 220,222·7 E / 564,216.1 N.
R.L. = 4·7m

Hole No.....258.....

Location ....EASTERN MINERALIZATION - SECTION 6N

Elevation.....4.64 + 10.81 = 15.45 (4.7m)

Final Depth.....599.....(176.5m)

Co-Ords...293.23E, 1859.59N....

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

Bearing.....

Date Commenced .....19.2.'69.....

Date Completed....13.3.'69.....

LOGGED M. R. KINSMAN

Footage From	Footage To	Length Run / Rec.	Description	Assays WO_3
0	65'		NP Core	
65' (19.8m)	100' (30.5m)	35' 34'	Biotite Hornfels:- Highly fractured and broken rock with little core loss. Pyrite is abundant Brecciation from 78' to 91'	
			90' to 100' 1' lost core	
			Fault at 82-83' - clayey, rubbly, broken, ratshit core!	
100'	350' (106.7m)	250' 227.5'	Quartzite Biotite Hornfels:- Fine to medium grained grey rock, highly broken.	
			110' to 118' 2' lost core	
			118' to 121' 1' lost core	
			121' to 128' 1.5' lost core	
			128' to 131' 0.5' lost core	
			131' to 133' 1' lost core	
			133' to 143' 2' lost core	
			180' to 186' 3' lost core	
			186' to 200' 8' lost core	
			200' to 202' 1.5' lost core	
			229' to 232' 2' lost core	
350'	485' (147.8m)	135' 130'	Biotite Hornfels Shale Quartzite:- Fine to medium grained grey rock	
			420' to 425' 1' lost core	
			425' to 456' 2' lost core	
			465' to 474' 2' lost core	
			Pathes of Biotite Hornfels often highly sheared.	

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

HOLE No. 258

Footage			Description	Assay
From	To	Length		WO_3
485'	500' (152.4m)	15'	Biotite Hornfels:- Fine grained grey to black rock.	
500'	553' (168.6m)	53'	Quartzite:- Fine to medium grained grey rock.	
553'	565' (172.2m)	12'	Biotite Hornfels:- With bands of Pyroxene.	
565'	579' (176.5m)	14'	Quartzite:- Fine grained grey rock.	
			Hole completed at 579'.	

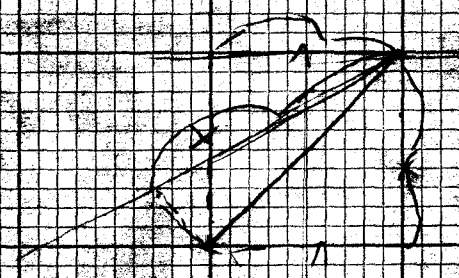
DDH-251

DDH 251

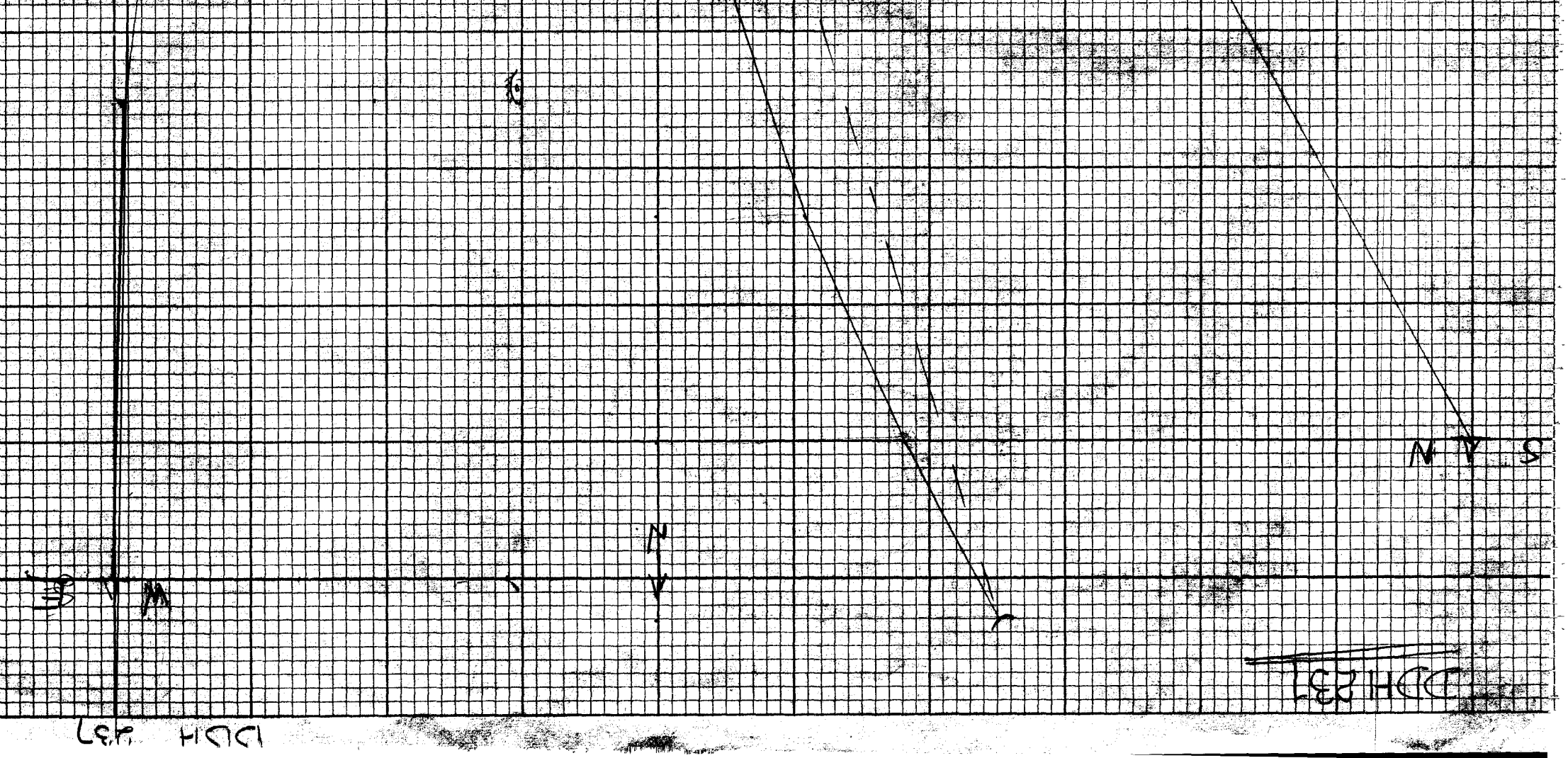
DDH 261

PROJECTION TO N S SECTION

Projection on to E W Section



PLAN VIEW
SCALE 1"=30'


N
W
S
LEFT HAND

PLAN VIEW
SCALE 1"=30'

PROJECTION TO [redacted] SECTION
SCALE 1"=50'

PROJECTION TO [redacted] SECTION
SCALE 1"=50'

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET — Hole No. 235

Location: Shaft Site II — Elevation: +10 Feet (7/10/81) 6.34

Final Depth: 609'9" (185.9 m.) — Co-Ords. 163N, 1415E

Dip: Vertical — Bearing: -

Date Commenced: 8/11/1968 — Date Completed: 18/11/1968

I.S.G. Co-ords: 220,082.9E / 564,196.5N ; R.L. = 6.3 m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	30			No Core		
30 9.1 m	69 21.0 m			Quartzite, fine grained grey white rock spotted in part with abundant pyrite. Core badly broken but no core loss. Quartz veins cut the rock in places. Biotite Hornfels - 63' to 64' 46.5' to 51.75' 3' Lost Core. 66' to 66'4" Aplite		
69	72'6" 22.1 m			Biotite Hornfels, fine grained black rock, banded in part and rich in sulphides.		
72'6"	134 40.8 m			Breccia, rubbly core consisting of fragments of quartzite and hornfels. Lost Core 72'6" to 81'6" 6' L.Core 92'6" to 95'9" 1' L.Core 85'6" to 91'6" 3'6" L. Core 105'3" to 113'6" 6' L.Core 113'6" to 116'6" 2' L.Core		
134	184 56.1 m			Biotite Hornfels - quartzite, variable banded rock, highly fractured and jointed with some pyrite. 135' Aplite for 4". Quartz veins commonly cut the rock. 171' - 184' Core brecciated with calcite and pyrite filling.		
184	188 57.3 m			Quartzite - fine grained, grey-green rock with abundant broken core.		
188	190 57.9 m			Biotite Hornfels, spotted black-brey rock, fractured and broken.		
190	227 69.2 m			Quartzite - fine grained, grey-green rock, spotted in part with biotite rich bands at 221' and 208'.		
227	243 74.1 m			Biotite Hornfels - fine grained grey-black spotted rock rich in sulphide pyrite and arsenopyrite. (35° to core axis-bedding) Sulphide rich veins at 236'.		
243	255 77.7 m			Breccia - broken and rubbly core with little loss.		
255	260.5 79.4 m			Biotite Hornfels, fine grained grey-black rock. Core broken and veined by pyrite.		
260.5	302 92.0 m			Quartzite - fine grained grey rock with biotite rich bands. 265.25' to 269' 9" Lost Core 286 to 295 Biotite Hornfels 300' Pyrite filled vein.		
302	330 100.6 m			Banded Biotite Hornfels/Quartzite-Core broken with no loss. Biotite rich bands occur in a fine grained grey quartzite.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 235

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
330	384 117.0 m			Quartzite, cream white fine grained rock with some pyrite. 346' to 348' - spotted biotite hornfels. 374' to 381' - Breccia.		
384	397 121.0 m			Biotite Hornfels - spotted and banded fine grained rock with minor pyroxene at 396.5'.		
397	442 134.7 m			Quartzite - fine grained grey to cream rock with abundant pyrite and biotite bands.		
442	449.75 137.1 m			Biotite Hornfels - fine grained grey black rock broken with abundant pyrite.		
449.75	466 142.0 m			Quartzite - fine grained grey biotite rich rock.		
466	544 165.8 m			Breccia - puggy clay with quartzite fragments.		
544	609.75 185.9 m			Quartzite - fine grained grey biotite quartzite and cream quartzite. 548' to 554' some pyroxene. Rock broken and fractured. HOLE COMPLETED AT 609'9"		

GEOPAKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 232

Location Shaft Location I — Elevation +10 Feet 1/0.81 = 20.81. 6.3m

Final Depth 693 Feet (211.2m) — Co-Ords. 237N, 1457E

Dip Vertical — Bearing +=

Date Commenced 22/10/1968 — Date Completed 7/11/1968

I.S.G. Co-ords: 220,098.8 E / 564,216.9 N ; R.L. = 6.3 m.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	60'			No Core		
60' 18.3m	86' 26.2m			Biotite Hornfels - fine grained, grey black rock with much pyrite. Rock mottled and spotted. Core broken and brecciated.		
86	225 68.6m			Biotite Hornfels - fine grained grey black rock spotted in part and rich in pyrite. Broken corebut not brecciated. 102' - 106' Breccia - clay with broken and rubbly quartzite and biotite hornfels. 31.1m 185' to 194' 4' Lost Core Core more solid at 212'. (Bedding - 65° to core axis at 220') Quartzite 221' to 225'.		
225	340 103.6m			Breccia - fragments of biotite hornfels and quartzite. Abundant calcite and pyrite. 256' to 295' No Core 316' to 320' 9" Lost Core 320' to 328' 2' Lost Core.		
340	353 107.6m			Quartzite - fine grained cream grey rock, broken and fractured.		
353	384 117.0m			Pyroxene Hornfels - some biotite with much sulphide - greem medium grained spotted and banded rock. 357' scheelite mineralisation. SAMPLED 376.5' to 381'	0.16	
				381' to 384.5'	0.06	
384	402 122.5m			Pyroxene/Biotite Hornfels - a banded rock with minor disseminated scheelite. SAMPLED 384.5' to 388'	0.27	0.002
				388' to 391'	0.08	0.004
				391' to 394'	0.08	0.009
				394' to 398'	0.02	0.005
				398' to 401.75	5.46	0.10
402	421 128.3m			Biotite Quartzite - fine grained grey rock rich in pyrite and arsenopyrite.		
421	424 129.2m			Breccia - quartzite fragments.		
424	570 173.7m			Quartzite - fine grained cream grey rock with biotite hornfels bands. 436' to 439' Sheared and fractured 433' to 435' Broken Core 495' to 505' 5' Lost Core		
570	585 178.3m			Breccia - fragments of biotite hornfels and quartzite.		
585	682 207.9m			Quartzite - fine grained grey and cream rock, fractured and rubbly in part.		
682	693 211.2m			Granite - Aplite - fine grained cream to pink aplite. ~~HOLE COMPLETED AT 693 FEET~~		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 232

Location Shaft Location I Elevation +10 Feet M.S.L. = 20.81

Final Depth 693 Feet (211.2m) Co-Ords. 237N, 1457E

Dip Vertical Bearing -

Date Commenced 22/10/1968 Date Completed 7/11/1968

Footage From	Footage To	Length Ft.	Length Rec.	Description	Assay WO_3	Assay Mo
0	60'			No Core		
60' (18.3m)	86' (26.2m)			Biotite Hornfels - fine grained, grey black rock with much pyrite. Rock mottled and spotted. Core broken and brecciated.		
86	225 (68.6m)			Biotite Hornfels - fine grained grey black rock spotted in part and rich in pyrite. Broken corebut not brecciated. 102' - 106' Breccia - clay with broken and rubbly quartzite and biotite hornfels. 185' to 194' 4' Lost Core Core more solid at 212'. Quartzite 221' to 225'.		
225	340 (103.6m)			Breccia - fragments of biotite hornfels and quartzite. Abundant calcite and pyrite. 256' to 295' No Core 316' to 320' 9" Lost Core 320' to 328' 2' Lost Core		
340	353 (107.6m)			Quartzite - fine grained cream grey rock, broken and fractured.		
353	384 (117.0m)			Pyroxene Hornfels - some biotite with much sulphide - greem medium grained spotted and banded rock. - 357' scheelite mineralisation. SAMPLED 376.5' to 381'	0.16	
				381' to 384.5'	0.06	
384	402 (122.5m)			Pyroxene/Biotite Hornfels - a banded rock with minor disseminated scheelite. SAMPLED 384.5' to 388'	0.27	0.002
				388' to 391'	0.08	0.004
				391' to 394'	0.08	0.009
				394' to 398'	0.02	0.005
				398' to 401.75	5.46	0.108
402	421 (128.3m)			Biotite Quartzite - fine grained grey rock rich in pyrite and arsenopyrite.		
421	424 (129.2m)			Breccia - quartzite fragments.		
424	570 (173.7m)			Quartzite - fine grained cream grey rock with biotite hornfels bands. 436' to 439' Sheared and fractured 433' to 435' Broken Core 495' to 505' 5' Lost Core		
570	585 (178.3m)			Breccia - fragments of biotite hornfels and quartzite.		
585	682 (207.9m)			Quartzite - fine grained grey and cream rock, fractured and rubbly in part.		
682	693 (211.2m)			Granite - Aplite - fine grained cream to pink aplite. HOLE COMPLETED AT 693 FEET		

DIAMOND DRILL HOLE 232

Logged By:

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	U X A	REMARKS
A1199	353.0 107.6	355.0	2.0	0.11	0.022	0.22	
A1200	355.0 108.2	357.0	2.0	0.15	0.015	0.30	
A1201	357.0 108.8	359.0	2.0	0.08	0.016	0.16	
A1202	359.0 109.4	361.0	2.0	0.11	0.024		
232/1	376.5 114.8	381.0	4.5	0.16	0.003		
/2	381.0 116.1	384.5	3.5	0.06	0.007		
/3	384.5 117.2	388.0	3.5	0.27	0.005	0.94	) 0.27 / 3.5'
/4	388.0 118.3	391.0	3.0	0.08	0.004		
/5	391.0 119.2	394.0	3.0	0.07	0.008		
/6	394.0 120.1	398.0	4.0	0.03	0.005		
/7	398.0 121.3	401.75	3.75	5.43	0.103	20.36	) 5.43 / 3.75'
A1197	401.75 122.5	403.75	2.0	0.12	0.028		
A1198	403.75 123.1	405.75	2.0	0.13	0.027		
	124.1 123.7						

5.4.

10 Level - Ramp (O/C)

374 Feet

-70°

6/7/1968

10.4 Feet
99589.8
410.25S, 341.59E
315°

I.S.G. Co-ords: 219,884.7E / 564,048.9 N. R.L. = 9.2m

0	49	49	21	Volcanics - Medium grained grey rock- fairly broken core. Aplite dyke 41 to 42' Breccia at 40 to 41'
49	108'	59	46	Biotite Hornfels with some Actinolite Hornfels bands. Aplite bands at 50'6" - 54' 91' - 92'3" Calcite stringers and pyrite abundant some rubbly patches.
108'	136	28	23'9"	Biotite Actinolite Hornfels with some Biotite Hornfels. Calcite stringers. Brecciated and broken core 119' to 123'. Pyroxene band with grossular garnet at 129' to 130'6". Brecciated and broken 131'6" to 132'3".
136	156'6"	20'6"	11'3"	Brecciated and Puggy Biotite Hornfels Calcite stringers and fillings. Minor Pyroxene Hornfels bands. Aplite 155' to 156'.
156'6"	198	41.5	30	Actinolite Hornfels with some Biotite Actinolite Hornfels. Pyroxene Hornfels band at 163' to 163'6" with minor scheelite. Some pyrite in fractures, core badly broken between 164' and 183'. Pyroxene Hornfels from 183.5' to 184.5'.
198'	212'	14	5'9"	Pyroxene Garnet Hornfels- very minor scheelite - sand only between 200' and 205' with a little scheelite. Possible faultzone. Core lost also much grinding 205' to 212'. Scheelite ~ 0.3%.
12	223	11	9	Garnet Pyroxene Hornfels and some garnet hornfels. A little scheelite ~0.3%. Core lost between 220' and 223'.
13	227	4	4	Pyroxene Garnet Hornfels minor scheelite ~ 0.2% with some garnet pyroxene hornfels bands.
17	241'3"	14'3"	13'6"	Garnet Pyroxene Hornfels with some garnet hornfels bands and calcite patches. Scattered patches of coarse scheelite 0.3 to 0.4%.
1'3"	245'6"	4'3"	4'3"	Aplite with some minor scheelite.
5'6"	256'	10'6"	10'6"	Garnet Hornfels with some garnet pyroxene Hornfels. Calcite patches. ~ 0.5% scheelite. Puggy and Brecciated, Fault 246' to 247'.
6	292	36	35	Garnet Pyroxene Hornfels with bands of Garnet Hornfels and Pyroxene Hornfels. Patches of Calcite fair scheelite overall ~ 0.5%

292	345	53	53	Thinly bedded Biotite Hornfels/ Pyroxene Hornfels, some patches of grossular garnet with sparse scheelite. Some Biotite bands. Core angle about 75°. Some broken core. Biotite Hornfels band 311' to 316'. Scheelite in grossular garnet bands. Biotite Hornfels bands increasing towards the bottom. Scheelite down to 340'.
345'	354'	9'	9'	Calcite Hornfels - some pyroxene hornfels bands. Aplite at 348'9" to 350'. Minor scheelite noted.
354	373	19	9	Older Volcanics - Calcite veinlets - some serpentinisation especially along fractures - Pyrite noted.
373	374	1	1	Biotite Hornfels
				HOLE COMPLETED AT 374 FEET

DIAMOND DRILL HOLE 219

Logged By:

SAMPLE	FOOTAGES			ASSAY		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	200'	205'	5.0'	0.12		0.60	
	205'	212'	7.0'	0.16		1.12	
	212'	214.2'	2.2'	0.40		0.88	2.2' at 0.40% WO_3
	214.2'	220'	5.8'	0.06		-	
	220'	223'	3.0'	0.05		0.15	
	223'	227.7'	4.6'	0.06		-	
	227.7'	233.0'	5.4'	0.05		-	
	233'	235.75'	2.75'	0.16		0.44	
	235.75'	238'	2.25'	0.16		0.36	3.25' at
	238'	241.25'	3.25'	0.36		1.17	3.25' at 0.36% HWC LENS
	241.25'	245.5'	4.25'	0.04		0.17	
	245.5'	246.5'	1.0'	0.03		0.03	
	246.5' 75.1	250'	3.5'	2.02		7.07	FW CLENS
	250' 76.2	253.5'	3.5'	0.19		0.67	
	253.5' 77.3	256'	2.5'	0.63		1.58	
	256' 78.0	257'	1.0'	0.13		0.13	43.75' at
	257' 78.3	258'	1.0'	0.61		0.61	0.67% WO_3
	258' 78.6	264'	6.0'	0.82		4.92	
	264' 80.5	267'	3.0'	0.80		2.40	13.3m, 0.67%
	267' 81.4	271'	4.0'	0.68		2.72	
	271' 82.6	272.75'	1.75'	0.16		0.28	
	272.75' 83.0	275.5'	2.75'	0.85		2.34	
	275.5' 84.0	279.75'	4.25'	0.16		0.68	
	279.75' 85.3	282'	2.25'	0.59		1.33	
	282' 85.9	286.5'	4.5'	0.49		2.21	
	286.5' 87.3	290.25'	3.75'	0.59		2.21	
	290.25' 88.5	292.0'	1.75'	0.05		0.09	
	292.0'	294.0'	2.0'	0.04		0.08'	

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD DATE: 25/7/68

HOLE No. 219 LOCATION No. 1 Orebody - Line 4S + 2

DEPTH	TIMES			DIP	BRG.	REMARKS
	SET	OFF	PULLED			
100'	8.35 am	8.50	8.55	66°	316°	
200'	9.35 am	9.55	10.00	65°	311°	
350'	10.35am	11.05	11.15	64°	309°	

DDH 219

1:500

COLLAR

+ 9.4' + 10.81' = 9.2m RL

DDH 219 WAS SURVEYED
BUT RESULTS NOT FOUND
DEFLECTION ASSUMED FROM
PLAN ON DH LOCATION PLAN.

