GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 520/7

PLANNING

PROPOSER: J. Clark DEPTH: 5 m

LOCATION: L52 E drive

PURPOSE OF HOLE: To Test For Ore In Floor

CO-ORDS: 40390 E 10520 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: 40396.3 E 10519.0 N

R.L. OF COLLAR: 919.7

INCLINATION OF HOLE:

PICKED UP BY: B. Lennon DATE: 24/11/78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-2 m, 2 m, at 0.42% WO_3 0.01% Mo

DRILLING

DATE COMMENCED: 20/11/78 DATE TERMINATED:

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 8.4

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 8.4 m

REASON FOR TERMINATION: Through Mineralised Pyroxene Garnet Hornfles.

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 520/7

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
D 6776	0	1	1.0	1.0	0.48	0.01		
77	1	2	"	"	0.37	0.01		
78	2	3	"	"	0.28	0.01		
79	3	4	"	"	0.09	0.01		
80	4	5	"	"	0.02	0.01		
81	5	6	"	"	0.03	0.01		
82	6	7	"	"	0.24	0.01		
83	7	8.4	1.4	1.4	0.29	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/7

0.0 - 8.40 m

PYROXENE GARNET HORNFELS

White calcite and calcite/grossular pods are present in a matrix of light green pyroxene, grossular and calcite, with minor amphibole and grossular in scheelite rich areas.

Fine to medium grained moderately disseminated scheelite is present from 0.0 - 2.0 m and in shorter lengths (up to 10cm) elsewhere in the unit. Sparsely disseminated scheelite is present through out.

Calcite veining at 30° to core axis is present at 4.9 m.

Fractures/m = 6
Recovery = 100%


DDH BH 520/7
0.00 — 8.40 E.O.H. m.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 520/6

Survey method : Multishot camera.
Final depth : 47.24.
Casing depth : NIL.

Depth surveyed to :45.72m.
Date surveyed :3/6/75.
Surveyed by :V.J. Powell.
Checked by :R. van Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E S.	N W.
6.10	269°	241°	16°45°	+73°15'	5.84	0.85	2.02
2.19	266°	238°	16°00	+74°00'	11.69	1.73	3.47
18.29	264°	236°	15°45'	+74°15'	17.56	2.66	4.86
24.38	263°30'	235°30'	15°45'	+74°15'	23.43	3.59	6.22
30.48	263°30'	235°30'	15°45'	+74°15'	29.30	4.53	7.58
36.58	263°30'	235°30'	15°45'	+74°15'	35.17	5.46	8.95
45.72	263°	235°	15°30'	+74°30'	43.98	6.84	10.96

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 520/6

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
0 - 2.89	bph	> 15		joints mainly contain sulphide & chlorite joints in aplite contain clay.		82	25	Core badly broken. Some joints show slickensides. Large number of joints/metre & low R.Q.D. indicate poor ground conditions.
2.89 - 14.32	bph	10		carbonate & chlorite @ 3.60 Chlorite @ 6.37, 8.92. Chlorite & sulphide @ 10.40, 10.66, 14.20.		93	64	Most joints contain minor chlorite. Some joints show slickensides e.g. @ 6.79. Core leached @ 13.21. Poor ground conditions.
.32 - 28.95	bph/ pg skarn/ Chm/Ch	3		Chlorite @ 17.84. Chlorite & sulphide @ 18.81. Carbonate @ 22.80, 24.80.		99	90	Only minor joint filling. Low number of joints/ metre & high R.Q.D. indicate good ground conditions.
28.95 - 39.47	Ch/ pg skarn/ Banded	5		Carbonate @ 30.47,	54° @ 32.06.	99	77	Joint filling is relatively minor. Some

WATER DATA GRADES

FURTHER DATA & REMARKS (Compression Tests)

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/A17.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 520/6

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
28.95 - 39.47 cont.	bph			Chlorite & carbonate 32.20. Chlorite & sulphide @ 37.03 Sulphide @ 37.38.	62° @ 33.76. 59° @ 38.04.			bedding has been disturbed. Core leached @ 36.17. Fair ground conditions.
39.47 - 47.24	Banded bph	5		Chlorite & sulphide @ 39.77 Carbonate @ 43.56. Carbonate & chlorite @ 44.63 47.14.		90	76	Core is leached @ 40.85, 42.50, 43.56. Fair ground conditions.

