GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 575/4

PLANNING

Proposer: S.G. Brown — Depth: 30m

Location: P61 drive

Purpose of hole: To test BF2 on 10575N

Co-ordinates: 10396.0 E 10575.0 N
Inclination: -45° Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 3/5/76

SURVEY

Survey Co-ords: E N
Survey bearing: 91°04' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 394.78 E 10 575.18 N
R.L. of Collar: 1003.65 Inclination of Hole: -41°00'
Picked up by: J. Cook Date: 19/5/76

SUMMARY

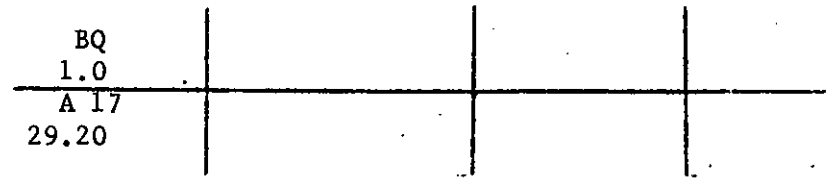
Logged by: S.G. Brown
Results: 0 - 2m, 2m @ 0.39% WO_3; 4 - 6m, 2m @ 0.42% WO_3
11 -13m, 2m @ 0.90% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 12/5/76 Date terminated: 14/5/76

Casing: Size: BQ
Depth: 1.0
Core: Size: A 17
Depth: 29.20



Wedge Runoff:
Wedge placed: Depth:
Proposed by: Approved by:
Reason:

Extension: Nil
Reason for termination: Entered quartzites

Condition of hole on completion: Final depth: 29.20
Casing: Pulled
Cemented: No
Bore hole survey: Acid tube
Water: Nil

Comments on drilling conditions: Good.

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 575/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.5	1.5	1.34	89.3
2.5	1.0	0.89	89.0
5.55	3.05	3.05	100%
8.60	3.05	2.91	95.4
11.65	3.05	3.02	99.0
14.70	3.05	3.00	98.4
17.00	2.30	2.39	103.9
20.05	3.05	3.02	99.0
23.10	3.05	3.03	99.3
26.15	3.05	3.05	100%
29.20	3.05	3.05	100%
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 575/4

Survey method: Acid Tube

Final Depth : 29.20

Casing depth: 1.0m

Depth surveyed to: 29.0m

Date surveyed : 14/5/76

Surveyed by: T.R. (A.D.D.)

Checked by : G.B.

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
3m	-	-	-51°	-43°		10394.78	10575.18
15m	-	-	-51°	-43°			
29m			-51°	-43°			

REMARKS:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/4

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 3001	0	1	1.0	1.0	0.44	<0.01	0 - 2m, 2m
3002	1	2	1.0	1.0	0.34	0.01	@ 0.39% WO_3
3003	2	3	1.0	1.0	0.06	<0.01	
3004	3	4	1.0	1.0	0.19	<0.01	
3005	4	5	1.0	1.0	0.56	0.02	4 - 6m, 2m
3006	5	6	1.0	1.0	0.27	0.01	@ 0.42% WO_3
3007	6	7	1.0	1.0	0.10	<0.01	
3008	7	8	1.0	1.0	<0.01	<0.01	
3009	8	9	1.0	1.0	0.72	0.01	
3010	9	10	1.0	1.0	<0.01	<0.01	
3011	10	11	1.0	1.0	<0.01	<0.01	
3012	11	12	1.0	1.0	1.01	0.01	11 - 13m, 2m
3013	12	13	1.0	1.0	0.79	0.01	@ 0.90% WO_3
3014	13	14	1.0	1.0	0.09	<0.01	

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/4

0 - 13.56m BANDED FOOTWALL BEDS

A banded unit of biotite pyroxene garnet calcite hornfels. The various bands are dominant at various parts of this unit as follows:

0.14 - 2.17 Pyroxene garnet hornfels dominant.

2.17 - 3.86 Biotite pyroxene hornfels dominant.

3.86 - 6.30 Pyroxene garnet hornfels dominant.

6.30 - 8.03 Marble bands dominant.

8.03 - 9.07 Pyroxene garnet hornfels dominant.

9.07 -11.43 Marble bands dominant.

11.43 -13.56 Pyroxene garnet hornfels dominant.

Scheelite mineralisation is present in the pyroxene garnet rich areas.

Banding is present throughout although in some areas it appears to be quite disturbed.

Bedding is at 47^{o} LCA at 1.5m
53^{o} LCA at 5.5m
45^{o} LCA at 7.5m
51^{o} LCA at 9.8m

13.56 - 15.46 BANDED BIOTITE PYROXENE HORNFELS

A finely banded disturbed unit of biotite pyroxene hornfels.

A small unit of pyroxene garnet hornfels is present between 14.70m and 15.07m.

Bedding is at 42^{o} LCA at 13.80m
45^{o} LCA at 14.60m

15.46 - 19.05 Disturbed zone of biotite pyroxene hornfels with some podded pyroxene garnet hornfels units present in it as follows:

15.46 - 15.83 pgh minor scheelite
16.22 - 16.68 pgh minor scheelite

19.05 - 19.25 BOUNDARY FAULT

A small zone rich in pyrite and pyrrhotite with numerous fractures filled with clinohumite.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No: BH 575/4

19.25 - 29.20 QUARTZITES

A sequence of grey white quartzites with interbedded dark grey siltstones.

A clinohumite filled fracture is present at 26.66m.

E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 575/4

LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 3002	0.34	0.01	BH 3242	0.42		BH 3243	0.45		BH 3244	0.37		
BH 3112	1.01	0.01	BH 3245	1.03		BH 3246	1.14		BH 3247	1.07		


DDH BH 575/4
0.0 - 14.90 m.


DDH BH 575/4
14.90 - 29.20 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO.BH 575/3

PLANNING

Proposer: S.G. Brown — Depth: 25m

Location: O 56 Drive

Purpose of hole: To test for presence of lower BF2 lens.

Co-ordinates: 103 98.0 E 10575.0 N
Inclination: -36° Magnetic:
Bearing: 090 Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 7/4/76

SURVEY

Survey Co-ords: E N
Survey bearing: 96°27' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10397.79 E 10576.31 N
R.L. of Collar: 987.98 Inclination of Hole: -35°11'
Picked up by: J. Cook Date: 20/4/76

SUMMARY

Logged by: S.G. Brown
Results: No significant mineralisation encountered.

DRILLING

Driller/Contractor: Geopeko Limited

Date commenced: Date terminated:

Casing:	Size:	A 17			
	Depth:	1			
Core:	Size:	E 17			
	Depth:	21.21			

Wedge Runoff:
Wedge placed: Nil Depth:
Proposed by: Approved by:
Reason:

Extension: Nil
Reason for termination: Entered quartzites east of Boundary Fault

Condition of hole on completion: Final depth: 21.21
Casing: Pulled
Cemented: No
Bore hole survey: Acid tube
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/3

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
2688	0.0	1.0	1.0	1.0	0.01	<0.01		
9	1.0	2.0	1.0	1.0	0.02	<0.01		
2690	2.0	3.0	1.0	1.0	0.27	0.01		
2691	3.0	4.0	1.0	1.0	0.21	<0.01		

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 575/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.45	1.45	1.13	78
2.90	1.45	1.42	98
3.85	0.95	1.02	107
5.34	1.49	1.47	99
5.80	0.46	0.46	100
7.08	1.28	1.25	98
7.94	0.86	0.87	101
8.51	0.57	0.56	98
9.12	0.61	0.64	104
9.50	0.38	0.27	71
10.70	1.20	1.18	98
11.20	0.50	0.44	88
11.53	0.33	0.23	70
13.13	1.60	1.48	93
13.26	0.13	0.14	107
14.71	1.45	1.30	90
15.33	0.62	0.64	103
16.80	1.47	1.42	97
18.35	1.55	1.46	94
19.37	1.02	0.92	90
20.23	0.86	0.83	97
20.76	0.53	0.51	96
21.21	0.45	0.39	87
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 575/3

Survey method: Acid Tube

Final Depth : 21.21

Casing depth: Nil

Depth surveyed to: 21.21

Date surveyed : 14/4/76

Surveyed by: G. Scott-Smith

Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
21.21			-44°00'	-37° 00'	12.76	10397.79	10576.31

REMARKS:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/3

0.00 - 3.38 BANDED PYROXENE GARNET SKARN

This is a slightly disturbed unit of pyroxene garnet hornfels with moderate to good scheelite present throughout.

Bedding is at $\alpha 23^{\circ}$ L.C.A. at 1.70m.

3.38 - 10.04 BANDED BIOTITE PYROXENE HORNFELS

A slightly disturbed brown - green banded unit of biotite pyroxene hornfels. The unit is biotite rich and contains pyrrhotite at 4.14m

Banding is at $\alpha 57^{\circ}$ L.C.A. at 5.0m
$\alpha 53^{\circ}$ L.C.A. at 6.40m.

A major fracture 1.5cm thick, in filled with carbonate occurs, at 8.16m.

Core is badly broken between 9.12 - 9.50m. This unit grades into the disturbed banded biotite pyroxene hornfels described below.

10.04 - 15.53 DISTURBED BANDED BIOTITE PYROXENE HORNFELS

As above, but the unit is more pyroxene rich and disturbed.

Banding is at $\alpha 35^{\circ}$ L.C.A. at 12.39
$\alpha 64^{\circ}$ L.C.A. at 12.60
$\alpha 32^{\circ}$ L.C.A. at 13.26
$\alpha 40^{\circ}$ L.C.A. at 15.33

Sulphide occurs along most of the joints in this unit. Core is badly broken between 11.07 - 11.53m.

15.53 - 17.55 DISTURBED ZONE

A very disturbed silicified zone containing quartz, pyrite, pyroxene, magnetite (?) and blebs of feldspar.

17.55 - 19.37 DISTURBED ZONE

A very disturbed zone of Biotite Hornfels containing angular pyroxene rich fragments. The Biotite in this unit has been altered to chlorite. The Boundary Fault occurs at 19.27 and is indicated by a 2cm thick carbonate filled fracture.

19.37 - 21.21 QUARTZITES

A typical dark grey coloured quartzite with some siltstone banding. The quartzites are silica rich between 20.0 - 20.33. A major fracture occurs at 20.96

E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 575/3

LAB.	K.I.S.		LAB.	KIS Check		LAB.	AMDEL		LAB.	A.C.S.L.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 2690	0.27	0.01	BH 3239	0.34		BH 3240	0.41		BH 3241	0.44		


DDH BH 575/3
000 - 2122 m.
COH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No.B 575/2

PLANNING

Proposer: S. Grieve Brown. Depth: 140m.

Location: 10575N Cuddy P.23 Drive.

Purpose of hole: To define 'B' lens, 'C' lens and 'D' lens.

Co-ordinates: E 10575 N

Inclination: -77° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 1/12/74

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 392.75 E 10 574.67 N

R.L. of collar: -1016.75 (estimated - cuddy filled with muck). Inclination of hole:

Picked up by : J. Cook. Date: -77° 21' 45"

SUMMARY

Logged by :S.G. Brown.

Results: 5.5 - 6.5m, 1m @ 0.68% WO_3. 92 - 96m, 4m @ 0.62% WO_3

10 - 14m, 4m @ 0.47% WO_3. 120 -121m, 1m @ 1.08% WO_3

19 - 28m, 9m @ 0.50% WO_3.

30 - 41m, 11m @ 0.37% WO_3.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 12/12/74 Date terminated: 17/12/74

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	0.86	165.51		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Passed through the Boundary Fault. Final depth: 165.51m,

Condition of hole on completion:

Casing : 1.52m NBX remains.

Cemented : NO.

Bore hole survey: Surveyed to 149.35m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. NO.BH 575/2

Survey method : Multishot camera.
Final depth : 165.51m.
Casing depth : 0.96m.

Depth surveyed to : 149.35m.
Date surveyed : 24/1/75
Surveyed by : G. Buckland.
Checked by : G. Buckland.

DEPTH	Bearing		Inclination		True Vertical depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		N	E
15.24	083°15'	055°15'	14°	-76°	14.79	1.97	3.12
30.48	083°	055°	14°	-76°	29.58	4.08	6.14
45.72	082°	054°	14°	-76°	44.36	6.23	9.14
60.96	083°30'	055°30'	13°	-77°	59.20	8.22	12.02
76.20	082°	054°	12°15'	-77°45'	74.08	10.10	14.68
91.44	082°	054°	13°	-77°	88.95	12.00	17.40
106.68	083°15'	055°15'	13°30'	-76°30'	103.79	13.98	20.26
121.92	081°	053°	13°30'	-76°30'	118.61	16.08	23.13
137.16	082°	054	13°15'	-76°45'	133.43	18.12	26.01
149.35	082°30'	054°30'	14°	-76°	145.28	19.81	28.37

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 575/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery.	R.Q.D.	Remarks (weathering)
0 - 15.55	ap/ph/ gp skarn/ bph/ banded pg skarn/ph	4	chlorite @ 6.15 7.70 12.10.		96	92	Good quality core.
15.55 - 16.33	Fault zone	9	Calcite, clino-humite in fault zone. Chlorite @ 16.30 minor pyrite.		100	77	
16.33 - 44.06	pg skarn/ podded pg skarn.	2			98	94	Good quality core.
44.06 - 47.12	brecciated bph.	11	46.62 - 47.12: carbonate clinohumite, pyrite filled. (fault zone.)		100	51	Core is brecciated 44.06 - 46.0.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). $= \frac{\text{length core} > 10 \text{ cms}}{\text{Length ~~recovered~~ drilled}}$ %
3. Core size. 0 - 0.86 NQ
   0.86 - 165.51 BQ.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 575/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery.	R.Q.D.	Remarks (weathering)
47.12 - 65.05	bph	7	carbonate, chlorite (e.g. at 50.70), pyrite (e.g. at 47.32).		98	80	Core is brecciated and carbonate recemented at 58.70. (Fault).
65.05 - 75.69	podded pgh/ bph.	3	carbonate @ 72.00. minor pyrite @ 73.92		100	94	
75.69 - 83.96	podded pch.	3	chlorite @ 76.66, 77.68 carbonate @ 78.90 minor pyrite.		99	95	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). $= \frac{\text{length core} > 10 \text{ cms}}{\text{Length } \sout{\text{recovered}} \text{ drilled}} \%$
3. Core size.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.BH '575/2

Depth Interval (metres)	Rock Type	Fract-ures/m.	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Reco-very.	R.Q.D.	Remarks (weathering)
83.96 - 93.88	bph/ pgh	6	minor chlorite, pyrite @ 86.60.		101	87	bad ground: 84.63 - 84.85. 85.90 - 86.10 86.42 - 86.60 Also at 85.58. At 86.93 core is weakly leached.
93.88 - 99.83	pgh	12	calcite		104	45	Fault at 97.1. bad ground: 95.26 - 95.54 96.00 - 96.42.
99.83 - 125.12	ph/pgh/ bpgh/ podded pgch.	5	areas of broken core are chlorite filled. Minor carbonate. some clino-humite in fault zone.		96	89	Generally good quality core except:- 112.55 - 112.70 113.86 - 114.10 and also at 114.80. Fault zone: 107.75 - 108.9. Core is brec-ciated.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). $= \frac{\text{length core } > 10 \text{ cms}}{\text{Length } \cancel{\text{recovered}} \text{ drilled}} \%$
3. Core size.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.BH 575/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery.	R.Q.D.	Remarks (weathering)
125.12 - 144.45	banded bph/ pbh.	6	some carbonate, e.g. @ 129.10. Have chlorite, pyrite & carbonate @ 139.30.	125.5m: 36° 127.5m: 33° 130m:41° 133m:47°	99	86	Good quality core except: 143.85 - 144.45 (good chlorite, pyrite present).
144.45 - 145.09	Fault zone.	11	chlorite, carbonate.		97	50	Core is brecciated, chlorite filled & carbonate recemented.
145.09 - 165.51 E.O.H.	q	6	pyrite.		96	86	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). $= \frac{\text{length core} > 10 \text{ cms}}{\text{Length recovered / drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.44	2.44	2.01	82
5.49	3.05	3.03	99
8.53	3.04	3.02	99
11.58	3.05	2.96	97
14.63	3.05	3.05	100
15.55	0.92	0.86	93
17.68	2.13	2.13	100
20.73	3.05	3.09	101
23.77	3.04	3.00	99
26.82	3.05	3.00	98
29.87	3.05	2.97	97
32.92	3.05	3.04	100
35.97	3.05	3.01	99
39.01	3.04	3.00	99
42.06	3.05	3.00	98
45.11	3.05	3.03	99
48.19	3.05	3.00	98
50.90	2.74	2.80	102
54.25	3.35	3,24	97
57.30	3.05	2.95	97
60.35	3.05	2.98	98
63.40	3.05	3.00	98
66.45	3.05	3.05	100
69.49	2.95	3.03	103
72.54	3.05	3.07	101
75.59	3.05	3.00	98
78.64	3.05	3.04	100
81.69	3.05	3.03	99
84.73	3.04	3.00	98
87.78	3.05	3.12	102
90.83	3.05	3.02	99
93.88	3.05	3.06	100
96.32	2.44	2.54	104
99.21	2.89	3.03	105
102.34	3.13	3.02	96
105.461	3.12	3.09	99
108.20	2.74	2.59	95
109.12	0.92	0.45	49
112.17	3.05	2.88	94
115.21	3.04	3.21	106
118.26	3.05	3.00	98
121.31	3.05	3.03	99
124.36	3.05	2.91	95
127.41	3.05	2.97	97
130.54	3.13	3.00	96
133.50	3.04	3.03	100
136.55	3.05	3.09	101

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
139.60	3.05	2.95	97
142.65	3.05	3.08	101
145.69	3.04	2.93	96
148.74	3.05	3.00	98
151.79	3.05	3.06	100
152.40	0.61	0.53	87
154.84	2.44	2.32	95
157.89	3.05	2.98	98
160.93	3.04	3.00	99
163.98	3.05	3.03	99
165.51	1.53	1.16	76

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length recovered	ELEMENTS WO_3	Mo	COMMENTS
D0455	4.5	5.5	1.0	1.0	0.10	< 0.01	
6	5.5	6.5	"	"	0.68	0.03	1m @ 0.68% WO_3
D0457	6.5	7.5	"	"	0.05	< 0.01	
D0458	10	11	"	"	0.46	0.04	10 - 14m,
9	11	12	"	"	0.47	0.04	4m @
60	12	13	"	"	0.16	0.01	0.47% WO_3
1	13	14	"	"	0.78	0.05	0.04% Mo
2	14	15	"	"	0.13	0.03	
3	15	16	"	"	0.04	0.23	
4	16	17	"	"	0.30	0.04	
5	17	18	"	"	0.13	0.01	
6	18	19	"	"	0.14	0.01	
7	19	20	"	"	0.34	0.02	
8	20	21	"	"	0.38	0.03	19 - 28m,
9	21	22	"	"	0.31	0.02	9m @
70	22	23	"	"	0.58	0.04	
1	23	24	"	"	0.37	0.02	0.50% WO_3
2	24	25	"	"	0.37	0.02	
3	25	26	"	"	0.26	0.02	0.03% Mo
4	26	27	"	"	0.46	0.03	
5	27	28	"	"	1.44	0.08	
6	28	29	"	"	0.27	0.02	
7	29	30	"	"	0.11	0.01	
8	30	31	"	"	0.70	0.05	
9	31	32	"	"	0.19	0.02	
80	32	33	"	"	0.37	0.02	
1	33	34	"	"	0.07	< 0.01	30 - 41m,
2	34	35	"	"	0.28	0.01	11m @
3	35	36	"	"	0.91	0.04	0.37% WO_3
4	36	37	"	"	0.35	0.05	0.03% Mo
5	37	38	"	"	0.26	0.02	
6	38	39	"	"	0.06	0.01	
7	39	40	"	"	0.46	0.03	
8	40	41	"	"	0.47	0.03	
D0489	41	42	"	"	0.09	< 0.01	
D0490	65	66	"	"	0.09	0.01	
1	66	67	"	"	0.20	0.01	
2	67	68	"	"	0.12	< 0.01	
3	68	69	"	"	0.18	0.01	

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No.BH 575/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
D0494	69	70	1.0	1.0	0.11	<0.01	
5	70	71	"	"	0.24	0.02	
6	71	72	"	"	0.12	0.01	
D0497	81	82	"	"	0.07	0.01	
8	82	83	"	"	0.08	<0.01	
9	83	84	"	"	0.10	<0.01	
D0500	91	92	"	"	0.11	0.01	
2	92	93	"	"	1.10	0.06	92 - 96m,
3	93	94	"	"	0.24	0.02	4m @
4	94	95	"	"	0.46	0.04	0.62% WO_3
5	95	96	"	"	0.66	0.04	0.04% MO
6	96	97	"	"	0.02	<0.01	
7	97	98	"	"	0.10	0.01	
8	98	99	"	"	0.02	<0.01	
9	99	100	"	"	0.08	<0.01	
10	100	101	"	"	0.24	0.02	
1	101	102	"	"	0.18	0.03	
2	102	103	"	"	0.08	<0.01	
3	103	104	"	"	0.24	0.02	
D0514	104	105	"	"	0.18	0.03	
D0515	119	120	"	"	0.01	<0.01	
6	120	121	"	"	1.08	0.06	1m @
7	121	122	"	"	0.04	0.01	1.08% WO_3

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 575/2

LAB.	K.I.S.		LAB.	K.I.S.		LAB.	A.M.D.E.L.		LAB.	A.C.S.L.	
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.
D 0457	0.05	<0.01	BH 1540	0.02	< 0.01	BH 1541	0.04		BH 1542	0.044	
D 0467	0.34	0.02	BH 1543	0.29	<0.01	BH 1544	0.05		BH 1545	0.46	
D 0477	0.11	0.01	BH 1546	0.06	< 0.01	BH 1547	0.12		BH 1548	0.12	
D 0487	0.46	0.03	BH 1549	0.39	0.01	BH 1550	0.55		BH 1551	0.54	
D 0497	0.07	0.01	BH 1552	0.07	<0.01	BH 1553	0.06		BH 1554	0.064	
D 0507	0.10	0.01	BH 1555	0.05	0.01	BH 1556	0.06		BH 1557	0.068	
D 0517	0.04	0.01	BH 1558	< 0.01	<0.01	BH 1559	0.07		BH 1560	0.058	

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.BH 575/2

0 - 1.10 metres. APLITE

This aplite has well developed feldspars and mica books and in hand specimen is very similar to Bold Head Adamellite.

1.10 - 4.58m. PYROXENE HORNFELS

A very pale light grey green coloured rock type with some 'streaky' bands of pale pink garnet present in it.
Some replacement of pyroxene hornfels by garnet is apparent along fine fractures.
The last 10cm contains quite high biotite content.
Minor banding is apparent throughout.
2.24m approx. 42° L.C.A.
4.45m approx. 43° "

4.58 - 7.59 GARNET PYROXENE SKARN

A very disturbed pyroxene garnet skarn with moderate mineralization present throughout. This unit is pyroxene rich at either end and banding is apparent between 7.20 and 7.59 metres at approximately 47° L.C.A.

7.59 - 10.33 BIOTITE PYROXENE HORNFELS

This unit is dominantly a fine grained biotite hornfels with minor amounts of pyroxene especially in the upper 1 metre. The pyroxene occurs as fine bands decreasing in number and size from 7.59m.
Banding 8.4m approximately 42° L.C.A.
9.0m " 48° "

10.33 - 14.38 BANDED PYROXENE GARNET SKARN

This is a disturbed pyroxene garnet skarn with some areas of banded pgh present in it. Large amounts of calcite are present in the disturbed areas and scheelite mineralization is present throughout. Highest grades occuring in the disturbed areas.
Banding 15.7m approximately 55° L.C.A.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No. BH 575/2

14.38m - 15.55m. PYROXENE HORNFELS

A fine grained finely banded light grey green pyroxene hornfels. Molybdenum is apparent in this core below 15m.
Banding is approximately 56° L.C.A. at 14.5 metres.

15.55 - 16.33 FAULT ZONE

Cuts core at very shallow angle. This zone is filled with calcite, and clinohumite with minor pyrite.

16.33 - 29.87 PYROXENE GARNET SKARN

This appears to be a disturbed originally banded unit with some minor relic banding still present.
The scheelite is most common in the garnet rich horizons which usually have some calcite present in them.
The bands are normally of fine grained pyroxene hornfels.
approximately 49° L.C.A. @ 21m.
51° " @ 24.5m.
62° " @ 26.5m.
46° " @ 27m.

The last half metre of this core consists of a banded pyroxene marble hornfels.
Banding at 52° L.C.A.

29.87 - 44.06 PYROXENE GARNET SKARN (podded)

This unit is very disturbed and has a distinctly podded appearance rather than the banded appearance recorded above.
This is a garnet rich unit with lesser amounts of pyroxene and calcite.
From 38m this unit becomes less well mineralized and more marble rich while from 42m the core is mainly a grey green pyroxene hornfels with lesser amounts of skarn and calcite.

44.06 - 46.62 BRECCIATED BIOTITE PYROXENE HORNFELS.

An extremely disturbed unit of biotite pyroxene hornfels consisting of angular fragments set in a disturbed ground mass of biotite pyroxene hornfels.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.BH 575/2

46.62 - 47.12 FAULT ZONE

A zone of sheared and broken biotite pyroxene hornfels with veins of calcite present through it. Crystals of calcite and pyrite are present in the actual fault line.

This fault cuts the core at approximately 12° L.C.A.