TP.

219.950 E

564.050 N

354.050 N

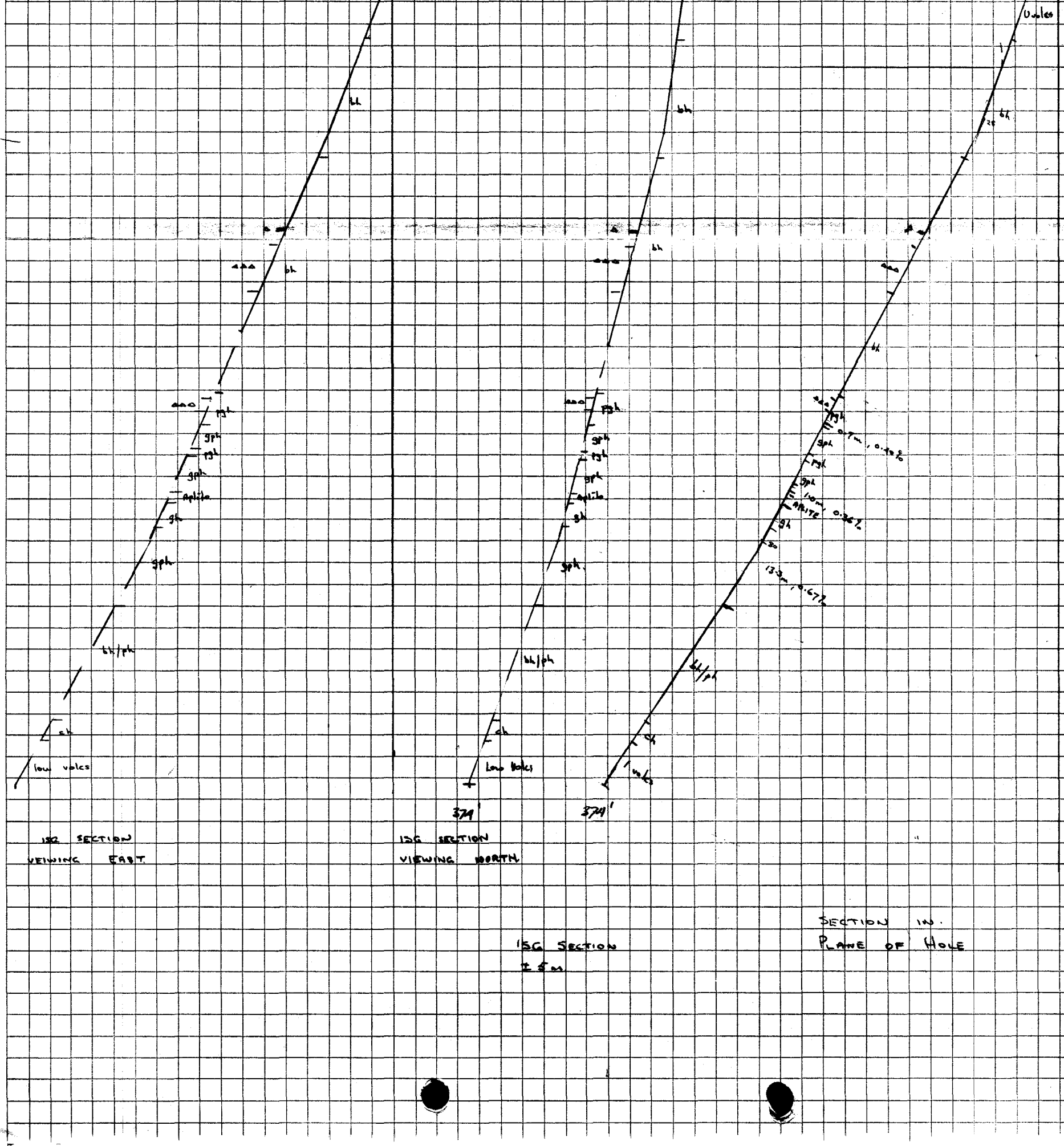
DDH 219

-5

+5

25

70°



ISG SECTION
VIEWING EAST

ISG SECTION
VIEWING NORTH

ISG SECTION
1:5m

SECTION IN.
PLANE OF HOLE

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. D 216

PLANNING

PROPOSER: DEPTH:

LOCATION: Section 20, Western End of Open Cut

PURPOSE OF HOLE:

PROPOSED CO-ORDS: E N

INCLINATION:

BEARING: °GRID °MAG

TARGET: E N

DEPTH: 96.6 m

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: E N

R.L. OF COLLAR:

INCLINATION OF HOLE:

PICKED UP BY: DATE:

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 96.6 m

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. D 216

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 12.8 m	12.8	0.0	0
12.8 - 17.1	4.3	2.3	74.4
17.1 - 18.0	0.9	0.6	66.7
18.0 - 19.7	1.7	1.1	64.7
19.7 - 20.3	0.6	0.5	75
20.3 - 21.6	1.3	0.8	58.6
21.6 - 26.1	4.5	3.4	75.6
26.1 - 31.1	5.0	2.7	53.3
31.1 - 35.1	4.0	4.0	100
25.1 - 37.2	2.1	2.1	100
37.2 - 49.4	12.2	11.9	97.4
49.4 - 51.2	1.8	1.8	100
51.2 - 52.1	0.9	0.8	88.9
52.1 - 70.0	17.8	17.2	96.7
70.0 - 71.5	1.5	1.1	71.1
71.5 - 96.6	25.1	13.6	54.0
EOH 96.6 m			

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. D 216

0.0	-	12.8 m	Sand and clay.
12.8	-	17.0	Top 6" of weathered Brown clayey rock - some remnant Garnets - Mainly Biotite Actinolite Hornfels and some actinolite hornfels possible pyroxene hornfels and minor bands of volcanics @ 42 and 44' approximately Banded. Broken.
17.0	-	18.0	APLITE
18.0	-	19.7	BIOTITE ACTINOLITE HORNFELS Thinly Banded Biotite Actinolite Hornfels containing pyroxene Hornfels bedding about 70° to LAOC. Bands of fine grained volcanics.
19.7	-	20.3	APLITE
20.3	-	21.6	BIOTITE ACTINOLITE HORNFELS Banded Biotite Actinolite Hornfels containing pyroxene hornfels - thinly bedded - bedding anlge to core varies - approximately 70° microfaulting noted - broken core.
21.6	-	26.1	APLITE Some grinding of core - core lost 23.9 -24.2 m. Biotite Actinolite Hornfels band @ 23.0 - 23.2 m.
26.1	-	31.1	BIOTITE ACTINOLITE HORNFELS Banded Biotite Actinolite Hornfels containing pyroxene hornfels, volcanics and some biotite hornfels some core grinding bands - broken core 29.0 - 30.5 also 1" lost between 30.8 - 31.1 - bedding @ 50° - 60° to L of core.
31.1	-	35.1	Thinly bedded Biotite Actinolite Hornfels containing pyroxene hornfels and some biotite hornfels and Actinolite hornfels Grossular garnet and calcite @ 32.0 to 32.2 - few fine grained flakes scheelite @ 32.2 and approximately 29.0 m. Bedding to core approximately 65° some pyrite throughout. Microfaulting @ 34.4 - Narrow bands of Grossular garnet at 32.9 - 31.7 m.
35.1	-	37.2	OLDER VOLCANICS Doleritic texture - containing thin calcite veinlets randomly oriented.

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. D 216

37.2	-	49.4	Thinly bedded Biotite Actinolite Hornfels containing pyroxene hornfels and some bands of garnet and calcite e.g. @ 37.5m, 38.4 m, 39.2 m, 39.9 m, 45.6 m, 48.5 m, 48.6 m, 46.9 m. Flouresence @ 38. 3, 39.9 m. between 48.5 - 48.6, 2" aplite bands @ 45.6; 47.5 47.7 aplite also @ 48.8 to 69.1. Minor bands of Biotite Hornfels 6" to 1' 0" wide also microfaulting noted.
49.4	-	51.2	OLDER VOLCANICS Thin calcite veinlets 1/8 " wide narrow aplite ½" @ 50.4 m.
51.2	-	52.1	APLITE Very broken core - grinding evident.
52.1	-	70.0	VOLCANICS Doleritic texture dominant - calcite stringers - some broken patches of core - also some grinding Serpentinization @ 57.6. Pyrite
70.0	-	71.5	FAULT ZONE Brecciated and Puggy Volcanics and some Quartizites
71.5	-	96.6	QUARTZITES Dark grey fine grained Biotite Quartzite. Broken core - some leaching of sulphides evident. Aplite bands @ 72.1 - 73.2, 73.8 - 73.9, 75.4 - 75.6, 77.3 - 78.0, 86.9 88.4, 95.1 - 96.0 m.

Completed at 96.6 m

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 215

Location Section Line 14N - Beach

Elevation Not recorded. Say 1454m

Final Depth 895 Feet (272.8 m)

Co-Ords. 728.43N, 2252.76E

Dip Vertical

Bearing

Date Commenced 9/3/1968

Date Completed

I.S.G. Co-ords: 220,360.5 E / 564,330.0 N. R.L. = ~4.5 m.

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
0	178			Sand & Rubble - No Core		
178	895			Volcanics - Brecciated and badly broken - recovery fairly poor - sections with lost core.		
54.3m	272.8m			Mainly green to grey fine grained to medium grained - numerous calcite stringers. Some minor pale green (apple green) bands with Volcanic inclusions, e.g. 465' - 467' and 510' - 512'. Possible Serpentinization ? Slickensides on shears noted. Some Dolerite bands.		
				HOLE COMPLETED AT 895 FEET		

DDH 015

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
200	200	4°	0.9976 0.0698	0.0699	199.520	199.520	13.980	N 73° W	0.2924 0.9563
400	200	4°	0.9976 0.0698	0.0699	199.520	399.040	13.980	N 79° W	0.1908 0.9816
600	200	4°	0.9976 0.0698	0.0699	199.520	598.560	13.980	N 86° W	0.0698 0.9976
800	200	4°	0.9976 0.0698	0.0699	199.520	798.080	13.980	N 85° W	0.0872 0.9962

215.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13		14		15		16	
Contangent Tangent	Deflection	Co-ordinate Difference				Rectangular Difference			
		N	S	E	W	N	S	E	W
0.3057	13.980	4.088			13.369	4.088			13.369
0.1944	27.960	2.677			13.723	6.765			27.092
0.0699	41.940	0.976			13.946	7.741			41.638
0.0875	55.920	1.219			13.929	8.960			54.967

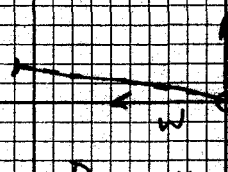
GEOPEKO LIMITED

BORE HOLE SURVEY RECORD — DATE: 31/5/68

HOLE No. 215 — LOCATION Eastern Mineralization

DEPTH	TIMES			DIP	BRG.	REMARKS
	SET	OFF	PULLED			
200'	10.18	10.38	10.45	86°	287°	
400'	11.00	11.35	11.40	86°	281°	
600'	1.05	1.50	1.55	86°	274°	
800'	2.35	3.40	3.45	86°	275°	

DDH 215



PLAN VIEW

1" = 50'

TRUE VERTICAL PROJECTION

1" = 100'

49 +20 Level, (O/C) -19.08
272 Feet 341.25S, 769.39E
9658.8

I.S.G. Co-ords: 219,865.9 E / 564,072.9 N R.L. = - 2.5 m

0	18'	5.5	Pyroxene Hornfels, greenish pyroxene hornfels, fault breccia at 1'. Some narrow calcite stringers throughout with weak scheelite mineralisation.
18'	39'	11.9	Hybrid Rock, finely grained, banded Ah/Bh with Ph. 18' - 23' mainly Ah 23' - 25' Mainly Bh grading down into Ph 28.5' to 36' mainly Ph with some garnets - grossularite.
39	89	27.1	Biotite Actinolite Hornfels, fine grained, black, massive rock with a few narrow Ph bands. 87' to 89' broken core.
89'	107.5'	32.8	Actinolite Hornfels, finely grained, massive, hard, grey rock. 93' to 94' (28.3 - 28.7) weak fault breccia.
107.5'	147'	44.8	Pyroxene Garnet Hornfels, fine grained Ph ground mass with garnet inclusions surrounded by reaction rims of pyroxene. 113' - 118' a Gph type rock with weak scheelite mineralisation. Some mineralisation from the Pgh. Grades into Ph at base with occasional Bh bands.
147	169.5'	51.66	Garnet Hornfels, brown-green crystalline Gh withhigh grade disseminated scheelite mineralisation.

SAMPLED

148 to	150.5'	1.96
150.5to	153.5'	1.91
153.5to	157.5'	1.40
157.5to	160	2.37
160 to	164	0.91
164 to	169	0.74
169 to	173.5	0.77
173.5 to	178	0.06
178 to	183	NIL
183 to	187	NIL
187 to	191	0.05
191 to	194.5	0.49
194.5to	199	0.31
199 to	203	0.17
203 to	206	0.30
206 to	209.5	0.11
209.5to	214.5	0.42
214.5to	219.5	0.33
219.5to	222	0.31
222 to	228	0.11
228 to	229.5	3.61
229.5to	234.5	0.24

169.5	173 52.7		Garnet Pyroxene Hornfels, brown-green, thinly banded with disseminated scheelite mineralisation.
173	183 55.8		Hybrid Rock, mainly Ch and Bh with bands of Ph.
183	195.5 59.6		Hybrid Rock, mainly Bh and Ph bands of up to 3' thick.
195.5	234 71.3		Hybrid Rock, mainly Gph with bands of Ph and occasional Bh and Ch bands. Disseminated scheelite mineralisation associated with Gph. Becomes more thinly banded at bottom.
234	240 73.15		Hybrid Rock, mainly Ph with bands of Bh. It appears to grade into volcanics,
240	272 82.9	bl	Older Volcanics, grey-green, mainly massive with patches of biotite.

HOLE COMPLETED AT 272 FEET

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 213

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	31.1						
4868	104.0	106.0	2.0	0.02	<0.01		
	32.3						
4869	106.0	108.0	2.0	0.02	<0.01		
	32.9						
4870	108.0	110.0	2.0	0.12	0.01		
	33.5						
4871	110.0	112.0	2.0	0.16	0.01		
	34.1						
4872	112.0	114.0	2.0	0.48	0.01		
	34.7						
4873	114.0	116.0	2.0	1.43	0.06		
	36.4						
4874	116.0	118.0	2.0	0.83	0.02		
	36.0						
4875	118.0	120.0	2.0	0.18	<0.01		
	36.6						
4876	120.0	122.0	2.0	0.08	0.02		
	37.2						
4877	122.0	124.0	2.0	0.06	<0.01		
	37.8						
4878	124.0	126.0	2.0	0.10	<0.01		
	38.4						
4879	126.0	128.0	2.0	0.06	<0.01		
	39.0						
4880	128.0	130.0	2.0	0.34	<0.01		
	39.6						
4881	130.0	132.0	2.0	0.17	<0.01		
	40.2						
4882	132.0	134.0	2.0	0.08	<0.01		
	40.8						
4883	134.0	136.0	2.0	0.06	<0.01		
	41.4						
4884	136.0	138.0	2.0	0.36	0.01	.72	
	42.1						
4885	138.0	140.0	2.0	0.08	<0.01	.16	
	42.7						
4886	140.0	142.0	2.0	0.05	<0.01	.10	
	43.3						
4887	142.0	144.0	2.0	0.04	<0.01	.08	
	43.9						
4888	144.0	146.0	2.0	0.04	<0.01	.08	
	44.9						
4889	146.0	148.0	2.0	0.05	<0.01	.10	
	45.1						
	148.0	150.5	2.5	1.96	2.60	4.90	
	45.9						
	150.5	153.5	3.0	1.91	2.10	5.73	
	46.8						
	153.5	157.5	4.0	1.40	1.53	5.60	25.5' at 1.29%
	48.8						
	157.5	160.5	2.5	2.37	3.76	5.93	WO_3
	48.9						
	160.5	164.0	4.0	0.91	0.96	3.64	
	50.0						
	164.0	169.0	5.0	0.74	0.62	3.70	
	51.5						
	169.0	173.5	4.5	0.77	0.82	3.47	
	52.9						
	173.5	178.0	4.5	0.06	0.06	0.27	
	54.2						
	178.0	183.0	5.0	-	0.06	-	
	55.8						
	183.0	187.0	4.0	-	0.02	-	
	57.0						
	187.0	191.0	4.0	0.05	0.01	0.20	
	58.2						
	191.0	194.5	3.5	0.49	0.55	1.72	
	59.3						
	194.5	199.0	4.5	0.31	0.32	1.39	
	60.6						
	199.0	203.0	4.0	0.17	0.14	0.68	38.5' at 0.40%
	61.9						
	203.0	206.0	3.0	0.30	0.24	0.90	WO_3
	62.8	63.8					
	206.0	209.5	3.5	0.01	0.04	0.04	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 213

Logged By: _____

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
		63.8						
		209.5 65.4	214.5	5.0	0.42	0.45	2.10	
		214.5 66.9	219.5	5.0	0.33	0.37	1.65	
		219.5 67.6	222.0	2.5	0.31	0.38	0.78	
		222.0 69.5	228.0	6.0	0.11	0.06	0.66	
		228.0 69.9	229.5 71.5	1.5	3.61	5.11	5,42	
		229.5	234.5	5.0	0.24		1.20	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **213 (Reassay Sept. 1972)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	~~XXX~~ Check Assay		
B 1277	148	150.5	2.5	2.60	2.63	6.50	
8	150.5	153.5	3.0	2.10		6.30	25.5' at
9	153.5	157.5	4.0	1.53		6.12	1.53%
80	157.5	160	2.5	3.76		9.40	7.8m @ 1.53%
1	160	164	4.0	0.96		3.84	
2	164	169	5.0	0.62		3.10	HW C LENS
3	169	173.5	4.5	0.82		3.69	
4	173.5	178	4.5	0.06		.27	
5	178	183	5	0.06		.30	
6	183	187	4	0.02		.08	
7	187	191	4	0.01	0.04	.04	
8	191	194.5	3.5	0.55		1.92	2.4m @ 0.42%
9	194.5	199	4.5	0.32		1.44	FW C LENS
90	199	203	4	0.14		.56	
1	203	206	3	0.24		.72	
2	206	209.5	3.5	0.04		.14	
3	209.5	214.5	5.0	0.45		2.25	12.5' at
4	214.5	219.5	5.0	0.37		1.85	0.40%
5	219.5	222	2.5	0.38		.95	
6	222	228	6	0.06		.36	6.1m @ 0.65
B 1297	228	229.5	1.5	5.11	5.00	7.66	F.W CLENS.