FURTHER DATA & REMARKS (Compression Tests)

Core Size. A.17.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 520/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.89	2.89	2.38	82
5.79	2.90	2.78	96
8.53	2.74	2.54	93
10.51	1.98	1.96	99
12.19	1.68	1.68	100
12.65	0.46	0.25	54
14.32	1.67	1.46	87
16.76	2.44	2.42	99
19.81	3.05	3.04	100
22.86	3.05	3.06	100
25.91	3.05	3.02	99
28.95	3.04	3.03	100
32.00	3.05	3.08	101
34.14	2.14	2.13	100
36.57	2.43	2.38	98
38.10	1.53	1.38	90
39.47	1.37	1.41	103
42.06	2.59	2.13	82
44.50	2.44	2.01	82
47.24	2.74	2.83	103
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/6

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1158	14	15	1.0	1.0	0.11	<0.01				
9	15	16	"	"	0.32	<0.01				15 - 22m,
60	16	17	"	"	0.81	0.02				7m @
1	17	18	"	"	0.31	<0.01				0.80% WO_3
2	18	19	"	"	1.86	0.05				0.02% Mo.
3	19	20	"	"	1.65	0.05				
4	20	21	"	"	0.24	<0.01				
5	21	22	"	"	0.39	0.01				
6	22	23	"	"	0.09	<0.01				
7	23	24	"	"	0.29	<0.01				
8	24	25	"	"	0.17	0.06				
9	25	26	"	"	1.02	0.04				
70	35	36	"	"	0.11	<0.01				
1	36	37	"	"	0.21	<0.01				
2	37	38	"	"	0.32	<0.01				
BH1173	38	39	"	"	0.06	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/6

0 - 14.37m — BIOTITE PYROXENE HORNFELS

This unit shown some banding but this is often disturbed. The ground mass is dominantly of biotite with some minor pyroxene bands present in it.

Between 8.5m - 10.5m the core is quite heavily spotted. Between 0.86 - 1.93m there is an aplite dyke.

Below 12.65m the core is a banded biotite pyroxene hornfels with minor garnet bands in it.

14.37 - 21.78m — PYROXENE GARNET SKARN

This is a very pyroxene rich skarn with a large amount of calcite also present throughout. The whole unit has a completely podded appearance.

Scheelite is present throughout in varying amounts some of which is ore grade.

21.78 - 25.91m — MARBLE MINERALIZED

This unit is dominantly a grey marble with lesser amounts of pyroxene and garnet. ~~Scheelite is present in the garnet~~. Scheelite is present in the garnet and pyroxene rich areas.

25.91 - 35.63m — MARBLE

A barren grey marble usually showing well developed bedding although some areas show signs of being disturbed.
Bedding at 27m approx. 62° L.C.A.
at 31m " 53° "

35.63 - 38.46m — PYROXENE GARNET SKARN

A very fine grained pyroxene garnet skarn light green-pink in colour.

Scheelite is present throughout in varying amounts.

38.46 - 47.24m — BANDED BIOTITE PYROXENE HORNFELS

A fine grained rock type consisting dominantly of biotite hornfels with initially quite large amounts of pyroxene and garnet bands present in it.

The amount of pyroxene present drops off below 44m and the core becomes much more biotite rich.

Banding is at 55° L.C.A. at 41m.
at 63° " at 45m.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. ~~R~~ B 520/6

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 1165	0.39	0.01	BH 3442	0.45		BH 3443	0.48		BH 3444	0.44		


DDH BH520/6
000 - 1402 m.


DDH BH520/6
1402 - 2895 m.


DDH BH520/6
2895 - 4396 m.


DDH BH520/6
4396 - 4724 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH ~~525/7~~ 520/5

PLANNING

Proposer: S.G. Brown. Depth: 70m.

Location: 10525N cuddy in N52 drive.

Purpose of hole: To define B lens.

Co-ordinates: 10374 E 10521 N

Inclination: -80° Magnetic

Bearing: 278 Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:20/2/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10372.23 E 10517.45 N

R.L. of collar: 1017.701 Inclination of hole:

Picked up by : J. Cook. Date: 20/3/75

SUMMARY

Logged by : S.G. Brown.

Results: 47 - 50m, 3m @ 0.72% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 8/3/75 Date terminated: 13/3/75

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	1.00	72.54		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole entered B lens. bph below Final depth: 72.54m.

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 72.54m.

Water:

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH ~~525/7~~ 520/5

Survey method : Kodak Multishot camera.
Final depth : 72.54m.
Casing depth : 1.52m.