47.12 - 65.05m BIOTITE PYROXENE HORNFELS

This unit is quite disturbed and shows both podding and banding. The banding occuring at many different angles to the core axis.

Dominantly the core is biotite hornfels with irregular bands and 'sploches' of light grey pyroxene hornfels.

Some minor areas show spotting in the biotite hornfels. Between 48.2m and 49.0 there are a sequence of fine aplite veins and some ptegmatic quartz veins as well as irregular quartz sweats.

A distinct fault occurs at 58.57m where the core is brecciated and contains calcite filling in the fault plane.

65.05 - 71.99 PODDED PYROXENE GARNET HORNFELS

A light green/pink well podded pyroxene garnet calcite skarn. The calcite occuring as irregular pods.

Scheelite is present as discrete grains throughout this unit but the amount varies considerably.

71.99 - 75.69 BIOTITE PYROXENE HORNFELS

There is a distinct fault plane at 72.0m and cutting the core at 22° L.C.A.

The first metre of core is very disturbed and pyroxene rich and shows needle shaped actinolite crystals.

The rest of this unit is mainly disturbed banded biotite hornfels although some area of pyroxene rich material do occur.

Banding 42° L.C.A. @ 75.50m.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No. BH 575/2

75.69 - 83.96m PODDED PYROXENE CALCITE HORNFELS

Essentially a light green fine grained pyroxene rich rock with large ovoids of calcite and garnet. The groundmass sometimes shows very disturbed remant banding.

Minor scheelite is present between 81 and 84m where the unit is more garnet rich.

83.96 - 91.19 BIOTITE PYROXENE HORNFELS

A dark green/black unit consisting of irregular patches of green pyroxene rich rock set in a matrix of fine black biotite hornfels.

From 87.65 - 88.17 an area of very poorly mineralized pyroxene garnet skarn occurs.

Below 88m the pyroxene content of this unit increases and the biotite content decreases so that the rock has an overall green colour to it. The whole unit is disturbed.

91.19 - 99.83 PYROXENE GARNET HORNFELS

This is a very disturbed unit and contains patches of biotite hornfels (93.28 - 94.28) and pyroxene hornfels (95.82 - 97.40m).

The rest of the unit is composed of green diopside and pink-brown andradite/ grossular garnet with varying amounts of scheelite present throughout.

The unit of biotite hornfels is broken as is the pgh between 95 and 95.5 while the pyroxene rich unit between 95.82 - 96.4 is also badly broken.

Core loss occurs in these areas to a minor extent.

A fault filled with calcite at approximately 13° L.C.A. at 97.1 metre.

99.83 - 102.14 PYROXENE HORNFELS

A fine grained dark green rock, very uniform in nature with no other minerals present here. No mineralization present here.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.BH 575/2

102.14 - 105.06 PYROXENE GARNET HORNFELS

An extremely fine grained unit consisting of green pyroxene and red brown garnets. There is scheelite through out this unit. This unit is neither banded nor podded.

105.06 - 110.19 BIOTITE PYROXENE GARNET HORNFELS

This zone is one of very mixed rock types with biotite hornfels being the dominant portion.

Areas of pyroxene and pyroxene garnet rock also occur throughout but these are smaller in dimentions.

From 107.75 - 108.9m there is a fault zone consisting of brecciated biotite fragments in a cement of carbonate and clinohumite.

Trace scheelite is apparent in the garnet rich areas.

110.19 - 125.12m. PODDED PYROXENE GARNET CALCITE HORNFELS

Calcite is dominate here but occurs as pods surrounded by lesser amounts of pyroxene and biotite garnets are developed along the edges of these pods.

From 120.21 - 121.07 there is a patch of well mineralized garnet skarn but for the rest of this unit there is only trace scheelite except in the last 40cm where garnet skarn is again present.

Some banding is apparent in the large zone of pyroxene hornfels between 123.80 and 124.40 at about 32° L.C.A.

125.12 - 133.50 BANDED BIOTITE PYROXENE HORNFELS

A finely banded unit consisting of alternating bands of dark brown purple biotite hornfels with thin bands of light grey pyroxene hornfels. This reflects the original sedimentary bedding.

Bedding is at 36° L.C.A. @ 125.5m.
33° " @ 127.5m.
41° " @ 130.0
47° " @ 133.0m.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.BH 575/2

133.50m - 144.45m. PYROXENE BIOTITE HORNFELS

A fine grained dark brown-black biotite with irregular patches of lighter greenish coloured pyroxene rich rock throughout.

At about 137.5m there is a small pod (13cm) of pgh with trace scheelite.

144.45m - 145.09 FAULT ZONE

A silica rich zone of brecciated biotite hornfels and quartzite at approximately 25° L.C.A.

145.09 - 165.51 QUARTZITES

Fine grained grey 'splotchy' siliceous rocks rich in pyrite with some minor bands of dark grey siltstones present throughout.

E.O.H.

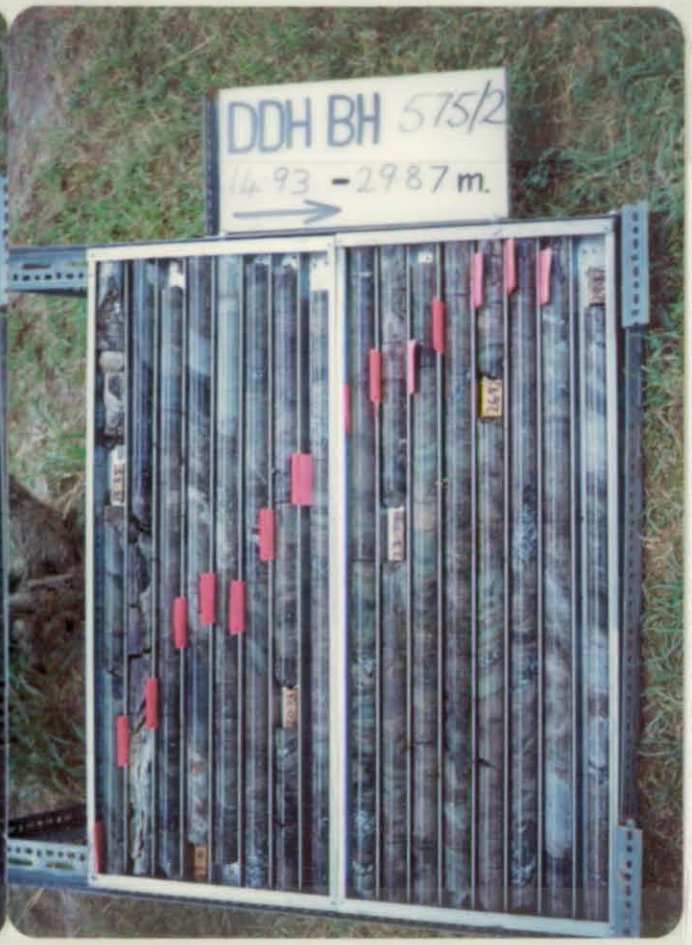
GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 575/2

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
D 0457	0.05	0.01	BH 1540	0.02	<0.01	BH 1541	0.04		BH 1542	0.044		
D 0467	0.34	0.02	BH 1543	0.29	<0.01	BH 1544	0.05		BH 1545	0.46		
D 0477	0.11	0.01	BH 1546	0.06	<0.01	BH 1547	0.12		BH 1548	0.12		
D 0487	0.46	0.03	BH 1549	0.39	0.01	BH 15550	0.55		BH 1551	0.54		
D 0497	0.07	0.01	BH 1552	0.07	<0.01	BH 1553	0.06		BH 1554	0.064		
D 0507	0.10	0.01	BH 1555	0.05	0.01	BH 1556	0.06		BH 1557	0.068		
D 0517	0.04	0.01	BH 1558	<0.01	<0.01	BH 1559	0.07		BH 1560	0.058		

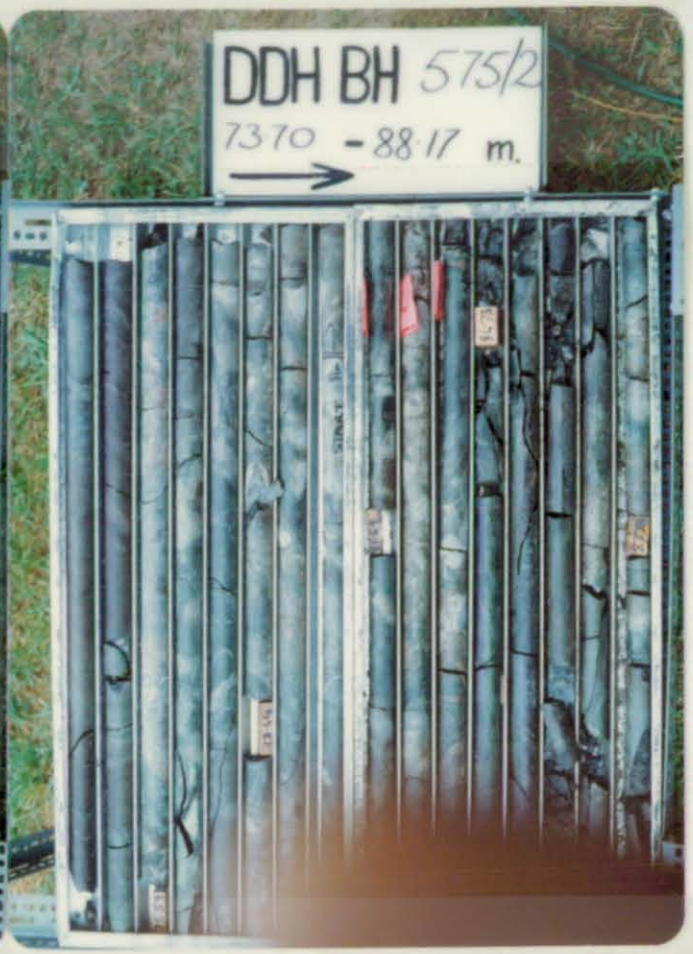

DDH BH 575/2
000 - 14.93 m.


DDH BH 575/2
14.93 - 29.87 m.


DDH BH 575/2
29.87 - 44.79 m.


DDH BH 575/2
44.79 - 59.24 m.


DDH BH 575/2
59.24 - 73.70 m.


DDH BH 575/2
73.70 - 88.17 m.


DDH BH 575/2
88.17 - 102.57 m.


DDH BH 575/2
102.57 - 117.71 m.


DDH BH 575/2
117.71 - 132.46m.


DDH BH 575/2
132.46 - 147.42 m.


DDH BH 575/2
147.42 - 162.25m.


DDH BH 575/2
162.25 - 165.51 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO: B575/1

PLANNING

Proposer: S.G. Brown — Depth: 13.72m

Location: 10 575N Cuddy P.23

Purpose of hole: To define boundary fault.

Co-ordinates: E 10 575 N

Inclination: 0° — Target depth: 10m.

Bearing: 090° °Grid °Magnetic

Target: E N

Approved by: M.C. Rogers. — Date: 8/12/74.

SURVEY

Survey Co-ords: E N

Survey bearing: °Grid °Magnetic

Surveyed in by: — Date:

Actual Co-ords: 10 394.20 E 10 576.30 N

R.L. of collar: 1018.32 — Inclination of hole: + 1° 08' 08"

Picked up by: J. Cook — Date: 18/12/74

SUMMARY

Logged by: S.G. Brown

Results: 5 - 7m 2m subgrade.

DRILLING

Driller / Contractor: A.D.D.

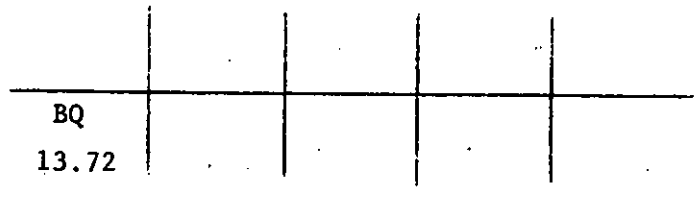
Date commenced: 10/12/74 — Date terminated: 11/12/74

Casing: Size :

Depth:

Core: Size : BQ

Depth: 13.72



Wedge Runoff:

Wedge placed: / — Depth:

Proposed by: — Approved by:

Reason:

Extension: / — Final depth: 13.72m

Reason for termination: passed through boundary fault.

Condition of hole on completion:

Casing : No

Cemented: No

Bore hole survey: No

Water: No.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. B575/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
7.96	Aplite /ph/ pgh/ disturbed zone.	5		minor chlorite @ 7.30 pyrrhotite	4.0m:56° 5.0m:58°	99	88	
7.96 - 13.72	q/ aplite	11		clino-humite @ 8.75, 10.94. Pyrite throughout.	11.50m: 63°	98	57	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length drilled}}$ %
3. Core size.

0 - 13.72 BQ

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No.B575/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.52	1.52	1.58	104
4.57	3.05	2.95	97
7.62	3.05	3.02	99
10.67	3.05	3.02	99
13.72	3.05	2.95	97

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B575/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS						COMMENTS
	From	To	Length	Length recovered	WO_3	Mo					
D0437	5	6	1.0	1.0	0.21	0.04					
38	6	7	"	" "	0.17	0.03					

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 575/1

LAB.	K.I.S.		LAB.	K.I.S.		LAB.	A.MD.E.L.		LAB.	A.C.S.L.	
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.
D 0437	0.21	0.04	BH 1537	0.19	< 0.01	BH 1538	0.28		BH 1539	0.30	

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No. B575/1

0 - 2.59 **APLITE**

A fine grained light grey aplite with large numbers of small books of biotite present throughout.

2.59 - 5.20 **PYROXENE HORNFELS.**

A fine grained light grey green coloured pyroxene hornfels with minor bands of biotite present in it. These biotite bands which have clots of pyroxene rich material present in them, probably represent original bedding.

bedding 56^{o} L.C.A. at 4.0m
58^{o} " " 5.0m

Quite large amounts of pyrrhotite are present on the joints.

5.20 - 7.18 **PYROXENE GARNET HORNFELS**

A disturbed and podded unit of pyroxene garnet hornfels with small pods of calcite present throughout.

Some banding is still apparent in this unit usually in the pyroxene rich units.

Moderate scheelite is present throughout.

7.18 - 7.96 **DISTURBED ZONE**

This is a light grey probably pyroxene rich unit with whispy and tailed blebs of garnet rich pyroxene.

This unit ends at the inner boundary fault, dip approimately 54^{o} L.C.A.

7.96 - 12.63 **QUARTZITES**

Sequence of light grey quartzites and darker grey siltstones with moderate to high pyrite content.
Bedding is apparent at 63^{o} L.C.A. at 11.50m.

Outer boundary fault at 10.94m with clinohumite present in the fracture planes, dips at 90^{o} L.C.A. at this point.

12.63 - 13.72 **APLITE**

A fine light grey biotite rich aplite dyke as before.

E.O.H. 13.72 metres.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 575/1

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
D 0437	0.21	0.04	BH 1537	0.19	<0.01	BH 1538	0.28		BH 1539	0.30		


DDH BH 575/1
000 -13.72 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 570/2

PLANNING

Proposer: S.G. Brown — Depth: 15m.

Location: J 56 Drive A lens

Purpose of hole: To test ore east of J 56 Fault.

Co-ordinates: 10348.0 E 10570.0 N
Inclination: +60°
Bearing 090° Grid
Target: E N
Approved by: M.C. Rogers

Magnetic:
Target Depth:
Date: 25/2/76

SURVEY

Survey Co-ords: E N
Survey bearing: 95°03' Grid
Surveyed in by:
Actual Co-ords: 10 348.60 E 10 571.43 N
R.L. of Collar: 1062.14
Picked up by: J. Cook.

Magnetic:
Date:
Inclination of Hole: +59°49'
Date: 19/5/76

SUMMARY

Logged by: S.G. Brown
Results: Minor scheelite - 0 - 7m.

DRILLING

Driller/Contractor: Geopeko

Date commenced: 12/3/76 — Date terminated: 26/3/76

Casing:	Size:	Nil			
	Depth:				
Core:	Size:				
	Depth:	E17 15.12			

Wedge Runoff:
Wedge placed: Nil — Depth:
Proposed by: — Approved by:
Reason:

Extension: Nil
Reason for termination: Entered A lens marble above zone of interest.

Condition of hole on completion: — Final depth: 15.12
Casing: Nil
Cemented: No
Bore hole survey: Acid tube
Water: Nil

Comments on drilling conditions: Good

J

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 570/2

Survey method : Acid Tube
Final depth : 15.12m
Casing depth : Nil

Depth surveyed to : 15.12
Date surveyed : 26/3/76
Surveyed by : G.S.S.
Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
15.12			+63°	+56°	13m		

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 570/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.33	1.33	1.31	98.5%
1.33 - 2.89	1.56	1.53	98.1%
2.89 - 5.97	3.08	3.04	98.7%
5.97 - 7.29	1.32	1.19	90.2%
7.29 - 8.65	1.36	1.47	108.1%
8.65 - 10.11	1.46	1.50	102.7%
10.11 - 11.60	1.49	1.39	93.3%
11.60 - 13.09	1.49	1.49	100.0%
13.09 - 14.57	1.48	1.46	98.6%
14.57 - 15.12	0.55	0.56	101.8%
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 570/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH2613	1.0	2.0	1.0	1.0	<0.01	<0.01		
2614	2.0	3.0	1.0	1.0	0.23	<0.01		
2615	3.0	4.0	1.0	1.0	0.31	<0.01		
2616	4.0	5.0	1.0	1.0	0.43	0.01	4m 0.34%	
2617	5.0	6.0	1.0	1.0	0.13	<0.01		
2618	6.0	7.0	1.0	1.0	0.49	0.01		
2619	7.0	8.0	1.0	1.0	<0.01	<0.01		
2620	8.0	9.0	1.0	1.0	0.13	<0.01		

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 570/2

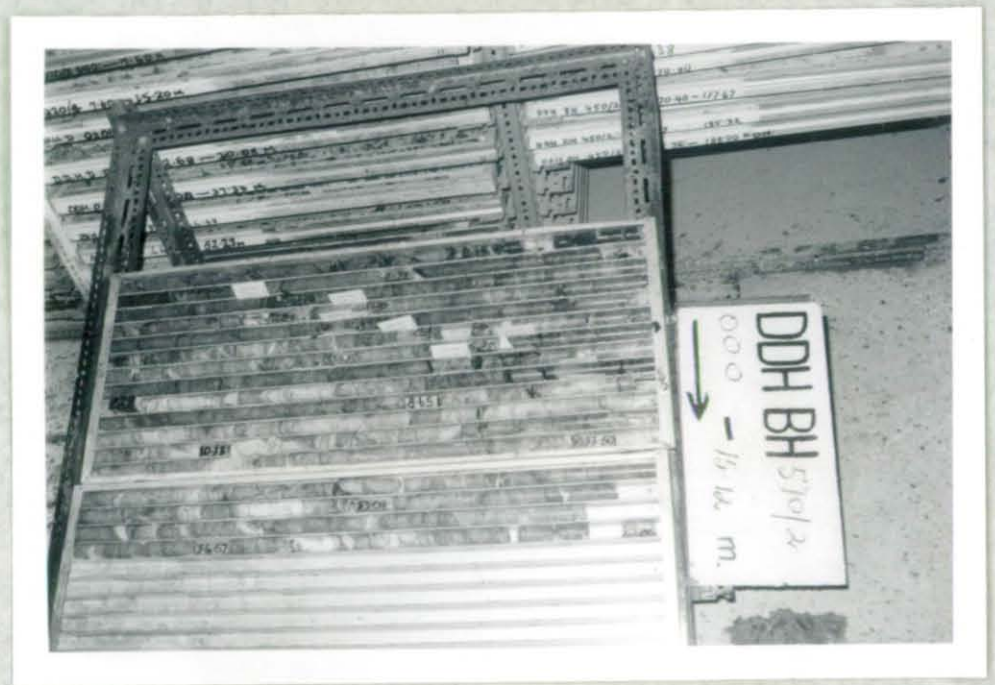
0.0 - 0.64	PYROXENE HORNFELS
	A light green grey pyroxene hornfels with small stringes of light pink siliceous material present throughout. Scheelite is present in moderate quantities.
0.64 - 0.93	BIOTITE HORNFELS
	A small unit of brown purple biotite hornfels. Initially this unit is a bit broken and fractured.
0.93 - 4.55	PYROXENE HORNFELS
	A fine grained grey green pyroxene hornfels with minor garnet present throughout. Moderate scheelite is present throughout.
4.55 - 5.65	MINERALISED MARBLE
	Essentially a disturbed grey white marble with minor amounts of pyroxene and garnet present in it.
5.65 - 8.71	PYROXENE GARNET CALCITE HORNFELS
	A disturbed unit of pyroxene garnet hornfels with large amounts of calcite still present throughout this unit. Scheelite mineralisation is present in moderate amounts throughout.
8.71 - 15.12	MARBLE
	A disturbed recrystalized marble grey-black in colour with small zones of remobilised calcite also present.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B1570/2

LAB.	K.I.S.		LAB.	KIS Check		LAB.	AMDEL		LAB.	A.C.SL.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 2615	0.31	0.01	BH 3230	0.30		BH 3231	0.48		BH 3232	0.43		


DDH BH 5301 2
000 – 1½ M. m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 570/1

PLANNING

Proposer: S.G. Brown — Depth: 25m.

Location: J 56 Drive A lens

Purpose of hole: To test ore above J 56.

Co-ordinates: 10348.0 E 10570.0 N
Inclination: +42°
Bearing 270 Grid
Target: E N
Approved by: M.C. Rogers

Magnetic:
Target Depth:
Date: 25/2/76

SURVEY

Survey Co-ords: E N
Survey bearing: 272°47' Grid
Surveyed in by:

Magnetic:
Date:

Actual Co-ords: 10 347.87 E 10571.13 N
R.L. of Collar: 1061.95
Picked up by: J. Cook

Inclination of Hole: +43°26'
Date: 19/3/76

SUMMARY

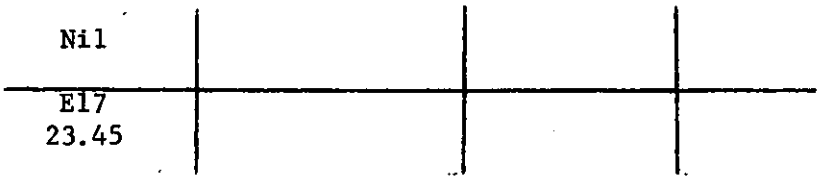
Logged by: S.G. Brown
Results: 10 - 18m, 8m @ 1.64% WO_3
0.06% Mo

DRILLING

Driller/Contractor: Geopeko

Date commenced: 5/3/76 — Date terminated: 12/3/76

Casing: Size: Nil
Depth:
Core: Size: E17
Depth: 23.45



Wedge Runoff:
Wedge placed: Nil — Depth:
Proposed by: — Approved by:
Reason:

Extension: Nil
Reason for termination: Entered upper volcanics.

Condition of hole on completion: — Final depth: 23.45m.
Casing: Nil
Cemented: No.
Bore hole survey: Acid tube.
Water: Nil.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 570/1

Survey method : Acid Tube
Final depth : 23.45m
Casing depth : Nil

Depth surveyed to : 23.45m
Date surveyed : 13/3/76
Surveyed by : G.S.S.
Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
23.45m			+47°	+40°	17m.		

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 570/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.61	1.61	1.58	98
2.47	0.85	0.78	92
3.95	1.48	1.50	101
7.04	3.09	3.05	99
9.32	2.28	2.08	91
9.75	0.43	0.45	104
13.75	4.00	4.00	100
16.75	3.00	2.90	97
19.74	2.99	2.76	92
22.70	2.96	2.95	100
23.45	0.75	0.58	77
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 570/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
2591	0	1.0	1.0	1.0	0.77	<0.01	2m @ 0.57%	
2	1.0	2.0	1.0	1.0	0.38	<0.01		
3	2.0	3.0	1.0	1.0	<0.01	<0.01		
4	9.0	10.0	1.0	1.0	0.06	<0.01		
5	10.0	11.0	1.0	1.0	0.61	<0.01		
6	11.0	12.0	1.0	1.0	0.86	0.01		
7	12.0	13.0	1.0	1.0	2.06	0.06	10 - 18m, 8m @ 1.64% WO_3 0.06% Mo	
8	13.0	14.0	1.0	1.0	1.18	0.02		
9	14.0	15.0	1.0	1.0	<0.01	<0.01		
2600	15.0	16.0	1.0	1.0	1.28	0.06		
01	16.0	17.0	1.0	1.0	2.67	0.09		
02	17.0	18.0	1.0	1.0	6.60	0.25		
03	18.0	19.0	1.0	1.0	<0.01	<0.01		

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 570/1

0.0 - 2.47 PYROXENE GARNET SKARN

A dark brown-green pyroxene garnet skarn with the last 30cm being rich in marble.

Mineralisation is moderate to good throughout except over the last 30cm where it is minor.

A slightly spotted appearance is present throughout due to aggregations of garnet in the dominantly pyroxene rich groundmass.

2.47 - 9.75 MARBLE

A grey-black recrystalised marble with some veins of pure white remobilized calcite present throughout this unit. Banding is present throughout .

3.27m α 25° L.C.A.
5.60m α 44° L.C.A.
8.0m α 54° L.C.A.

This unit is barren.

9.75 - 17.70 PYROXENE GARNET SKARN

A well developed pyroxene garnet skarn in which the garnet is dominant except over the first two metres and the last metre which are pyroxene rich.

Good grade scheelite is present throughout, large crystals are present at 17.40m.