DDH 213
1:500

564100 N.

DDH 213.

219 800 E

219 900 E

DDH 213.

RL = 8·27 m.

ph

bh/ph

FAA

bh EOA

pgr

gh

gph

m/m

bh/ph

gph

bh/ph

bh

* VERTICAL

SECTION IN PLANE
OF HOLE = ISG SECTION.

Hole No.

Location: Beach Area
Elevation: 0.11 Feet
Final Depth: 120 Feet (36.6m)
Co-Ords: 584.27N, 2118.69E
Dip:
Bearing:
Date Commenced:
Date Completed:

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	80			No Core		
80	120			Core badly broken (Quartzite?). Poor recovery - possibly not bedrock.		
24.4m	36.6m			HOLE ABANDONED AT 120 FEET		

I.S.G. Co-ords: 220,313.7 E
564,292.4 N.
R.L. = 3.3m.

Location Beach 4N Elevation 0.47 Feet + (0.81 = 11.28

Final Depth 591 Feet (80.1 Co-ords 9918.4S, 1762.79E (+3.4)

Dip 65° Bearing 135° ? 315°

Date Commenced Date Completed

I.S.G. Co-ords: 220,172.6 E / 564,077.2 N ; R.L. = 3.4 m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO$_3$
0	56	56		No Core	
56 17.1 m	145 44.2 m			Volcanics lavas, tuffs, agglomerates etc., grey-green massive.	
145	190 57.9 m	B		Biotite Actinolite Hornfels- grey to dark grey fine grained, mainly massive. Grades to Biotite Hornfels and Actinolite Hornfels in places.	
190	196			Volcanics	
196 59.7 m	214 65.2 m			Biotite Hornfels - Dark grey fine grained mainly massive. Grades to Biotite Actinolite Hornfels in places.	
[redacted]14	241 73.5 m			Pyroxene Hornfels - Fine grained green with patchy scheelite mineralisation and brown garnets.	
241	247			Calcite Hornfels - light grey massive.	
247 75.3 m	265 80.8 m			Pyroxene Hornfels - mainly pyroxene hornfels with patches and bands of garnet and weak scheelite mineralisation.	
265	285 86.9 m			Calcite Hornfels - grey medium grained crystalline, massive with patches of pyroxene hornfels.	
285	291 88.7 m			Pyroxene Hornfels - green fine grained massive to thinly bedded with biotite hornfels.	
291	335 102.1 m			Biotite Hornfels - Massive with thin bands of pyroxene hornfels to 305'. 305-314 - Biotite Actinolite Hornfels with rim of pyroxene hornfels bands. 314-335 - Actinolite hornfels with some biotite hornfels, massive and minor banding.	
335	383 116.7 m			Actinolite Hornfels - fine grained grey with very slight greenish tinge being homogenious and massive. Pyrite throughout. 345.5 Broken Lost 0.5' Core. Some calcite shears	
383	424.5 129.4 m			Garnet Pyroxene Hornfels - well mineralised. SAMPLED 383 to 388 5' 388 to 391 3' 1.16 391 to 393 2' 3.18 393 to 399 6 2.86 399 to 404 5 1.25 404-410 Biotite Hornfels with some calcite hornfels - no sample. 410 to 415 5 1.14 415 to 420 5 1.58 420 to 424.5 4.5 1.27	

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
424.5	429 130.8 m			Garnet Pyroxene Hornfels & Pyroxene Hornfels - Interbedded- Minor bands of Biotite Hornfels. Weak scheelite mineralisation. No Samples.		
429	432 131.7 m			Pyroxene Hornfels - some garnet pyroxene hornfels and biotite hornfels bands.		
432	445			Actinolite Hornfels - Grey massive.		
445 135.6 m	449 136.9 m			Garnet Pyroxene Hornfels- some weak scheelite mineralisation. No samples.		
449	456 139.0 m			Biotite Hornfels - dark grey massive.		
456	470 143.3 m			Calcite Hornfels - Impure, light grey massive.		
470	474			Biotite Hornfels - dark grey.		
474 144.5 m	509 155.1 m			Hybrid Rock - Interbedded pyroxene hornfels, biotite hornfels, calcite hornfels and pyroxene garnet hornfels. 474 - 480 Pyroxene garnet hornfels. Weak scheelite mineralisation. No samples.		
509	532 162.2 m			Biotite Hornfels - bedded with a few bands of pyroxene hornfels. 509 - 511. Core badly broken. 1' Core Lost.		
532	579 176.5 m			Older Volcanics - Greenish, fine grained, a few joint planes filled with marle.		
579	591 180.1 m			Quartzite - fine grained, light grey, glassy.		
				HOLE COMPLETED AT 591 FEET		
				ASSAY RESULTS		
213	217	4		Sample No. 211/8		2.4
217	221	4		211/9		0.28
221	225	4		211/10		0.12
225	229	4		(1' L.C.) 211/11		0.24
229	233	4		211/12		0.10
233	237	4		211/13		0.29
237	241	4		211/14		0.01
241	244	3		211/15		0.01
244	248	4		211/16		0.02
248	252	4		211/17		0.26
252	256	4		(1' L.C.) 211/18		0.19
256	260	4		211/19		0.43
260	264	4		211/20		0.04
264	265	1		211/21		0.04

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 211

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
~~A 1204~~ 1203	209 211	211 213		0.03 0.09	0.015 0.018		
C 0565	213	217	4	2.02	0.04	8.08	
6	217	221	4	0.50	0.14	2.0	
7	221	225	4	1.60	0.07	6.4	24ft
8	225	229	4	0.41	<.01	1.64	
9	229	233	4	0.25	<.01	1.0	
70	233	237	4	0.39	0.03	1.56	
1	237	241		0.15	0.04	20.66	
2	241	244		0.12	<.01		
3	244	248		0.06	0.01		
4	248	252		0.09	<.01		
5	252	256		0.04	<.01		
6	256	260	4	0.49	0.09	1.96	14ft
7	260	264	4	0.21	0.01	0.84	
8	264	265	1	0.34	0.01	0.34	
A 1207	382.0	384.0	2.0	0.13	0.028	3.14	
6	384.0	386.0	2.0	1.20	0.037	2.40	
5	386.0	388.0	2.0	0.90	0.02	1.80	~~20'~~ at
C 0579	388	391	3	2.02	0.05	6.06	
80	391	393	2	5.38	0.12	~~10.76~~	
1	393	399	6	3.97	0.09	23.82	
2	399	404	5	1.30	0.04	6.50	
A 1210	404	406	2	0.10	0.024	0.20	45.5' at 1.62
A 1209	406	408	2	0.13	0.025	0.26	
8	408	410	2	0.62	0.039	1.24	
C 0583	410	415	5	0.42	<.01	2.10	
4	415	420	5	2.08	0.08	10.40	
5054	420	424.5	4.5	1.27		5.72	
A 1211	424.5	427.5	3.0	0.41	0.010	~~1.24~~ 1.24	
2	427.5	429.5	2.0	0.67	0.040	1.34	
3	429.5	431.5	2.0	0.22	<.01	67.08	
4	431.5	433.5	2.0	0.13	0.018		
5	472.0	474.0	2.0	0.10	0.025		
6	474.0	476.0	2.0	0.32	0.015	0.64	6' at
7	476.0	478.0	2.0	0.52	0.025	1.04	0.38% WO3
8	478.0	480.0	2.0	0.31	0.01	0.62	
9	480.0	482.0	2.0	0.16	<.01		
20	482.0	484.0	2.0	0.06	<.01		

GEOPEKO LIMITED 172.6E / 077.2N +3.4m

BORE HOLE SURVEY RECORD DATE: 6/2/68

HOLE No. 211 LOCATION Eastern Mineralization

DEPTH	TIMES SET	TIMES OFF	TIMES PULLED	DIP 65°	BRG. 315°	REMARKS
200' - 61	10.05	10.20	10.26	63°	317°	
400' - 121.9	9.45	10.10	10.23	57°	327°	
591						

1Ver3.1 G E O P E K O 2/10/1989 9:16:53

*** PROSPECT : dolphin -b ***
*** HOLE : 211 ***
Collar Coordinates 172.60 E 77.20 N 3.4 RL
Azimuth correction = .00
Interpolation inc = 5.0

SURVEYS (Azimuth wrt Grid North)

DEPTH	DIP	AZIMUTH	EASTING	NORTHING	RL
.00	-65.00	315.00	172.60	77.20	3.40
61.00	-63.00	317.00	154.03	96.00	-51.58
121.90	-57.00	327.00	135.30	119.54	-104.47

INTERSECTIONS along the EASTING plane

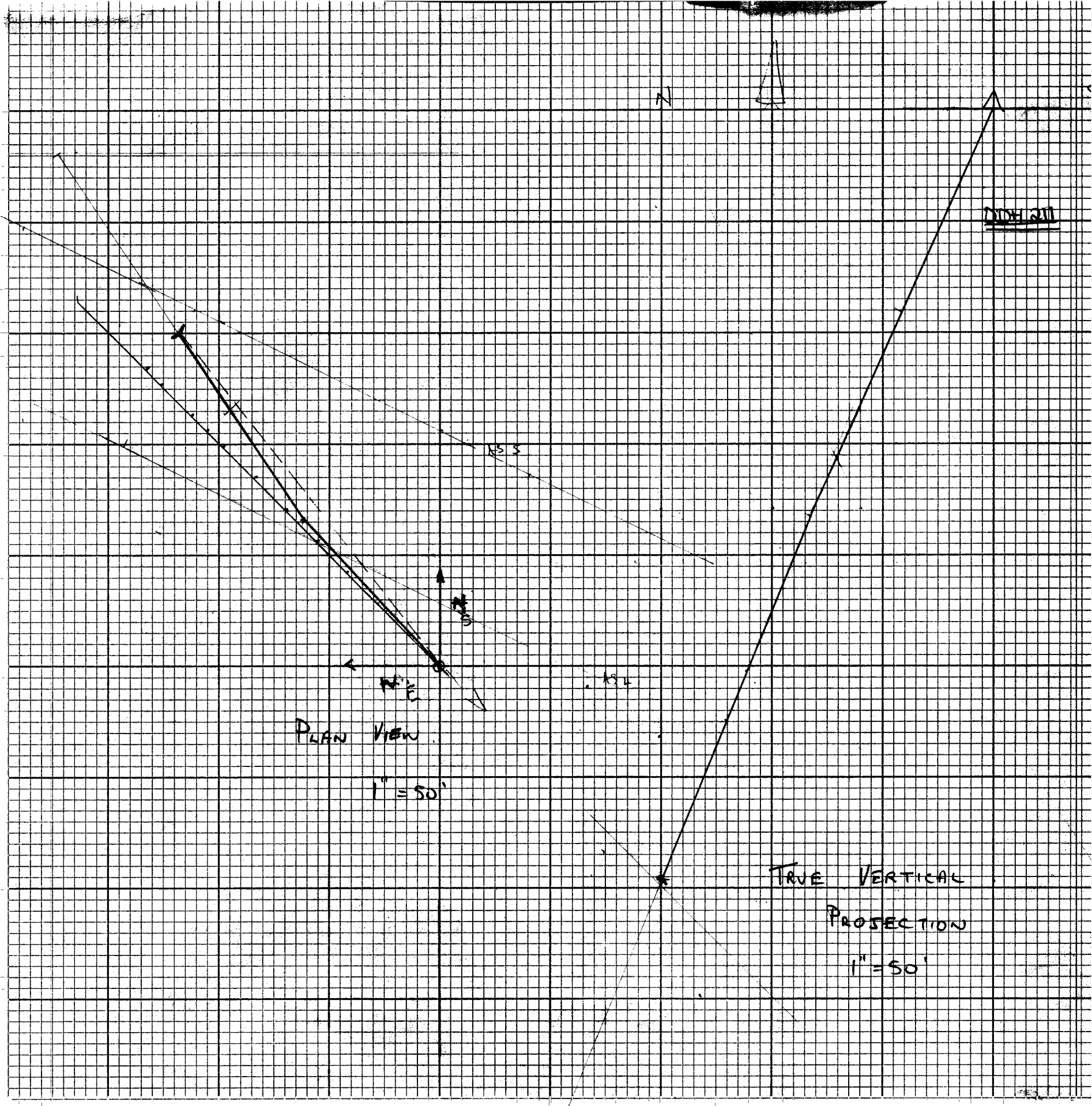
Depth	Easting	Northing	R.L
8.7	170.00	79.79	-4.46
41.6	160.00	89.78	-34.24
74.0	150.00	100.43	-63.11
106.3	140.00	112.75	-91.25

INTERSECTIONS along the NORTHING plane

Depth	Easting	Northing	R.L
9.4	169.79	80.00	-5.10
42.3	159.78	90.00	-34.88
72.8	150.39	100.00	-62.01
99.6	142.07	110.00	-85.46

INTERSECTIONS along the RL plane

Depth	Easting	Northing	R.L
3.8	171.48	78.32	.00
14.8	168.16	81.61	-10.00
25.8	164.82	84.93	-20.00
36.9	161.44	88.32	-30.00
48.1	158.03	91.80	-40.00
59.2	154.58	95.41	-50.00
70.5	151.09	99.21	-60.00
81.8	147.57	103.23	-70.00
93.3	144.02	107.52	-80.00
104.8	140.45	112.14	-90.00
116.6	136.88	117.16	-100.00


N
DDH 211
RS 5
RS 4
PLAN VIEW
1" = 50'
TRUE VERTICAL
PROJECTION
1" = 50'

DDH 211

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12	13		14		
												Co-ordinate Difference				Rect
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N
200	200	27°	0.8910 0.4540	0.5095	178.200	178.200	90.800	N 43° W	0.7314 0.6820	0.9325	90.800	66.411			61.936	66.411
400	200	33°	0.8387 0.5446	0.6494	167.740	345.940	108.920	N 33° W	0.8480 0.5150	0.6009	199.720	92.364			36.094	158.775

211

EASTMAN MULTISHOT DRILL HO

CALCULATION SHEET NO.

EASTMAN MULTISHOT DRILL HOLE SURVEY

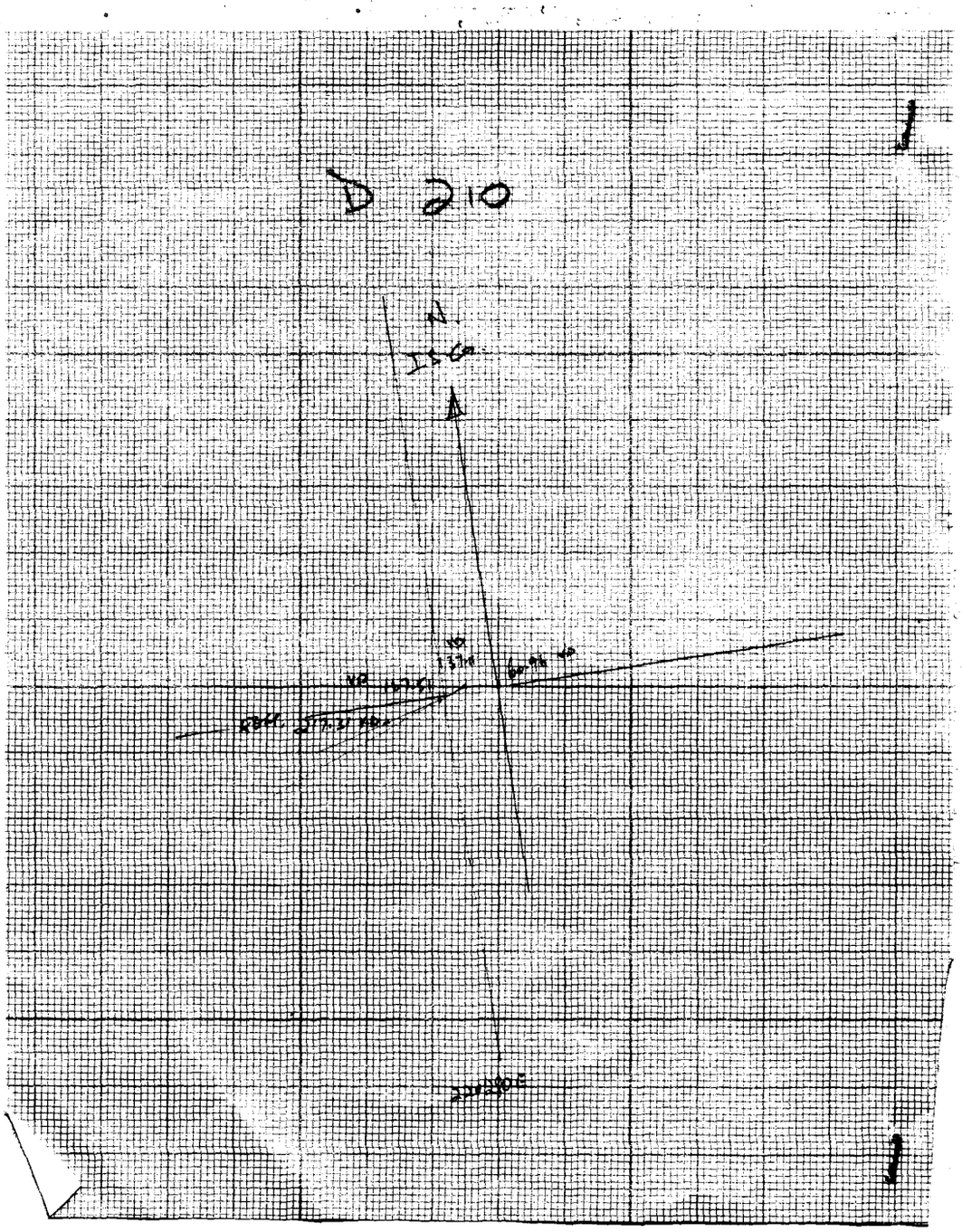
CALCULATION SHEET NO. 1

4	5	6	7	8	9	10	11	12
Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
0.8910 0.4340	0.5095	178.200	178.200	90.800	N 43° W	0.7314 0.6820	0.9325	90.800
0.8387 0.5446	0.6494	167.740	345.940	108.920	N 33° W	0.8480 0.5150	0.6009	199.720

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
66.411			61.926	66.411			61.926
92.364			56.094	158.775			128.020



GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No 210

Location Section 6N

Elevation -7.20 + 10.81 = 3.61 (+3m) 17.01

Final Depth 714 Feet (≈ 214.6 m)

Co-Ords. 300S, 2150E (Approx.)