Depth surveyed to :72.54m
Date surveyed :13/3/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		S	W
15.24	278°15'	250°15'	11°	-79°	14.96	1.12	2.69
30.48	277°	249°	12°	-78°	29.88	2.17	5.63
45.72	279°15'	251°15'	12°	-78°	44.78	3.19	8.65
60.96	282°30'	254°30'	12°	-78°	59.66	4.19	11.73
72.54	283°30'	255°30'	12°15'	-77°45'	70.97	4.85	14.13

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH ~~5217~~ 5215

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 - 20.65	podded bph/ Lower volcanics/ ~~volcanics/~~ ap	5		minor pyrite @ 2.98 carbonate @ 14.40; 17.10		98	83	Good quality core.
20.65 - 45.11	ap/ lower volcanics	1		carbonate @ 36.60		98	98	Excellent core quality 34.74 - 34.82: clinohumite infilling; Fault?
45.11 - 69.49	lower volcanics/ banded bph/ garnet p skarn/ ch/gp skarn/ ch	3		carbonate @ 51.00 51.40 59.70 minor chlorite @ 57.60m.	48.2m:61° 52m:61°	99	94	Excellent core quality Fault at 47.54; infilled with quartz.
69.49 - 72.54	ch/ bph	9		minor sulphides @ 70.67. carbonate @ 71.80.		99	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). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length } \sim\!\!\text{recovered}\ \text{drilled}}$ %
3. Core size. 0 - 1.0 NQ
   1.0 - 72.54 BQ

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH ~~525/7~~ 520/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.44	2.44	2.34	96
5.49	3.05	3.04	100
8.53	3.04	3.07	101
11.58	3.05	3.01	99
14.40	2.82	2.70	96
17.53	3.13	2.95	94
20.65	3.12	3.08	99
23.77	3.12	3.06	98
26.83	3.06	3.02	99
29.87	3.04	3.02	99
32.92	3.05	3.01	99
35.97	3.05	2.98	98
39.01	3.04	3.02	99
42.06	3.05	3.00	98
45.11	3.05	2.95	97
48.16	3.05	2.91	95
51.21	3.05	3.10	102
54.25	3.04	3.00	99
57.30	3.05	3.05	100
60.35	3.05	3.00	98
63.40	3.05	2.95	97
66.45	3.05	3.02	99
69.49	3.04	3.03	100
72.54	3.05	3.02	99

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH ~~525/7~~ 520/5

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0996	47	48	1.0	1.0	0.33	< 0.01				47 - 50m,
7	48	49	"	"	0.96	0.02				3m @ 0.72% WO_3 0.02% Mo.
D0998	49	50	"	"	0.88	0.02				
D0999	57	58	"	"	0.17	<0.01				
BH1001	58	59	"	"	0.50	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 520/5

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 0999	0.17	<0.01	BH 1654	0.21	< 0.01	BH 1655	0.33		BH 1656	0.32		

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH ~~525/7~~ 520/5

0 - 3.64m	PODDED BIOTITE PYROXENE HORNFELS This unit is very disturbed and contains small angular fragments in a biotite rich matrix.
3.64 - 12.87m	LOWER VOLCANICS Initially this unit grades into the one above over a distance of about 2m. Below the transition zone the core is fairly typical lower volcanics containing well developed feldspar laths.
12.87 - 16.06m	APLITE A very fine grained light grey-white quartz feldspar rich aplite with moderate biotite.
16.06 - 19.52m	LOWER VOLCANICS As above.
19.52 - 21.13m	APLITE As above.
21.13 - 46.17m	LOWER VOLCANICS This unit is much more uniform than the above units. A fault filled with clinohumite occurs at 34.85m. The contact here is intrusive.
46.17m - 47.06	BANDED BIOTITE PYROXENE HORNFELS This unit contains minor marble and garnet near the volcanic contact. Banding is at 57° L.C.A. at 46.8m.
47.06 - 49.94	GARNET PYROXENE SKARN A banded skarn with erratic grade of scheelite throughout. Bedding is at 61° L.C.A. at 48.20m. A quartz filled fault occurs at 47.54m.
49.94 - 57.10m	MARBLE A finely banded marble grey-white in colour with fine black bands. Typical B lens marble. Bedding is at 61° L.C.A. at 52m.
57.10 - 58.96	GARNET PYROXENE SKARN. A disturbed unit of pyroxene garnet hornfels containg minor calcite and showing some relic bedding.
58.96 - 70.19m	MARBLE As above banded grey-white marble. Banding is at 57° L.C.A. at 63.60m. 70° " @ 66.50m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH ~~525/7~~ 520/5

58.96 - 70.19m continued.