17.70 - 19.34 FAULT ZONE

A zone of disturbed and sheared upper volcanics. A small 16cm aplite dyke is present between 18.64 - 18.80m.

19.34 - 23.45m UPPER VOLCANICS

Typical dark green grey upper volcanics with well developed spotting present throughout.

A minor fracture is present at 22.25m @ α 9° L.C.A.

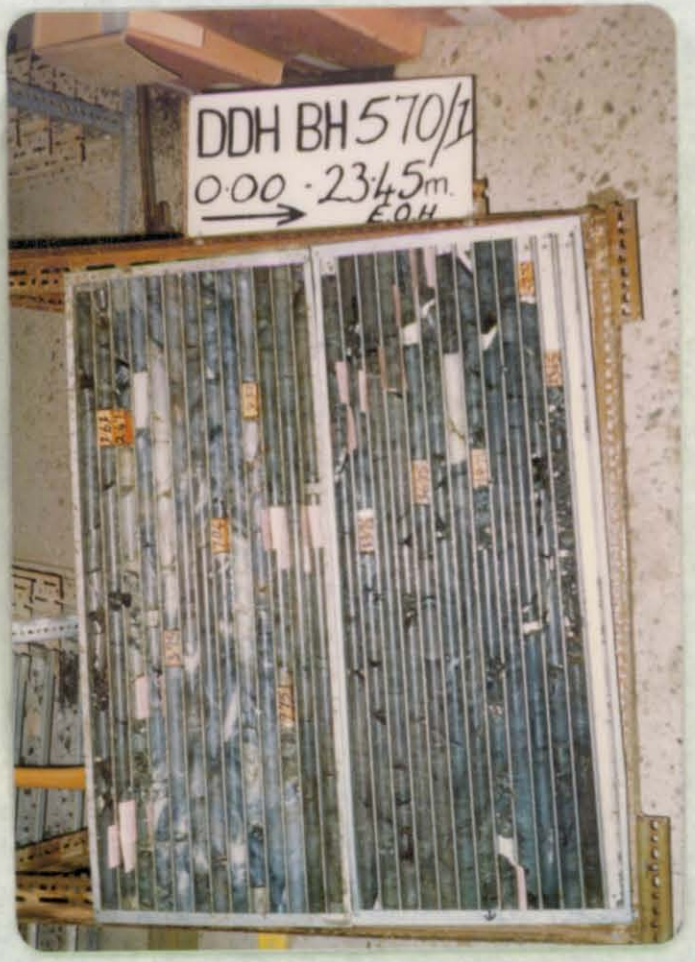
23.45 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B) 570/1

LAB.	K.I.S.		LAB.	KIS Check		LAB.	AMDEL		LAB.	A.C.S.L.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 2591	0.77	<0.01	BH 3224	0.74		BH 3225	0.82		BH 3226	0.74		
BH 2601	2.67	0.09	BH 3227	2.43		BH 3228	2.68		BH 3229	2.35		


DDH BH 570/1
0.00 - 23.45m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 566/1

PLANNING

Proposer: S.G. Brown — Depth: 3.0m

Location: N 54 stope.

Purpose of hole: To test vertical extent of B lens East.

Co-ordinates:	10 398	E	10 566	N
Inclination:	-90			Magnetic:
Bearing		Grid		Target Depth:
Target:		E		N
Approved by:	M.C. Rogers			Date: 10/11/76

SURVEY

Survey Co-ords:	10 567.11	N	10 397.23 (40397.23)	E
Survey bearing:		Grid		Magnetic:
Surveyed in by:				Date:
Actual Co-ords:		E		N
R.L. of Collar:	481.29			Inclination of Hole: -90°
Picked up by:	A.G.			Date: 23/11/76

SUMMARY

Logged by: R. van den Bogaart

Results: No mineralisation encountered.

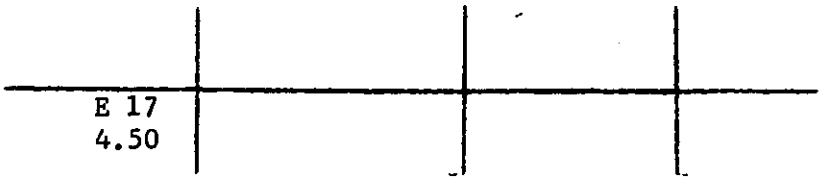
DRILLING

Driller/Contractor: Geopeko

Date commenced: 17/11/76 — Date terminated: 19/11/76

Casing: Size:
Depth:

Core: Size:
Depth:



Wedge Runoff:
Wedge placed: — Depth:
Proposed by: — Approved by:
Reason:

Extension: Nil

Reason for termination: No mineralisation encountered. Hole terminated in barren marble.

Condition of hole on completion: — Final depth: 4.50

Casing:

Cemented: No

Bore hole survey: No

Water: Return water loss

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B 566/1

Survey method:

Final depth :

Casing depth :

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
	HOLE NOT SURVEYED						

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 566/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 2.0	2.00	2.01	101
4.0	2.00	2.04	102
4.5	0.50	0.49	98
E.O.H			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 566/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
NO CORE ASSAYED								

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 566/1

0.0 - 4.50 MARBLE

A typical greyish white recrystallised marble showing some remnant bedding. The unit contains a pyroxene rich band between 1.75 - 1.84 which has some minor grains of scheelite associated with it. Some wollastonite occurs in the core between 3.80 - 4.50m.

Remnant bedding is at:
54° LCA @ 0.25m.
49° LCA @ 2.16m.

4.50 E.O.H.


DDH BH 566/1
00.00 - 4.50 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 565/2

PLANNING

Proposer: S.G. Brown. Depth: 20m.

Location: I.62 drive.

Purpose of hole: To test throw on fault.

Co-ordinates: 10380 E 10565.0 N

Inclination: -90° Magnetic

Bearing: Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 4/8/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: approx. E approx. N

R.L. of collar: approx. 10378.90E ~~10356.88N~~ 10566.88N Inclination of hole: -90°

Picked up by : 988.8 Date:

SUMMARY

Logged by : S.G. Brown.

Results: 1 - 3m 2m @ 1.18% WO_3

DRILLING

Driller/Contractor: GEOPEKO

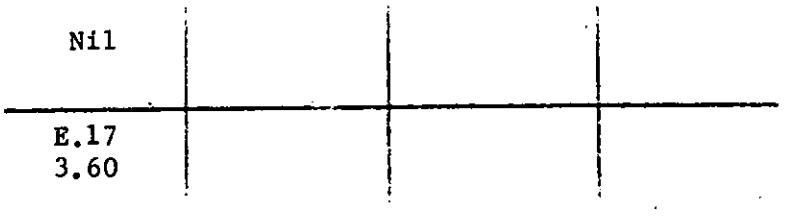
Date commenced: 6.8.75 Date terminated: 6.8.75

Casing: Size : Nil

Depth :

Core: Size : E.17

Depth : 3.60



Wedge Runoff:

Wedge placed: Nil. Depth:

Proposed by : Approved by:

Reason:

Extension: Nil.

Reason for termination: Entered marble below 'B' lens. Final depth: 3.60m.

Condition of hole on completion:

Casing : Nil.

Cemented : No.

Bore hole survey: No.

Water: No.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - Bold Head Mine (K.I.)

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 565/2

Survey method : ----

Final depth : 3.60m.

Casing depth : Nil.

Depth surveyed to :----

Date surveyed :----

Surveyed by :----

Checked by : R. Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
			HOLE NOT	SURVEYED			
			INCLINATION	-90^{o}			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 565/2

Depth Interval (metres)	Rock Type	Fractures /m.	Joint Angle (wrt LAOC)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery	R.Q.D.	Remarks (weathering)
0.0 - 3.60 E.O.H.	1v/ph/ g skarn/ ch.	7		Chlorite @ 0.82 1.14 Carbonate & sulphide @ 2.00 2.69		95	12	Good core recovery.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $= \frac{\text{length core } >10 \text{ cms}}{\text{length drilled}} \%$
3. Core size. E.17

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 565/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.40	2.40	2.26	94
2.63	0.23	0.18	78
3.60	0.97	0.98	101
E.O.H.			

GEOPEKO LIMITED - Bold Head Mine (K.I.)

ASSAY DATA

D.D.H. No. BH 565/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 1864	1	2	1.0	1.0	1.59	0.02		
5	2	3	"	"	0.76	<0.01		

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 565/2

0 - 0.44m	LOWER VOLCANICS Typical dark brown-purple biotite rich volcanics with well developed white feldspar laths.
0.44 - 0.85m	PYROXENE HORNFELS A light greenish grey fine grained pyroxene hornfels unmineralized. The core is ~~bedded~~ foliated at about 62° L.C.A. which is similar to that anticipated in this area.
0.85m - 2.84m	GARNET SKARN An irregular pyroxene garnet skarn wirh minor calcite. This unit is well mineralized and the thickness is consistent with that anticipated in this area of 'B' lens.
2.84m - 3.60m	MARBLE A light grey-blue marble with minor dark grey-black bands at about 64° L.C.A.
E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. ~~XX~~ B 565/2

LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1865	0.76	<0.01	SAMPLE BAG MISSING									

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 565/1

PLANNING

Proposer: S.G. Brown. Depth: 4m.

Location: I.62 drive.

Purpose of hole: To locate No.2 fault.

Co-ordinates: 10380 E 10565 N

Inclination: +2 Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 6/8/75

SURVEY

Survey Co-ords: E N

Survey bearing: 95°59'43" Grid Magnetic

Surveyed in by: J. Cook. Date: 1/8/75

Actual Co-ords: 10379.83 E 10566.88 N

R.L. of collar: 989.77 Inclination of hole: +0°26'01"

Picked up by : J. Cook. Date: 7/8/75

SUMMARY

Logged by : S.G. Brown.

Results: 10 - 15m 5m @ 1.44% WO_3

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: Date terminated:

Casing: Size : Nil.

Depth :

Core: Size : E.17

Depth : 15.72

Wedge Runoff:

Wedge placed: No. Depth:

Proposed by : Approved by:

Reason:

Extension: No.

Reason for termination: Passed through No.2 fault area then required by Mining. Final depth: 15.72m.

Condition of hole on completion:

Casing : Nil.

Cemented : Nil.

Bore hole survey: Nil.

Water: Nil.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - Bold Head Mine (K.I.)

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 565/1

Survey method :------

Final depth : 15.72m

Casing depth : Nil.

Depth surveyed to : ---

Date surveyed : ---

Surveyed by : ----

Checked by : R. Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
			HOLE NOT SURVEYED.				
			APPROXIMATE INCLINATION				
				$+0^{o}26'$			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 565/1

Depth Interval (metres)	Rock Type	Fractures /m.	Joint Angle (wrt LAOC)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 15.22	lv/ Fault zone/ pg skarn	4		chlorite & carbonate @ 1.25 10.09 14.16 Carbonate @ 2.13 Carbonate, sulphide & chlorite @ 6.82	---	99	71	Excellent core recovery. Fracture 2.0cm thick containing sulphide & carbonate occurs @ 11.50

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $+= \frac{\text{length core } >10 \text{ cms}}{\text{length drilled}}$ %
3. Core size.

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 565/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.57	2.57	2.54	99
4.08	1.51	1.50	99
7.10	3.02	2.97	98
10.29	3.19	3.18	100
11.91	1.62	1.62	100
12.40	0.49	0.48	98
13.40	1.00	0.99	99
14.58	1.18	1.11	94
15.72	0.64	0.67	104
E.O.H.			

GEOPEKO LIMITED - Bold Head Mine (K.I.)

ASSAY DATA

D.D.H. No. BH 565/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 1445	10	11	1.0	1.0	0.85	<0.01		
6	11	12	"	"	3.46	0.09		10 - 15m 5m
7	12	13	"	"	0.71	<0.01		
8	13	14	"	"	0.49	0.01		@ 1.44% WO_3
9	14	15	"	"	1.71	0.04		

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 565/1

0 - 9.93m — LOWER VOLCANICS

Typical brown/purple biotite rich lower volcanics with well developed small white feldspar laths present throughout. Quite large amounts of pyrrhotite are present in the core.

9.93m - 10.50m — FAULT ZONE

A zone of very disturbed pyroxene hornfels with irregular amounts of brown biotite hornfels. Only minor scheelite present here.

10.50m - 15.22m — PYROXENE GARNET SKARN

A podded unit of pyroxene garnet skarn with lesser amounts of marble present in it.

The unit has an overall podded appearance with the scheelite present both as course crystals in veinlets and as finely disseminated spots throughout.

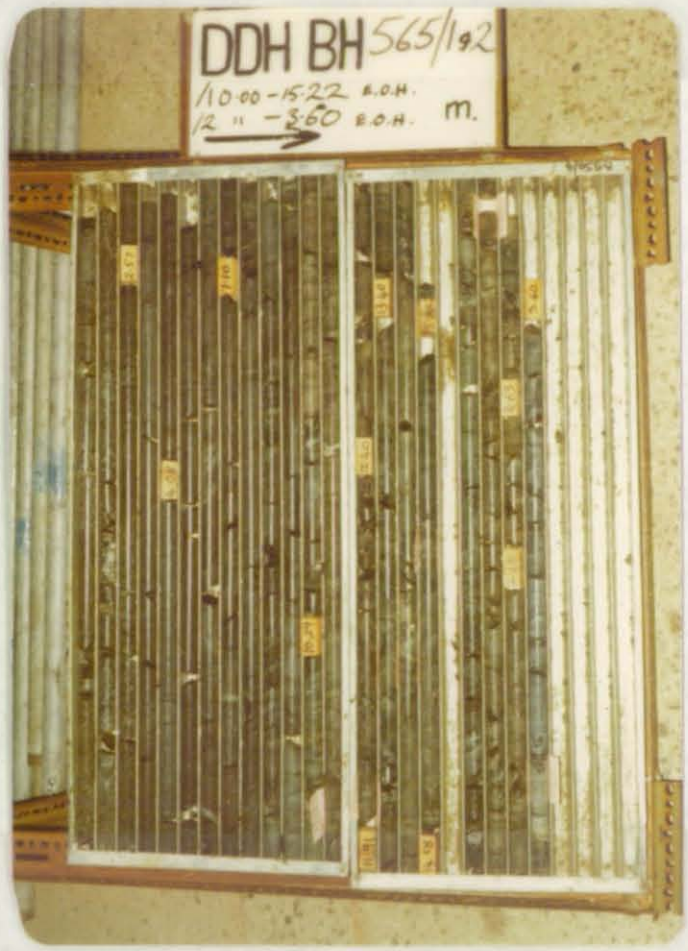
E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. ~~N~~ B 565/1

LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1445	0.85	<0.01	BH 3421	1.23		BH 3422	0.94		BH 3423	0.76		


DDH BH 565/192
10.00 - 15.22 E.O.H.
12 11 - 3.60 E.O.H.
m.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 560/3A

PLANNING

PROPOSER: T. Potter DEPTH:

LOCATION: P53 Stope 2nd Lift

PURPOSE OF HOLE: Second Attempt at 560/3

PROPOSED CO-ORDS: 40400 E 10565 N

INCLINATION: -54°

BEARING: 261° °GRID °MAG

TARGET: E N

DEPTH: 45 m

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 261° 08' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40 401.3 E 10 565.6 N

R.L. OF COLLAR: 911.46

INCLINATION OF HOLE: -55° 16'

PICKED UP BY: B. Lennon DATE: 25/9/80

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH:

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 560/3A

Surveyed method:
Final depth: 45.0 m
Casing depth:

Depth surveyed to:
Date surveyed:
Surveyed by:
Checked by:

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.		N	E
0.0	261.13°			-55.27°		10565.6	40401.1

REMARKS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 560/3A

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.20	1.2	1.2	100
1.2 - 3.2	2.0	2.0	100
3.2 - 5.7	2.5	2.5	100
5.7 - 7.2	2.5	2.5	100
7.2 - 8.4	1.2	1.2	100
8.4 - 10.8	2.4	2.4	100
10.8 - 12.4	1.6	1.6	100
12.4 - 13.5	1.1	1.1	100
13.5 - 15.7	2.2	2.2	100
15.7 - 17.7	2.0	2.0	100
17.7 - 19.0	1.3	1.3	100
19.0 - 21.5	2.5	2.5	100
21.5 - 24.5	3.0	3.0	100
24.5 - 25.6	1.1	1.1	100
25.6 - 27.3	1.7	1.7	100
27.3 - 30.5	3.2	3.2	100
30.5 - 33.4	2.9	2.9	100
33.4 - 34.5	1.1	1.1	100
34.5 - 37.8	3.3	3.3	100
37.8 - 40.8	3.0	3.0	100
40.8 - 42.8	2.0	2.0	100
42.8 - 45.0	2.2	2.2	100

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 650/3A

DEPTH INTERVAL (METRES)	ROCK TYPE	FRAC-TURES /m	JOINT ANGLE (WRT/ LAOC)	JOINT FILLING	BEDDING ANGLE (W. R. T./ L. A.O.C.)	% CORE RECO-VERY	R. Q. D.	REMARKS (WEATHERING)
1.2 - 3.2 m		2.0				75	1.5	
3.2 - 16.85		13.65				68	9.25	
16.85 - 41.9		25.05				96	23.98	
41.9 - 45.0		3.1				87	2.7	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $+= \frac{\text{Length Core} > 10 \text{ cm}}{\text{Length Drilled}}$
3. Core size.

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 560/3A

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8531	1.2	2.0	1.0	1.0	0.11			
32	2.0	3.0	"	"	0.17			

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 560/3A

0.0 - 1.2 m NO CORE

Broken ground from blasting.

1.2 - 3.2 GARNET PYROXENE HORNFELS

Poor development of garnet and fine grained. Mineralisation very sparse and fine grained but below ore grade.

3.2 - 16.85 BIOITTE HORNFELS/PYROXENE HORNFELS

Well bedded units of biotite hornfels and pyroxene hornfels.

Lithology: 3.20 - 5.0 well bedded pyroxene hornfels/biotite hornfels with some calcite beds at 55° to core.
5.0 - 7.3 predominantly biotite hornfels.
7.3 - 9.15 predominantly pyroxene hornfels.
9.15 - 10.35 predominantly biotite hornfels
10.35 - 12.2 predominantly pyroxene hornfels
12.2 - 14.65 predominantly biotite hornfels
14.65 - 16.85 biotite hornfels with no pyroxene hornfels

Structure: Weakly broken core 15.0 - 15.5

16.85 - 41.9 BANDED FOOTWALL BEDS

Well bedded units of marble, biotite hornfels and pyroxene hornfels. In general the marble changes from a dark grey to a light grey and the biotite hornfels bands become smaller and less frequent towards the bottom. Last 10 m contains 75% marble.

Some marble bands show some very weak development of garnet 24.10 - 24.20 m, 26.06 - 26.20 m, and 31.75 - 31.85 m show strong garnet with a grade of about 0.5% WO_3. The rest of the unit is completely barren.

17.05 vein of clino-humite 30° to core axis.
19.8 joint 15° to core axis.
25.0 9 cm pyroxene hornfels/marble unit crumbling.
30.70 2 cm calcite crud 70° to axis.
30.85 6 cm calcite crud vein 45°
31.05 5-cm calcite crud vein 45° to core axis parallel to bedding
31.5 33.4 3 cm calcite vein 30° to core axis and with strike at right angle to bedding.
37.6 - 37.8 broken ground.
38.25, 39.1, 39.28, 39.37 up to 4 cm veins of calcite-crud all being parallel to bedding.

20-cm bedding 40°
25 m " 35°
30 m " 40°
35 m " 35°
40 m " 70°
38 m " 60°

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 560/3A

41.9 - 45.0 BIOTITE HORNFELS/PYROXENE HORNFELS

Quite distinct from the banded footwall bed in the absence of marble and the presence of fine alternating beds of biotite hornfels/pyroxene hornfels. Unit is extremely well bedded at 30° to core axis.

EOH 45.0 m


DDH BH 560/3A
0.00 — 15.20 m.


DDH BH 560/3A
15.20 — 30.13 m.


DDH BH 560/3A
30.13 — 44.34 m.


DDH BH 560/3A
44.34 — 45.00 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 560/3

PLANNING

PROPOSER: T. Potter DEPTH:

LOCATION: P53 stope 2nd Lift

PURPOSE OF HOLE: To test Southern Limit of D Lens North

PROPOSED CO-ORDS: 40 400 E 10 565 N

INCLINATION: -50°

BEARING: 261° °GRID °MAG

TARGET: E N

DEPTH: 38 m

CHECKED BY: S. G. Brown DATE: 15/9/80

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 261° 15' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40 401.1 E 10 565.6 N

R.L. OF COLLAR: 911.39

INCLINATION OF HOLE: -50°

PICKED UP BY: B. Lennon DATE: 17/9/80

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: 15/9/80 DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH:

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 560/3

Surveyed method:
Final depth: 7.83 m
Casing depth:

Depth surveyed to:
Date surveyed:
Surveyed by:
Checked by:

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.		N	E
0.0	261.25°			-50.0		10565.6	40401.1

REMARKS:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 560/3

0.0 - 3.15 m GARNET - PYROXENE HORNFELS

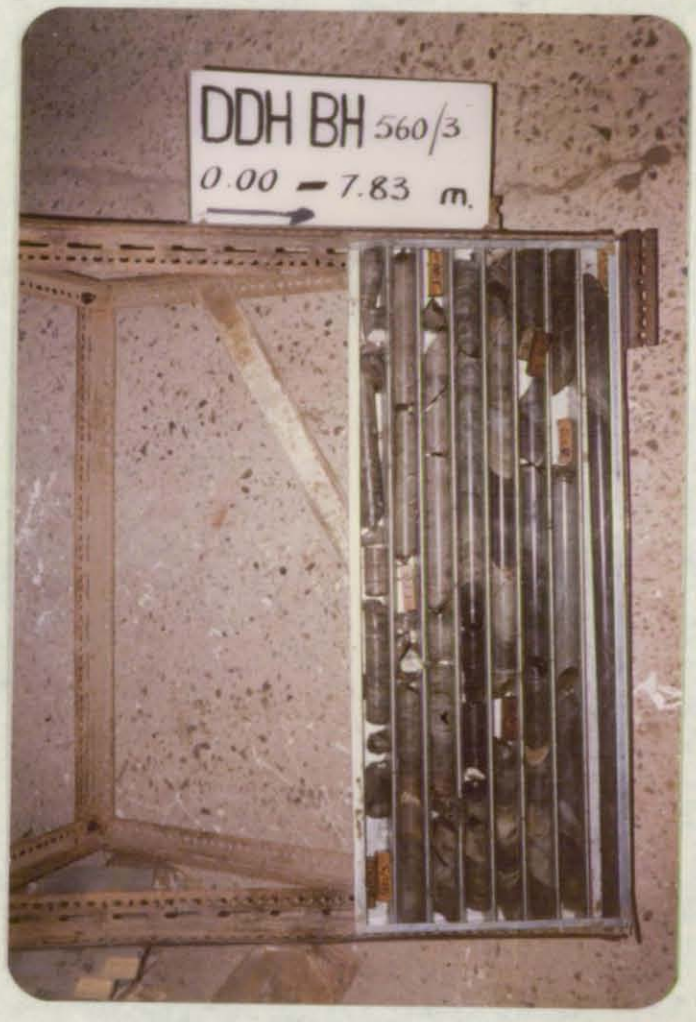
Fine grained very weak mineralisation.

Approximately 0.3% WO_3

3.15 - 7.83 BIOTITE HORNFELS/PYROXENE HORNFELS

Well bedded biotite hornfels/pyroxene hornfels with bedding at 50°
Unit contains some calcite bands which carry some garnets.

Hole abandoned because being drilled at wrong angle.


DDH BH 560/3
0.00 – 7.83 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 560/2

PLANNING

Proposer: S.G. Brown. Depth: 23m.

Location: 054 Drive at 10560N.

Purpose of hole: To test for ore adjacent to the boundary fault.

Co-ordinates: 10394 E 10560 N

Inclination: + 2° Magnetic

Bearing: 304° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: 308° 06' E N

Survey bearing: ↓ Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10393.62 E 10561.66 N

R.L. of collar: 1047.69 Inclination of hole: +2°05'38"

Picked up by : J. Cook. Date: 15/7/75

SUMMARY

Logged by : S.G. Brown.

Results: No mineralization recorded adjacent to boundary fault.

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 8/7/75 Date terminated: 20/7/75

Casing: Size : NIL

Depth :

Core: Size :

Depth : E17 23.10

Wedge Runoff:

Wedge placed: Nil. Depth:

Proposed by : Approved by:

Reason:

Extension: Nil.

Reason for termination: Hole intersected barren b.p.h. Final depth: 23.10m.

Condition of hole on completion:

Casing : Nil.

Cemented : No.

Bore hole survey: Acid tube.

Water: NO.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 560/2

Survey method : Acid tube test.

Final depth : 23.11m.

Casing depth : Nil.

Depth surveyed to : 23.11m

Date surveyed : 15/7/75

Surveyed by : G.S.S.