Dip Vertical

Bearing 315°

Date Commenced

Date Completed

I.S.G. Co-ords: 220,284·1 E / 564,024·4 N ; R.L. = 1·1m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	72	72		No Core		
72 21.9m	404 123.1m	332		Volcanics - grey-green, finely grained tuffs, lavas etc. Broken at top. 72' - 79' 4.5 Lost Core 79 - 97 12' " " 97 - 110' 4' " " 144 - 157' 8' " " 160 - 170 6' " " Patches of pyrite mineralisation throughout. 170.5' - 177' 2.5' L.C. 181' - 191 4' L.C. 191 - 195 2' L.C. 195 - 209.5 10' L.C. Core broken and rubbly to 250'. Solid core 250' - 361'. 361' - 388' Broken and brecciated core. Clay bands in places. 363' - 382 8' Recovery. 382 - 388 Badly brecciated core with puggy material. Breccia to 392'. 391' - 396' patchy scheelite mineralisation associated with breccia.		
404	444 135.3m	40		Interbedded Volcanics and Biotite Hornfels - thinly banded with pyrite mineralisation in patches.		
444	510 155.4m	66		Biotite Hornfels - dark grey, finely grained, thinly banded with occasional patches of Ph and Bah. Pyrite mineralisation associated with fractures. Also rare scheelite mineralisation.		
510	517.5 157.7m	7.5		Garnet Pyroxene Hornfels - green-brown, medium grained, crystalline in parts with patchy, coarse scheelite mineralisation.		
517.5	546 166.4m	28.5		Pyroxene Garnet Hornfels - Green-brown medium grained with garnets showing reaction rims with patches of Gph occasionally with coarse scheelite. Pgh generally poorly developed.		
546	609 185.6m	63		Garnet Hornfels - brown, medium grained, crystalline with good disseminated scheelite mineralisation throughout. SAMPLED 545 - 546.5 546.5 - 551 551 - 556.5 556.5 - 561.5 561.5 - 566.5 566.5 - 571.5 571.5 - 576.5 576.5 - 581.5 581.5 - 586.5 586.5 - 589 589 - 593 593 - 598 598 - 603 603 - 609	0.88 1.61 1.50 0.94 0.98 1.46 1.27 0.85 1.74 3.86 0.92 1.24 0.49 0.29	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 210

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
609	619 188.7 m	10		Hybrid Rock - Mainly Gph with Ph and minor Ch with patchy scheelite mineralisation. SAMPLED 609 - 615	0.60	
619	628 191.4 m	9		Hybrid Rock - Mainly Bh with bands of Ph.		
628	656.5 200.1 m	28.5		Calcite Hornfels - white crystalline Ch with bands of Ph.		
656.5	690 210.3 m	33.5		Garnet Hornfels - brown-green crystalline with good disseminated scheelite mineralisation with bands of Ph and minor Bh. Bad Core Loss - 624' - 668 12' L.C. 657 - 664 SAMPLED 664 - 668 668 - 675 675 - 682 682 - 686 686 - 689.5 Bad core loss 657' - 689.5' 10' Lost Core.	0.65 0.41 0.32 0.17 0.25 0.16	
690	714 217.6 m	24		Hybrid Rock - mainly Ch with bands of Ph and Bh. Generally poor recovery. Lost Core 14'. HOLE ABANDONED AT 714 FEET Lost Core 616' - 619' 1' 624 - 628 1' 632 - 642 6'		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 210

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 1352	502	504	2	0.07	0.006	0.14	
3	504	506	2	0.06	0.008	0.12	
4	506	508	2	0.31	0.017	0.62	8' (2.44 m) at 2.09% WO_3
5	508	510	2	0.05	0.053	0.10	
6	510	512	2	5.70	0.139	11.40	
7	512	514	2	15.60		31.20	
8	514	516	2	0.26	0.013	0.52	
9	516	518	2	0.22	0.013	0.44	
60	518	520	2	0.19	0.013	0.38	hole
1	520	522	2	0.05	0.023	0.10	
2	522	524	2	1.18	0.022	2.36	
3	524.0	526	2	9.20	0.235	18.40	
4	526	528	2	0.11	<.01	0.22	
5	528	530	2	19.40	0.038	38.80	
6	530	532	2	1.80	0.034	3.60	
7	532	534	2	0.25	0.010	0.50	
8	534	536	2	0.27	0.01	0.54	
9	536	538	2	0.39	0.015	0.78	
70	538	540	2	0.06	0.006	0.12	
1	540	542	2	5.00		10.00	10ft at
2	542	545	3	0.80	0.018	1.60	
C 0545	545	546.5	1.5	0.90	0.02	1.35	
6	546.5	551	4.5	1.77	0.03	7.96	100' at 1.29 (21.64 m) at 1.45% WO_3
7	551	556.5	5.5	1.65	0.02	9.07	
8	556.5	561.5	5	1.25	0.03	6.25	
9	561.5	566.5	5	1.04	0.03	5.20	
→ 50	566.5	571.5	5	1.41	0.03	7.05	
1	571.5	576.5	5	0.86	0.02	4.30	
2	576.5	581.5	5	1.30	0.03	6.50	
3	581.5	586.5	5	1.71	0.03	8.55	
4	586.5	589	2.5	4.06	0.03	10.15	
5	589	593	4	0.86	0.01	3.44	
6	598	603	5	0.51	0.01	2.55	17' (5.18m) at 0.41% WO_3
7	603	609	6	0.24	<.01	1.44	
8	609	615	6	0.52	0.01	3.12	
A 1373	615	617	2	0.08	0.010	0.16	
4	617	619	2	0.06	<0.01	0.12	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 210

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1375	653 (199.0)	655	2	0.01	(0.01	0.02	
6	655 (199.6)	657	2	0.10	(0.01	0.20	
C 0559	657 (200.2)	664	7	0.80	0.05	5.60	↓ 29' (8.84 m) + 0.45% WO_3
60	664 (202.4)	668	4	0.58	0.04	2.32	
1	668 (203.6)	675	7	0.38	0.01	2.66	
2	675 (203.7)	682	7	0.18	(0.01	1.26	↑
3	682 (207.8)	686	4	0.31	0.01	1.24	
C 0564	686 (209.1)	689.5		0.16	(0.01	13.08	

DDH 210

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
400	400	2°	0.9994 0.0349	0.0349	399.760	399.760	13.960	N 88° W	0.0175 0.9998	0.0175	13.960
500	100	4°	0.9976 0.0698	0.0699	99.760	499.52	6.990	S 60° W	0.5000 0.8660	0.5774	20.950
600	100	5°	0.9962 0.0872	0.0875	99.620	599.14	8.750	S 66° W	0.4067 0.9135	0.4452	29.700

210

EASTMAN MULTISHOT DRILL HO

CALCULATION SHEET NO

13		14		
Co-ordinate Difference				Rect
N	S	E	W	N
0.244			13.957	0.244
0.495			6.053	
0.559			7.993	

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

	4	5	6	7	8	9	10	11	12
	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
	0.9994 0.0349	0.0349.	399.760.	399.760.	13.960.	N 88° W.	0.0175 0.9998	0.0175.	13.960.
	0.9976 0.0698	0.0699	99.760	499.52.	6.990.	S 60° W.	0.5000 0.8660	0.5774	20.950.
	0.9962 0.0872	0.0875.	99.620	599.14.	8.750.	S 66° W.	0.4067 0.9135.	0.4452.	29.700

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

	13		14		15		16	
	Co-ordinate Difference				Rectangular Difference			
	N	S	E	W	N	S	E	W
	0.244.			13.957.	0.244.			13.957.
	3.495			6.053		3.251.		20.028
	3.549			7.993		6.810.		28.021.

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD DATE: 9/1/68

HOLE No. 210 LOCATION Eastern Mineralization

DEPTH	TIMES			DIP	BRG. MAG / TRUE	REMARKS
	SET	OFF	PULLED			
400'	11.00'	11.20	11.25	88°	271° / 280	
500'	11.45	12.15		86°	240° / 249	
600'	2.45	3.15	3.20	85°	246° / 255	

D.D.H. 210

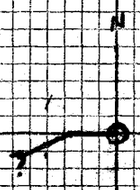
Scale: 1" = 50'

TRUE

Projection #5

E.W. Projection.

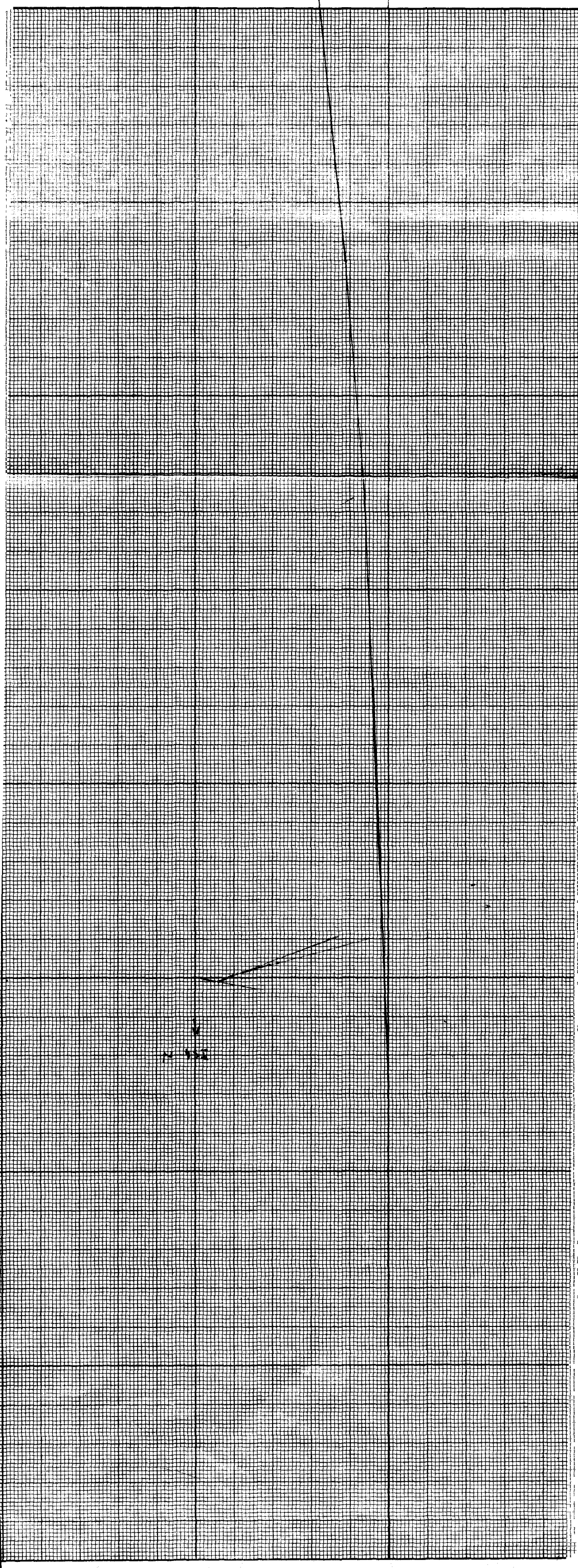
PLAN VIEW



N S W E

400'

600'



CLASSIFIED

DIAMOND DRILL CORE LOG SHEET

Hole No. 209

Location 5N (Beach Sand Section) Elevation 3.44 Feet +10.81 = 14.25 (4.34m)

Final Depth 689 Feet 210.0 Co-Ords. 300S, 2000E

Dip 85° Surveyed dip ~ 75° Bearing 315°

Date Commenced _____ Date Completed _____

I.S.G. Co-ords: 220,238.9 E / 564,031.0 N; R.L. = 4.3m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	78	78		No Core		
78 23.8m	304 92.7m	226		Volcanics - Green-grey, finely grained lavas and tuffs. Broken at top. 78' (23.8m) - 110' 23' Lost Core * Bad ground 110' (33.53m) - 126 8' " " 133' (40.54m) - 139 5' " " 139' (42.37) - 150' (45.72m) 7.5' " " 183' - 184' Aplite.		
304	328 100.0m	24		Biotite Hornfels - Interbedded with volcanics.		
328	368 112.2m	40		Biotite Hornfels - Finely grained grey stone - mottled in parts - grades to Bah in patches. 337' - 346' 3.5' Lost Core.		
368	380 115.8m	12		Hybrid Rock - Interbedded grey Bah and green Ph. Finely grained and thinly banded.		
380	396 120.7m	16		Pyroxene Hornfels - Green, finely grained to medium grained, massive to thinly banded rock. 392.5' - 393.5' Coarse crystalline scheelite.		
396	415 126.5m	19		Biotite-Actinolite Hornfels - dark grey, finely grained, massive rock. Breccia 404 - 406. Angular chunk of Bh in grey Ah. 406 - 413 Brecciated and broken core, with pyrite mineralisation in parts. 2' Lost Core at about 412'. Bah grade to Ah at bottom.		
415	461 140.5m	46		Actinolite Hornfels - Grey, finely grained, thinly banded, banded with Bah in part with patches of pyrite mineralisation in places.		
461	501 152.7m	40		Pyroxene Garnet Hornfels - green, finely grained Ph ground mass with calcite cored inclusions showing reaction rims - grades to Cph in part at base. Patchy scheelite mineralisation. Brecciated 488 - 501. 481 - 483 Gph with disseminated scheelite. Lost Core 488' - 496' 5'8" 496' - 501' 6"		
501	519 158.2m	18		Garnet Hornfels - brown=green medium to coarse grained cyrstalline, with patchy scattered scheelite mineralisation. Brecciated in places. SAMPLED 488' - 496' 496' - 501' 501' - 504' 504 = 505	0.31 0.67 0.64 4.00	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 209

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
				505 - 512	0.68	
				507' - 512' 1.5' Lost Core		
				Broken & brecciated 507' - 515'.		
				SAMPLED		
				512' - 514	1.06	
				514 - 519	0.14	
519	546	27		Garnet Pyroxene Hornfels - green-brown, medium grained, crystalline, massive, poorly mineralised, slightly brecciated in parts.		
	166.4m			523 - 526 Pgh		
				532 - 542 Broken & Brecciated		
546	554.5	8.5		Pyroxene Garnet Hornfels - finely grained green Ph ground mass with coarse garnet inclusions. Slightly brecciated in parts.		
	169.0m			SAMPLED		
				519' - 526'	0.12	
				526 - 532	0.10	
				532 - 538.5	0.06	
				538.5- 544	0.06	
				544 - 559	0.40	
				Lost Core		
				526' - 525' 2'		
				535' - 538' 2'		
554.5	561	6.5		Garnet Hornfels- grown-green, medium grained, crystalline with good disseminated scheelite throughout.		
	171.0m					
561	569	8		Hybrid Rock - Consists mainly of Ch with Ph and minor Bh. Poorly mineralised.		
	173.4m					
569	603	34		Hybrid Rock - Interbedded Gph, Ch, Ph and Bh with patchy scheelite mineralisation. Broken and rubbly in parts.		
	183.8m					
603	621	18		Hybrid Rock - Interbedded Ph and Bh with Ch and minor thin bands of Gph.		
	189.3m					
621	646	25		Older Volcanics - finely grained green ground mass with coarse biotite.		
	196.9m			At 637' - 1' of Aplite.		
646	689	43		Hybrid Rock - Interbedded Bh and Ph with bands of honey coloured garnet.		
	210.0		banded	Aplite - 652' - 656'. granite		
				HOLE COMPLETED AT 689 FEET		
				ASSAY RESULTS		
559	564			559' - 564	0.37	
				564 - 569	0.47	
				569 - 573 (1' Lost Core)	0.18	
591.5	598'	0.35		573 - 577 (1' Lost Core)	0.98	
598	601	0.34		577 - 582.5 (2' Lost Core)	0.05	
				582.5- 587.5	0.19	
				587.5- 591.5	0.69	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 209

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 1377	375	377	2	0.07		0.14	
8	377	379	2	0.06	0.018	0.12	
9	379	381	2	0.06	0.016	0.12	
80	381	383	2	0.05	(0.01	0.10	
1	383	385	2	0.04	(0.01	0.08	
2	385 (117.3)	387	2	0.20	0.016	0.40	
3	387	389	2	0.04	0.014	0.08	4ft (1.22m) at 0.42% WO_3
4	389.0	391.0	2	0.04	0.014	0.08	
5	391 (119.2)	393	2	0.52	0.025	1.04	B
6	393 (119.8)	395	2	0.31	0.054	0.62 (1.66)	
7	395 (120.4)	397	2	0.06	0.018	0.12	
8	472 (143.9)	474	2	0.11	0.016	0.22	
9	474 (144.5)	476	2	0.11	0.003	0.22	
90	476 (145.1)	478	2	0.21	0.010	0.42	
1	478 (145.7)	480	2	0.40	0.013	0.80	
2	480 (146.3)	482	2	0.51	0.016	1.04	
3	482 (146.9)	484	2	0.66	0.016	1.32	
4	484 (147.5)	486	2	0.12	(0.01	0.24	C (10.97m)
5	486 (148)	488	2	0.05	0.013	0.10	36' at
C 0419	488 (148.7)	496	8	0.50	0.02	4.0	
20	496 (151.2)	501	5	0.58	0.05	2.90	0.792% WO_3
1	501 (152.7)	504	3	0.64	0.10	1.92	
2	504 (153.6)	505	1	~~4.30~~ 4.0	0.21	~~4.30~~ 4.0	
3	505 (153.9)	512	7	0.80	0.07	5.60	
4	512 (156.1)	514	2	2.40	0.07	4.80 (26.72)	
5	514 (156.7)	519		0.10	0.02		
6	519 (158.2)	526		0.15	(0.01		
7	526	532		0.08	0.02		
8	532	538.5		0.08	0.04		
9	538.5	544		0.09	0.02		
30	544 (165.9)	559	15	0.36	0.02	5.40	
1	559 (170.3)	564	5	0.38	0.01	1.90	
2	564 (171.9)	569	5	0.78	0.02	3.90	C (17.37m)
3	569 (173.4)	573	4	0.18	(0.01	0.72	57' at
4	573 (174.7)	577	4	0.88	0.03	3.52	
5	577 (175.9)	582.5	5.5	0.06	(0.01	0.33	0.424% WO_3
6	582.5 (177.5)	587.5	5	0.24	0.01	1.20	
7	587.5 (179.1)	596	8.5	0.65	0.02	5.52	
8	596 (181.7)	598	2	0.37	0.01	0.74	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 209

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
C 0439	598 (182.3)	601	3	0.32	(0.01	0.96 (29.19)	
A 1396	601	605	4	0.07	(0.01	0.28	
7	605	609	4	0.03	(0.01	0.12	

DDH 209

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine
400'	400'	14°	0.9703 0.2419	0.2493	388.120	388.120	96.760	N 62° W	0.4695 0.8829
500'	100'	17°	0.9563 0.2924	0.3057	95.630	483.750	29.240	N 75° W	0.2588 0.9659
600'	100'	17°	0.9563 0.2924	0.3057	95.630	579.380	29.240	N 75°30' W	0.2504 0.9681

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

11	12	13		14		15		16	
		Co-ordinate Difference				Rectangular Difference			
Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
0.5317.	96.760.	45.429.			85.729.	45.429			85.729
0.2679.	126.000.	7.567.			28.243	52.996.			113.972.
0.2586.	155.240	7.321.			28.307.	60.317.			142.279.