The last 1 metre of this unit contains quite large amounts of garnet and pyroxene and 30cm of this zone contains moderate scheelite.

70.19 - 72.54m

BIOTITE PYROXENE HORNFELS

A finely banded biotite pyroxene hornfels with only minor amounts of pyroxene.

E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 520/5

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 0999	0.17	<0.01	BH 1654	0.21	<0.01	BH 1655	0.33		BH 1656	0.32		

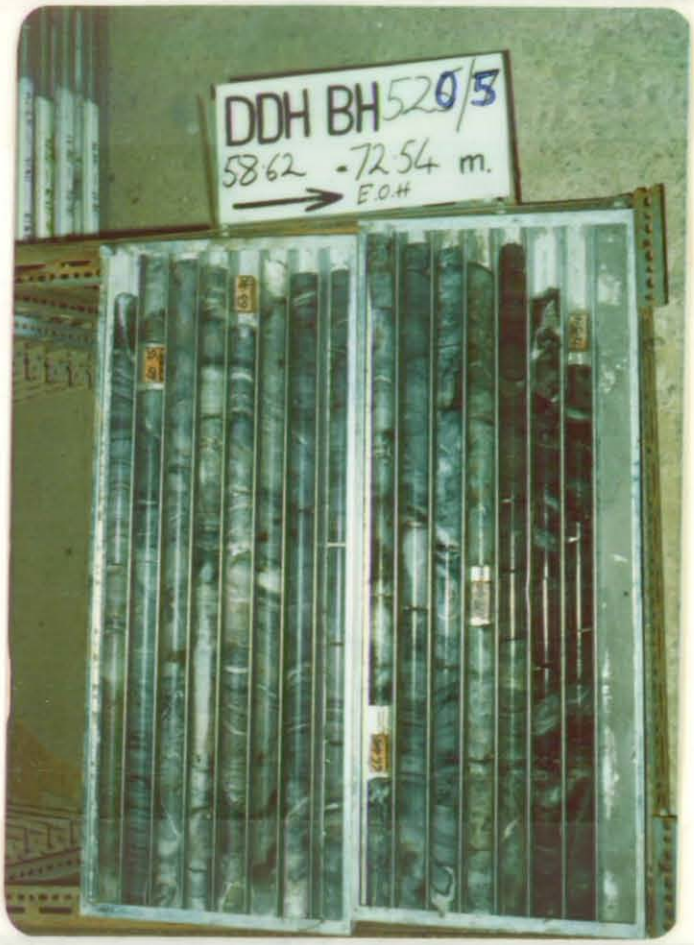

DDH BH520/5
0·00 - 14·40 m.


DDH BH520/5
14·40 - 29·11 m.

O.D.H. 520/5


DDH BH520/5
29·11 - 43·59 m.


DDH BH520/5
43·59 - 58·62 m.


DDH BH 520/3
58·62 - 72·54 m.
E.O.H

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 520/4

Survey method : Multishot camera.
Final depth : 91.44m.
Casing depth : 1.52m

Depth surveyed to : 91.44m
Date surveyed : 20/3/75
Surveyed by : V.J. Powell
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E S	N W
15.24	272°30'	244°30'	45°15'	-44°45'	10.82	4.62	9.70
30.48	273°30'	245°30'	45°45'	-44°15'	21.52	9.17	19.54
45.72	273°30'	245°30'	47°45'	-43	32.03	13.78	29.57
60.96	273°30'	245°30'	48°30'	-41°30'	42.22	18.58	39.83
76.20	274°	246°	49°	-41°	52.27	23.19	50.32
91.44	274°	246°	49°	-41°	62.28	27.68	60.90

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 520/4

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 - 23.47m	disturbed bph/ bpcgh/ banded bph.	4		minor clay (20.89), carbonate (14.15), 18m:46° pyrite (5.52), & chlorite @ 10.32.		97	85	
23.47 - 50.90	banded bph/ volcanics.	4		pyrite @ 26.87, good carbonate throughout, e.g. @ 38.00 - 50.0. minor chlorite @ 47.95.		98	95	Core is brecciated @ 24.52 (Fault?).
50.90 - 66.14	Volcanics/ ap./ volcanics/ banded cpgh	6		carbonate l.g. @ 61.55 chlorite e.g. @ 60.96m.		98	87	

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 - 0.50: NQ
   0.50 - 91.44 BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.BH 520/4