Checked by : R.Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
23.11	----	----	$+2^{o}30'$	~~$+87^{o}30'$~~			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 560/2

Depth Interval (metres)	Rock Type	Fract-ures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Reco-very	R.Q.D.	Remarks (weathering)
-0 - 11.40	q/ph/ bph.	6		Most joints contain sulphide eg. @ 0.85, 4.46. Chlorite occurs @ 2.23, 3.37, 6.65.		95	49	Excellent core recovery.
11.40 - 23.11	bph/ap/	10		Chlorite @ 12.20, 12.75. Carbonate & chlorite 19.63		76	43	Core lost between 14.70 - 18.68. Core leached @ 21.85 - 22.12. Rubble between 15.16 - 16.15. 16.28 - 17.08.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length recovered}}$ %
3. Core size. E.17

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No.: BH 560/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.20	1.20	1.17	98
1.65	0.45	0.41	91
2.00	0.35	0.40	114
2.30	0.30	0.32	106
2.60	0.30	0.23	77
2.87	0.27	0.25	93
3.90	1.03	0.98	95
4.86	0.96	1.03	107
6.00	1.14	0.80	70
6.84	0.84	0.78	93
8.35	1.51	1.45	96
11.40	3.05	3.05	100
13.40	2.00	2.04	102
14.70	1.30	1.12	86
15.95	1.25	0.61	48
17.08	1.13	0.52	46
18.68	1.60	0.42	26
20.32	1.64	1.58	96
22.60	2.28	2.11	93
23.11	0.51	0.49	96
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. 560/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
		NO	ASSAYS					

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 560/2

0 - 9.53m	QUARTZITES

Fine grained grey spotted quartzites with minor bands of darker grey siltstone. Pyrite is common in the joints and also in the bedding planes.

Minor quartz veins are present in this unit and these contain some molybdenite.

Banding is at 45° L.C.A. at 5.69m.

9.53m - 10.01m	PYROXENE HORNFELS

A very disturbed unit of pyroxene hornfels with a large quartz vein (5cm) in it. A few large zoned crystals of scheelite are present in this unit associated with the quartz vein.

10.01 - 13.47m	BIOTITE PYROXENE HORNFELS

Initially this unit is banded or rather sheared parallel to the boundary fault. (at about 25° L.C.A.) but below 11.40m the core is a more normal podded biotite pyroxene hornfels.

This unit is unmineralized.

13.47 - 15.17m	APLITE

An altered aplite grey white in colour. This aplite contains minor amounts of scheelite and molybdenite a occurring as discretes grains.

15.17m - 23.11m	PODDED BIOTITE PYROXENE HORNFELS

A fine grained black rock type with irregular pods throughout. The pods are of various types garnet, pyroxene, calcite and pyrrhotite being the most common.

Only extremely minor scheelite is present associated with the calcite pods.

Bad core loss is recorded between 15.17m - 18.68m in this unit.

E.O.H. 23.11m.


DDH BH 560/2
0.00 - 23.11 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 560/1

PLANNING

Proposer: S.G. Brown. Depth:

Location: 10560N section L.43 drive 'A' lens.

Purpose of hole: To test location of 'A' lens on 10560N section.

Co-ordinates: 10349 E 10560 N

Inclination: +48° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 90°40' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10348.9 E 10559.9 N

R.L. of collar: 1051.4 Inclination of hole: +50°10'

Picked up by : R.J.H. Date: 27/6/75

SUMMARY

Logged by : S.G. Brown.

Results: 9 - 11m 2m @ 0.63% WO_3
0.05% Mo.

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 21/6/75 Date terminated: 26/6/75

Casing: Size :

Depth :

Core: Size : E.17

Depth : 27.30

Wedge Runoff:

Wedge placed: NIL. Depth:

Proposed by : Approved by:

Reason:

Extension: NIL.

Reason for termination: Hole Entered quartzites east of boundary fault. Final depth: 27.30m.

Condition of hole on completion:

Casing : NIL

Cemented : No.

Bore hole survey: Acid tube at 22.30m.

Water: Noo

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. (BOLD HEAD MINE)
BH 560/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 6.80m	Disturbed bh/	6		Most joints in this interval contain chlorite & sulphide joints containing carbonate occur @ 4.56 & 6.62m.	32° @ 3.50 40° @ 5.45m.	96	30	Excellent core recovery Core badly broken through out this interval.
6.80 - 20.84	disturbed bh/pg skarn/ ch/chm	3		carbonate, chlorite & sulphide @ 7.89 Carbonate & chlorite @ 9.05 Joints in marble contain mainly carbonate.		100	67%	Excellent core recovery.
20.84 - 27.30	chm/ bpgh/ q	5		carbonate & chlorite @ 25.35 & 25.68. Sulphide @ 26.14 & 26.70		98	27	Excellent core recovery Rubble @ 20.98 Core leached 20.96 - 21.12m.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length recovered drilled.}}$ %
3. Core size. E. 17

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No BH 560/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 1320	7	8	1	1	0.01	0.01	
1	8	9	"	"	0.08	0.01	
2	9	10	"	"	0.76	0.06	9 - 11m @ 2m
3	10	11	"	"	0.50	0.04	@ 0.63% WO_3 0.05% Mo
4	11	12	"	"	<0.01	<0.01	
5	17	18	"	"	<0.01	<0.01	
6	18	19	"	"	< "	< "	
7	19	20	"	"	< "	< "	
8	20	21	"	"	< "	< "	
9	21	22	"	"	< "	< "	
30	22	23	"	"	< "	< "	
BH 1331	23	24	1	1	<0.01	<0.01	

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 560/1

Survey method :ACID TUBE TEST.
Final depth :22.30m.
Casing depth : NIL.

Depth surveyed to : 22.30m.
Date surveyed :26/6/75
Surveyed by : V.J. Powell.
Checked by : R. Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
22.30	----	----	+49°00'	+41°00'	----	----	----

REMARKS

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 560/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 1.93	1.93	1.89	98
2.45	0.52	0.45	87
4.48	2.03	2.05	101
5.48	1.00	0.89	89
6.80	1.32	1.27	96
9.85	3.05	3.03	99
11.95	2.10	2.18	104
12.84	0.89	0.94	105
14.70	1.86	1.83	98
17.83	3.13	2.96	95
20.84	3.01	3.04	101
22.40	1.56	1.47	94
23.35	0.95	0.93	98
26.20	2.85	2.85	100
27.30	1.10	1.11	101
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 560/1

0 - 7.39m DISTURBED BIOTITE HORNFELS

This unit consists of a fine grained brown/purple biotite hornfels with minor bands of light grey green pyroxene rich material. From about 7.0m onwards there are some siliceous fragments present in the core. Some minor pyrrhotite is present in this area.

Bedding is present throughout, although some signs of disturbance are apparent.

Bedding at 2.1m approx. 30° L.C.A.
3.45m " 30° "
5.60m " 41° "

7.39 - 10.90m PYROXENE GARNET SKARN

A disturbed unit of pyroxene garnet hornfels in which the pyroxene content is dominant.

At 8.55m there is a small (7cm) band of biotite hornfels. This unit is banded at 63° L.C.A.

Scheelite is present throughout this unit.

10.90 - 20.13m MARBLE

A fine grained recrystalized marble grey-black in colour. Some minor garnets are present at 11.80m and from 17.83m - 18.93m.

20.13 - 22.75m MINERALIZED MARBLE

A grey black recrystalized marble with irregular patches rich in garnet and pyroxene present throughout.

Some minor scheelite is present in this area.

22.75 - 25.60m BIOTITE PYROXENE GARNET HORNFELS

A very disturbed zone with some calcite present initially. Quite large amounts of pyrrhotite as well as lesser amounts of other sulphides are present in this unit.

The last metre or so of this unit contains some quartzites.

25.60 - 27.30m QUARTZITES

Dark grey spotted quartzites with minor amounts of siltstones present in this area.

E.O.H.

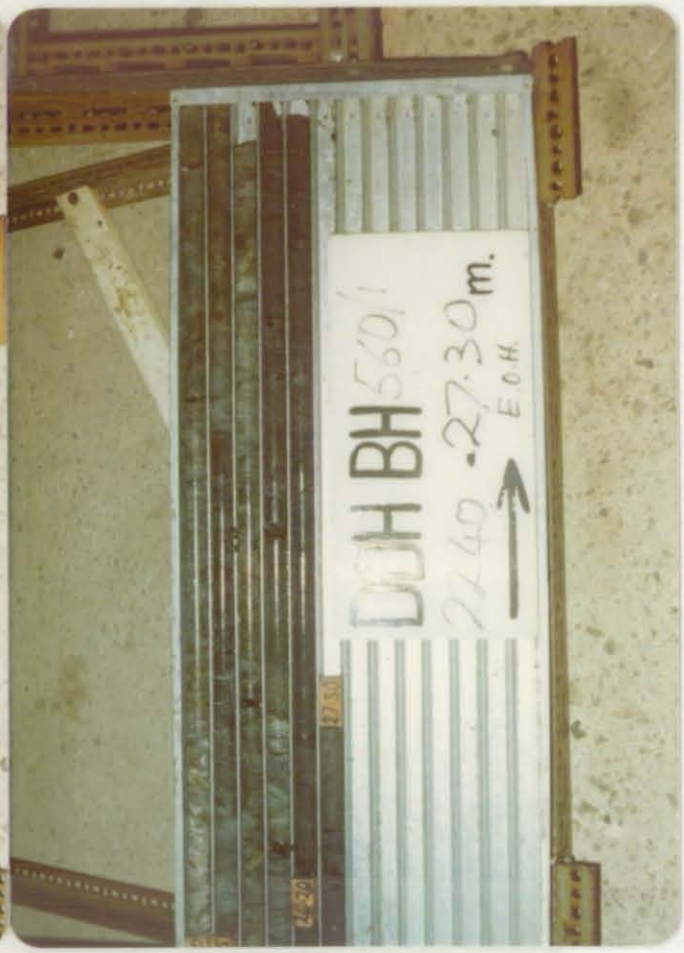
GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 560/1

LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1325	<0.01	<0.01	BH 3415	<0.01		BH 3416	0.021		BH 3417	0.028		


DDH BH 560
000 - 2240 m.


DDH BH 560
2240 - 27.30 m.
E.O.H.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/17

PLANNING

PROPOSER: J. M. Clark DEPTH: 12

LOCATION: H59 Drive

PURPOSE OF HOLE: ORE Blocking C West

CO-ORDS: 40313 E 10550 N

INCLINATION: 0°

BEARING: 270° °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 271' 40° °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40309.2 E 10549.9 N

R.L. OF COLLAR: 935.7

INCLINATION OF HOLE: Level 0°

PICKED UP BY: B. Lennon DATE: 14/12/78

SUMMARY

LOGGED BY: A. Black

RESULTS: 0-10m, 10m at 1.85% WO_3 0.05% MO

DRILLING

DATE COMMENCED: 11/12/78 DATE TERMINATED:

DRILLER/CONTRACTOR: KIS

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 11.5

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 11.50m

REASON FOR TERMINATION: In adamillite

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 5 50/17

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.8	1.8	1.69	94
1.8 - 4.0	2.2	2.15	98
4.0 - 6.0	2.0	1.68	84
6.0 - 7.8	1.8	1.40	78
7.8 - 9.8	2.0	2.30	115
9.8 - 11.5	1.7	1.62	95

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

DDH No.BH 550/17

DEPTH INTERVAL (METRES)	ROCK TYPE	FRAC-TURES /m	JOINT ANGLE (WRT LAOC)	JOINT FILLING	BEDDING ANGLE (W.R.T. L.A.O.C.)	% CORE RECO-VERY	R.Q.D.	REMARKS (WEATHERING)
0.0 - 4.0	Gh	13				96	36	
4.0 - 5.35	Bh	16				84	27	4.55m. Minor shearing
5.35 - 10.65	Gh	7				97	78	5.8 - 6.05m shatter zone
10.65 - 11.5	Ad	5				95	63	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $= \frac{\text{Length Core 10 cm}}{\text{Length Drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/17

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6851	0	1	1.0	1.0	2.15	0.04		
52	1	2	"	"	1.96	0.04		
53	2	3	"	"	4.5	0.09		
54	3	4	"	"	2.50	0.06		
55	4	5	"	"	0.46	0.02		
56	5	6	"	"	1.86	0.03		
57	6	7	"	"	1.86	0.05		
58	7	8	"	"	1.28	0.03		
59	8	9	"	"	1.24	0.03		
60	9	10	"	"	0.72	0.08		
61	10	11	"	"	0.28	0.07		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/16

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 1.60	1.60	1.45	91
1.60 - 3.50	1.90	1.65	87
3.50 - 4.70	1.20	1.57	131
4.70 - 7.00*	2.30	1.76	59
7.00 - 7.70	0.70	0.49	70
7.70 - 9.70	2.00	1.00	50
9.70 - 10.00	0.30	0.18	60
10.00 - 10.40	0.40	0.17	43
10.40 - 10.80	0.40	0.65	163

* from 6.0 - 7.0 m and 8.0 - 9m is missing (reason for missing core unknown) A core block at 7.0m states "core missing" this is confirmed by the core recovery percentage.


DDH BH 550/17
0.00 — 11.50 E.O.H. m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/16

PLANNING

PROPOSER: J. M. Clark DEPTH: 10

LOCATION: H59 Drive

PURPOSE OF HOLE: Ore Blocking C West

CO-ORDS: 40313 E 10550 N

INCLINATION: 0°

BEARING: 90° °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 92° 30' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40314.6 E 10550.1 N

R.L. OF COLLAR: 935.7

INCLINATION OF HOLE: Level 0°

PICKED UP BY: B. Lennon DATE: 14/12/78

SUMMARY

LOGGED BY: A. Black

RESULTS: 0-6m,,6m at 0.98% WO_3 0.02% MO

DRILLING

DATE COMMENCED: 20/11/79 DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 10.8

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 10.8m

REASON FOR TERMINATION: 1m barren biotite hornfels

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Not surveyed

WATER:

COMMENTS ON DRILLING CONDITIONS: Core lost in clay zones near end of hole

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/16

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 1.60	1.60	1.45	91
1.60 - 3.50	1.90	1.65	87
3.50 - 4.70	1.20	1.57	131
4.70 - 7.00*	2.30	1.76	59
7.00 - 7.70	0.70	0.49	70
7.70 - 9.70	2.00	1.00	50
9.70 - 10.00	0.30	0.18	60
10.00 - 10.40	0.40	0.17	43
10.40 - 10.80	0.40	0.65	163

* from 6.0 - 7.0 m and 8.0 - 9m is missing (reason for missing core unknown) A core block at 7.0m states "core missing" this is confirmed by the core recovery percentage.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

DDH No. BH 550/16

DEPTH INTERVAL (METRES)	ROCK TYPE	FRAC-TURES /m	JOINT ANGLE (WRT LAOC)	JOINT FILLING	BEDDING ANGLE (W.R.T. L.A.O.C.)	% CORE RECO-VERY	R.Q.D.	REMARKS (WEATHERING)
0.0 - 1.6	Gh	14				91	21	All Gh appears to be leached
1.6 - 3.5	Gh	14				87	12	
3.5 - 4.7	Gh	3				131	34	
4.7 - 7.0*	Gh	7				59	23	
7.0 - 7.7	Gh	16		Montmorillonite		70	45	
7.7 - 9.7*	Bh	16		Calcite		50	39	8.0 - 9.0, No core 9.45 - 9.7m Fault pug
9.7 - 10.0	Bh	17				60	78	
10.0 - 10.4	Bh	23				43	-	
10.4 - 10.8	Bh	18				163	23	

* from 6.0 - 7.0 m and 8.0 - 9 m is missing (reason for missing core unknown). A core block at 7.0 m states "core missing" this is confirmed by the core recovery percentage.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $= \frac{\text{Length Core 10 cm}}{\text{Length Drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/16

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6821	0	1	1.0	1.0	1.32	0.02	25/1/79	
22	1	2	"	"	0.62	0.01		
23	2	3	"	"	1.18	0.03		
24	3	4	"	"	0.62	0.01		
25	4	5	"	"	1.14	0.03		
26	5	6	"	"	1.01	0.01		
27	7	8	"	"	0.34	0.01	(6m to 7m lost)	
28	9	10	"	"	0.03	0.01	(8 - 9 lost)	
29	10	10.8	"	"	0.02	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/16

0.0 - 7.67 m

ANDRADITE SKARN

A light brown to grey andradite skarn which carries finely disseminated mineralization of ore grade. Within the first 1.5 m small (<5 cm) patches of fine grained non mineralised biotite hornfels occur. The biotite hornfels has a total length of less than 20cm. Calcite veins are common but small (< 5mm), interstitial quartz occurs but is not common. Minor green pyroxene is present. Between 3.20 - 3.26m and 7.00 - 7.09 m a red - brown non-carbonaceous apprently bedded lithology with a "soapy" texture occurs (Has been sent away fore identification)*. From 3.00 - 3.50 m a fault pug occurs, grain size ranges from coarse and to mud size, (With decreasing grain size a lightening of colour is readily visible.) The entire 7.67 m of Gh has a leached appearance probably due to aqueous movement through the above fault.

7.67 - 10.8 m

BIOTITE HORNFELS

A fine grained apparently bedded red-brown unit with a soapy texture (as above). Non mineralized. Core from 8.0 - 9.0 lost. 9.0 - 10.9 m. A dark grey to black fine grained non-mineralized biotite hornfels with lesser pyroxene (+grey actinolite?). Abundant calcite filling of fractures. A lightly cemented brown pug occurs between 9.45 - 9.7 m and a smaller less cemented white pug with alteration clays occurs between 10.37 - 10.45 m. Iron staining is present in localized occurances.

EOH 10.8 m

* Montmorillonite


DDH BH 550/16
0.00 — 10.8 m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/15

PLANNING

PROPOSER: J. M. Clark DEPTH: 15m

LOCATION: H59 Drive

PURPOSE OF HOLE: Ore Blocking C West Lens

CO-ORDS: 40313 E 10550 N

INCLINATION: + 39°

BEARING: 270 °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 311.4 E 10549.8 N

R.L. OF COLLAR: 938.5

INCLINATION OF HOLE: +40°

PICKED UP BY: B. Lennon DATE: 17/12/78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-6m, 6m at 1.52% WO_3, 0.06% MO, 11-16m, 5m at 0.51% WO_3, MO

DRILLING

DATE COMMENCED: 1/12/78 DATE TERMINATED:

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E 17
DEPTH: 16.9

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 16.9 m

REASON FOR TERMINATION: In Adamellite

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H: No. BH 550/15

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.5	1.5	1.5	100
1.5 - 2.13	0.65	0.65	100
2.13 - 7.4	5.25	5.10	97
7.4 - 9.9	2.5	2.40	96
9.9 - 12.7	2.8	2.80	100
12.7 - 15.4	2.7	2.70	100
15.4 - 16.9	1.5	1.45	97

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/15

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6802	0	1	1.0	1.0	0.54	0.05		
03	1	2	"	"	0.84	0.04		
04	2	3	"	"	1.72	0.07		
05	3	4	"	"	3.20	0.12		
06	4	5	"	"	1.20	0.05		
07	5	6	"	"	1.62	0.05		
08	6	7	"	"	0.18	0.02		
09	7	8	"	"	<0.01	<0.01		
10	8	9	"	"	<0.01	<0.01		
11	9	10	"	"	<0.01	<0.01		
12	10	11	"	"	<0.01	<0.01		
13	11	12	"	"	0.35	0.05		
14	12	13	"	"	0.60	0.02		
15	13	14	"	"	0.14	0.04		
16	14	15	"	"	0.82	0.03		
17	15	16	"	"	0.62	0.15		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/15

0.0 - 5.90 GARNET HORNFELS

A fine to medium grained garnet hornfels containing andradite, pyroxene with minor calcite and dark green amphibole. Fine grained scheelite is thickly disseminated throughout.

Fractures/m = 6
Recovery = 99%

5.90 - 15.50 m PYROXENE GARNET HORNFELS

This is a variable unit.

5.9 - 11.7 m, Rock, quartz and calcite (rimmed by grossular) fragments are present in a matrix of predominantly biotite hornfels with minor pyroxene hornfels. Minor sparsely scattered scheelite is present between 5.9 - 6.1 m, 11.3 m, 11.5 m and 11.7 m. Minor broken and slightly weathered core in present between 8.1 - 8.3 m.

11.7 - 12.15m Mildly altered adamellite containing quartz, white feldspar (some of which shows slight alteration to epidote) and biotite.

12.15 - 15.50 m A more typical pyroxene garnet hornfels, which contains calcite and calcite/amphibole fragments in a matrix of pyroxene and grossular with minor calcite. Scheelite is irregularly disseminated through this section of core, the most continous interval being from 14.5 - 15.3 m. Minor endoskarn (quartz-pyroxene) in present at the boundary between pyroxene-garnet hornfels and adamellite.

Fractures/m = 6
Recovery = 100%

15.50 - 16.60 m ADAMELLITE

Medium grained slightly altered adamellite containing quartz, white feldspars (some of which show minor alteration to epidote) and biotite.

Fractures/m = 8
Recovery = 100%

EOH 16.9 m


DDH BH 550/15
0.00 — 16.90 E.O.H. m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/14

PLANNING

PROPOSER: J. M. Clark DEPTH:

LOCATION: H59 Drive

PURPOSE OF HOLE: Ore blocking C West

CO-ORDS: 40313 E 10550 N

INCLINATION: +60°

BEARING: 090 °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 090 °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40312.4 E 10550.1 N

R.L. OF COLLAR: 938.5

INCLINATION OF HOLE: +60°

PICKED UP BY: B. Lennon DATE: 17.12.78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-5m, 5m at 3.69% WO_3, 0.13% MO

with large assay reduced: 0-5m, 5m at 1.67% WO_3, 0.13% MO

DRILLING

DATE COMMENCED: 29/11/78 DATE TERMINATED:

DRILLER/CONTRACTOR: KIS

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 12.80 m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 12.80m

REASON FOR TERMINATION: In Biotite Hornfels Above Pyroxene-Garnet Hornfels

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/14

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.6	1.6	1.6	100%
1.6 - 2.9	1.3	1.3	"
2.9 - 5.7	2.8	2.8	"
5.7 - 8.3	2.6	2.2	85
8.3 - 10.5	2.2	1.9	85
10.5 - 12.3	1.8	1.8	100%
12.3 - 12.8	0.5	0.5	"

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/14

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
D 6795	0	1	1.0	1.0	3.10	0.23		
96	1	2	"	"	0.09	0.04		
97	2	3	"	"	0.62	0.02		
98	3	4	"	"	0.52	0.01		
99	4	5	"	"	14.1	0.33		
6800	5.	6	"	"	0.01	0.01		
01	6	7	"	"	0.01	0.01		

SPECIFIC GRAVITY
Depth (metres):
Rock Type :
S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/14

0.0 - 5.00 m GARNET - PYROXENE HORNFELS

Green pyroxene, dark brown andradite and dark green amphibole are present in varying amounts with interstitial calcite, quartz and grossular. Grainsize averages about 0.3 mm.

0.0 - 1.0 m Fine grained thickly disseminated scheelite in a garnet-pyroxene hornfels.

1.0 - 1.6 m Coarse aggregates of pyrrhotite in garnet-pyroxene-quartz and biotite hornfels with only minor scheelite. Broken core is present at 1.2 - 1.3 m.

1.6 - 1.8 m Broken core around a calcite vein at 18° to core axis.

2.7 - 3.0 m Fine grained thickly disseminated scheelite.

3.1 - 5.0 m Veins and coarse grained cyrstals of scheelite are sparsely distributed in a pyroxene-quartz hornfels with minor grossular and amphibole. A 2 cm wide scheelite vein is present at 4.6m.

Fractures/m = 10
Recovery = 100

5.00 - 12.80 m BIOTITE HORNFELS

Purplish brown biotite hornfels with small interbeds of green pyroxene hornfels and grey actinolite hornfels. Some small calcite veins have a light yellow ironstaining.

9.8 m Aplite vein at 20° to core axis, has minor broken core at start.

7.9 - 8.5 m Broken core with core loss.

12.5 m Bedding in 42° to core axis.

Fractures/m = 7
Recovery = 91%

EOH 12.80 m


DDH BH 550/14
E.O.H.
0.00 — 12.80 m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/13

PLANNING

PROPOSER: J.M. Clark DEPTH: 13 m

LOCATION: H59 Drive

PURPOSE OF HOLE: Ore Blocking C West Lens

CO-ORDS: 40313 E 10550 N

INCLINATION: + 90°

BEARING: °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40311.6 E 10550.0 N

R.L. OF COLLAR: 938.51

INCLINATION OF HOLE:

PICKED UP BY: B. Lennon DATE: 27/11/78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-3 m, 3 m at 0.65% WO_3 0.06% MO

DRILLING

DATE COMMENCED: 24/11/78 DATE TERMINATED: 29/11/78

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 13.1

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 13.1 m

REASON FOR TERMINATION: In Biotite Hornfels Above Pyroxene - Garnet Hornfels

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/13

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.2	1.2	1.2	100
1.2 - 2.7	1.5	1.5	100
2.7 - 4.4.	1.7	1.7	100
4.4 - 7.4	3.0	3.0	100
7.4 - 11.3	3.9	3.6	90
11.3 - 13.1	1.8	1.8	100

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/13

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6784	0	1	1.0	1.0	0.98	0.15		
85	1	2	"	"	<0.01	<0.01		
86	2	3	"	"	0.96	0.03		
87	3	4	"	"	0.21	0.02		
88	4	5	"	"	0.03	<0.01		
89	5	6	"	"	0.22	<0.01		
90	6	7	"	"	0.20	<0.01		
91	7	8	"	"	<0.01	<0.01		
92	8	9	"	"	0.21	<0.01		
93	9	10	"	"	0.82	0.03		
94	10	11	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/13

0.00 - 3.50 m

GARNET HORNFELS

Abundant fine grained andradite garnet with lesser amounts of calcite, pyroxene and dark green amphibole. Scheelite is present as thickly disseminated fine grains.