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 209 Date Surveyed _____

Total Depth _____ Depth Surveyed To _____

Casing Depth _____ Surveyed By _____

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords N/S	Sum of Co-Ords E/W
0	85°	5 00	.9962 / .0872	0	0		N45°W	0	.7071 / .7071	0	0	0	0
30.48 100	82 45'	7° 15'	.9920 / .1262	99.20	99.20 / 30.24	12.62	N40° 15'W		.6528 / .7576	8.24	9.56	8.24 / 2.51	9.56 / 2.91
60.96 200	80 30	9 30'	.9863 / .1650	98.63	197.83 / 60.30	16.50	N53° 30'W		.5948 / .8039	9.81	13.26	18.05 / 5.5	22.82 / 6.96
91.44 300	78 15	11 45°	.9790 / .2036	97.90	295.73 / 90.14	20.36	N57° 45'W		.5336 / .8457	10.68	17.22	28.73 / 8.76	40.04 / 12.20
121.92 400	76	14 00	.9703 / .2419	97.03	392.76 / 119.71	24.19	N 62°W		.4695 / .8829	11.36	21.36	40.09 / 12.22	61.40 / 18.71
152.40 500	73	17 00	.9563 / .2924	95.63	488.39 / 148.86	29.24	N 75° W		.2588 / .9659 / .258	7.56	28.24	47.65 / 14.52	89.64 / 27.32
182.86 600	73	17 00	.9563 / .2924	95.63	584.02 / 178.00	29.24	N75° 30'W		.2504 / .9681	7.32	28.31	54.97 / 16.75	117.95 / 35.95
EOH 689	73	17 00	.9563 / .2924	85.11	669.13 / 203.95	26.02	N 75° 30'W		.2504 / .9681	6.52	25.19	61.49 / 18.74	143.12 / 43.62

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD — DATE: 1/12/67

HOLE No. 209 — LOCATION: Eastern Mineralisation

DEPTH	TIMES SET	TIMES OFF	TIMES PULLED	DIP 75	BRG.	REMARKS
				85	315	
0 to 200						
(124.92) 400'	2.05	2.25	2.30	76°	298°	
200 to 450						
(152.4) 500'	11.30	12.00	12.30	73°	285°	
450 to 550						
(182.88) 600'	8.52	9.27	9.32	73°	284°30'	

	0-5			85°	315°
×	50	15.24			
	100		=	82° 45'	310° 45'
×	150	45.72			
	200		=	80° 30'	306° 30'
×	250	76.20			
	300		=	78° 15'	302° 15'
×	350	106.68			
	400			76	298
×	450				
	500			73	285
×	550				
	600			73	284° 30'

Drift Angle	Cos / Sine	Vert depth	T.
85			
82° 45'			
80° 30'			
78° 15'			
76°			
73			
73			

DRWG 209
received
Scale 1:500

DDA 809

Plotted correctly

Scale = 1:600

2041

Collar Coords = 220,238.66
5,405,3.8N

DDH 209.

Datum + 14.25'

SECTION
209H

PLAN VIEW
1" = 50'

5,404,000N

TRUE VERTICAL
PROJECTION
1" = 50'

[redacted]

DIAMOND DRILL CORE LOG SHEET

Hole No 208

Location Beach section — Elevation -1.66 Feet +10.81 9.15

Final Depth 732.5 Feet (223.3m) — Co-Ords. 211.94S, 1908.51E (2.98m)

Dip 65° — Bearing 315°

Date Commenced 29/9/1967 — Date Completed 3/11/1967

I.S.G. Co-ords: 220,215·2 E / 564,061·6 N ; R.L. = 2·8m

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	67	67		No Core		
67 (20.4m)	194 (59.1m)	124		Volcanics - green, fine grained and massive, tuffs and lavas.		
194	214 (65.2m)	20		Biotite Hornfels - dark grey, fine grained and thinly bedded to massive. It grades to biotite actinolite hornfels which is mottled in parts.		
214	220 (67.1m)	6		Pyroxene Hornfels - green mainly fine grained and massive with patches of garnet and weak mineralisation.		
220	272 (82.9m)	52		Biotite Actinolite Hornfels - grey fine grained and thinly bedded. This grades to biotite hornfels and actinolite hornfels in places with bands of pyroxene hornfels, some associated with pyrite mineralisation. Aplite 262' - 263'.		
272	278 (84.7m)	6		Hybrid Rock- thinly bedded biotite hornfels with pyroxene hornfels. 275.5' - 276.5 Quartz to calcite vein with some coarse scheelite with pyrite mineralisation.		
278	329.5 (100.4m)			Garnet Pyroxene Hornfels - green brown medium grained and massive with patchy scheelite mineralisation. SAMPLED		
				289 - 294	0.54	
				294 - 297	0.69	
				297 - 302	0.05	
				302 - 305.5	0.21	
				305.5- 311 (5.5m)	0.76	5.5m @ 0.91%
				311 - 313 (2m)	1.52	
				313 - 318.5 (5.5m)	0.94	
				318.5- 321 (2.5m)	0.59	
				321 - 323.5 (2.5m)	1.26	
				323.5- 327	0.34	
329.5	348 (106.1m)	18.5		Hybrid Rock - Interbedded biotite hornfels with pyroxene hornfels. These are thinly bedded.		
348	378 (115.2m)	30		Biotite Actinolite Hornfels - fine grained and massive to thinly bedded. It grades to actinolite hornfels in places.		
378	402 (122.5m)	24		Actinolite Hornfels - grey fine grained and massive.		
402	442 (134.7m)	40		Pyroxene Garnet Hornfels, fine grained pyroxene hornfels with some coarse garnets showing green reaction rims and clacite cores. There are patches of biotite hornfels grading to garnet pyroxene hornfels in places with weak scattered scheelite mineralisation.		
442	456 (139.0m)	14		Garnet Hornfels - brown, medium grained and crystalline massive with patches of garnet pyroxene hornfels showing good disseminated scheelite mineralisation.		

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO$_3$	Mo
456	460 140.2m	4		Garnet Pyroxene Hornfels - green brown medium grained and massive with disseminated scheelite.		
460	473 144.2m	13		Pyroxene Hornfels - interbedded with biotite hornfels. It is fine grained and thinly bedded with some scheelite mineralisation and some occasional clacite hornfels bands. SAMPLED 442' - 447' 0.90 447 - 451 2.45 451 - 455.5 0.33 455.5 - 456.5 1.58 456.5 - 460 0.60		
473	542 165.2m	69		Hybrid Rock - banded garnet hornfels, garnet pyroxene hornfels with some pyroxene hornfels and minor biotite hornfels. There is good patchy disseminated scheelite throughout. SAMPLED 474 - 477 0.40 477 - 482 0.57 482 - 487.5 0.05 487.5 - 491.5 0.15 491.5 - 497.5 0.10 497.5 - 501.5 0.94 501.5 - 507 0.68 507 - 510 1.46 510 - 514 0.94 514 - 518.5 0.32 518.5 - 523.5 0.07 523.5 - 528.5 0.29		
542	560 170.7m	18		Hybrid Rock - thinly bedded biotite hornfels with pyroxene hornfels and broken and brecciated core in parts. Lost Core 549' - 553' 2.5'		
560	580 176.8m	20		Older Volcanics - green and fine grained with coarse biotite flakes, the core being broken and brecciated in parts. Lost Core 558'6" 568' 3' 568 576 1.5'		
580	620.5 189.1m	40.5		Biotite Hornfels - mainly biotite hornfels with some patches of pyroxene hornfels. 593 - 607.5 badly broken and brecciated core (6" lost core). 607.5 - 610.5' Pyroxene hornfels with calcite stringers. 610' - 621' badly broken and brecciated (3' lost core).		
620.5	627 191.1m	6.5		Calcite Hornfels - grey fine grained and massive to thinly bedded, also crystalline.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 208

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
626	630 192.0m	4		Breccia - green brown talcous rock and patches of biotite actinolite hornfels. Fault		
627	687 209.4m	60		Older Volcanics - fine grained grey and massive with light brown biotite flecks - green with white spots in parts. It is broken and brecciated in patches- 640 - 641 646 - 649 655 - 664 (4' Lost Core) Lost Core - 669 - 682 4' 682 - 687 1'		
687	732'6" 223.3m	44'6"		Quartzite - light grey fine grained and massive. HOLE COMPLETED 732'6"		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 208

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1398	272	274	2	0.06	0.020	0.12	
9	274	276	2	0.05	0.017	0.10	
A 1400	276 (84.1)	278	2	2.90	0.069	5.80	18ft (5.49 m) at 0.668% WO_3
08	278 (84.7)	280	2	0.04	0.077	0.08	
9	280 (85.3)	282	2	0.28	0.046	0.56	
10	282 (86.0)	284	2	0.38	0.103	0.76	
1	284 (86.6)	286	2	0.04	0.081	0.08	
2	286 (87.2)	289	3	0.25	0.081	0.75	
C 0390	289 (88.1)	294 (89.6)	5	0.80	0.03	4.0	
1	297 (90.5)	302	5	0.08	0.27	0.40	
2	302 (92.0)	305.5	3.5	0.36	0.02	1.26	26ft (7.92 m) at 0.785% WO_3
3	305.5 (93.1)	311	0 5 5	0.80	0.02	4.70	
4	311 (94.7)	313	2	1.35	0.04	2.70	
5	313 (95.4)	318.5	5.5	1.00	0.04	5.50	
6	318.5 (97.1)	321	2.5	0.65	0.03	2.28	
7	321 (97.8)	323.5	2.5	1.20	0.04	3.00	
8	323.5 (98.6)	327	3.5	0.36	0.01	1.26	
A 1432	327 (99.7)	329	2	0.05	(0.01	0.10	
3	329	331	2	0.05	0.017	0.10	
A 1460	396	398	2	0.08	0.029	0.16	
1	398	400	2	0.08	0.027	0.16	
2	400	402	2	0.08	0.032	0.16	
3	402	404	2	0.08	0.016	0.16	
4	404	406	2	0.05	(0.01	0.10	
5	406	408	2	0.06	0.01	0.12	
6	408	410	2	0.06	01013	0.12	
7	410	412	2	0.05	0.01	0.10	
8	412	414	2	0.06	0.015	0.12	
9	414 (126.2)	416	2	0.74	0.05	1.48	
70	416 (126.8)	418	2	0.25	0.013	0.50	
1	418 (127.4)	420	2	0.15	(0.01	0.30	
2	420 (128.0)	422	2	0.40	0.18	0.80	
3	422 (128.6)	424	2	0.14	(0.01	0.28	
4	424 (129.2)	426	2	0.26	0.01	0.52	
5	426 (129.8)	428	2	0.12	0.015	0.24	
6	428 (130.5)	430	2	0.12	(0.01	0.24	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 208

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A 1477	430 (131.1)	432	2	0.37	0.025	0.74	
8	432 (131.7)	434	2	0.16	(0.01	0.32	
9	434 (132.3)	436	2	0.10	(0.01	0.20	
80	436 (132.9)	438	2	0.10	(0.01	0.20	
1	438 (133.5)	440	2	0.12	(0.01	0.24	
2	440 (134.1)	442	2	0.11	0.01	0.22	
C 0399	442 (134.7)	447	5	1.02	0.02	5.10	
C 0400	447 (136.2)	451	4	2.65	0.08	10.60	
1	451 (137.5)	455.5	4.5	0.50	(0.01	2.25	
2	455.5 (138.8)	456.5	1.0	1.70	0.05	1.70	
3	456.5 (139.1)	460	3.5	1.38	0.04	4.83	
4	460 (140.2)	465	5	0.04	(0.01	0.20	
5	465 (141.7)	470	5	0.03	(0.01	0.15	
6	470 (143.3)	474	4	0.05	"	0.20	86.5' at
7	474 (144.5)	477	3	0.40	0.01	1.20	
8	477 (145.4)	482	5	0.68	0.01	3.40	
9	482 (146.9)	487.5	5.5	0.05	(0.01	0.27	
10	487.5 (148.6)	491.5	4	0.26	(0.01	1.04	
1	491.5 (149.8)	497.5	6	1.02	0.04	6.12	
2	497.5 (151.6)	501.5	4	0.20	(0.01	0.80	
3	501.5 (152.9)	507	5.5	0.78	0.03	4.29	
4	507 (154.5)	510	3	1.87	0.06	5.61	
5	510 (155.4)	514	4	0.92	0.02	3.68	
6	514 (156.7)	518.5	4.5	0.50	0.02	2.25	
7	518.5 (158.0)	523.5	5	0.08	(0.01	0.40	
C 0418	523.5 (159.6)	528.5	5	0.46	0.02	2.30	
A 1483	528.5 (161.1)	530.5	2	0.12	0.013	0.24 (55.9#)	7ft at 0.69% WO3
4	530.5	532.5	2	0.06	0.019	0.12	
5	532.5	535.5	3	0.06	~~0.24~~ 0.014	0.12	
6	535.5 (163.2)	537.5	2	0.68	0.027	1.36	4' at 1.19% WO3
7	537.5 (163.8)	539.5	2	1.70		3.40	
8	539.5 (164.4)	542.5	3.	0.15	0.012	0.30 (61.1#)	
9	542.5	544.5	2	0.06	0.024	0.12	
90	544.5	546.5	2	0.06	0.077	0.12	

97.5ft (29.72m) at 0.27% WO3

*** PROSPECT : dolphin ***
*** HOLE : d208 ***
Collar Coordinates 215.20 E 61.60 N 2.8 RL
Azimuth correction = .00
Interpolation inc = 5.0

305·5 - 323·5
93·1 - 98·6.
=> 5·5m.

96m.

SURVEYS (Azimuth wrt Grid North)

DEPTH	DIP	AZIMUTH	EASTING	NORTHING	RL
.00	-65.00	315.00	215.20	61.60	2.80
76.20	-64.00	301.00	189.20	81.44	-65.98
137.20	-63.00	295.00	165.04	94.09	-120.54
198.10	-63.00	292.00	139.66	105.04	-174.80
223.30	-63.00	291.50	129.03	109.27	-197.26

INTERSECTIONS along the EASTING plane

Depth	Easting	Northing	R.L
16.8	210.00	66.47	-12.41
46.5	200.00	74.38	-39.28
74.1	190.00	80.95	-64.06
100.1	180.00	86.65	-87.46
125.1	170.00	91.73	-109.75
149.4	160.00	96.40	-131.42
173.4	150.00	100.77	-152.84
197.3	140.00	104.90	-174.08
221.0	130.00	108.89	-195.21

INTERSECTIONS along the NORTHING plane

Depth	Easting	Northing	R.L
29.7	205.79	70.00	-24.04
69.9	191.55	80.00	-60.32
116.4	173.52	90.00	-102.01
169.1	151.80	100.00	-148.99

INTERSECTIONS along the RL plane

Depth	Easting	Northing	R.L
3.1	214.27	62.52	.00
14.1	210.85	65.72	-10.00
25.2	207.28	68.79	-20.00
36.3	203.56	71.74	-30.00
47.3	199.72	74.58	-40.00
58.4	195.75	77.30	-50.00
69.5	191.68	79.92	-60.00
80.7	187.51	82.44	-70.00
91.8 93·1	183.24	84.88	-80.00 85·7
103.0 96 98·6	178.88 181·6	87.24 85·2	-90.00
114.2	174.42	89.55	-100.00
125.4	169.89	91.79	-110.00
136.6	165.29	93.97	-120.00
147.8	160.66	96.10	-130.00
159.0	156.01	98.18	-140.00
170.3	151.33	100.20	-150.00
181.5	146.64	102.18	-160.00
192.7	141.93	104.12	-170.00
203.9	137.20	106.03	-180.00
215.2	132.47	107.92	-190.00

		E	N	RL.
.116	93·1 →	182·7	82·7 85·2	-81·2.
.393	98·6 →	180·6	86·3	-86·1.

11.2

.625

DDH 208

DDH 208 Bearing 31°

65°

N

W

PLAN VIEW

1" = 50'

Top of Cliff

215·2E / 061·6N RL = 2·8

GEOPEKO LIMITED

BORE HOLE SURVEY RECORD DATE: 2.11.67

HOLE No. 208 LOCATION Eastern Mineralization

DEPTH	TIMES SET	TIMES OFF	TIMES PULLED	Collar -65 / DIP	Collar 315 / BRG.	REMARKS
250' 76.2	10.35	11.00	11.10	64°	301°	
450' 137.2	11.35	12.05	1.00	63°	295°	
650' 198.1	1.05	1.40	1.50	63°	292°	
732.5 223.3.				-63.	291.5	

DDH 208

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12	13		14		
												Co-ordinate Difference				Recta
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N
250'	250'	26° 64	0.8988 0.4384	0.4877	224.700	224.700	121.925	N 59° W.	0.5150 0.8572	0.6009	121.925	62.791			104.514	62.791
450'	200'	27° 63	0.8910 0.4540	0.5095	178.200	402.900	101.900	N 65° W.	0.4226 0.9063	0.4663	223.825	43.471			92.352	106.262
650'	200'	27° 63	0.8910 0.4540	0.5095	178.200	581.100	101.900	N 68° W.	0.3746 0.9272	0.4040	325.725	38.172			94.482	144.434

208.