Fractures/m = 5
Recovery = 100%.

3.50 - 4.40 m

PODDED PYROXENE - BIOTITE HORNFELS

Green pyroxene and purplish brown biotite hornfels are finely interlayered and lensed. Rock fragments and pods of marble rimmed by grossular are also present.

Scheelite is not present.

Fractures/m = 4
Recovery = 100%.

4.40 - 8.80 m

PYROXENE GARNET HORNFLES

Pods of calcite ± grossular ± dark green amphibole are present in a matrix of grossular and pyroxene, with minor calcite and amphibole. Fine to medium grained scheelite is irregularly scattered through this unit, which is low grade overall.

At 8.7 m there in a calcite vein at 25° and minor broken core.

Fractures/m = 6
Recovery = 100%.

8.80 - 9.10 m

?FAULT

This is a zone of core loss. Small fragments of biotite and pyroxene hornfels have been recovered and there is a 2 cm length where these are embedded in a clay matrix.

Recovery = 10%

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/13

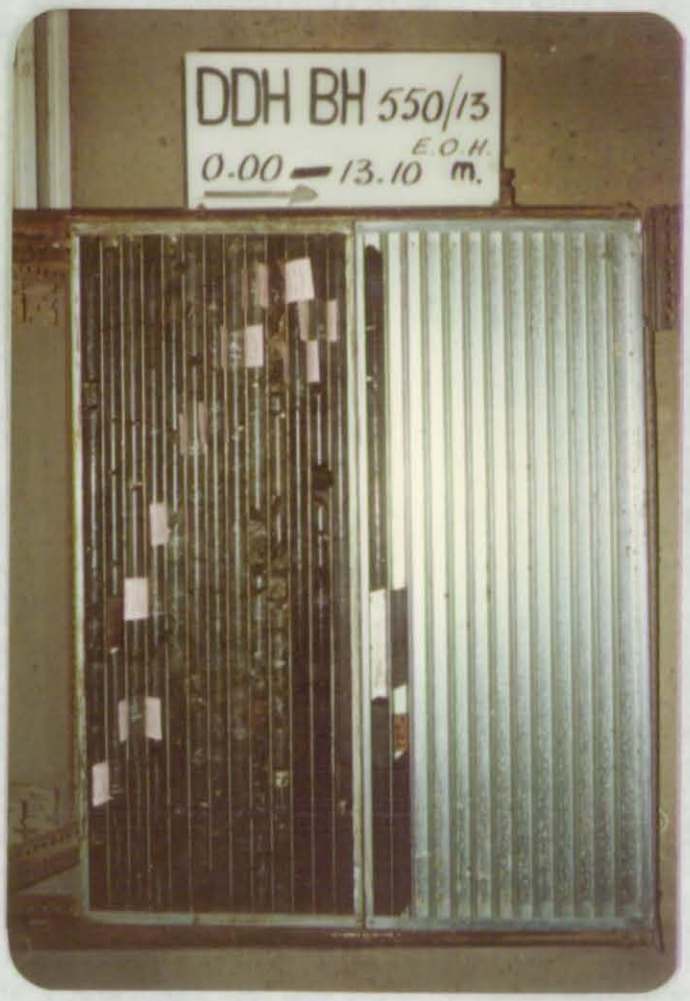
9.10 - 13.10 m

BIOTITE HORNFLES

Purplish brown biotite hornfels with minor interbedded grey actinolite hornfels and some small rock fragments. Alignment of these fragments is 50° to core axis (? bedding).

Fractures/m = 8
Recovery = 100%.

EOH 13.10 m


DDH BH 550/13
0.00 — 13.10 E.O.H. m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 550/12

PLANNING

PROPOSER: J. M. Clark DEPTH: 5

LOCATION: H59 drive

PURPOSE OF HOLE: Ore blocking C west

CO-ORDS: 40313 E 10550 N

INCLINATION: -90°

BEARING: °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: Collar position not surveyed E N

R.L. OF COLLAR: 934.9

INCLINATION OF HOLE:

PICKED UP BY: DATE:

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-2, 2m at 0.53% WO_3 0.01% MO

DRILLING

DATE COMMENCED: 1/12/78 DATE TERMINATED: 11/12/78

DRILLER/CONTRACTOR: KIS

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 5.0

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 5.0

REASON FOR TERMINATION: In unmineralised banded footwall beds

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/12

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.1	2.1	2.1	100
2.1 - 3.2	1.1	1.1	100
3.2 - 5.0	1.8	1.8	100

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/12

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6818	0	1	1.0	1.0	0.60	0.02		
19	1	2	"	"	0.47	0.01		
20	2	3	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/12

0.0 - 1.30 m

GARNET HORNFELS

A fine to medium grained garnet hornfels containing andradite pyroxene, dark green amphibole, and minor calcite and grossular. Fine grained scheelite is thickly disseminated throughout.

Fractures/m = 15
Recovery = 100%

1.30 - 5.00 m

BANDED FOOTWALL BEDS

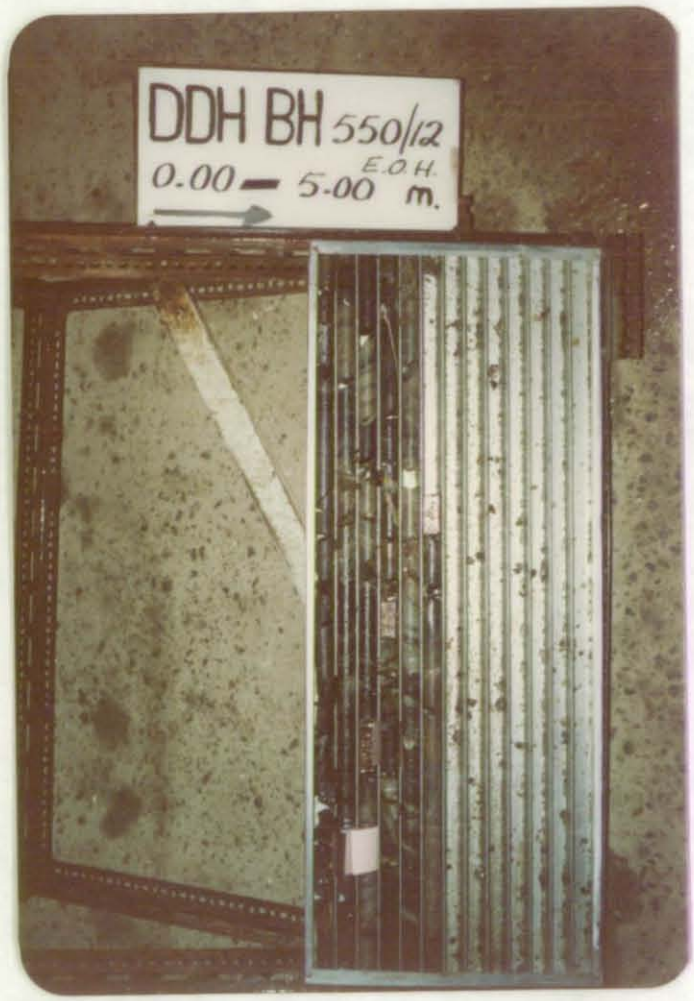
Consists of biotite hornfels with small interbeds of marble and pyroxene hornfels. Some of the marble beds have been discoloured to light brown due to weathering (from water out of adamellite and proximity to Western fault).

1.35 - 1.40 m Bed of garnet hornfels containing fine grained scheelite.

3.1 - 3.2 m Minor broken core. Bedding is 62° to core axis.

Fractures/m = 10
Recovery = 100%

EOH 5.0 m


DDH BH 550/12
0.00 — 5.00 E.O.H. m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 550/10

PLANNING

Proposer: J. M. Clark ..... Depth: ...5.....

Location: R55 drive .....

.....

Purpose of Hole: test for ore above R55 .....

Co-ords: .....40352..... E ..10550..... N

Inclination: ...Vertically up .....

Bearing: .....°Grid .....°Mag

Target: ..... E ..... N

Depth: .....

Approved by: ..... Date: .....

SURVEY

Survey Co-ords: ..... E ..... N

Surveyed Bearing: .....°Grid .....°Mag

Surveyed in by: ..... Date .....

Actual Co-ords: ..40351.1..... E .10549.9..... N

R.L. of Collar: ..930.4.....

Inclination of Hole: .VERTICALLY UP.....

Picked up By: .....B. Lennon..... Date ..24-7-1978..

SUMMARY

Logged By: ...J. M. Clark..... Date .....

Results: ...0-2 m. 2 m at 0.63% WO_3, 0.01% Mo.....

.....

.....

.....

DRILLING

Date Commenced: ...14-7-1978..... Date Terminated..14-7-1978...

Driller/Contractor .K.I.S.....

Casing: Size :

Depth :

Core: Size : E17

Depth : 4.80 m

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason .

Extension:

Final Depth: 4.80 m

Reason for Termination: In to unmineralized biotite hornfels / pyroxene hornfels.

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Not Surveyed.

Water:

Comments on Drilling Conditions: Good

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/10

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
KF 246	0	1	1.0	1.0	0,80	0.02		
7	1	2	"	"	0.47	0.01		
8	2	3	"	"	0.17	<0.01		
9	3	4	"	"	0.01	<0.01		
50	4	4.8	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/10

0 - 2.80 m

GARNET HORNFELS

Fine grained andradite - calcite - pyroxene hornfels has small clusters of coarse grained calcite and dark green epidote.

Fine grained thickly disseminated scheelite is present at 0.0 - 0.25 m, 1.15 - 1.40 m, 1.57 - 1.80 m. A calcite scheelite vein at 13° to core axis is present at 0.65 m.

2.20 - 2.30. Green pyroxene hornfels with calcite - grossular fragments.

Fractures / m = 6
Recovery = 100%

2.80 - 4.80 m

BIOTITE - PYROXENE HORNFELS

Purplish brown biotite hornfels and green pyroxene hornfels contain some small rock, quartz and calcite fragments. Bedding is 67° to core axis short intervals of this unit could be called pyroxene garnet hornfels.

Fractures / m = 5
Recovery = 100%

EOH 4.80 m.


DDH BH 550/10
0.00 — 4.80 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 550/9

PLANNING

Proposer: J. M. Clark ..... Depth: 25 m .....

Location: M54 drive .....

.....

Purpose of Hole: Cover hole .....

Co-ords: ..... E ..... N

Inclination: Horizontal .....

Bearing: .....155°.....°Grid .....°Mag

Target: ..... E ..... N

Depth: .....

Approved by: ..... Date: .....

SURVEY

Survey Co-ords: ....40372.8..... E ...10537.5..... N

Surveyed Bearing: ..153.0°.....°Grid .....°Mag

Surveyed in by: ..... Date .....

Actual Co-ords: ....40372.8..... E ...10537.5..... N

R.L. of Collar: ....926.3.....

Inclination of Hole: -01° - 00' .....

Picked up By: .....B. Lennon..... Date ...26-6-1978.

SUMMARY

Logged By: .....J. M. Clark..... Date .....

Results: .....0-18 m, 18 m at 0.97% WO_3.....

.....

.....

.....

DRILLING

Date Commenced: ...24-6-1978..... Date Terminated..25-6-1978...

Driller/Contractor K.I.S. .....

Casing:	Size :				
	Depth :				
Core:	Size :	AQ			
	Depth :	24.0			

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason .

Extension:

Final Depth: 24.0 m

Reason for Termination: Tested area of interest.

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey:

Water:

Comments on Drilling Conditions: Good.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/9

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6407	0	1	1.0	1.0	0.43	<0.01		
8	1	2	"	"	0.49	<0.01		
9	2	3	"	"	0.49	<0.01		
10	3	4	"	"	0.47	<0.01		
11	4	5	"	"	0.75	<0.01		
12	5	6	"	"	1.16	<0.01		
13	6	7	"	"	0.29	<0.01		
14	7	8	"	"	0.69	<0.01		
15	8	9	"	"	0.88	<0.01		
16	9	10	"	"	0.49	<0.01		
17	10	11	"	"	0.63	<0.01		
18	11	12	"	"	0.79	<0.01		
19	12	13	"	"	0.56	<0.01		
20	13	14	"	"	0.34	<0.01		
21	14	15	"	"	0.79	<0.01		
22	15	16	"	"	0.78	0.04		
23	16	17	"	"	0.24	0.03		
24	17	18	"	"	7.2	0.30		
25	18	19	"	"	0.03	<0.01		
26	19	20	"	"	0.12	<0.01		
27	20	21	"	"	0.03	<0.01		
28	21	22	"	"	0.74	0.04		
29	22	23	"	"	0.20	<0.01		
30	23	24	"	"	0.17	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/9

0.0 - 24.00 m

PYROXENE - GARNET - HORNFELS

Pyroxene garnet hornfels which has indistinct and ragged pods of calcite and actinolite, and less commonly calcite pods. Matrix is composed of grossular (with minor andradite at the top of the hole) calcite and pyroxene. Pyroxene is less abundant from 16.3 - 20.7 m.

From 0.0 - 16.1 m. Scheelite is present as finely disseminated grains which are slightly concentrated over short intervals (up to 20 cm). The ore appears to be medium grade.

Below 16.1 m. Scheelite occurs as very sparsely disseminated fine grains, except for a powellite vein at 16.2-16.6m and a slight concentration of fine grains between 21.2 - 21.4 m.

At 15.4 m, a calcite vein at 42° to the core axis.

Fractures / m	=	5
Recovery	=	100%


DDH BH 550/9.
0.00 — 24.00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 550/8

PLANNING

Proposer: S.G. Brown — Depth: 95m

Location: L56 Cross cut

Purpose of hole: To test C_1 C_2 and D lenses.

Co-ordinates: 40338.0 E 10550.0 N
Inclination: -83°
Bearing 090 Grid
Target: E
Approved by: M.C. Rogers

Magnetic:
Target Depth:
N
Date: 26/4/77

SURVEY

Survey Co-ords: - E N
Survey bearing: 54° 48' Grid
Surveyed in by:
Actual Co-ords: 40334.12 E 10550.16 N
R.L. of Collar: 981.34
Picked up by: A. Grigulis

Magnetic:
Date:
Inclination of Hole: -83° 18'
Date: 8/7/77

SUMMARY

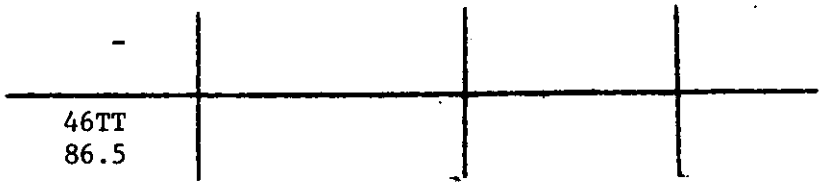
Logged by: S. Grieve Brown
Results: 48.0 - 56.0 8m @ 1.12% WO_3
69.0 - 71.0 2m @ 1.49% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 15/6/77 — Date terminated: 29/6/77

Casing: Size: -
Depth:
Core: Size: 46TT
Depth: 86.5



Wedge Runoff:
Wedge placed: Nil — Depth:
Proposed by: — Approved by:
Reason:
Extension: Nil
Reason for termination: Below mineral horizon

Condition of hole on completion: — Final depth: 86.5m
Casing: left
Cemented: no
Bore hole survey:
Water:

Comments on drilling conditions:

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 550/8

Survey method: Acid tube

Final depth : 86.50m

Casing depth : 1.0m

Depth surveyed to: 60.0

Date surveyed: 16/8/77

Surveyed by : L.D.

Checked by : G.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
4.0	062°	N34° 00'E	7° 30'	-82° 30'	3.97	0.43	0.29
8.0	062°	N34° 00'E	7° 45'	-82° 15'	7.93	0.88	0.59
10.0	062°	N34° 00'E	7° 30'	-82° 30'	9.91	1.10	0.74
20.0	059°	N31° 00'E	7° 15'	-82° 45'	19.83	2.18	1.39
22.0	059°	N31° 00'E	7° 15'	-82° 45'	21.81	2.39	1.52
30.0	052°	N24° 00'E	7° 00'	-83° 00'	29.75	3.29	1.92
40.0	046°	N18° 00'E	7° 00'	-83° 00'	39.68	4.45	2.30
50.0	042°	N14° 00'E	6° 45'	-83° 15'	49.61	5.59	2.59
58.0	042°	N14° 00'E	6° 45'	-83° 15'	57.55	6.50	2.82
60.0	042°	N14° 00'E	6° 45'	-83° 15'	59.54	6.73	2.88
70.0		-	-	-	69.47	7.87	3.17
80.0		-	-	-	79.40	9.01	3.46
86.50		-	-	-	85.86	9.75	3.64

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 0.70	0.70	0.55	79
1.50	0.80	1.16	145
3.00	1.50	1.34	89
4.50	1.50	1.31	87
5.50	1.00	1.04	104
7.00	1.50	1.51	101
8.50	1.50	1.43	95
10.00	1.50	1.52	101
11.50	1.50	1.50	100
13.00	1.50	1.52	101
14.50	1.50	1.45	97
16.00	1.50	1.45	97
17.50	1.50	1.52	101
19.00	1.50	1.48	99
20.50	1.50	1.46	97
22.00	1.50	1.46	97
23.50	1.50	1.48	99
25.00	1.50	1.39	93
26.50	1.50	1.46	97
27.0	0.50	0.53	106
28.50	1.50	1.46	97
30.00	1.50	1.50	100
31.50	1.50	1.38	92
33.0	1.50	1.50	100
34.50	1.50	1.52	101
36.0	1.50	1.46	97
37.50	1.50	1.44	96
38.90	1.40	1.50	107
40.30	1.40	1.48	106
41.70	1.40	1.47	105
43.10	1.40	1.46	104
44.55	1.45	1.50	103
45.95	1.40	1.56	111
47.35	1.40	1.44	103
48.80	1.45	1.48	102
50.20	1.40	1.50	107
52.00	1.80	1.88	104
53.50	1.50	1.51	101
55.0	1.50	1.46	97
56.50	1.50	1.51	101
58.0	1.50	1.45	97
59.50	1.50	1.54	103
61.0	1.50	1.43	95
62.50	1.50	1.48	99
64.00	1.50	1.51	101
65.50	1.50	1.50	100

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
65.50 - 67.0	1.50	1.52	101
68.50	1.50	1.51	101
70.00	1.50	1.50	100
71.50	1.50	1.50	100
73.00	1.50	1.51	101
74.50	1.50	1.50	100
76.00	1.50	1.47	98
77.50	1.50	1.34	89
79.0	1.50	1.50	100
80.50	1.50	1.51	101
82.00	1.50	1.46	97
83.50	1.50	1.42	95
85.0	1.50	0.74	49
EOH 86.5	1.50	0.79	53

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 550/8

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
B4821	0.0	1.0	1.0	1.0	0.22	0.01	
4822	1.0	2.0	1.0	1.0	0.23	0.01	
4823	2.0	3.0	1.0	1.0	<0.01	<0.01	
4824	3.0	4.0	1.0	1.0	<0.01	<0.01	
4825	4.0	5.0	1.0	1.0	<0.01	<0.01	
4826	5.0	6.0	1.0	1.0	<0.01	<0.01	
B4827	47.0	48.0	1.0	1.0	<0.01	<0.01	
28	48.0	49.0	1.0	1.0	1.34	0.04	48.0 - 56.0m
29	49.0	50.0	"	"	0.48	0.03	8.0m @ 1.12% WO_3
30	50.0	51.0	"	"	0.58	0.02	
31	51.0	52.0	"	"	0.87	0.04	
32	52.0	53.0	"	"	1.12	0.04	
33	53.0	54.0	"	"	1.38	0.06	
34	54.0	55.0	"	"	2.05	0.07	
35	55.0	56.0	"	"	1.12	0.03	
36	56.0	57.0	"	"	0.10	<0.01	
37	57.0	58.0	"	"	0.12	<0.01	
38	58.0	59.0	"	"	0.22	<0.01	
39	59.0	60.0	"	"	0.37	0.01	
40	60.0	61.0	"	"	0.01	<0.01	
41	61.0	62.0	"	"	0.05	<0.01	
42	62.0	63.0	"	"	0.05	<0.01	
43	63.0	64.0	"	"	0.24	<0.01	
44	64.0	65.0	"	"	0.04	<0.01	
45	65.0	66.0	"	"	<0.01	<0.01	
46	66.0	67.0	"	"	<0.01	<0.01	
47	67.0	68.0	"	"	<0.01	<0.01	
48	68.0	69.0	"	"	0.06	<0.01	
49	69.0	70.0	"	"	2.23	0.10	69.0 - 71.0m
50	70.0	71.0	"	"	0.74	0.04	2m @ 1.49% WO_3
51	71.0	72.0	"	"	<0.01	<0.01	
52	72.0	73.0	"	"	<0.01	<0.01	
53	73.0	74.0	"	"	0.62	0.02	
54	74.0	75.0	"	"	0.16	<0.01	
55	75.0	76.0	"	"	<0.01	<0.01	

SPECIFIC GRAVITY

Depth (m):
Rock Type:
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/8

0.00 - 5.62 MINERALISED MARBLE

This unit is quite irregular and consists of unreplaced barren grey marble with irregular bands of pyroxene and garnet rich material present over the first 1.8m. Below this point the garnet and pyroxene content is much less and the garnet is now dominantly grossularite rather than the andradite present in the first part of the unit.

Scheelite is present associated with the garnet and may reach ore grade over the first 2 metres.
Bedding is at 60° LCA at 2.10m

5.62 - 16.96 MARBLE

A grey black coloured unit of banded unreplaced marble is barren of scheelite mineralisation and contains no garnet below 7.5m

This unit is fairly typical of the normal B lens marble with the bedding quite disturbed in some areas and zones of remobilised calcite also present.
Bedding is at 57° LCA at 6.8m
55° LCA at 10.5m
64° LCA at 14.4m

A small band of biotite pyroxene hornfels occurs between 15.45 - 15.84m.

16.96 - 47.99 DISTURBED BIOTITE PYROXENE HORNFELS

This unit consists essentially of a brown-purple biotite hornfels with lesser amounts of grey-green pyroxene hornfels present through out.

The unit can be devided into three sections which grade into each other. From 16.96 - 19.19m the core is a podded biotite pyroxene hornfels with initially large numbers of siliceous fragments occuring through out. The number of fragments decreases to 19.18m where disturbed banding commences.

From 19.19 - 24.72m the core is a disturbed banded biotite pyroxene hornfels such as is most commonly located directly below the B lens marble. The banding often has the twisted appearance of pegmatic veining.

Banding is at 65° LCA at 22.2m. Some very minor pyroxene and garnet rich bands occur in this area.

From 24.72 - 44.10m the unit is a disturbed biotite pyroxene hornfels in which the pyroxene forms irregular 'blotches' through out the unit. Minor pods are present initially but these increase in number and size towards 44.10m.

Although initially the pods are all siliceous below 36.5m carbonate pods are present in increasing size. These carbonate pods have narrow pyroxene and garnet rims to them.

A couple of probably minor faults are located as follows:

26.3m approx 41° LCA calcite filled
30.42m approx 21° LCA clinohumite filled

From 44.10 - 45.54m the unit is very rich in calcite present both as pods and in the matrix and the core tends to take on an appearance similar to the pyroxene garnet hornfels.

From 45.54 - 47.99m we again have a slightly podded unit of biotite pyroxene hornfels.

47.99 - 64.71 PYROXENE GARNET HORNFELS

This is a well podded unit of pyroxene garnet hornfels. The garnet content (andradite) is relatively high to about 55.5m below which pyroxene is dominant and the garnet present is mainly grossularite .

Ore grade scheelite is probably present between 48.0 - 55.0m but, although scheelite mineralisation continues through out the unit, below this point it is present as a few large crystals and the overall grade is fairly low.

A small zone of clay pug is present at 58.21m while a distinct fault occurs between 60.18 - 60.51m at approx 25° LCA

At 61.45m 11° LCA fracture.
At 64.16m 11° LCA fracture calcite filled
At 64.58m // ° LCA calcite filled possible fault.

64.71 - 68.48 PODDED BIOTITE PYROXENE HORNFELS

A small unit of disturbed biotite pyroxene hornfels with large numbers of small siliceous and calcareous pods present through out.

This unit is barren of scheelite mineralisation.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/8

A calcite filled possible fault is located at 66.28m 26° LCA.

68.48 - 70.72 GARNET SKARN

A course grained skarn with quite large amounts of pyroxene present through out.

Good grade scheelite is present as finely disseminated crystals.

A small fault is present at 70.72m. This may be part of the Western Fault although it appears too small a zone.

70.72 - 73.45 MARBLE

A coursely recrystalised grey-white marble with well developed bedding present through out.

This unit is completely barren of scheelite mineralisation. Bedding is at 67° LCA at 72.5m. Some iron staining is noted here.

73.45 - 74.58 GARNET SKARN

A coursely crystaline garnet skarn as between 68.48 - 70.72m containing high grade scheelite.

The core is veined and broken over the last 50cm, possible fault .

74.58 - 86.50 EOH BANDED FOOTWALL BEDS

This unit consists of alternating bands of calcite, biotite and pyroxene hornfels.

Initially the marble bands are dominant but below 80.50m these become less frequent and make up only about 30% of the core.

The core is quite badly leached in some areas and some of the calcite bands have weathered to pug.

Brecciated zones are present between 75.12 - 75.43m 75.78 - 76.00m and 76.41 - 76.54m.