EASTMAN MULTISHOT DRILL HO

CALCULATION SHEET NO.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

	4	5	6	7	8	9	10	11	12
t .e	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
64	0·8988 0·4384	0·4877	224·700	224·700	121·925.	N 59° W.	05150 0·8572	0·6009	121·925
63	0·8910 0·4540	0·5095	178·200.	402·900	101·900.	N 65° W.	0·4226 0·9063	6·4663	223·925
63	0·8910 0·4540	0·5095	178·200	581·100	101·900	N 68° W.	0·3746 0·9272	0·4040	325·72

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
62·791			104·514.	62·791			104·514.
43·471			92·352.	106·262			196·866
38·172.			94·482	144·434			291·348

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 207

Location Line 7 (O/C)

Elevation 11.9 Feet +10.81 22.71

Final Depth 315 Feet (96.0)

Co-Ords. 410.2S, 563.54E = 6.92

Dip 55°

Bearing 12°

Date Commenced 21/9/1967

Date Completed 9/10/1967

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	50			Volcanics, fine grained, green and massive layers, tuffs etc. Aplite 45' - 50';		
50	53			Pyroxene Hornfels, green, mainly fine grained and massive. 51' - 52.5 high grade fine disseminated scheelite mineralisation.		
53	67			Hybrid Rock mainly biotite hornfels with thin bands of pyroxene hornfels. Aplite 61' 6" 62' 3" 63' 6"		
67	73			Aplite, cream coloured and fine grained.		
73	89			Actinolite Hornfels, green, fine grained and massive with some minor biotite. Aplite 78.5' to 80'6"		
89 27.13	100.5 30.63			Pyroxene Hornfels, fine grained and massive to thinly bedded with patches of light brown garnet.		
100.5	109 33.22			Calcite Hornfels, light grey, fine grained and mainly massive.		
109	116			Pyroxene Hornfels, mainly green pyroxene hornfels with patches of garnet pyroxene hornfels. There is high grade disseminated scheelite in part of the core. SAMPLED 109' - 114'	1.34	
116 35.35	151.5			Hybrid Rock, mainly biotite hornfels with patches and thin bands of pyroxene hornfels which becomes dominant below 137' with very weak patchy scheelite mineralisation.		
151.5 46.17	170			Pyroxene Garnet Hornfels, green pyroxene hornfels with light brown garnets in places showing dark green reaction rims. The scheelite mineralisation is weak coarse and patchy throughout. The core grades to garnet pyroxene hornfels below 166'.		
170 51.81	211 64.31			Garnet Hornfels, green-brown and crystalline with good fine disseminated scheelite mineralisation. SAMPLED		
				173.5 to 178	0.52	
				178 to 182	1.50	
				182 to 185	1.36	
				185 to 187	0.16	
				187 to 192	1.48	
				192 to 197	1.34	
				197 to 200	1.28	
				200 to 203.5	1.23	
				203.5 to 206	0.50	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 207

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
211	222			Calcite Hornfels, fine grained grey and crystalline to massive and thinly bedded. 211' - 212.5' Pyroxene Hornfels. SAMPLED 206 - 211'	0.08	
				211 - 216	0.06	
				216 - 221	0.00	
				221 - 227.5	0.09	
				227.5 - 229	0.75	
				229 - 234.5	0.70	
				234.5 - 238.5	0.45	
				238.5 - 241.5	1.97	
				241.5 - 245.5	0.29	
				245.5 - 250	0.60	
				250 - 251	0.63	
222 67.65	227.5 69.34			Biotite Hornfels, dark grey, fine grained and thinly bedded.		
227.5	283 86.26			Hybrid Rock, interbedded garnet hornfels, garnet pyroxene hornfels with some pyroxene hornfels and minor biotite hornfels and calcite hornfels. There is good disseminated scheelite associated with the garnet hornfels and garnet pyroxene hornfels. SAMPLED 251 - 254.5	0.30	
				254.5 - 259.5	0.05	
				259.5 - 263.5	0.20	
				263.5 - 267	0.48	
				267 - 271.5	0.05	
				271.5 - 274.5	0.05	
				274.5 - 279.5	1.72	
				279.5 - 283	0.12	
283	304 92.66			Hybrid Rock, thinly bedded biotite hornfels, pyroxene hornfels. 298 - 299.5' Calcite Hornfels.		
304	309 96.18			Older Volcanics, green and fine grained with biotite flecks.		
309	315			Mainly Biotite Actinolite Hornfels with thin bands of pyroxene hornfels. HOLE COMPLETED AT 315 FEET		

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. D 207

PLANNING

PROPOSER: DEPTH:

LOCATION:

PURPOSE OF HOLE:

PROPOSED CO-ORDS: E N

INCLINATION:

BEARING: ^{o}GRID ^{o}MAG

TARGET: E N

DEPTH:

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: ^{o}GRID ^{o}MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 219800 E 564060.5 N

R.L. OF COLLAR: 6.65m (from G1-8, ELLISTON, Report on Ore Resource of #1 Ore Body, KI, 8/69)

INCLINATION OF HOLE: 55^{o}

PICKED UP BY: DATE:

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 96m

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. D 207.

SAMPLE NO.	DEPTH (~~METRES~~) (feet)			Length Rec.	ELEMENTS			COMMENTS
	From	To	Length		WO_3	Mo		
	173'6"	178'	4'6"					
	178'	182'	4'					
	182'	185'	3'					
	185'	187'	2'					
	187'	192'	5'					32' at 1.16%
	192'	197'	5'					
	197'	200'	3'					
	200'	203'6"	3'6"					
	203'6"	206'	2'6"					
	206'	211'	5'					
	211'	216'	5'					
	216'	221'	5'					
	221'	227'6"	6'6"					
	227'6"	229'	1'6"					
	229'	234'6"	5'6"					
	234'6"	238'6"	4'		1.09			
	238'6"	241'6"	3'		0.67			
	241'6"	245'6"	4'		0.37			
	245'6"	250'	4'6"		0.76			
	250'	251'	1'		0.50			
	251'	254'6"	3'6"		1.02			52' at 0.5%
	254'6"	259'6"	5'		0.54			
	259'6"	263'6"	4'		0.25			
	263'6"	267'	3'6"		1.16			
	267'	271'6"	4'6"		0.91			
	271'6"	274'6"	3'		0.83			
	274'6"	279'6"	5'		0.04			
	279'6"	283'	3'6"		0.09			

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. D 207

0' 50' Volcanics, fine grained green, massive lava etc.

45' - 50' Aplite

50' 53' PYROXENE HORNFELS

Green mainly fine grained massive.

51' - 52' 6" High grade fine disseminated scheelite mineralisation.

53' 67' HYBRID ROCK

Mainly biotite hornfels with thin bands of pyroxene hornfels.

61' - 6" Aplite
62' - 3" Aplite
63' - 6" Aplite

67' 73' APLITE

Cream coloured fine grained.

73' 89' ACTINOLITE HORNFELS

Green fine grained massive with minor biotite.

78' 6" - 80' 6" Aplite

89' 100' 6' PYROXENE HORNFELS

Fine grained massive to thinly bedded with patches of light brown garnet.

100' 6" 109' CALCITE HORNFELS

Light grey fine grained mainly massive.

109' 116' PYROXENE HORNFELS

Mainly green pyroxene hornfels with patches of garnet pyroxene. hornfels disseminated scheelite in part.

116' 157' 6" HYBRID ROCK

Mainly biotite hornfels with patches and thin bands of pyroxene hornfels.

Pyroxene hornfels dominant below 137' with very weak patchy scheelite mineralisation.

151' 6' 170' PYROXENE GARNET HORNFELS

Green pyroxene hornfels with light brown garnet crystals. in places showing dark green reaction rims. Weak, coarse, patchy scheelite mineralisation throughout grades to garnet pyroxene hornfels below 166'.

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. D 207

170'	211'	GARNET HORNFELS
		Green brown crystalline garnet hornfels with good fine disseminated scheelite mineralisation.
211'	222'	CALCITE HORNFELS
		Fine grained grey crystalline to massive and thinly bedded.
		211' - 212' 6" Pyroxene hornfels
222'	227' 6"	BIOTITE HORNFELS
		Dark fine grained thinly bedded.
227' 6"	283'	HYBRID ROCK
		Interbedded garnet hornfels, garnet pyroxene hornfels with pyroxene hornfels minor biotite hornfels and marble good disseminated scheelite associated with the garnet hornfels and garnet hornfels.
283'	304'	HYRBRID ROCK
		Thinly bedded biotite hornfels/pyroxene hornfels.
		298' - 299' 6" Marble
304'	309'	OLDER VOLCANICS
		Green fine grained with biotite flecks.
309'	315'	Mainly biotite hornfels with thin bands of pyroxene.

EOH 315'

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 207

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	43.22 109.0	34.74 114.0	5.0	1.34			B lens
4890	43.28 142.0	144.0	2.0	0.01	<0.01		
4891	43.89 144.0	146.0	2.0	0.13	<0.01		
4892	44.50 146.0	148.0	2.0	0.12	<0.01		
4893	45.11 148.0	150.0	2.0	0.01	<0.01		
4894	45.72 150.0	152.0	2.0	0.49	0.03		
4895	46.33 152.0	154.0	2.0	0.24	<0.01		
4896	46.93 154.0	156.0	2.0	0.17	<0.01		
4897	47.55 156.0	158.0	2.0	0.07	<0.01		
4898	48.15 158.0	160.0	2.0	0.12	<0.01		
4899	48.76 160.0	164.0	4.0	0.06	<0.01		
4901	49.98 164.0	166.0	2.0	0.03	<0.01		
4902	50.59 166.0	168.0	2.0	0.04	<0.01		
4903	51.21 168.0	170.0	2.0	0.04	<0.01		
4904	51.82 170.0	172.0	2.0	0.03	<0.01		
4905	52.43 172.0	53.03 174.0	2.0	0.11	<0.01		
	173.5	178.0	4.5	0.62	0.60	2.34	
	54.25 178.0	182.0	4.0	1.50	1.53	6.00	
	55.47 182.0	185.0	3.0	1.36	1.39	4.08	
	56.38 185.0	187.0	2.0	0.16	0.16	0.32	9.9m at 1.12%
	56.99 187.0	192.0	5.0	1.48	1.41	7.40	32.5' at 1.16%
	58.52 192.0	197.0	5.0	1.34	1.71	6.70	WO_3
	60.04 197.0	200.0	3.0	1.28	1.28	3.84	
	60.96 200.0	203.5	3.5	1.24	1.37	4.34	
	62.03 203.5	206.0	2.5	0.50	0.48	1.25	
	62.79 206.0	211.0	5.0	0.08	0.09	0.40	
	64.31 211.0	216.0	4.0	0.06	0.02	0.24	
	65.84 216.0	221.0	5.0	0.00	0.01	0.00	
	67.36 221.0	227.5	6.5	0.09	0.02	0.59	
	69.34 227.5	229.0	1.5	0.75	0.52	1.13	
	67.79 229.0	234.5	5.5	0.70	0.13	3.85	
	71.42 234.5	238.5	4.0	0.45	2.10	1.80	
	72.69 238.5	241.5	3.0	1.97	0.24	5.91	14.3m at 0.56%
	73.61 241.5	245.5	4.0	0.29	0.06	1.16	4' at 0.66
	74.83 245.5	250.0	4.5	0.60	0.67	2.70	52' at 0.[illegible]%
	76.20 250.0	251.0	1.0	0.63	0.27	0.63	WO_3
	76.50 251.0	254.5	3.5	0.30	0.27	1.05	
	77.57 254.5	259.5	5.0	0.05	0.34	0.25	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 207

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	259.5	263.5	4.0	0.20	0.72	0.80	
	263.5	267.0	3.5	0.48	0.68	1.68	
	267.0	271.5	4.5	0.05	0.21	1.23	
	271.5	274.5	3.0	~~0.05~~ 1.72	1.85	~~0.150~~ 8.60	
	274.5	279.5	5.0	~~1.72~~ 0.05		~~8.60~~ 0.25	
	279.5	283.0	3.5	0.12		~~0~~.42	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 207 (Reassay Sept. 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	% Check Assay		
B 1251	173.5	178	4.5	0.60		2.70	
2	178	182	4	1.53		6.12	32.5' at
3	182	185	3	1.39		4.17	1.18%
4	185	187	2	0.16		0.32	
5	187	192	5	1.41		7.05	
6	192	197	5	1.71		8.55	
7	197	200	3	1.28	1.23	3.84	
8	200	203.5	3.5	1.27		4.44	
9	203.5	206	2.5	0.48		1.20	
60	206	211	5	0.09		.45	
1	211	216	5	0.02		.10	
2	216	221	5	0.01		.05	
3	221	227.5	6.5	0.02		.13	
4	227.5	229	1.5	0.52	0.55	.78	
5	229	234.5	5.5	0.13	0.17	.71	
6	234.5	238.5	4.0	2.10	2.15	8.40	
7	238.5	241.5	3.0	0.24	0.25	.72	
8	241.5	245.5	4.0	0.06	0.05	.24	
9	245.5	250	4.5	0.67	0.68	3.01	
70	250	251	1.0	0.27	0.28	0.27	
1	251	254.5	3.5	0.27	0.26	0.94	
2	254.5	259.5	5.0	0.34	0.34	1.70	29' at
3	259.5	263.5	4.0	0.72	0.68	2.88	0.61% WO3
4	263.5	267	3.5	0.68	0.68	2.38	
5	267	271.5	4.5	0.21	0.20	0.94	
B 1276	271.5	274.5	3.0	1.85	1.92	5.55	

DDH 207
1:500

564 000 N

564 050 N

DDH 207

219 800 E
(Section Line)

DDH 207

RL = ~~6.65m~~

55°

Extrapolated from Section G1-8 (ELLISTON; Report on Ore Resource of the No.1 Ore Body, King Island Aug '69)

ISG SECTION

SECTION IN PLANE OF HOLE

Line 11, Open Cut

282 Feet

229.23S, 35.80E

75°

12°

8/9/1967

20/9/1967

I.S.G. Co-ords: 219,649·7E / 564,139·1N ; R.L. = 2·3m

0	70 (21·34)		Actinolite Hornfels, fine grained and massive to thinly bedded. 49 - 53 pyroxene hornfels with blebs of pyrite showing light green reaction rims. It grades to biotite actinolite hornfels over the bottom 3 feet.
70	117 (35·66)		Pyroxene Garnet Hornfels, weakly developed, green brown, medium grained and massive with scattered scheelite mineralisation throughout.
	124.5 (37·96)		Garnet Hornfels, brown coarse grained and crystalline with very weak scheelite mineralisation.
124.5	135 (41·15)		Hybrid Rock, thinly bedded garnet hornfels with pyroxene hornfels and honey coloured garnet bands.

SAMPLED

117	-	121.5	0.06
121.5	-	125.5	0.08
125.5	-	128.5	0.05
128.5	-	130	0.45
130	-	135.5	0.06
135.5	-	140.5	0.06
140.5	-	146	0.07
146	-	152	0.08
152	-	154	1.03
154	-	157.5	0.01
157.5	-	161.5	0.22
161.5	-	165.5	0.91
165.5	-	170.5	0.08
170.5	-	176.5	0.08
176.5	-	179.5	0.47
179.5	-	186	0.04
186	-	191	0.06
191	-	194	0.05
194	-	196	0.73

135	155.5 (47·40)		Hybrid Rock, mainly calcite hornfels with bands of pyroxene hornfels, biotite hornfels and some minor garnet pyroxene hornfels. The scheelite mineralisation is very weak.
155.5	238 (72·54)		Hybrid Rock, banded pyroxene hornfels, garnet pyroxene hornfels and biotite hornfels up to 1 foot thick. There is fair patchy scheelite mineralisation which is associated with the garnet pyroxene hornfels bands.
238	282 (85·95)		Hybrid Rock, mainly banded biotite hornfels and pyroxene hornfels with some minor thin bands (up to 6" thick) of garnet pyroxene hornfels. The scheelite mineralisation is very weak. 270 - 271 - Calcite Hornfels.

HOLE COMPLETED 282 FEET

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 206

Logged By : PC/MD

~~Posting~~ Re-Assay

Sample No.	FOOTAGES (m) From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
B 0151	38	39	1·0	0.10			
2	39	40	"	0.21			
3	40	41	"	0.04			
4	41	42	"	0.01			
5	42	43	"	0.03			
6	43	44	"	0.12			
7	44	45	"	0.02			
8	45	46	"	0.04			
9	46	47	"	0.66			~~0.66 at 0.66~~
60	47	48	"	0.09			4·0m ~~4m~~ at 0·38m
1	48	49	"	0.04			
2	49	50	"	0.74			~~0.74 at 0.74~~
3	50	51	"	0.05			
4	51	52	"	0.06			
5	52	53	"	0.02			
6	53	54	"	0.10			
7	54	55	"	0.19			
8	55	56	"	0.03			
9	56	57	"	0.02			
70	57	58	"	0.03			2m at 0.40% WO
1	58	59	"	0.53	0.04		1m ~~0.53~~ at 0·53
2	59	60	"	0.26	<0.01		
3	60	61	"	0.01	0·01		
4	61	62	"	0.01	0·01		
5	62	63	"	0.01	0·01		
6	63	65	2.0	0.01	<0·01		
7	65	66	1.0	0.05	<0·01		
8	66	67	"	0.19	0·02		
9	67	68	"	0.13	0·03		
80	68	69	"	0.13	0·03		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 206

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
4915	65.0	70.0	5.0	0.04	0.01		
4916	70.0	72.0	2.0	0.07	0.02		
4917	72.0	74.0	2.0	0.04	0.01		
4918	74.0	76.0	2.0	0.10	0.01		
4919	76.0	78.0	2.0	0.10	0.01		
4920	78.0 (23.8)	80.0	2.0	0.40	0.01	2' at 0.40%	
~~4921~~	~~80.0~~ (25.0)	~~82.0~~ (24.38)	~~2.0~~	~~0.25~~	~~0.01~~	0.5m at 0.40%	
4922	82.0	84.0	2.0	0.06	0.01		
4923	84.0	86.0	2.0	0.02	0.01		
4924	86.0	88.0	2.0	0.24	0.01		
4925	88.0	90.0	2.0	0.03	0.01		
4926	90.0	92.0	2.0	0.13	0.01		
4927	92.0	94.0	2.0	0.11	0.11		
4928	94.0	96.0	2.0	0.02	0.11		
4929	96.0	98.0	2.0	0.03	0.11		
4930	98.0	102.0	4.0	0.08	0.01		
4931	102.0	106.0	4.0	0.06	0.01		
4932	106.0	110.0	4.0	0.03	0.02		
4933	110.0	114.0	4.0	0.02	0.03		
4934	114.0	118.0	4.0	0.03	0.01		
	117.0	121.5	4.5	0.06		0.27	
	121.5	125.5	4.0	0.08		0.32	
	125.5	128.5	3.0	0.05		0.15	
	128.5 (39.17)	130.0	1.5	0.45		0.67	0.5m 1.5' at 0.45% WO_3
	130.0 (39.62)	135.5	5.5	0.06		0.33	
	135.5	140.5	5.0	0.06		0.30	
	140.5	146.0	6.6	0.07		0.46	
	146.0	152	6	0.08		0.48	
	152 (46.33)	154 (46.94)	2	1.03		2.06	4.3m 14' at ~~0.53%~~ 0.51% WO_3 = bulk
	154	157.5	3.5	0.01		0.36	
	157.5	161.5	4	0.22		0.88	
	161.5 (49.23)	165.5 (50.44)	4.5	0.91		4.18	
	165.5	170.5	5	0.08		0.40	
	170.5	176.5	6	0.08		0.48	
	176.5 (53.80)	179.5	3	0.47		1.41	0.9m at 0.47%
	179.5 (54.71)	186	6.5	0.04		0.66	
	186	191	5	0.06		0.30	
	191	194	3	0.05		0.15	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 206

Logged By: _____

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To.	Length	WO_3	Mo		
	194.	196	2	0.73		1.46	0.6m at 0.73%. 2' at 0.73
	196.0	201	5	0.22		1.10	
	201	206	5	0.06			
	206	211	5	0.06			
	211	216	5	0.07			
	216	221	5	0.31			5' at 0.31
	221	226	5	0.16			
	226	230.5	4.5	0.19			
	230.5	234.5	4	0.19			

DDH 206
1:500.