Below 79.50m is extremely badly leached and weathered. This is probably due to the proximity of the Western fault.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 550/8

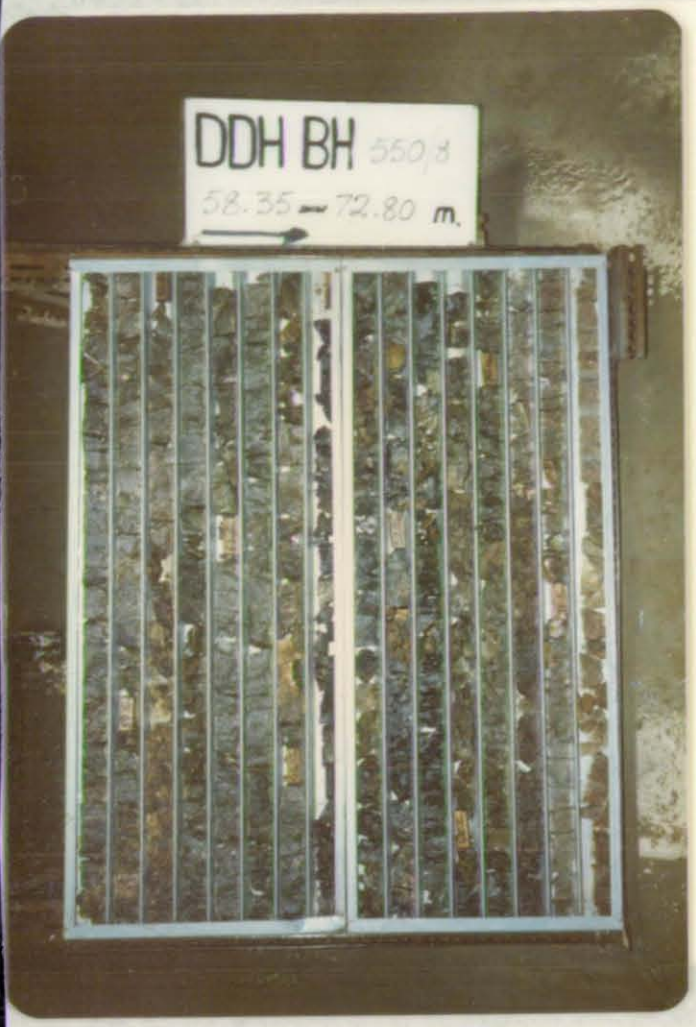
LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	HOLE No.
4829	0.48		5656	0.43		5657	0.60		5658	0.63		B 550/8
4834	2.05		5617	1.53		5618	2.28		5619	2.08		"
4843	0.24		5650	0.18		5651	0.29		5652	0.30		"
4849	2.23		5653	1.96		5654	2.19		5655	1.85		"


DDH BH 550/8
00·00 – 14·50 m.


DDH BH 550/8
14·50 – 29·30 m.


DDH BH 550/8
29·30 – 43·03 m.


DDH BH 550/8
43·03 – 58·35 m.


DDH BH 550/8
58.35 – 72.80 m.


DDH BH 550/8
72·80 – 86·50 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. 550/7

PLANNING

Proposer: S.G. Brown — Depth: 120m

Location: N54 drive off V53

Purpose of hole: To test C_1 C_2 and D lenses.

Co-ordinates: 40349.94 E 10550.0 N
Inclination: -87° Magnetic:
Bearing 090° Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 20/1/77

SURVEY

Survey Co-ords: E N
Survey bearing: 96° 36' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 40 397.0 E 10549.94 N
R.L. of Collar: 971.31 Inclination of Hole: -87° 57'
Picked up by: A. Grigulis Date: 22/2/77

SUMMARY

Logged by: S. G. Brown
Results: 2.0 - 8.0 6m @ 1.13% WO_3 BE 55.0 - 56.0 1m @ 0.31% WO_3 C_2 U
37.0 - 42.0 5m @ 0.99% WO_3 C_1 63.0 - 64.0 1m @ 0.81% WO_3 C_2 L
44.0 - 46.0 2m @ 0.58% WO_3 C_1 78.0 - 79.0 1m @ 0.41% WO_3
104.0 - 105.0 1m @ 1.88% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 15/2/77 Date terminated: 21/2/77

Casing: Size: BX
Depth: 0.30
Core: Size: A17
Depth: 110.10

Wedge Runoff:
Wedge placed: Nil Depth: 110.10
Proposed by: Approved by:
Reason:

Extension: Nil

Reason for termination: Below D lens horizon

Condition of hole on completion: Final depth: 110.10
Casing: Left
Cemented: No

Bore hole survey: Multishot

Water: Minor

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. 550/7

Survey method : MULTISHOT
Final depth : 110.10
Casing depth : 0.3m

Depth surveyed to : 110.0
Date surveyed : 21/2/77
Surveyed by : SGB ~~LGB~~
Checked by :

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
6.0		N83°30'E	-86°		965.31	40397.21	10549.92
12.0		N74°00'E	-86°30'		959.33	40397.60	10549.76
18.0		N61°00'E	-88°		953.34	40397.96	10549.69
24.0		N23°00'E	-88°45'		947.34	40398.17	10549.69
30.0		N11°30'W	-88°		941.34	40398.27	10549.77
36.0		N28°00'W	-88°		935.35	40398.33	10549.97
42.0		N35°00'W	-88°		929.35	40398.33	10550.18
48.0		N27°00'W	-87°53'		923.36	40398.31	10550.18
54.0		N28°00'W	-87°53'		917.36	40398.31	10550.61
60.0		N24°30'W	-87°45'		911.36	40398.31	10550.83
75.0		N27°30'W	-87°53'		896.38	40398.35	10551.42
81.0		N34°30'W	-87°45'		890.38	40398.36	10551.64
[illegible]0		N35°15'W	-87°45'		884.38	40398.34	10551.88
90.0		N38°15'W	-87°23'		875.39	40398.29	10552.23
102.0		N43°00'W	-87°30'		869.40	40398.25	10552.50
108.0		N40°00'W	-87°30'		863.40	40398.18	10552.75
110.0		N51°00'W	-87°30'		861.40	40398.16	10552.83

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. 550/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
00.0 - 3.3	3.30	3.13	94.8
3.3 - 6.6	3.30	3.24	98.2
6.6 - 9.5	2.90	2.90	100.0
9.5 - 12.5	3.00	2.97	99.0
12.5 - 15.5	3.00	2.91	97.0
15.5 - 18.5	3.00	2.99	99.7
18.5 - 21.5	3.00	2.99	99.7
[illegible].5 - 24.5	3.0	3.01	100.3
24.5 - 27.5	3.0	2.93	97.7
27.5 - 30.5	3.0	3.01	100.3
30.5 - 33.5	3.0	2.94	98.0
33.5 - 35.6	2.1	2.20	104.8
35.6 - 38.6	3.0	2.93	97.7
38.6 - 41.6	3.0	3.01	100.3
41.6 - 44.6	3.0	2.96	98.7
44.6 - 47.6	3.0	3.00	100
47.6 - 50.6	3.0	2.99	99.7
50.6 - 53.6	3.0	3.02	100.7
53.6 - 55.8	2.2	2.18	99.1
55.8 - 58.4	2.6	2.66	102.3
58.4 - 61.4	3.0	3.01	100.3
61.4 - 64.4	3.0	2.98	99.3
64.4 - 67.4	3.0	3.02	100.7
67.4 - 70.4	3.0	3.05	101.7
70.4 - 73.4	3.0	2.92	97.3
[illegible].4 - 76.4	3.0	2.96	98.7
[illegible].4 - 79.4	3.0	3.02	100.7
[illegible].4 - 81.3	1.9	1.83	96.3
81.3 - 84.3	3.0	2.99	99.7
84.3 - 87.3	3.0	2.96	98.7
87.3 - 90.3	3.00	3.01	100.3
90.3 - 93.3	3.00	2.81	93.7
93.3 - 96.3	3.0	2.85	95.0
96.3 - 99.3	3.0	2.94	98.0
99.3 - 102.3	3.0	2.92	97.3
102.3 - 105.3	3.0	2.88	96.0
105.3 - 107.2	1.9	1.93	101.6
107.2 - 110.2 Eoh	3.0	3.04	101.3

GEOPEKO LIMITED - ~~King Island~~

ASSAY DATA

D.D.H. No. ~~B 550/7~~

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
B4372	1.0	2.0	1.0	1.0	0.05	<0.01	
4373	2.0	3.0	1.0	1.0	0.44	0.02	
4374	3.0	4.0	1.0	1.0	0.47	0.02	
4375	4.0	5.0	1.0	1.0	1.40	0.10	2.0 - 8.0 6m @ 1.13% WO_3
4376	5.0	6.0	1.0	1.0	1.39	0.09	
4377	6.0	7.0	1.0	1.0	0.93	0.07	
4378	7.0	8.0	1.0	1.0	2,16	0.60	
4379	36.0	37.0	1.0	1.0	<0.01	<0.01	
4380	37.0	38.0	1.0	1.0	2.00	0.08	
4381	38.0	39.0	1.0	1.0	1.46	0.05	
4382	39.0	40.0	1.0	1.0	0.18	0.01	
4383	40.0	41.0	1.0	1.0	0.86	0.03	37.0 - 42.0 5m @ 0.99% WO_3
4384	41.0	42.0	1.0	1.0	0.44	0.02	
4385	42,0	43.0	1.0	1.0	< 0.01	<0.01	
4386	43.0	44.0	1.0	1.0	0.21	<0.01	
4387	44.0	45.0	1.0	1.0	0.85	0.03	44.0 - 46.0 2m @ 0.58% WO_3
4388	45.0	46.0	1.0	1.0	0.31	0.01	
4389	46.0	47.0	1.0	1.0	<0.01	<0.01	
4390	47.0	48.0	1.0	1.0	0.90	<0.01	
4391	48.0	49.0	1.0	1.0	0.06	<0.01	
4392	49.0	50.0	1.0	1.0	<0.01	<0.01	
4393	50.0	51.0	1.0	1.0	0.08	<0.01	
4394	51.0	52.0	1.0	1.0	<0.01	<0.01	
4395	52.0	53.0	1.0	1.0	<0.01	<0.01	

SPECIFIC GRAVITY

Determined by:

Depth (m):
Rock Type:
S.G. :

GEOPEKO LIMITED - King Island

ASSAY DATA

D.D.H. No. B 550/7

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
B4396	53.0	54.0	1.0	1.0	<0.01	<0.01		
B4397	54.0	55.0	1.0	1.0	0.29	0.01	*	
4398	55.0	56.0	1.0	1.0	0.31	0.01	*	
4399	56.0	57.0	1.0	1.0	<0.01	<0.01		
4400	62.0	63.0	1.0	1.0	<0.01	<0.01		
4451	63.0	64.0	1.0	1.0	0.81	0.04	*	
4452	64.0	65.0	1.0	1.0	0.24	0.01		
4453	65.0	66.0	1.0	1.0	0.12	<0.01		
4454	66.0	67.0	1.0	1.0	<0.01	<0.01		
4455	67.0	68.0	1.0	1.0	<0.01	<0.01		
4456	72.0	73.0	1.0	1.0	0.16	<0.01		
4457	78.0	79.0	1.0	1.0	0.41	0.02	*	
4458	98.0	99.0	1.0	1.0	0.07	0.01		
4459	104.0	105.0	1.0	1.0	1.88	0.27	*	

SPECIFIC GRAVITY

Determined by:

Depth (m):
Rock Type:
S.G. :

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No: 550/7

0.0 - 1.76m	MARBLE
	A light grey recrystalized marble with increasing numbers of garnets present towards 1.76m. No bedding is apparent in this unit which is barren.
1.76m - 7.42m	PYROXENE GARNET SKARN
	Initially this unit contains quite high amounts of calcite and is gradational to a mineralized marble but below 2.5m the core is more typical of pyroxene garnet skarns.
	High grade scheelite, present as finely disseminated crystals, occurs between 2.5m and 6.8m. Large crystals of scheelite and rosettes of molybdenum occur between 7.23m - 7.30m while there is a significant enrichment of pyrrhotite in the first 10cm of the unit.
7.42m - 36.68m	DISTURBED BIOTITE PYROXENE HORNFELS
	As is normal with this unit it is initially a biotite hornfels with irregular disturbed bands and patches of pyroxene hornfels which below about 9 metres gives way to a blotchy mottled appearance.
	Small fragments and pods begin to be noticeable below 24 metres and the number and size of these pods increases to the end of the unit.
	Between 34.37m - 35.19m there is a small unit of podded pyroxene calcite hornfels in which large and small calcite pods rimmed with grossularite occur in a light greenish pyroxene rich hornfels.
	The whole unit from 7.42m - 36.68m is unmineralised.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. 550/7

36.68 - 51.62m — PODDED PYROXENE GARNET HORNFELS

This is an irregular unit consisting of varying amounts of grey green pyroxene and brown red garnets with calcite pods present throughout.

Scheelite mineralisation is present throughout usually occuring around the edges of the calcite pods where the garnet tends to andradite rather than the grossulartite which is found in the groundmass.

Ore grade scheelite appears to be present between 37.5 - 38.5m and 40.4m - 41.6m.

51.62 - 53.81 — PODDED BIOTITE PYROXENE HORNFELS

A small unit of podded biotite pyroxene hornfels with minor calcite present as pods. Some garnet is present as rims to the calcite pods.

This unit is unmineralised.

53.81 - 55.31 — PYROXENE GARNET SKARN

This is a small unit which consists of - podded pgh to about 55.10 and aomores uniform pgh tending to garnet skarn in the remainder. High grade scheelite is present in the later portion of this unit which is probably replacement skarn in the top of the C lens marble.

55.91 - 62.81 — MARBLE

A grey white sugary textured recrystalised marble with well developed bedding present throughout.

A small zone of mineralised marble occurs between 61.18 - 61.73 where there were some pelitic bands, as evidenced by a small number of bands of biotite hornfels. This unit contains only trace scheelite and the unit is barren overall.

Bedding is at 60° LCA at 58.0m
67° LCA at 59.8m
69° LCA at 61.3m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. 550/7

62.81 - 63.82	GARNET SKARN A coursely crystaline andradite skarn with high grade scheelite present as disseminated crystals.
63.82 - 66.87	BANDED PYROXENE GARNET SKARN This is a finely banded unit similar to the banded footwall beds but in this area the dominant minerals are pyroxene and garnet. Scheelite is present in decreasing amounts to about 66.63m below which the unit is barren. Ore grade material is probably confined to the first 1.5 metres. Bedding is at 61° LCA at 63.95m 62° LCA at 66.50m
66.87 - 71.70	BANDED BIOTITE PYROXENE HORNFELS This is a finely banded unit of biotite and pyroxene hornfels with, initially, a few narrow calcite bands also present. The unit is barren of scheelite mineralisation. Bedding is at 71° LCA at 67.45 79° LCA at 71.20 Between 70.57 to 70.92 the core is quite broken with calcite infillings, this appears to be a small fault at 9° LCA. There is only minor offset here.
71.70 - 73.51	PYROXENE GARNET HORNFELS A small unit of disturbed pyroxene garnet hornfels with some scheelite mineralisation present between 72.0 and 73.0m. This unit probably reflects the presence of a zone of calcareous sediments in the original pelitic unit.
73.51 - 75.86	BIOTITE HORNFELS A small unit of banded biotite hornfels containing only very minor amounts of pyroxene. A minor aplite vein is present between 74.53 - 74.62m. Bedding 70° LCA at 74.92m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. 550/7

75.86 - 99.88m — BANDED FOOTWALL BEDS

A banded unit consisting essentially of alternating bands of biotite, pyroxene and calcite hornfels. Some garnet bands are present but their overall importance is not sufficient to allow a mineralised banded footwall beds unit to be logged separately.

Garnet skarn bands are present as follows:
77.53 - 77.64, 78.31 - 78.52,
78.72 - 78.9m, 80.22 - 80.30,
80.42 - 80.57, 84.39 - 84.65,
98.15 - 98.52, 99.32 - 99.83.

Below 98.69m the core is quite heavily disturbed and the bedded appearance has been replaced by a podded one.
There is also a zone of broken core at 99.17m - 99.30 with some remnant of calcite veining suggesting that a possible early fault could be located here.
Bedding is at 75^{o} LCA at 77.0m
78^{o} LCA at 80.0m
76^{o} LCA at 85.3m
61^{o} LCA at 88.0m
70^{o} LCA at 89.5m
71^{o} LCA at 93.5m
75^{o} LCA at 97.6m
Between 91.0 and 92.8m the core is badly broken and a number of minor fractures appear to be present in this zone at about 13^{o} LCA
There appears to be a fault zone at 92.7m at about the same sort of angle.

99.88 - 110.20 EOH — BANDED BIOTITE PYROXENE HORNFELS

A finely banded unit of bph typical of the unit underlying the D lens horizon.
There is a small unit of pyroxene garnet hornfels containing some scheelite mineralisation between 103.77m - 104.90m.
Bedding is at 47^{o} LCA at 102.0m
63^{o} LCA at 105.5m
71^{o} LCA at 110.0m

A number of fractures with associated disturbed zones are apparent with in this unit e.g. 101.96 - 102.12m where there is a breccia zone possibly indicating a minor fault.

The other major fracture (calcite filled) occurs between 107.71 and 107.87m sub parallel to the LCA.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 550/7

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 4373	0.44	0.02	2757	0.47		2758	0.54		2759	0.63		
BH 4381	1.46	0.05	2760	1.48		2761	1.44		2762	1.52		
BH 4388	0.31	0.01	2763	0.35		2764 ~~0.35~~	0.44 ~~2764~~		0.44	2765		


DDH BH 550/7
10.00 - 15.01 m.


DDH BH 550/7
15.01 - 29.76 m.

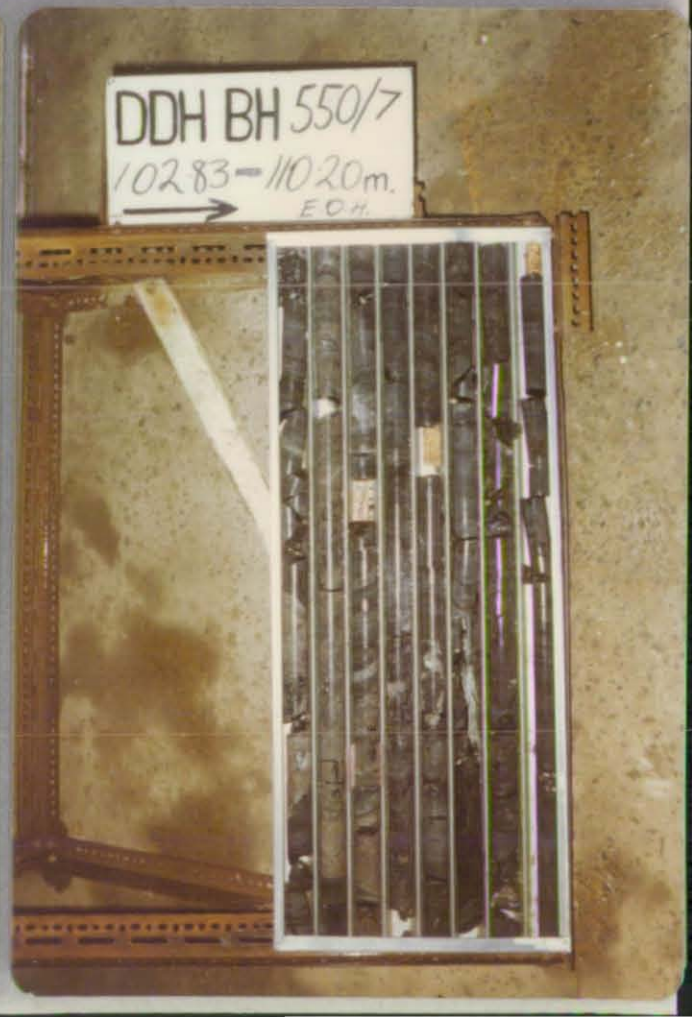

DDH BH 550/7
29.76 - 44.47 m.


DDH BH 550/7
44.47 - 59.26 m.


DDH BH 550/7
59.26 – 74.01 m.


DDH BH 550/7
74.01 – 88.92 m.


DDH BH 550/7
88.92 – 102.83 m.


DDH BH 550/7
102.83 – 110.20 m.
EOH.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 550/6

PLANNING

Proposer: S.G. Brown — Depth: 20m

Location: 0 56 drive.

Purpose of hole: To test 'B' lens east.

Co-ordinates: 10386.5 E 10550 N — N
Inclination: -90° — Magnetic:
Bearing — Grid — Target Depth:
Target: — E — N
Approved by: M.C. Rogers — Date: 12/4/76

SURVEY

Survey Co-ords: — E — N
Survey bearing: 350°24' Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 10 392.69 E 10 549.88 — N
R.L. of Collar: 987.46 — Inclination of Hole: -86°46'
Picked up by: J. Cook — Date: 4/5/76

SUMMARY

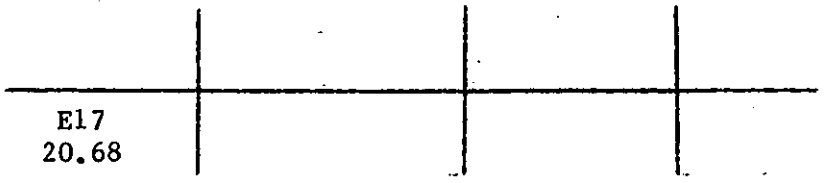
Logged by: S.G. Brown.
Results: 0.0 - 11.0m, 11m @ 0.74% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: 19/4/76 — Date terminated: 26/4/76

Casing: Size:
Depth:
Core: Size:
Depth:



Wedge Runoff:
Wedge placed: Nil — Depth:
Proposed by: — Approved by:
Reason:

Extension: Nil
Reason for termination: Below target area

Condition of hole on completion: — Final depth: 20.68
Casing: Nil
Cemented: No
Bore hole survey: Bore hole not surveyed
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 550/6

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 2692	0.0	1.0	1.0	1.0	0.80	0.04	
3	1.0	2.0	1.0	1.0	1.76	0.08	
4	2.0	3.0	1.0	1.0	1.02	0.04	
5	3.0	4.0	1.0	1.0	0.53	0.02	
6	4.0	5.0	1.0	1.0	0.70	0.03	
7	5.0	6.0	1.0	1.0	0.52	0.02	0.0 - 11.0m,
8	6.0	7.0	1.0	1.0	0.58	0.02	11m @ 0.74% WO_3
9	7.0	8.0	1.0	1.0	0.49	0.02	
2700	8.0	9.0	1.0	1.0	0.57	0.02	
1	9.0	10.0	1.0	1.0	0.52	0.02	
2	10.0	11.0	1.0	1.0	0.61	0.03	
3	11.0	12.0	1.0	1.0	0.01	<0.01	
2704	12.0	13.0	1.0	1.0	<0.01	<0.01	

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 550/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 0.97	0.97	0.86	88.66%
0.97 - 1.77	0.80	0.91	113.75%
1.77 - 3.21	1.44	1.46	101.39%
3.21 - 4.66	1.45	1.43	98.62%
4.66 - 5.38	0.72	0.70	97.22%
5.38 - 6.30	0.92	0.93	101.09%
6.30 - 6.41	0.11	0.17	154.54%
6.41 - 7.15	0.74	0.69	93.24%
7.15 - 8.69	1.54	1.53	99.35%
8.69 - 9.38	0.69	0.71	102.89%
9.38 - 9.72	0.34	0.31	91.18%
9.72 - 10.22	0.50	0.42	84.0%
10.22 - 10.95	0.73	0.77	105.48%
10.95 - 11.39	0.44	0.42	95.45%
11.39 - 12.80	1.41	1.37	97.16%
12.80 - 13.35	0.55	0.49	89.09%
13.35 - 14.54	1.19	1.19	100.0%
14.54 - 16.08	1.54	1.50	97.40%
16.08 - 17.58	1.50	1.54	102.67%
17.58 - 20.68	3.10	2.95	95.16%

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 550/6

Survey Depth:
Final Depth :
Casing depth:

Depth surveyed to:
Date surveyed :
Surveyed by:
Checked by :

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
		NOT SURVEYED		-86° 46'		10392.69	10549.88

REMARKS:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/6

0 - 11.34 PYROXENE GARNET SKARN

A fine grained brown garnet rich skarn containing quite large amounts of pyroxene in the ground mass. Some small calcite pods are present throughout. A major calcite filled fracture is present over the last 20cm of this unit.

Good grade scheelite is present throughout, this unit.

11.34 - 19.26 MARBLE

A dark grey - white unmineralised marble, with some areas of remobilisation and minor areas of garnet present in the first few metres.

For the most part the bedding appears to have been destroyed but minor areas of bedding are present.

Bedding is at 72° LCA @ 17.70m.

19.26 - 20.68 MINERALISED MARBLE

A grey - white marble with minor amounts of pyroxene and garnet present in it. Moderate scheelite is present throughout this unit.

20.68 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 550/6

LAB.	K.I.S.		LAB.	KIS Check		LAB.	AMDEL		LAB.	A.C.S.L.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 2692	0.80	0.04	BH 3233	0.95		BH 3234	0.89		BH 3235	0.92		
BH 2702	0.61	0.03	BH 3236	0.65		BH 3237	0.64		BH 3238	0.62		


DDH BH 550/6
000 - 2068 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 550/5

PLANNING

Proposer: S.G. Brown. Depth: 30m.

Location: 10550N cuddy N52 drill drive.

Purpose of hole: To test 'B' lens fault blocks.

Co-ordinates: 10392 E 10550 N

Inclination: +68° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 1/4/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10392.8 E 10550.0 N

R.L. of collar: 1022.3 Inclination of hole:

Picked up by : R.J.H. Date: 11/4/75

SUMMARY

Logged by : S.G. Brown.

Results: No significant mineralization encountered.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 7/3/75 Date terminated: 12/3/75

Casing: Size : NIL

Depth :

Core: Size : A17

Depth : ~~28.96~~ 29.57

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed above the 'fault block' zone. Final depth: 28.96m

Condition of hole on completion:

Casing : NIL

Cemented : NO.

Bore hole survey: Yes - to 29.57m.

Water:

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 550/5

Survey method : Multishot camera.
Final depth : 28.96m.
Casing depth : NIL.

Depth surveyed to : 28.96m
Date surveyed : 12/3/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		S	W
6.10	272°30'	244°30'	25°15'	+64°45'	5.51	1.12	2.35
18.29	267°30'	239°30'	25°15'	+64°45'	16.55	3.68	6.88
28.96	267°30'	239°30'	24°	+66°	26.81	6.10	10.92

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 550/5

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 11.89	pgh	4		minor chlorite @ 1.36; carbonate @ 6.0, 11.59.		100	90	
11.59 - 22.25	pgh/ bph	6		minor clay, pyrite.		100	69	
22.25 - 29.57	bph/ap /podded pgh			minor chlorite		83	24	Very poor ground - particularly so; (rubble) 22.71 - 26.00 28.56 - 29.57.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length drilled}}$ %
3. Core size. 0 -29.57 A17.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.74	2.74	2.68	98
5.79	3.05	3.10	102
8.84	3.05	3.07	101
11.89	3.05	3.00	98
14.63	3.04	2.86	94
17.68	3.05	3.05	100
20.73	3.05	3.05	100
22.71	1.98	1.58	80
24.38	1.67	1.26	75
27.43	3.05	2.67	88
28.96	1.53	1.45	95
29.57	0.61	0.46	75

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 550/5

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0925	0	1	1.0	1.0	0.08	0.02				
6	1	2	"	"	0.10	0.01				
7	2	3	"	"	0.18	0.02				
8	3	4	"	"	0.03	0.01				
9	4	5	"	"	0.08	0.02				
30	5	6	"	"	0.07	0.01				
1	6	7	"	"	0.23	0.03				
2	7	8	"	"	0.08	0.02				
3	8	9	"	"	0.12	0.02				
4	9	10	"	"	0.06	0.01				
5	10	11	"	"	0.02	0.01				
6	11	12	"	"	0.02	0.02				
D0937	12	13	"	"	0.02	0.02				

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

BH 550/5 - Recheck samples missing.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/5

0 - 12.84m	PYROXENE GARNET HORNFELS

Dominantly a pyroxene rich garnet hornfels with well developed calcite pods present throughout. Actinolite needles are visible in the calcite pods.

Scheelite although present is sparce and probably will not reach ore grade.

Quartz is also present in some areas.

12.84 - 23.02m	BIOTITE PYROXENE HORNFELS

A disturbed irregular biotite pyroxene hornfels. The biotite rich areas are brownish in colour while the lighter grey areas are pyroxene rich.

In some areas irregular bedding is apparent in this core e.g. at 18m, where it is at about 30° L.C.A.

23.02 - 24.58	APLITE

A light green coloured quartz feldspar aplite very mafic poor.

24.58 - 28.96m	PODDED BIOTITE PYROXENE GARNET HORNFELS

The overall appearance is of a biotite pyroxene hornfels as above with irregular garnet pods in the pyroxene rich areas.

Some scheelite is present in these zones as large crystals.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 550/5

LAB.	K.I.S.		LAB.KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
DH0925	0.08	0.02	SAMPLE BAGS MISSING									
D 0935	0.02	0.01										


DDH BH 5506
5501/5
000 - 14.71 m.


DDH BH 5501/5
14.71 - 29.57 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 550/4

PLANNING

Proposer: S. Grieve Brown — Depth: 10m.

Location: 10 550 N cuddy N52 drive (M5) rig.

Purpose of hole: To define Boundary fault and test for ore adjacent to same.

Co-ordinates: 10390 E 10550 N

Inclination: Horizontal — Magnetic

Bearing: 090° Grid — Target depth:

Target: E N

Approved by: M.C. Rogers — Date: 29/1/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 395.06 E 10 552.29 N

R.L. of collar: 1018.41 — Inclination of hole: + 1°32'01"

Picked up by : J. Cook — Date: 7 March, 1975.

SUMMARY

Logged by : S.G. Brown

Results: 0 - 3m, 3m @ 1.45% WO_3
0.12% Mo

DRILLING

Driller/Contractor: ~~A.D.D.~~ Geopeko.

Date commenced: 6/3/75 — Date terminated: 8/3/75

Casing: Size : NIL

Depth :

Core: Size : E/7

Depth : 7.62

Wedge Runoff:

Wedge placed: NIL — Depth:

Proposed by : — Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed through the Boundary Fault. — Final depth: 7.62m

Condition of hole on completion:

Casing : NIL

Cemented : No

Bore hole survey: No

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKC LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 550/4

Depth Interval (metres)	Rock Type	Fract-ures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 4.52	gh/ ph	.5				101	79	
4.52 - 7.62	q	11		carbonate filled joint @ 6.20. Pyrite clino-humite.		90	65	Boundary fault at 4.53m.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length recovered drilled.}}$ %
3. Core size.

   0 - 7.62 EW (24mm).

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No.BH 550/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.59	2.59	2.62	101
6.10	3.51	3.25	93
7.62	1.52	1.44	95

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 550/4

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0547	0	1	1.0	1.0	0.58	0.06				0 - 3m, 3m
8	1	2	"	"	2.15	0.18				@ 1.45% WO_3
9	2	3	"	"	1.61	0.13				0.12% Mo
D0550	3	4	"	"	0.17	0.04				
D0701	4	5	"	"	0.03	0.03				

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 550/4

LAB.	K.I.S.		LAB.	K.I.S.		LAB. A.M.D.E.L.			LAB. A.C.S.L.			Check & repeat analysis.
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo. WO_3	
D 0548	2.15	0.18	BH 1657	1.83	0.08	BH 1658	2.00		BH 1659	2.03	2.03	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 550/4

3.29

0 - ~~99~~m PYROXENE GARNET SKARN (gh)

A good garnet rich skarn with minor calcite and pyroxene. Scheelite is present as fine desseminated grains throughout. Some traces of molybdenite are also present.

3.29m - 4.53 PYROXENE HORNFELS

A fine grained green pyroxene hornfels with minor amounts of biotite present in it. Very minor amounts of molybdenite are present here but almost no scheelite.

4.53 - 7.62 QUARTZITES

A sequence of light grey quartzites and darker grey siltstones.

At about 7m apparent bedding is at 55° L.C.A. High pyrite content is present throughout this unit.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 550/4

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			Repeat and check analysis
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	~~Mo~~ WO_3	
D 0548	2.15	0.18	BH 1657	1.83	0.08	BH 1658	2.00		BH 1659	2.03	2.03	

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO: BH 550/3

PLANNING

Proposer: S. G. Brown. Depth: 62m.

Location: 10550 N Cuddy 1016 R.L. P.23 drive.

Purpose of hole: To define 'B' lens main between boundary fault and No.2 fault.

Co-ordinates: E N

Inclination: -78° Target depth:

Bearing: 090° °Grid °Magnetic

Target: E N

Approved by: M.C. Rogers. Date: 4/12/74

SURVEY

Survey Co-ords: E N

Survey bearing: °Grid °Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 393.77E 10 551.64N

R.L. of collar: 1017.19 Inclination of hole: Could not establish. Hole filled with rubble etc.

Picked up by: J. Cook. Date: 18 Dec. 74.

SUMMARY

Logged by: S.G. Brown.

Results:

0 - 12m	12m @ 0.74% WO_3	0.08% Mo.
22 - 25m	3m @ 0.92% WO_3	0.10% Mo.
29 - 45m	16m @ 0.68% WO_3	0.06% Mo.
48 - 50m	2m @ 1.16% WO_3	0.13% Mo.

DRILLING

Driller / Contractor: A.D.D.

Date commenced: 4/12/74 Date terminated: 9/12/74

Casing:	Size :	NX				
	Depth:	1.52				
Core:	Size :	NQ	BQ			
	Depth:	1.52	63.70			

Wedge Runoff:

Wedge placed: Depth:

Proposed by: Approved by:

Reason:

Extension: NIL. Final depth: 63.70m.

Reason for termination: intersected No.2 fault.

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented: Hole uncemented.

Bore hole survey: Surveyed to 63.40m.

Water: Normal water return throughout.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - Bold Head Mine

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B550/3

Survey method : Multishot camera
Final depth : 63.70m.
Casing depth : 1.52m.

Depth surveyed to : 63.40m.
Date surveyed : 9/12/74
Surveyed by : G.L. Buckland.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E N	N E
15.24	086°15'	060°15	11°15'	- 78°45'	14.96	1.42	2.55
30.48	087°30'	061°30	12°	- 78°	29.88	2.67	5.27
45.72	085°30'	059°30	12°07'	- 77°53'	44.78	4.26	8.03
60.96	083°	057°	12°30'	- 77°30'	59.66	5.99	10.83
63.40	082°30'	056°30	12°	- 78°	62.04	6.29	11.27

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. B550/3

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
[redacted] - 14.23	Pyroxene garnet skarn/ banded pgh.	3		minor clay	11.7m:47° 13.5m:48°	99	94	
14.23 - 29.26	ph/ pyroxene garnet skarn./ banded bpgch.	4		carbonate @ 20.73; pyrite @ 17.60; minor chlorite @ 31.44	23.5m: 63° 26.2m: 54° 27.6m: 62°	99	95	Excellent quality core.
29.26 - 50.20	podded pg skarn/ banded bpgch.	4		pyrite @ 46.30; minor chlorite @ 48.96	41m: 0 - 25° 45m:80° 47m:26° 48.7m: 42°	93	98	Excellent core quality. small rubbly section @ 31.95.
50.20 - 60.03	banded bpgh./ banded pbh./ marble/ pgh.	5		chlorite 51.00 - 51.15. also @ 58.77	50.8m: 31° 52.8m: 35° 54.5m: 25° 55.5m: 38° 57.7m: 37°	97	87	carbonate in core is leached @ 52.10

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length drilled.}}$ %
3. Core size: 0 - 1.52 NQ
   1.52 - 63.70 BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.B550/3

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
59.03 - 60.96	Fault zone (chlorite rich).	+20 -		Abundant chlorite, minor carbonate.		100	15	Fault zone. - core is badly shattered and weathered.
60.96 - 63.70	bh	7		chlorite @ 61.30		96	77	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length } \cancel{\text{recovered}} \text{ drilled.}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B550/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.52	1.52	1.39	91
4.57	3.05	3.05	100
5.03	0.46	0.46	100
8.15	3.12	3.13	100
8.53	0.38	0.37	97
11.58	3.05	3.03	99
14.63	3.05	3.02	99
17.68	3.05	3.02	99
20.73	3.05	3.00	98
23.77	3.04	3.00	99
26.65	2.88	2.95	102
29.87	3.22	3.20	99
32.92	3.05	2.87	94
35.96	3.04	3.01	99
38.40	2.44	2.56	105
42.06	3.66	3.46	95
45.11	3.05	3.04	100
48.16	3.05	3.07	101
51.05	2.89	2.87	99
54.18	3.13	3.02	96
57.30	3.12	3.13	100
60.35	3.05	2.90	95
63.70	3.35	3.34	100

GEOPEKO LIMITED - Bold Head Mine

ASSAY DATA

D.D.H. No. B550/3

SAMPLE No.	DEPTH (METRES) From	To	Length	Length recovered	ELEMENTS WO_3	Mo	COMMENTS
D0374	0	1	1.0	1.0	1.18	0.10	
5	1	2	"	"	1.75	0.15	
6	2	3	"	"	1.04	0.09	0 to 12.0m,
7	3	4	"	"	0.63	0.06	12m @
8	4	5	"	"	0.50	0.06	0.74%WO_3
9	5	6	"	"	0.58	0.07	0.08%Mo
80	6	7	"	"	0.30	0.05	
1	7	8	"	"	0.58	0.07	
2	8	9	"	"	0.74	0.07	
3	9	10	"	"	0.24	0.04	
4	10	11	"	"	0.80	0.08	
5	11	12	"	"	0.58	0.07	
6	12	13	"	"	0.19	0.04	
7	13	14	"	"	0.18	0.05	
D0388	14	15	"	"	0.05	0.02	
D0389	19	20	"	"	0.49	0.05	
90	20	21	"	"	0.03	0.03	
1	21	22	"	"	0.05	0.02	
2	22	23	"	"	1.08	0.13	22.0 to
3	23	24	"	"	0.67	0.09	25m, 3m @
4	24	25	"	"	1.02	0.09	0.92% WO_3
							0.10% Mo
5	25	26	"	"	0.10	0.03	
6	26	27	"	"	0.11	0.03	
7	27	28	"	"	0.17	0.04	
8	28	29	"	"	0.01	0.02	
9	29	30	"	"	0.31	0.06	
D0400	30	31	"	"	0.68	0.07	
1	31	32	"	"	1.21	0.05	
2	32	33	"	"	1.24	0.08	
3	33	34	"	"	0.66	0.05	
4	34	35	"	"	0.12	0.02	
5	35	36	"	"	0.36	0.04	
6	36	37	"	"	0.29	0.08	29 to 45m,
7	37	38	"	"	0.76	0.08	16m @
8	38	39	"	"	1.36	0.10	0.68% WO_3
9	39	40	"	"	0.62	0.07	0.06% Mo
0410	40	41	"	"	0.17	0.04	
1	41	42	"	"	0.43	0.04	
2	42	43	"	"	0.40	0.05	

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - Bold Head Mine

ASSAY DATA

D.D.H. No. B550/3

SAMPLE No.	DEPTH (METRES) From	To	Length	Length recovered	ELEMENTS WO_3	Mo	COMMENTS
			1.0	1.0			
D0413	43	44	"	"	1.91	0.11	
4	44	45	"	"	0.32	0.04	
5	45	46	"	"	0.03	0.02	
6	46	47	"	"	0.04	0.02	
7	47	48	"	"	0.06	0.03	
8	48	49	"	"	1.14	0.15	48 to 50m
9	49	50	"	"	1.17	0.10	2m @ 1.16% WO_3
D0420	50	51	"	"	0.15	0.03	0.13% Mo
D0429	58	59	"	"	0.02	0.02	
D0430	59	60	"	"	0.09	0.03	

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 550/3

LAB.	K.I.S.		LAB. K.I.S.			LAB. A.M.D.E.L.			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	
D 0383	0.24	0.04	BH 1522	0.19	<0.01	BH 1523	0.29		BH 1524	0.30		
D 0393	0.67	0.09	BH 1525	0.54	0.02	BH 1526	0.65		BH 1527	0.76		
D 0403	0.66	0.05	BH 1528	0.57	0.02	BH 1529	0.69		BH 1530	0.72		
D 0413	1.91	0.11	BH 1531	1.34	0.02	BH 1532	1.70		BH 1533	1.65		
D 0430	0.09	0.03	BH 1534	0.06	<0.01	BH 1535	0.11		BH 1536	0.086		

GEOPEKO LIMITED - Bold Head Mine

GEOLOGICAL LOG

D.D.H. No. B550/3

0 - 11.13 PYROXENE GARNET SKARN

A coarsly crystaline unit of pyroxene rich garnet skarn showing well developed garnet crystals. Some quartz is also present in this unit and good grade scheelite mineralization is present throughout although it is noticeably richer in the top 5 metres.

11.13 - 14.23 BANDED PYROXENE GARNET HORNFELS

A well banded unit consisting of alternating pyroxene and garnet calcite horizons. Scheelite mineralization is confined to the garnet calcite horizons and although of reasonable grade in these horizons does not attain ore grade overall due to the presence of the pyroxene bands. These bands increase in number and size to 14.23m, banding reflects original bedding and is at about

47° L.C.A. @ 11.70m.
48° L.C.A. @ 13.50m.

14.23 - 18.98 PYROXENE HORNFELS

A very fine grained light grey green coloured pyroxene hornfels with very minor garnet and quartz veining present throughout. Very minor streaks of biotite rich pyroxene hornfels occur in some areas.

18.98 - 20.36 PYROXENE GARNET SKARN

A blotchy green/brown garnet rich pyroxene skarn with good grade mineralization in it.

20.36 - 29.26 BANDED BIOTITE PYROXENE GARNET CALCITE HORNFELS

The banding in this unit is irregular and shows a tendancy to podding especially of the calcite rich unit.

The garnet bands make up perhaps 40% of the rock unit overall and good scheelite is present in all these areas.

The banding reflects original bedding and lies at

63° L.C.A. at 23.5m
54° L.C.A. at 26.2m
62° L.C.A. at 27.6m

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.B550/3

29.26m - 40.23m PODDED PYROXENE GARNET SKARN

A very disturbed unit of pyroxene garnet skarn with large irregular shaped pods of calcite present throughout the unit. Some very whispy units of biotite rich hornfels are present in some areas and the unit has in some areas the appearance of very disturbed bedding.

Good grade scheelite mineralization is present throughout.

40.23 - 50.20 BANDED BIOTITE PYROXENE GARNET CALCITE HORNFELS.

This is a very disturbed banded unit which initially has a slightly podded appearance. The amount of garnet present here decreases as one goes down the sequence but this maybe due to the bedding directions which is here almost parallel to the L.C.A. Thus the garnet horizons may be quite thin bedding at 41m from 0^{o} - 25^{o} L.C.A.
at 45m from 8^{o} L.C.A.
at 47m from 26^{o} L.C.A.
at 48.7m from 42^{o} L.C.A.

50.20 - 53.38 BANDED BIOTITE PYROXENE CALCITE HORNFELS

A disturbed banded unit of mainly biotite pyroxene hornfels with some large bands of calcite present through it. The banding is very contoured in places and gives the core a slightly podded appearance. Very minor scheelite is present in the calcite bands.

banding at 31^{o} L.C.A. at 50.8m
35^{o} " " 52.8m

53.38 - 56.35 BANDED PYROXENE BIOTITE HORNFELS

A unit of alternating very fine bands of biotite and pyroxene hornfels the banding is disturbed and has a very shallow angle to the core axis.

25^{o} L.C.A. at 54.5m
38^{o} " " 55.5m

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No.B550/3

56.35m - 58.41m **MARBLE**

A disturbed impure recrystalized marble grey in colour. Some banding is still apparent in some areas and some pods and fine bands of pyroxene hornfels are also present.
57.7m 37° L.C.A.

58.41 - 60.03 **PYROXENE GARNET HORNFELS**

A unit of pyroxene garnet hornfels with some calcite pods. Minor scheelite mineralization is present in this unit.

60.03 - 60.96 **FAULT ZONE**

A zone of very broken and weathered chlorite rich rock with calcite in the fractures planes (No.2 fault).

60.96 - 63.70 **BIOTITE HORNFELS**

A light brown purple biotite quartz hornfels rather blotchy in appearance due to grey quartz rich areas.

E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 550/3

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
D 0383	0.24	0.04	BH 1522	0.19	<0.01	BH 1523	0.29		BH 1524	0.30		
D 0393	0.67	0.09	BH 1525	0.54	0.02	BH 1526	0.65		BH 1527	0.76		
D 0403	0.66	0.05	BH 1528	0.57	0.02	BH 1529	0.69		BH 1530	0.72		
D 0413	1.91	0.11	BH 1531	1.34	0.02	BH 1532	1.70		BH 1533	1.65		
D 0430	0.09	0.03	BH 1534	0.06	<0.01	BH 1535	0.11		BH 1536	0.086		


DDH BH 550/3
000 - 2207 m.


DDH BH 550/3
2207 - 4405 m.


DDH BH 550/3
4405 - 6370 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO: B550/2 (F30)

PLANNING

Proposer: S.G. Brown. Depth: 80m

Location: Bold Head Mine 10550N
Cuddy P23 drive 1016 R.L.

Purpose of hole: To define Upper 'B' and 'B' lens main between the Boundary Fault and No. 2 Fault.

Co-ordinates: E 10550 N

Inclination:-62° Target depth:

Bearing: 090° °Grid °Magnetic

Target: E N

Approved by: M.C. Rogers. Date: 25/10/74

SURVEY

Survey Co-ords: E N

Survey bearing: °Grid °Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 394.07 E 10 551.62 N

R.L. of collar: 1017.28 Inclination of hole:-60° 00' 18"

Picked up by: J. Cook. Date: 13 Dec.'74.

SUMMARY

Logged by: S.G Brown.

Results: Upper B lens - 0 - 11m, 11m @ 0.83%WO_3
Pod - 16-17m, 1m @ 0.78% WO_3

DRILLING

Driller / Contractor: A.D.D.

Date commenced: 30/11/74 Date terminated: 4/12/74

Casing:	Size :	NX.				
	Depth:	0.77				
Core:	Size :	NQ	BQ			
	Depth:	0.77	37.87			

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by: Approved by:

Reason:

Extension: NIL Final depth: 37.87

Reason for termination: passed through boundary fault.

Condition of hole on completion:

Casing : 0.91m NX Remains.

Cemented: Hole is uncemented.

Bore hole survey: Surveyed to 36.68m.

Water: Normal

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No BH 550/2

Survey method : Multishot camera
Final depth : 37.87m
Casing depth : 0.91m

Depth surveyed to : 36.68m
Date surveyed : 4/12/74
Surveyed by : S.G. Brown.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		N	E
9.14	091°	065°	30°	-60°	7.92	1.93	4.14
15.24	090°	064°	30°	-60°	13.20	3.20	6.90
24.38	093°30'	067°30'	30°	-60°	21.12	5.12	11.05
30.48	090°30'	064°30'	30°	-60°	26.40	6.48	13.78
36.68	089°30'	063°30'	30°	-60°	31.67	7.78	16.53

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 550/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
- 15.62m	garnet pyroxene skarn / ph	4		minor pyrite @ 14.75, otherwise "fresh"		98	90	
15.62 - 22.51	pyroxene garnet skarn/ bph/ contact zone.	4		Abundant chlorite: 18.62 - 19.08. Also at 19.70, 21.40, 22.10.		99	90	
22.51 - 37.87	q	5		pyrite is gen/ eral eg at 27.88, 26.72. Clinohumite @ 26.82 30.40		99	85	30.30 - 31.30 = bad ground, core is badly broken and contains and calcite and clinohumite veins.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length } \sout{\text{recovered}} \text{ drilled.}}$ %
3. Core size. 0 - 0.77m NQ
   0.77 - 37.87m BQ

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.44	2.44	2.16	89
5.49	3.05	3.03	99
8.53	3.04	3.02	99
11.58	3.05	3.01	99
13.41	1.83	1.74	95
14.63	1.22	1.36	111
17.68	3.05	3.01	99
20.73	3.05	3.00	98
23.77	3.04	3.04	100
26.82	3.05	2.96	97
28.65	1.83	1.80	98
29.72	1.07	1.10	103
32.77	3.05	3.07	101
35.81	3.04	3.02	99
37.87	2.06	2.06	100

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 550/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length recovered	ELEMENTS WO_3	Mo	COMMENTS
D0356	0	1.0	1.0	1.0	1.83	0.12	
7	1.0	2.0	"	"	1.39	0.09	Upper B
8	2.0	3.0	"	"	0.58	0.04	lens:
9	3.0	4.0	"	"	0.52	0.04	0 - 11m, 11m @
60	4.0	5.0	"	"	0.49	0.04	0.83% WO_3,
1	5.0	6.0	"	"	0.22	0.03	0.06% Mo
2	6.0	7.0	"	"	0.51	0.04	
3	7.0	8.0	"	"	1.06	0.07	
4	8.0	9.0	"	"	0.56	0.06	
5	9.0	10.0	"	"	0.92	0.07	
6	10.0	11.0	"	"	1.09	0.06	
7	11.0	12.0	"	"	0.16	0.01	
8	12.0	13.0	"	"	0.18	0.02	
9	13.0	14.0	"	"	0.11	0.01	
70	14.0	15.0	"	"	0.03	0.01	
1	15.0	16.0	"	"	0.18	0.01	
2	16.0	17.0	"	"	0.78	0.04	1m @
							0.78% WO_3
D0373	17.0	18.0	"	"	0.15	0.02	

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D BH 550/2

LAB.	K.I.S.		LAB.	K.I.S.		LAB. A.M.D.E.L.			LAB. A.C.S.L.			Repeat & check analysis.
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo. WO_3	
D 0363	1.06	0.07	BH 1516	0.90	0.02	BH 1517	1.05		BH 1518	1.04	1.01	
D 0373	0.15	0.02	BH 1519	0.07	<0.01	BH 1520	0.18		BH 1521	0.19		

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No. BH 550/2

0 - 13.41m — Garnet Pyroxene Skarn

A well mineralized pyroxene garnet skarn with a relatively high quartz content visible between the garnets which often have well developed crystal faces.

The top 3m of this hole are extremely well mineralized but this decreases to 13.41m.

Below 11m the skarn unit is a banded pyroxene garnet hornfels with minor mineralization present in the garnet rich areas.

From 8.74 - 8.84m a small altered aplite vein occurs while from 9.59 - 10.08m a white quartz rich area occurs.

13.41 - 15.62m — Pyroxene Hornfels

An extremely fine grained light grey green coloured rock unit with some irregular patches of fine brown biotite hornfels especially in the first metre.

Fine banding is apparent at 45° L.C.A. Minor mineralization is present in this unit where Thin garnet bands occur.