Section Line

DDH 206

DDH 206

RL = 2.29m.

85.95m.

15G SECTION
LOOKING E.

SECTION IN PLANE
OF HOLE

Line 9 - Open Cut

213 Feet

55°

278.845, 310.06E

12°

31/8/1967

7/9/1967

I.S.G. Co-ords: 219,730·2 E / 564,112·0 N ; R.L. = -0·1 M

			Description	
0	26		Broken core of biotite, biotite actinolite hornfels with some bands of aplite.	
26	94		Actinolite Hornfels, grey fine grained and massive to weakly bedded with some occasional calcite stringers and patches of pyrite mineralisation.	
94	122.5		Pyroxene Garnet Hornfels, relatively poorly developed with a few calcite cores garnets showing reaction rims. The scheelite mineralisation is scattered and weak, associated with patches of garnet pyroxene hornfels mainly.	
			SAMPLED	
			94.5 - 100	0.23
			100 - 104.5	0.45
			104.5 - 109.5	0.50
			109.5 - 114	0.06
			114 - 120	0.06
			120 - 125	0.10
			125 - 129.5	0.16
			129.5 - 135.5	0.03
			135.5 - 140.5	1.23
122.5	140.5		Garnet Pyroxene Hornfels, green brown fine to medium grained and crystalline with weak scheelite mineralisation throughout.	
140.5	150		Garnet Hornfels, brown medium grained and crystalline with good disseminated scheelite mineralisation. It becomes patchy below 142 feet.	
150	165	m/m	Hybrid Rock, mainly pyroxene hornfels with bands of garnet pyroxene hornfels and with very weak patchy scheelite mineralisation. 159' - 160.5' - Calcite Hornfels.	
165	175.5		Hybrid Rock, garnet hornfels and garnet pyroxene hornfels with bands of pyroxene hornfels up to 2' thick. The scheelite mineralisation is fair and patchy. 174' - 175.5 - Garnet pyroxene hornfels which shows disturbed bedding.	
175	183	ΔΔ	Biotite Hornfels, in fault breccia with brecciated biotite actinolite hornfels. Only 5.5' of core was recovered.	
53.34	55.77			
183	189	Δ	Biotite Actinolite Hornfels, grey actinolite hornfels with spots of biotite hornfels. The core is broken in patches.	
55.77	57.61		SAMPLED	
			140.5' to 142	1.07
			142 to 146.5	0.23

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 205 (Reassays Sept. 1972)

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo Check Assay		
B 1167	94.5	100	5.5	0.20	0.20	1.10	
8	100	104.5	4.5	0.41		1.84	2.9m 9.5' at 0.44% WO3
9	104.5	109.5	5	0.48		2.40	
70	109.5	114	4.5	0.05		.22	
1	114	120	6	0.04		.24	
2	120	125	5	0.05		.25	
3	125	129.5	4.5	0.10		.45	
4	129.5	135.5	6.0	0.01		.06	
B 1176	135.5	140.5	5.0	1.12		5.60	2.0 6.5' at 1.10% WO3
1175	140.5	142	1.5	1.02		1.53	
1177	142	146.5	4.5	0.20	0.20	.9	
8	146.5	150	3.5	0.19		.66	
9	150	153.5	3.5	0.04		.14	
80	153.5	158.5	5.0	0.06		.30	
1	158.5	162.5	4.0	0.08		.32	
2	162.5	165	2.5	0.07		.17	
3	165	170.5	5.5	0.23		1.26	
B1184	170.5	175.5	5.0	0.04		.20	
	176	181	5	0.05			
	181	186	5	0.05			
	186	191	5	0.05			
	191	196	5	0.05			

DIAMOND DRILL HOLE 205

Line 9 - Open Cut

Reassay Sept '72.

Logged By:

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L x A	REMARKS
	94.5'	100'	5.5'	0.23 0.20		1.26	
	100'	104.5'	4.5'	0.45 0.35		2.02	9.5' at 0.48% WO_3
	104.5'	109.5'	5.0'	0.50 0.48		2.50	
	109.5'	114.0'	4.5'	0.06 0.05		0.27	
	114.0'	120'	6.0'	0.06 0.04		0.36	
	120'	125'	5.0'	0.10 0.05		0.50	
	125'	129.5'	4.5'	0.16 0.10		0.72	
	129.5'	135.5'	6.0'	0.03 0.01		0.18	
	135.5'	140.5'	5.0'	1.23 1.12		6.15	6.5' at 1.19% WO_3
	140.5'	142'	1.5'	1.07 1.02		1.60	
	142'	146.5'	4.5'	0.23 0.20		1.03	
	146.5'	150'	3.5'	0.23 0.19		0.80	
	150'	153'	3.0'	0.01 0.04		0.03	
	153'	158.5'	5.5'	0.02 0.06		0.11	
	158.5'	162.5'	4.0'	0.17 0.08		0.68	
	162.5'	165.0'	2.5'	0.07 0.07		0.17	
	165.0'	170.5'	5.5'	0.25 0.23		1.37	10.5' at 0.29% WO_3
	170.5'	175.5'	5.0'	0.03 0.04		1.65	
4911	176	181	5.0'	0.05	<0.01		
4912	181	186	5.0'	0.05	"		
4913	186	191	5.0'	0.05	"		
4914	191	196	5.0'	0.03	"		

205

		146.5 - 150	0.23
		150 - 153	0.01
		153 - 158.5	0.62
		158.5 - 162.5	0.17
		162.5 - 165	0.07
		165 - 170.5	0.25
		170.5 - 175.5	0.03
189	195	Calcite Hornfels, grey, fine grained and massive. 189 - 190.5 - pyroxene Hornfels.	
195	213	Hybrid Rock, consists mainly of volcanics with bands of biotite actinolite hornfels and some very occasional calcite.	

HOLE COMPLETED AT 213 FEET

Line 8 - Open Cut -17.59 Feet

267 Feet S1.38 99672-1 327.93S, 448.82E

55° 25°

18/8/1967 30/8/1967

I.S.G. Co-ords: 219,769·8E / 564,091·1N ; R.L. = -2·1 m.

0	6	Broken Core with some brecciated pyroxene hornfels.	
6	31	Biotite Hornfels, mainly dark grey biotite hornfels with some green pyroxene bands and patches of biotite rich pyroxene hornfels.	
31	44	Hybrid Rock, mainly calcite hornfels with bands of pyroxene hornfels and some occasional patches with brown garnets. There is weak scheelite mineralisation in patches. SAMPLED 31 - 36.5 36.5 - 41.5 41.5 - 45	 0.38 0.07 0.13
44	47	Pyroxene Hornfels, green, fine grained and massive.	
47	69	Hybrid Rock, mainly biotite hornfels with thin bands of pyroxene hornfels. Aplite - 49.5 for 6" 53' to 54' 55' to 59'	
69	90	Aplite, grey, pink and white and fine to medium grained. 74' - 77.5' the core is broken and brecciated (Shear zone). Brecciated 80' - 80.5'	
[illegible]	126	Actinolite Hornfels, dark grey to light grey fine grained and mainly massive. 96' - 97.5' - Aplite with some blue fluorescing scheelite. There is a 2" quartz vein at 100'. 119.5' - 121.5' - vein and lump filling of pyrite with some weak associated scheelite mineralisation.	
126	144	Garnet Pyroxene Hornfels, the core is ~~possibly~~ pyroxene garnet hornfels and is green brown, medium grained and massive. There is weak scattered scheelite mineralisation throughout. 136.5 - 137.5 - grey calcite hornfels with some pyrite.	
144	149	Aplite, fine grained and cream coloured.	
149	158.5	Garnet Pyroxene Hornfels, fine to medium grained and massive with patches of garnet hornfels and scattered scheelite mineralisation.	
158.5	179.5	Garnet Hornfels, fine to medium grained with some good disseminated scheelite mineralisation. There are also occasional patches and bands of pyroxene hornfels and garnet pyroxene hornfels with no scheelite mineralisation below 179' except for possible banded footwall ore.	

DIAMOND DRILL HOLE 204

Reassay Sept '72.

Logged By:

SAMPLE	FOOTAGES			ASSAY		L X A	REMARKS
	From	To	Length	WO_3	Mo		
	9.4						
	31.0'	36.5'	5.5'	0.38			5.5' at 0.38 WO_3
	11.1						
	36.5'	41.5'	5.5'	0.07			
	12.6						
	41.5'	45.0'	3.5'	0.13			
	38.7			0.25			
	127'	132.5'	5.5'	0.27		1.48	
	40.4			0.14			
	132.5'	136.5'	4.0'	0.14		0.56	
	41.6			0.07			17.5' at
	136.5'	142.0'	6.0'	0.12		0.72	0.25% WO_3
	43.3	44.0		0.60			
	142.0'	144.5'	2.5'	0.57		1.42	
	46.5			0.32			
	152.5'	157.0'	4.5'	0.37			
	47.8			0.73			
	157.0'	162.0'	5.0'	0.69			
	49.4		2	0.76			
	162.0'	164.0'	6.0'	0.83			27' at
	50.0			0.25			
	164.0'	167.0'	3.0'	0.23			0.47% WO
	50.9			0.95			
	167.0'	168.0'	1.0'	0.93			
	51.2			0.18			
	168.0'	170.5'	2.5'	0.12			
	52			0.43			
	170.5'	175.0'	4.5'	0.51			
	53.3	54.7		0.29			
	175.0'	179.5'	4.5'	0.40			
	58.5			0.63			
	192.0'	197.0'	5.0'	0.63			11' at
	60.0	61.9		0.25			
	197.0'	203.0'	6.0'	0.29			0.45% WO_3
4505	203	205	2.0'	0.07	<0.01		
4506	205	207	"	0.03	"		
4507	207	209	"	0.05	0.01		
4508	209	211	"	0.02	<0.01		
4509	211	213	"	0.02	"		
4510	213	215	"	0.02	0.01		
4511	215	217	"	0.03	<0.01		
4512	217	219	"	0.03	"		
4513	219	221	"	0.03	"		
4514	221	223	"	0.06	"		
4515	223	225	"	1.30	"	0.61m	1.3%
4516	225	227	"	0.04	"		
4517	227	229	"	0.09	"		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: **204 (Reassays Sept. 1972.)**

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Check Assay		
B 1191	127	132.5	5.5	0.25		1.37	
2	132.5	136.5	4.0	0.14		0.56	
3	136.5	142	5.5	0.07		0.38	
4	142	144.5	2.5	0.60	0.58	1.50	
5	152.5	157	4.5	0.30	0.35	1.35	
6	157	162	5	0.73		3.65	
7	162	164	2	0.76	0.77	1.52	27' at
8	164	167	3	0.25	0.25	0.75	0.44% WO3
9	167	168	1	0.95		0.95	
1200	168	170.5	2.5	0.18		0.45	
1	170.5	175	4.5	0.43		1.93	
B1202	175	179.5	4.5	0.29	0.35	1.30	
B1204	192	197	5	0.63		3.15	11' at
1203	197	203	6	0.25		1.50	0.42% WO3

179.5	197	Aplite, creamy to grey and fine to medium grained.
197	202	Hybrid Rock, bands of mainly garnet hornfels and garnet pyroxene hornfels with pyroxene hornfels. There is fair scheelite mineralisation as bands, both within the garnet hornfels and garnet pyroxene hornfels. There is also pyrite mineralisation associated with coarse grained pyroxene hornfels and with the quartzite.
202	211	Hybrid Rock, mainly white coloured with green pyroxene hornfels, being chiefly calcite with white quartz and very marked pyrite mineralisation. There is also some very weak scheelite mineralisation. White Quartz - 200.5' - 202'.
211	220	Hybrid Rock, consists of mainly green coarse grained and crystalline pyroxene hornfels with some calcite and quartz. There is very marked pyrite mineralisation, and very weak scheelite mineralisation which is associated with bands of garnet pyroxene hornfels which have rims and patches of pyrite. It is possibly fault material.
220	267	Hybrid Rock, thinly bedded biotite hornfels and pyroxene hornfels with patches and veins of pyrite. There is very occasional weak scheelite mineralisation with numerous stringers and veins of Aplite. Aplite 257' - 258'.

HOLE COMPLETED AT 267 FEET

SAMPLED		
127	- 132.5	0.27
132.5'	- 136.5	0.14
136.5	- 142	0.12
142	- 144.5	0.57
152.5	- 157	0.37
157	- 162	0.69
162	- 164	0.83
164	- 167	[illegible]
167	- 168	[illegible]
168	- 170.5	0.12
170	- 175	0.51
175	- 179.5	0.40
192	- 197	[illegible]
197	- 203	0.09

DDH 204
1:500

219,800E
(Section Line)

5641500N

5641000N

20m @ 55°

DDH 204

SECTION 219,760E

DDH 204
RL = -2.06 m.

20m @ 55°

ISG
SECTION LOOKING E

SECTION IN PLANE
OF HOLE.

DIAMOND DRILL CORE LOG SHEET

Hole No. 203A

Location Beach Section 6N (4' Sth. of Section) Elevation -4.78 Feet +10.81 = 6.03

Final Depth 653.5 Feet (199.2m) Co-Ords. 9675.7 324.3S, 2158.43E

Dip 75° Bearing 315°

Date Commenced 19/8/1967 Date Completed 28/9/1967

I.S.G. Co-ords: 220,285.6E/564,016.7N ; R.L. = 1.8m.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	210	210		Volcanics		
210 (64m)	386 (117.7m)	176		Volcanics, the core becomes more solid after 217'. 239' - 241' core is broken 275' - 287' broken and brecciated core in patches. 308' - 318' Broken and brecciated core. There are thin patches and bands of biotite hornfels below 330'.		
386	441 (134.4m)	155		Biotite Hornfels, it grades from banded biotite hornfels and volcanics above to biotite hornfels with thin bands of volcanics. 406' - 406.5' pyroxene hornfels with scheelite mineralisation and some scattered MoS_2. Lost Core 424' - 434' 6' 434' - 441' 2'		
441	493 (150.3m)	52		Pyroxene Garnet Hornfels, green pyroxene hornfels with some coarse honey coloured garnets, some of them with calcite cores and showing dark green reaction rims. There is scattered coarse scheelite mineralisation and it grades to pyroxene hornfels in places. 480' - 493' core is brecciated and recemented.		
493	545 (166.1m)	52		Garnet Hornfels, brown medium grained to coarse grained and crystalline with some good scheelite mineralisation. There was poor recovery between 493' and 530'. Lost Core 493' - 503' 5.5' 503' - 512' 4' 512' - 522.5' 6' 522' - 530' 3.5' SAMPLED 493' - 503' 1.02 503 - 512 1.45 512 - 522 1.06 522 - 530 0.97 530 - 534 1.21 534 - 538.5 0.92 538.5- 541.5 1.64 541.5- 545 0.76 545 - 550 0.38		
545	553 (168.6m)	8		Hybrid Rock mainly pyroxene hornfels with minor bands of biotite hornfels and garnet pyroxene hornfels. There is very weak scheelite mineralisation which is associated with the garnet pyroxene hornfels.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 203A

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
553	618 188.4 m	65		Hybrid Rock, thinly bedded garnet pyroxene hornfels with pyroxene hornfels and minor biotite hornfels. The core is broken in patches and weakly brecciated with good disseminated scheelite which is associated with the garnet pyroxene hornfels bands. SAMPLED 550' - 553' 0.17 553' - 556.5 0.90 556.5- 560 3.32 560 - 562.5 0.73 562.5- 564.5 1.32 564.5- 568 0.50 568 - 573 1.61 573 - 582 1.16 570 - 580 4.5' Lost Core 582 - 585 0.60 585 - 590 0.77 590 - 595 0.58 595 - 597.5 0.15 597.5- 601.5 0.72 601.5- 606 1.33 606 - 610 0.32 610 - 615 1.26 615 - 618 1.20 615 - 618 1' Lost Core		
618	634 193.2 m	16		Hybrid Rock, thinly bedded biotite hornfels and pyroxene hornfels with some minor calcite hornfels and light brown garnets.		
634	653.5 199.2 m	19.5		Older Volcanics, green and fine grained with some biotite crystals. HOLE COMPLETED AT 653.5 FEET		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 203A

Logged By :

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
C 0613	440.5 (134.1)	445.0		0.05	(0.01		
4	445.0 (135.6)	449.5		0.04	0.01		
5	449.5 (137.0)	454.0		0.07	(0.01		
6	454.0 (138.4)	458.0		0.04	(0.01		
7	458.0 (139.6)	462.0	4	4.54	0.14	16.00	20' (6.09m) at
8	462.0 (140.8)	466.0	4	3.80	0.14	15.20	
9	466.0 (142.0)	470.0	4	0.11	0.03	0.43	1.82% WO3
20	470.0 (143.3)	474.0	4	0.05	(0.01	0.20	
1	474.0 (144.5)	478.0	4	1.16	0.04	4.64	
2	478.0 (145.7)	482.0	4	0.06	0.01	0.24 (36.48)	
3	482.0 (146.9)	486.0	4	0.06	0.02	0.24	
4	486.0 (148.1)	490.0	4	0.06	0.02	0.24	
5	490.0 (149.4)	493.0	3	1.86	0.05	5.59	
6	493 (150.3)	503	10	0.80	0.02	8.00	
5032	503 (153.3)	512	9.	1.45	0.14	13.05	128' at 1.02%
3	512 (156.1)	522	10	1.06	0.07	10.60	(39.0)
4	522 (159.1)	530	8	0.97	0.06	7.76	
5	530 (161.5)	534	4	1.21	0.10	4.84	
6	534 (162.8)	538	4.5	0.92	0.01	4.14	
7	538 (164.0)	541.5	3.0	1.64	0.01	4.92	
8	541.5 (165.0)	545.0	3.5	0.76	0.04	2.66	
9	545.0 (166.1)	550.0	5.0	0.381	(0.01	1.90	
40	550 (167.6)	553	3	0.17	(0.01	0.51	[redacted]' at
1	553 (168.5)	556.5	3.5	0.90	0.07	3.15	
2	556.5 (169.6)	560	3.5	3.32	0.12	11.62	total C
3	560 (170.7)	562.5	2.5	0.73	0.04	1.83	
4	562.5 (171.5)	564.5	2	1.32	0.06	2.64	160' at 1.05%
5	564.5 (172.1)	568	3.5	0.50	0.03	1.75	(48.8m)
6	568 (173.1)	573	5	1.61	0.07	8.05	
7	573 (174.7)	582	9	1.16	0.03	10.44	
8	582 (177.4)	585	3.	0.60	(0.01	1.80	
9	585 (178.3)	590	5	0.77	0.01	3.85	
C 0627	590 (179.8)	595	5	0.48	0.01	2.40	
5050	595 (181.3)	597.5	2.5	0.15	0.01	0.38	
C 0628	597.5 (182.1)	601.5	4	0.52	0.03	2.08	
5051	601.5 (183.3)	606	4.5	1.33	0.03	5.99	
2	606 (184.7)	610	4	0.32	0.01	1.28	
3	610 (185.9)	615	5	1.26	0.08	6.30	
C 0629	615 (187.4)	618	3	1.04	0.03	3.12 (130.59)	
A 1491	618 (188.3)	622	2 (125.0)	0.08	(0.01	0.16	
A 1492	622 (189.6)	624 (190.2)	2	0.05	0.073	0.10	

DIAMOND DRILL CORE LOG SHEET

Hole no. 203

Location Beach Section 6N

Elevation -4.78 Feet 10.96 4.78 6.03 (1.8m)

Final Depth 210 Feet (64m)

Co-Ords. 99679.7 320.3S, 2158.43E

Dip 75°

Bearing 315°

Date Commenced 25/7/67

Date Completed 7/8/67

I.S.G. Co-ords: 220,285·8 E | 564,017·9 N ; R.L. = 1·8m.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay Ozs.	Assay %
0	71	71		No core		
71 (21.6m)	210 (64.0m)	139		Volcanics, fine grained grey-green and massive lavas, tuffs etc. 160' - 190' core badly broken 153' - 195' Lost Core with 20' recovery. Core broken to 210'. HOLE ABANDONED AT 210 FEET		

DIAMOND DRILL CORE LOG SHEET [redacted] No. 202

Location Beach Section 8N — Elevation 5.49 Feet +10.81 = 16.30 (5m)

Final Depth 565 Feet (172.2m) — Co-Ords. 190.45N, 1949.12E

Dip Vertical — Bearing -

Date Commenced 15/7/67 — Date Completed 7/8/67

I.S.G. Co-ords: 220,245.2E / 564,181.2N; RL = 5.0 m.

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3
0	68	68		No core	
68 (20.7m)	102 (31.1m)	34		Biotite Actinolite Hornfels, mainly dark grey biotite actinolite hornfels with bedded bands of pyroxene hornfels which are up to 2' thick. ovoids of pyroxene	
102	107 (32.6m)	5		Pyroxene Hornfels, green fine grained and massive.	
107	191 (58.2m)	84		Biotite Actinolite Hornfels, dark grey with occasional light grey spots. There are also some thin bands of pyroxene hornfels in patches. Between 137' and 149' there are patches of broken core while it is brecciated between 185.5' and 189' with a bump of calcite hornfels.	
191	204 (62.2m)	13		Hybrid Rock, thinly banded biotite hornfels, biotite actinolite hornfels, with some bands of pyroxene hornfels up to 1' thick. The core is broken in patches and grades into pyroxene hornfels near the bottom.	
204	221.5 (67.5m)	17.5		Pyroxene Hornfels, light green, fine grained and thinly banded with very occasional weak scheelite mineralisation. Aplite 205' - 205.5'	
221.5	263 (80.2m)	41.5		Garnet pyroxene Hornfels, mainly green-brown pyroxene hornfels with some patches and bands of pyroxene hornfels. There is good scheelite mineralisation below 232' with some coarse crystals associated quartz veins, that is between 234' and 237.5' and at 245.5' 249.5' and 257.5'.	Altered pyroxene
				SAMPLED	
				232' - 236'	1.12
				236 - 237	4.15
				237 - 241	2.03
				241 - 245	3.96
				245 - 248	0.36
				248 - 249	Lost High Gra
				249 - 254	1.00
				254 - 259	3.65
				The core grades to pyroxene hornfels at the base.	
263	281 (85.6m)	18		Hybrid Rock, consists of green pyroxene hornfels with grey bands of biotite hornfels which are up to 2' thick with some patches of spotted rocks similar to volcanics. 269'4" Coarse band of scheelite crystals 267 - 272.5' Core is broken and sheared.	
281	360 (109.7m)	79		Quartzite - fine grained grey to dark grey and massive. It is broken and brecciated in part and is particularly bad between 350.5' and 362'.	

350.5

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 202

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
360	367 111.9m	7		Biotite Hornfels, badly sheared with abundant calcite veins, some containing pyrite. 362' - 367' Breccia.		
367	373 113.7m	6		Garnet Pyroxene Hornfels - green-brown medium grained and crystalline with some pyrite mineralisation but no scheelite. There are also patches of pyroxene hornfels and biotite hornfels within the breccia material.		
373	377 114.9m	4		Pyroxene Garnet Hornfels - fine grained dark green ground mass with coarse garnets showing reaction rims.		
377	391 119.2m	14		Hybrid Rock, bedded garnet pyroxene hornfels with pyroxene hornfels and biotite hornfels often associated within the breccia. There is very weak scattered scheelite mineralisation.		
391	424 129.2m	33		Hybrid Rock, pyroxene garnet hornfels, fine grained green ground mass, with large lumps of garnets. It is brecciated in parts, with some patches of pyroxene hornfels, garnet pyroxene hornfels and occasional biotite hornfels. There are some calcite filling and pyrite mineralisation present.		
424	450 137.2m	26		Biotite Hornfels, dark grey fine grained and finely bedded. It grades to biotite actinolite hornfels near bottom.		
450	471 143.6m	21		Actinolite Hornfels, grey fine grained and massive to thinly bedded. It grades to biotite actinolite hornfels at bottom.		
471	487 148.4m	16		Hybrid Rock, mainly green pyroxene hornfels which is coarsely crystalline in part with patches of garnet pyroxene hornfels. There is disturbed bedding between 478' and 481' with some coarse crystalline scheelite associated with quartz veins.		
487	500 152.4m	13		Garnet Pyroxene Hornfels, green-brown garnet pyroxene hornfels with some patchy disseminated scheelite mineralisation andoccasional patches and bands of pyroxene hornfels. 496' - 500' coarse crystalline pyroxene hornfels. 473' - 492' only 16' core recovered.		
500	531 161.8m	31		Garnet Hornfels, coarse crystalline garnet hornfels with some patches of crystalline garnet pyroxene		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 202

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
				hornfels. There is scattered disseminated scheelite throughout which is sometimes coarse when associated with quartz. 521' - 522' Quartz patch with chalcopyrite. The core grades to garnet pyroxene hornfels towards the base.		
531	553.5 168.7m	22.5		Hybrid Rock, alternating bands of biotite hornfels and pyroxene hornfels which are up to 1' thick. SAMPLED		
				500' - 505	0.48	
				505 - 510	0.76	
				510 - 512	3.80	
				512 - 517.5	0.52	
				517.5- 524	1.07	
				524 - 529	0.49	
				529 - 532	0.51	
				550' - 553.5' Breccia, clayey.		
553.5	565 172.2m	12.5		Quartzite, green and grey fine grained and massive to finely bedded. This could be bedded quartzite.		
				565 FEET - HOLE COMPLETED		

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 202

Logged By :

	Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
	A 1493	222	224	2	0.11	0.016	0.22	
	4	224	226	2	1.70		3.40	
	5	226	228	2	0.36	0.022	0.72	
	6	228	230	2	0.40	0.03	0.80	10.67 m at
5029		230	232	2	.62	.02	1.24	
	C 0630	232	236	4	1.10	0.08	4.40	1.84% WO_3
	1	236	237	1	4.13	0.26	4.13	
	2	237	241	4	1.82	0.07	7.28	$\bar{x}$ = 1.31% Loss.
	3	241	245	4	4.40	0.18	17.60	
	4	245	248	3	0.34	0.01	1.02	
	5	249	254	5	0.95	0.15	4.75	
	6	254	259	5	3.58	0.14	17.90	1.84%
5030		259	260	1	1.29		1.29	
	A 1497	260	262	2	0.16	0.02	0.32	70.7 - 79.2
	8	262	264	2	0.06	0.024	0.12	8.5 = 0 1.6%
	9	264	266	2	0.07	0.024	0.14	
	A 1500	266	268	2	0.09	0.017	0.18	
	A 1540	476	478	2	2.00	0.031	4.00	
	A 1539	478	480	2	0.11	0.024	0.22	
	8	480	482	2	3.30	0.051	6.60	18.28 m at
	7	482	484	2	4.60	0.078	9.20	
	6	484	486	2	6.70	0.078	13.40	1.12% WO_3
	5	486	488	2	0.30	0.013	0.60	
	4	488	490	2	0.15		0.30	
	3	490	492	2	0.80	0.022	1.60	
	2	492	494	2	0.44	0.027	0.88	
	1	494	496	2	0.30	0.017	0.60	
5031		496	498	2				
		498	499	1	0.46		2.30	
		499	500	1				
	C 0637	500	505	5	0.44	0.05	2.20	
	8	505	510	5	0.79	0.02	3.95	
	9	510	512	2	3.90	0.18	7.80	
	40	512	517.5	5.5	0.46	0.01	2.53	
	1	517.5	524	6.5	1.05	0.03	6.82	
	2	524	529	5	0.51	0.02	2.55	
	3	529	532	3	0.49	0.02	1.47	
	A 1553	532	534	2	0.09	0.029	0.18	
	4	534	536	2	0.28	0.022	0.56	
		536	538	2	Sample missing.			

KING ISLAND SCHEELITE (1947) LIMITED

DIAMOND DRILL CORE LOG SHEETS

Hole No. D.D.H. 201

Location Beach Section No. 7N

Elevation 1-03 +10·81 = 11·84

Final Depth 579' (176·5)

Co-Ords 114.25N, 1889.70E

Dip Vert.

Bearing

Date Commenced 26.6.67.

Date Completed 21.7.67.

I.S.G. Co-ords: 220,223·9 E / 564,160·8 N; R.L. = 3·6 m

Footage From	Footage to	Footage Length	Description	Assays WO_3
0'	43' 13·1m	43'	No core.	
43'	70' 21·3m	27'	Volcanics	
70'	195' 59·4m	125'	Biotite Hornfels; dark grey, fine grained and thinly bedded, grading to biotite actinolite hornfels in places with accasional thin bands of pyroxene hornfels. There is broken core to 120'. 94' - 96' Volcanics.	
195'	232' 70·7m	37'	Pyroxene Hornfels; green, fine grained, massive and also thinly bedded in places with biotite hornfels over the top four feet. There are patches of scheelite mineralisation. 217' - 221' Sampled. 221' - 227'6" Sampled.	0·79 0·12
232'	270' 82·3m	38'	Calcite Hornfels; grey, weakly bedded, medium grained and crystalline with some very weak flecks of scheelite mineralisation. 262' - 263' Scheelite crystals associated with pyroxene hornfels.	
270'	285' 86·9m	15'	Pyroxene Hornfels; patches of garnet pyroxene hornfels with patchy fair scheelite mineralisation in places associated with fractures. 272' - 279'6" Sampled. 279'6" - 285' "	0·25 0·46
285'	289' 88·1m	4'	Calcite Hornfels; grey, medium grained and crystalline.	
289'	297' 90·5m	8'	Garnet Pyroxene Hornfels; brown green, medium grained crystalline and massive with fine, disseminated scheelite mineralisation throughout. 289' - 293' Sampled. 293' - 297' "	0·34 0·49
297'	308' 93·9m	11'	Pyroxene Hornfels; green, fine grained and massive with very weak scheelite mineralisation. This grades into some rock with a volcanic appearance.	
308'	322' 98·1m	14'	Calcite Hornfels; grey, fine to medium grained and crystalline, with very weak scattered scheelite mineralisation.	

Footage From	Footage To	Length	Description	Assays WO
322'	328' (100m)	6'	Garnet Pyroxene Hornfels; green brown, medium grained and crystalline with weak scheelite mineralisation. 322'-324' Fair scheelite mineralisation.	
328'	334' (101.8m)	6'	Biotite Hornfels; fine grained, black and thinly bedded.	
334'	382' (116.4m)	48'	Hybrid Rock; bedded biotite hornfels to actinolite hornfels and pyroxene hornfels. There is some pyrite mineralisation in patches, which is associated with calcite veins. 342' - 346' Garnet pyroxene hornfels with the appearance of pyroxene garnet hornfels and also light brown garnets and green pyroxene hornfels. Actinolite hornfels become dominant from 360' - 374'.	
382'	392' (119.5m)	10'	Actinolite Hornfels; fine grained, grey and massive to thinly bedded.	
392'	402' (122.5m)	10'	Pyroxene Garnet Hornfels; fine grained, green pyroxene hornfels with coarse blebs of calcite, which have brown garnet reaction rims and also green reaction rims. There is weak mineralisation in parts.	
402'	411' (125.3m)	9'	Garnet Pyroxene Hornfels; green brown, medium grained and crystalline, with coarse patchy scheelite mineralisation. 404' - 408' Sampled 408' - 411' "	0.41 1.02
411'	417' (127.1m)	6'	Pyroxene Garnet Hornfels; rather poor pyroxene garnet hornfels with no scheelite mineralisation.	
417'	422'6" (128.8m)	5'6"	Garnet Pyroxene Hornfels; green brown, medium grained and crystalline with very weak scheelite mineralisation.	
422'6"	444' (135.3m)	21'6"	Garnet Hornfels; brown coarse grained and crystalline with patches of garnet pyroxene hornfels. There is good disseminated scheelite mineralisation. It grades to garnet pyroxene hornfels over the lower two feet.	

Footage From	To	Length	Description	Assays WO
			422'6" - 426'6" Sampled	0.21
			426'6" - 431'6" "	1.04
			431'6" - 436' "	1.02
			436' - 441' "	1.20
			441' - 443' "	2.76
			443' - 448' " Full	0.35
			448' - 453' " Core	1.05
			453' - 458' "	0.42
			458' - 463' "	0.67
			463' - 468' "	0.47
			468' - 473' "	0.18
444'	447' 136.2m	3'	Pyroxene Hornfels; green and fine grained with no scheelite mineralisation and also patches of garnet pyroxene hornfels having weak scheelite mineralisation.	
447'	471' 143.6m	24'	Garnet Pyroxene Hornfels; mainly garnet pyroxene hornfels with patches of pyroxene hornfels. The scheelite mineralisation is patchy throughout. Refined BFB	
471'	518' 157.9m	47'	[redacted]; bands of mineralisation garnet pyroxene hornfels with up to one foot deep of pyroxene hornfels, with grossular garnet and some occasional biotite hornfels.	
			473' - 478' Sampled	0.71
			478' - 483' " 478'-480' Stockwork fractures.	0.97
			483' - 488' "	0.26
			488' - 493' " Full	0.75
			493' - 497'6" " Core	0.69
			497'6"-499' "	0.03
			499' - 504' "	0.56
			504' - 509' "	0.28
			509' - 514' "	1.33
518'	579' 176.5m	61'	Hybrid; bands of biotite hornfels and pyroxene hornfels up to one foot thick, but mainly thin with scattered pyrite mineralisation. BFB	
			564' There is six inches of scheelite associated with a calcite veinlet. It becomes very thinly bedded after 568'	
			END OF HOLE 579'	
			536 - 544 - older Volcanics (163.9m) (165.8m)	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 201

Logged By : ?

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
A 1555	211	213	2	0.06	0.021	0.12	
6	213	215	2	0.07	0.018	0.14	
7	215	217	2	0.06	0.024	0.12	
C 0515	217 (66.1)	221	4	0.82	0.04	3.28	A 3.81m at 0.45% WO_3
6	221 (67.4)	227.5	6.5	0.19	0.01	1.24	
A 1558	227.5 (69.3)	229.5	2	0.54	0.01	1.08 (15.6)	
9	229.5 (69.9)	233	3.5	0.17	0.01	0.34	
60	233	235	2	0.01	(0.01	0.02	
1	235	237	2	0.02	(0.01	0.04	
2	260	262	2	0.02	(0.01	0.04	
3	262 (79.9)	264	2	0.27	(0.01	0.54	
4	264	266	2	0.01	(0.01	0.02	
5	266	268	2	0.02	(0.01	0.04	
6	268	270	2	0.01	(0.01	0.02	
7	270 (82.3)	272	2	0.18	(0.01	0.36	
C 0517	272 (82.9)	279.5	7.5	0.25	(0.01	1.88	13' at 0.34%
8	279.5 (85.2)	285	5.5	0.47	0.01	2.58	
A 1568	285 (86.9)	289	4	0.02	(0.01	0.08	B 7.6m at 0.31% WO_3
C 0519	289 (88.1)	293	4	0.35	0.01	1.40	
20	293 (89.3)	297	4	0.46	0.02	1.84 (1.78)	
A 1569	297	299	2	0.06	(0.01	0.12	
70	299 (91.4)	301	2	0.14	(0.01	0.28	
1	401	404	3	0.09	0.024	0.27	
C 0521	404 (123.1)	408	4	0.34	0.03	1.36	2.1m at 0.61% WO_3
2	408 (124.4)	411	3	0.98	0.06	2.94	
3	411 (125.3)	414.5	3.5	0.11	0.02	0.38	
4	414.5 (126.3) 418.5 (127.6)	418.5 422.5	4 4	0.27 0.30	0.02 0.02	1.08 1.20	
5	422.5 (128.8)	426.5	4	0.10	0.02	0.40	
6	426.5 (130)	431.5	5	1.08	0.05	5.40	C
7	431.5 (131.5)	436	4.5	0.98	0.05	4.41	
8	436 (132.9)	441	5	1.24	0.05	6.20	
9	441 (134.4)	443	2	2.95	0.10	5.90	
30	443 (135.0)	448	5	0.30	0.03	1.50	
1	448 (136.6)	453	5	0.98	0.04	4.90	
2	453 (138.1)	458	5	0.43	0.02	2.15	
3	458 (139.6)	463	5	0.49	0.02	2.45	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 201

Logged By :

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo		
C0534	463 (141·1)	468	5	0.82	0.06	4·41	
5	468 (142·6)	473	5	0.18	0.01	0·90	
6	473 (144·2)	478	5	0.52	0.02	2·60	110' at 0.65 %
7	478 (145·7)	483	5	0.88	0.04	4.40	
8	483 (147·3)	488	5	0.43	0.03	2·15	
9	488 (148·7)	493	5	0.58	0.03	2·90	
40	493 (150·2)	497.5	4·5	0.70	0.02	3·15	26·67m at
1	497·5 (151·6)	499	1·5	0.05	(0.01	0·07	0·727% WO3
2	499 (152·1)	504	5	0.41	0.02	2·05	G.B.
3	504 (153·6)	509	5	0.44	0.02	2·20	
4	509 (155·1)	514	5	1.18	0.08	↑ 5·90	
A 1572	514 (156·7)	518	4 / 27·5	0.08	0.013	0.32 (63·64)	
			114		max Length 1·29	7·0	

C·2

114' (3·7m) at 0·[illegible]

C0599

34·7m at 0·032%