15.62 - 17.87m — Pyroxene Garnet Skarn

This unit is much more pyroxene rich than the first skarn horizon and contains bands of almost pure pyroxene rich material. Moderate mineralization is associated with the garnet rich areas.

18.87 - 21.86m — Biotite Pyroxene Hornfels

(bh/ph) A disturbed area of what was originally a finely banded unit consisting of alternating horizons of biotite and pyroxene hornfels. The whole unit has been really mixed up and the banding is at all angles to the core axis.

21.86 - 22.51 — Contact Zone

A disturbed mixed up zone light grey in colour with quite large amounts of silicification present.

GEOPEKO LIMITED - BOLD HEAD MINE

GEOLOGICAL LOG

D.D.H. No. BH 550/2

22.51 - 37.87m Quartzite

A sequence of light grey finely spotted quartzite with minor horizons of hornfelsed darker grey siltstones. Quite large amounts of pyrite are visible especially in the siltstone units.

At 26.82m a clinohumite filled fracture occurs.

The contacts of the siltstone units and the quartzite rich units are irregular some of which is probably due to original deposition.

From 30.26 - 31.29m the core is extremely shattered and broken and has veins of calcite and clinohumite present throughout.

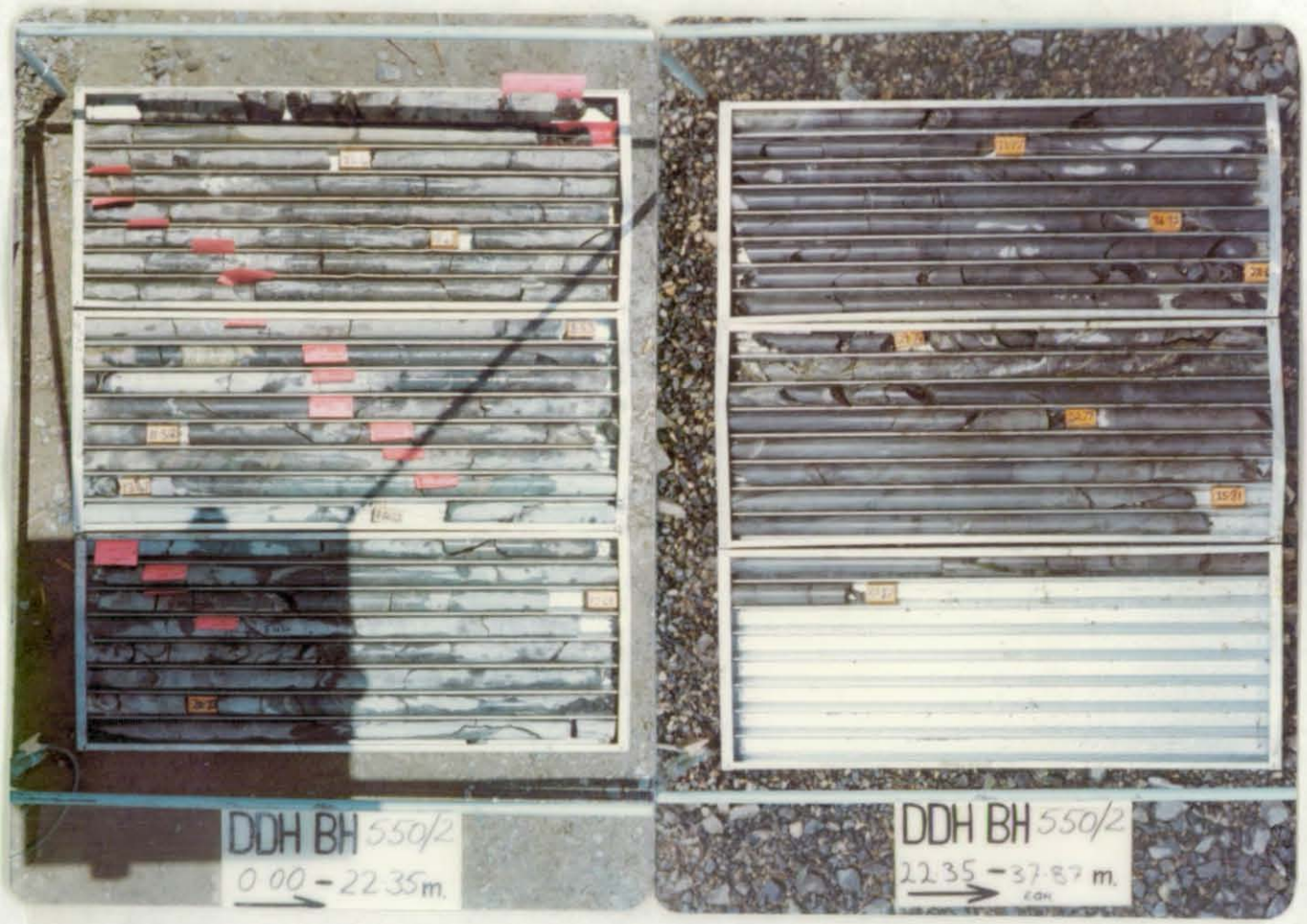
E.O.H. 37.87 metres.

GEOPEKO LIMITED -- KING ISLAND

CHECK ASSAY DATA

D.D.H. 550/2

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			Repeat and check analysis
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo WO_3	
D 0363	1.06	0.07	BH 1516	0.90	0.02	BH 1517	1.05		BH 1518	1.04	1.01	
D 0373	0.15	0.02	BH 1519	0.07	<0.01	BH 1520	0.18		BH 1521	0.19		


DDH BH 550/2
0.00 - 22.35 m.
DDH BH 550/2
22.35 - 37.87 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO: BH 550/1

PLANNING

Proposer: S.G. Brown — Depth: 145m.

Location: 10550 N drill cuddy - off the P28.

Purpose of hole: To test B, C_1, C_2, and D lenses.

Co-ordinates: 10392 E 10550 N

Inclination: -80° — Target depth: 35m.

Bearing: 270 °Grid / °Magnetic

Target: / E N

Approved by: M.C. Rogers. — Date: 14/10/74.

SURVEY

Survey Co-ords: E N

Survey bearing: °Grid °Magnetic

Surveyed in by: — Date:

Actual Co-ords: 10 390.55 E 10 550.48 N

R.L. of collar: 1017.07 — Inclination of hole: 72° 09' 07"

Picked up by: J. Cook. — Date:

SUMMARY

Logged by: S.G. Brown.

Results: Upper 'B' lens 200-14.0m. 12m @ 0.94% WO_3

'B' lens 32 - 40m. 8m @ 0.62% WO_3

'C_1' lens 81-87m. 6m @ 0.75% WO_3

DRILLING

Driller / Contractor: A.D.D.

Date commenced: 23/10/74 — Date terminated: 29/11/74

Casing:	Size :	NX	
	Depth:	0.53	
Core:	Size :	NQ	BQ
	Depth:	0.53	152.70

Wedge Runoff:

Wedge placed: NIL — Depth:

Proposed by: — Approved by:

Reason:

Extension: NIL — Final depth: 152.70m.

Reason for termination: Below level of 'D' lens.

Condition of hole on completion:

Casing : 0.53m NX remains.

Cemented: No - water outflowing.

Bore hole survey: Surveyed to 152.40m.

Water: Normal water return throughout.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 550/1

Survey method : Multishot camera
Final depth : 152.70m.
Casing depth : 1.52m.

Depth surveyed to : 152.40m.
Date surveyed : 29/11/74.
Surveyed by : V. Powell.
Checked by : G. Buckland.

DEPTH (m)	Bearing		Inclination		True Vertical Depth (m)	Co-oridinates	
	Grid	Mag.	Read	Corrected		S	W
15.24	276°	250°	11°15'	-78°45'	- 14.97	1.22	2.65
30.48	284°	258°	10°	-80°	29.96	1.77	5.24
45.72	288°	262°	10°15'	-79°45'	44.97	2.20	7.87
60.96	290°	264°	11°	-79°	59.95	2.51	10.67
76.20	291°	265°	12°	-78°	74.87	2.76	13.74
91.44	294°	268°	12°15'	-77°45'	89.77	2.94	16.95
106.68	295°	269°	12°45'	-77°15'	104.65	3.04	20.22
121.92	297°	271°	13°	-77°	119.50	3.01	23.64
137.16	300°	274°	13°15'	-76°45'	134.33	2.80	28.56
152.40	301°	275°	13°30'	-76°30'	149.15	2.51	32.12

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 550/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 13.62	podded bh/garnet skarn	5		clay @ 12.63, minor chlorite @ 13.62		100	91	0 - 0.53: broken core.
13.62 - 26.47	bh/ middle volcanics.	6		clino - humite on fracture surfaces in fault zone. Carbonate @ 20.14. Chlorite @ 14.64 & 25.54		97	90	broken core: 17.63 - 18.14 Fault zone/ At 21.17 the broken core is filled with silica(?) (minor fault?)
26.47 - 31.78	middle volcanics	12		minor pyrite @ 31.50 carbonate @ 28.64		100	41	At 26.50 the core appears highly fractured and recemented with carbonate.
31.78 - 40.03	Pyroxene skarn	4		clay@ 34.44. carbonate @ 36.25 chlorite @ 38.50		97	96	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length } \sout{\text{recovered}} \text{ drilled.}}$ %
3. Core size. 0 - 0.53 NQ
   0.53 - 152.70 BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No BH 550/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
[illegible] - 55.47	Marble/ pyroxene calcite hornfels	7		carbonate @ 43.20 chlorite @ 53.80 54.36	45m:46° 50m:47° 52m:62°	100	83	
55.47 - 58.52	bh	11		crystalline calcite @ 55:60. chlorite @ 57.70 clinohumite, through out e.g. @ 57.70		99	75	Fault zone. Core is leached and brecciated: 56.50 - 56.82, 57.13 - 57.36.
[illegible] - 74.68	bh	4		chlorite @ 58.58 minor sulphides		96	91	
74.68 - 102.11	bh/ podded ph/ bph/ podded P garnet skarn / podded pbh.	3		carbonate @ 84.95 90.60 93.40 chlorite @ 90.65 90.92 97.64 99.62		97	95	carbonate mass and broken core at 100.75 (Fault?)

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length ~~recovered~~ drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 550/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
102.11 - 114.60	podded pyroxene garnet skarn/ marble.	5		carbonate: 111.56 - 111.75	105m: 77° 108m: 70° 114m: 63°	97	88	broken core: 111.56 - 111.75
114.60 - 133.35	marble/ pyroxene garnet skarn/ bh/marble /bph/ banded cbph	8		chlorite: 114.76 - 116.97 and at 132.67, 132.83. chlorite/ iron oxide: 124.85 - 124.66. carbonate @ 121.12, 127.53.	130.5m: 52° 131m: 82°	88	73	114.76 - 116.97 a) core has little structural strength (can be broken by hand) b) abundant chlorite on joint surfaces Ground core at 126.63
133.35 - 136.09	bph	20		carbonate @ 134.05 chlorite: 135.10 - 136.09	136m: 55°	107	12	Rubble: 133.62 - 134. Generally broken ground, slickensides @ 135.61 Fault Zone: 133.62 - 134.51

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length recovered}}$ %
3. Core size. drilled

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. 550/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
136.09 - 152.70	bph/ granite/	8		chlorite: 137.92 - 139.44 and at 136.84. iron oxide/ chlorite: 149.50 - 150.50	138m:48° 140.7m: 32° 143m:72°	107	69	broken core: 137.75 - 139.36. 140.36 - 140.66 149.50 - 150.50

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length recovered drilled.}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 0.53	0.53	0.53	100
2.34	1.81	1.62	90
5.39	3.05	3.14	103
8.46	3.07	3.07	100
11.51	3.05	3.06	100
13.72	2.21	2.17	98
16.76	3.04	2.93	96
18.14	1.38	1.27	92
20.88	2.74	2.68	98
23.93	3.05	3.14	103
26.47	2.54	2.40	94
31.05	4.58	4.48	98
31.65	0.60	0.67	112
34.44	2.79	3.06	110
37.49	3.05	2.88	94
40.54	3.05	2.70	89
43.28	2.74	2.70	99
43.89	0.61	1.54	252
46.94	3.05	2.14	70
49.99	3.05	3.12	102
52.43	2.44	2.44	100
55.47	3.04	3.00	99
57.45	1.98	2.02	102
58.37	0.92	0.90	98
58.52	0.15	0.10	67
60.66	2.14	2.05	96
62.48	1.82	1.18	65
63.70	1.22	0.73	60
65.53	1.83	2.55	139
68.58	3.05	3.14	103
71.63	3.05	2.96	97
74.68	3.05	2.98	98
77.72	3.04	3.02	99
80.77	3.05	2.96	97
83.82	3.05	3.02	99
86.86	3.04	3.11	102
89.92	3.06	2.97	97
92.96	3.04	3.05	100
96.01	3.05	3.00	98
99.06	3.05	3.14	103
99.67	0.61	0.73	120
102.11	2.44	1.70	70
102.41	0.30	0.28	93
105.46	3.05	2.93	96
108.51	3.05	3.12	102
111.56	3.05	2.96	97

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 550/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
114.60	3.04	2.88	95
118.57	3.97	3.00	76
121.62	3.05	3.07	101
124.66	3.04	2.80	92
126.62	1.96	0.96	49
127.25	0.63	0.66	105
130.30	3.05	3.05	100
133.35	3.05	2.98	98
133.81	0.46	0.45	98
134.11	0.30	0.34	113
136.09	1.98	2.13	108
137.92	1.83	2.93	160
139.14	1.22	1.15	94
140.36	1.22	1.26	103
140.51	0.15	0.09	60
143.56	3.05	3.09	101
145.47	1.91	2.05	107
148.44	2.97	2.92	98
151.49	3.05	3.20	105
152.70	1.21	1.21	100

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No BH 550/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length recovered	ELEMENTS WO_3	Mo					COMMENTS
D0317	1	2	1.0	1.0	<0.01	<0.01					
D0313	2	3	"	"	0.49	0.02					
4	3	4	"	"	1.28	0.06					
5	4	5	"	"	1.39	0.08					Upper B
6	5	6	"	"	1.00	0.04					lens,
D0318	6	7	"	"	1.12	0.06					12m @
9	7	8	"	"	0.62	0.03					0.935%
20	8	9	"	"	0.54	0.03					WO_3
1	9	10	"	"	0.38	0.03					
2	10	11	"	"	0.97	0.05					
3	11	12	"	"	0.61	0.02					
4	12	13	"	"	1.86	0.09					
D0325	13	14	"	"	0.96	0.06					
D0326	31	32	"	"	0.12	0.02					
7	32	33	"	"	1.90	0.11					
8	33	34	"	"	0.69	0.05	3m @	1.15			B lens.
9	34	35	"	"	0.87	0.12					32 - 40m,
30	35	36	"	"	0.29	0.04					8m @
1	36	37	"	"	0.33	0.04					0.62%WO_3
2	37	38	"	"	0.31	0.03	5m @	0.3			0.06 Mo
3	38	39	"	"	0.16	0.02					
4	39	40	"	"	0.39	0.04					
D0335	40	41	"	"	0.01	0.01					
6	81	82	"	"	0.47	0.04					
7	82	83	"	"	0.46	0.04					C_1 lens
8	83	84	"	"	1.14	0.07					
9	84	85	"	"	1.06	0.07					81 - 87m,
40	85	86	"	:	1.00	0.07					6m @
1	86	87	"	"	0.41	0.05					0.75%WO_3
											0.05%Mo
2	87	88	"	"	0.24	0.03					
3	88	89	"	"	0.28	0.03					
4	89	90	"	"	0.29	0.03					
5	90	91	"	"	0.18	0.03					
6	91	92	"	"	0.29	0.03					
7	92	93	"	"	0.16	0.03					
8	93	94	"	"	0.18	0.03					
9	94	95	"	"	0.19	0.03					

SPECIFIC GRAVITY

Depth (m) :
Rock Type :
S.G. :

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No.BH 550/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS						COMMENTS
	From	To	Length	Length recovered	WO_3	Mo					
D0350	95	96	1.0	1.0	0.07	0.02					
D0351	99.5	100.5	"	"	0.16	0.02					
2	100.5	101.5	"	"	0.30	0.04					
D0353	116	117	"	"	0.20	0.04					
4	117	118	"	"	0.11	0.03					
5	118	119	"	"	0.06	0.02					

SPECIFIC GRAVITY

Determined by:

Depth (m) :
Rock Type :
S.G. :

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 550/1

LAB.	K.I.S.		LAB. K.I.S.			LAB. A.M.D.E.L.			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	
D 0313	0.49	0.02	BH 1501	0.69	0.01	BH 1502	0.76		BH 1503	0.75		
D 0323	0.61	0.02	BH 1504	0.64	< 0.01	BH 1505	0.70		BH 1506	0.65		
D 0333	0.16	0.02	BH 1507	0.15	< 0.01	BH 1508	0.27		BH 1509	0.23		
D 0343	0.28	0.03	BH 1510	0.32	< 0.01	BH 1511	0.36		BH 1512	0.34		
D 0353	0.20	0.04	BH 1513	0.17	< 0.01	BH 1514	0.25		BH 1515	0.24		

GEOPEKO LIMITED - BOLD HEAD

GEOLOGICAL LOG

D.D.H. No.BH 550/1

0 - 1.51	Podded Biotite Hornfels A fine grained dark grey brown biotite hornfels with angular fragments of calcite and pyroxene garnet skarn present in it, no mineralization is apparent. This unit appears to be disturbed as the banding where visible is irregular.
1.51 - 13.62	Garnet Skarn (Upper 'B' Lens) A good garnet pyroxene skarn with well developed garnet crystals and minor amounts of calcite present in the core good grade mineralization is present throughout except in the first 50cms.
13.62 - 17.90	Biotite Hornfels Initially a brown biotite hornfels with minor pods to about 14.5m. This unit becomes more uniform and much more crystaline with well developed biotite present in the core. From about 16.0 there is a sporadic development of white feldspars and the core would be indistinguishable from the middle volcanics.
17.90 - 18.14	Fault A narrow fault zone of brecciated biotite hornfels/middle volcanics with good clinohumite development in the fractures. Probably No. 2 fault.
18.14 - 31.75	Middle Volcanics A fine grained biotite rich hornfels with a well developed spotted appearance due to white feldspars. These are irregular in shape and distribution. Some minor pyroxene rich bands are apparent near the top of this unit.
31.75 - 40.02	Pyroxene Skarn ('B' Lens) A fine grained greenish brown skarn unit which lacks the well developed garnets which occur in the upper unit. The grade of mineralization in this unit is variable with the first 4 metres being of higher grade than the lower part of it. This unit shows no signs of the podding which is apparant in other units.

GEOPEKO LIMITED - BOLD HEAD

GEOLOGICAL LOG

D.D.H. No. BH 550/1

40.02 - 52.29 Marble

A light grey well bedded recrystalized limestone. This unit is completely barren.

45m bedding 46° L.C.A.
50m " 47° "
52m " 62° "

52.29 - 54.29 Pyroxene Calcite Hornfels

A mixture of fine grained light green pyroxene with grey marble. This is a hornfels effect on the base of the marble bed in contact with the underlying Bh.

54.29 - 56.50 Biotite Hornfels

This is a fine grained brown - purple coloured biotite hornfels, with some minor lighter grey angular fragments. Some very minor calcite and garnet bands are present here.

56.50 - 56.83 Fault

A very broken zone of biotite hornfels with some infilling of the fractures by clinohumite.

56.83 - 60.66 Biotite Hornfels.

This is a fine grained brown/purple biotite hornfels with light grey/green pyroxene rich bands present in it. These bands increase in number towards 76m. These bands have irregular contacts and tend to merge into the biotite hornfels areas.

The fragments apparent in the unit above are also present in this unit although much smaller and less distinct.

76.32 - 78.96 Podded Pyroxene Hornfels

A light grey pyroxene rich unit containing a large number of calcite pods ranging in size from very small up to 5cm. Rims of garnet are apparant in these pods but there is only minimal scheelite present in this unit.

78.96 - 81.04 Biotite Pyroxene Hornfels

A very fine grained grey/brown biotite hornfels with minor amount of pyroxene banding present in it. Minor amounts of podding is also present with garnet development in the calcite ones.

GEOPEKO LIMITED - BOLD HEAD

GEOLOGICAL LOG

D.D.H. No. BH 550/1

81.04 - 96.04 Podded Pyroxene Garnet Skarn

A medium grained garnet pyroxene skarn with large calcite ovoids present throughout. This unit has a green grey colour throughout and never develops the typical garnet skarn appearance as there is a high pyroxene content throughout.

Some calcite is present on the joint planes but no major faulting is apparent.

This unit is well mineralized in the first 6m. with moderate mineralization throughout the rest of the unit.

96.04 - 99.39 Podded Pyroxene Biotite Hornfels

This unit consists of mainly a fine grained pyroxene rich hornfels with some biotite rich zones in it. The whole unit is well podded with calcite ovoids throughout, base of this unit is very abrupt possibly a bedding plane.

62° L.C.AA

99.39 - 101.45 Podded Pyroxene Garnet Skarn

A very disturbed unit mainly of pyroxene with moderate garnet throughout. Calcite ovoids are present throughout. Very similar to the above unit.

101.45 - 116.15 Marble

A fine grained grey black recrystalized limestone well bedded.

77° L.C.A. @ 105m

70° " @ 108m

63° " @ 114m

No core was recovered between 101.56 and 102.11m. This unit is completely barren.

From 114.60 - 115.15 the core is badly broken and sheared at about 13° L.C.A. about 60cm of core appears to be lost here.

From 113.o - 113.60 a minor unit of banded pyroxene garnet hornfels with low sheelite content occurs.

116.15 - 118.96 Pyroxene Garnet Skarn

Very badly sheared and broken banded pyroxene garnet skarn. There appears to be some core missing in the sheared zone here. The core becomes more solid after 116m.

Minor scheelite is present throughout this unit.

118.96 - 124.46 Biotite Hornfels

A finely banded brown purple biotite hornfels completely barren. Banding at 122.5m 72° L.C.A.

The banding is developed due to minor amounts of pyroxene hornfels and reflects the original compositional banding

GEOPEKO LIMITED - BOLD HEAD

GEOLOGICAL LOG

D.D.H. No. BH 550/1

of the rocks.

124.46 - 126.94 Marble

A finely banded light grey barren marble as above.

126.94 - 128.85 Biotite Pyroxene Hornfels

A finely banded unit consisting of a brown purple biotite hornfels with lesser bands of light grey pyroxene hornfels. Bedding at about 70° L.C.A.

128.85 - 129.46 Aplite

A narrow feldspar rich aplite dyke.

129.46 - 129.73 Biotite Pyroxene Hornfels.

As above.

129.73 - 133.62 Banded Calcite, Biotite Pyroxene Hornfels.

Initially marble rich becoming marble poor from about 132.62m. Garnet occurs as minor bands in the marble except between 130.00 - 130.39 where a band of mineralized pyroxene garnet hornfels occurs.
Bedding at 130.50 52° L.C.A.
131.00 82° L.C.A.

133.62 - 134.51 Fault Zone?

An area of extremely broken biotite pyroxene hornfels with calcite occuring in some of the fractures.

134.51 - 138.63 Biotite Pyroxene Hornfels

A well banded unit consisting of purple brown biotite hornfels and grey green pyroxene hornfels bands in varying proportions. A few minor calcite bands with garnets and trace scheelite also occur.
Bedding at 136m 55° L.C.A.
138m 48° "

138.63 - 139.37 Granite

Very weathered grassy granite. Most of the feldspars have been kaolinized.

GEOPEKO LIMITED - BOLD HEAD

GEOLOGICAL LOG

D.D.H. No.BH 550/1

139.37 - 142.86 Biotite Hornfels.

A finely banded brown purple biotite hornfels. Only very minor pyroxene bands are present in this unit especially in the last 50cm.
Bedding at 32° L.C.A. at 140.7m.

142.86 - 144.05 Garnet Pyroxene Biotite Hornfels.

A banded unit dominatly of garnet skarn with minor calcite interbanded with horizons of pyroxene hornfels with minor biotite.
Minor scheelite mineralization occurs in the garnet horizons.
Bedding is at 72° L.C.A. at 143m.

144.05 - 152.70 Banded Biotite Pyroxene Hornfels

An extremely finely banded unit of alternating biotite and pyroxene rich hornfels.
From 149.50 - 150.50 the core is quite badly broken and iron staining is apparent on the fractures.

E.O.H. 152.70metres.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 550/1

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
D 0313	0.49	0.02	BH 1501	0.69	0.01	BH 1502	0.76		BH 1503	0.75		
D 0323	0.61	0.02	BH 1504	0.64	<0.01	BH 1505	0.70		BH 1506	0.65		
D 0333	0.16	0.02	BH 1507	0.15	<0.01	BH 1508	0.27		BH 1509	0.23		
D 0343	0.28	0.03	BH 1510	0.32	<0.01	BH 1511	0.36		BH 1512	0.34		
D 0353	0.20	0.04	BH 1513	0.17	<0.01	BH 1514	0.25		BH 1515	0.24		


DDH BH 550/1
0.00 - 21.78 m.


DDH BH 550/1
21.78 - 43.28 m.


DDH BH 550/1
43.28 - 65.08 m.


DDH BH 550/1
65.08 - 86.86 m.


DDH BH 550/1
86 86 - 109 39 m.


DDH BH 550/1
109 39 - 133 30m


DDH BH 550/1
133 30 - 151 49 m.


DDH BH 550/1
151 49 - 152 70 m.
EOH