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)
66.14 - 91.44	Banded cpgh/ G. skarn ch/bh.	8		carbon-ate is general chlorite @ 79.90	78.45 = 40° 79.60m =35° 80.80m =30° 89.0m =30°	98	66	Bad ground (rubble) 77.83 - 78.33 87.75 - 88.61 89.60 - 89.80 90.53 - 91.44 74.34 - 74.58: core has little structural strength. (Chlorite is common). Core is brecciated & carbonate is recemented: 90.32 - 90.42. & @ 90.70. 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). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 520/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.13	2.13	1.80	85
5.18	3.05	2.96	97
8.23	3.05	2.99	98
11.28	3.05	3.06	100
12.80	1.52	1.66	109
13.72	0.92	0.96	104
16.84	3.12	3.17	101
17.34	0.50	0.31	62
20.42	3.08	3.06	99
23.47	3.05	2.87	94
26.52	3.05	2.98	98
29.57	3.05	3.00	98
32.61	3.04	2.94	97
35.66	3.05	2.96	97
38.71	3.05	2.78	75
41.75	3.04	3.12	103
44.81	3.06	3.07	100
47.85	3.04	2.96	97
50.90	3.05	3.02	99
53.94	3.04	2.91	96
56.99	3.05	2.99	98
60.05	3.06	3.02	99
63.09	3.00	3.02	100
66.14	3.09	3.00	97
66.90	0.76	0.73	96
69.19	2.29	2.32	101
72.24	3.05	3.02	99
73.91	1.67	1.50	90
75.28	1.37	1.32	96
78.33	3.05	2.87	94
81.38	3.05	3.08	100
84.43	3.05	3.02	99
85.65	1.22	1.21	99
87.48	1.83	1.82	99
87.78	0.30	0.36	120
90.53	2.75	2.67	97
91.44	0.91	0.90	99

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/4

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0938	65	66	1.0	1.0	0.02	<0.01				
9	66	67	"	"	0.19	"				
40	67	68	"	"	1.20	0.02				
1	68	69	"	"	1.31	0.04				
2	69	70	"	"	0.64	0.01				
3	70	71	"	"	0.86	0.01				
4	71	72	"	"	0.90	0.01				
5	72	73	"	"	0.85	0.01				
6	73	74	"	"	0.17	<0.01				
D0947	74	75	"	"	0.35	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 520/4

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 0941	1.31	0.04	BH 1651	1.18	0.03	BH 1652	1.45		BH 1653	1.31	1.32	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/4

1 - 15.94m	DISTURBED BIOTITE PYROXENE HORNFELS Essentially a dark brown purple biotite hornfels with irregular lighter brown to green pyroxene rich patches present in it. Occasional pods of marble with minor garnet ore also present in this unit and usually have pyroxene halos'.
15.94m - 20.39m	BIOTITE PYROXENE CALCITE GARNET HORNFELS This is a banded unit in which the bands of pyroxene are more like elongate pods. Quite large amounts of garnet and calcite are present in this unit and there is minor scheelite present in the garnet horizons. Bedding is at 46° L.C.A. at 18.0m
20.39m - 24.64m	BANDED BIOTITE PYROXENE HORNFELS A disturbed banded unit in which the biotite is present as dark brown purple bands in a light grey pyroxene rich unit. Between 23.48 - 24.64 the core is skarnified with some marble and quite large amounts of pyrite and pyrrhotite.
24.64 - 24.74m	FAULT ZONE A small fault zone with calcite in filling.
24.74 - 52.38m	MIDDLE VOLCANICS Typical middle volcanics initially very fine grained but becoming coarser with well developed feldspar laths present throughout. Quite large amounts of pyrite are present in this unit.
52.38m - 60.95m	APLITE DYKE An almost grantic textured intrusion rich in biotite and with well developed pink feldspar laths present in some areas.
60.95m - 65.34m	MIDDLE VOLCANICS As above.
65.34m - 67.54m	BANDED CALCITE PYROXENE GARNET HORNFELS An impure marble with bands of pyroxene and garnet skarn present in it. Mineralization is present in the garnet rich areas. Bedding is at approx. 48° L.C.A.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/4

67.54m - 74.57m GARNET SKARN

A podded pyroxene garnet skarn in which the garnet is dominant. Some relic bedding is also apparent in this area.

Scheelite is present in quite large amounts, it is ore grade here. The last 2.5m of this unit is quite weathered and broken and at 73.2m. There is a small amount of pug probably a fault zone.

74.5m - 91.0m 'B' LENS MARBLE

A grey marble with dark grey - blue banding and spotting present in it. Some minor areas contain garnet with minor scheelite but this does not reach ore grade.

At 85.51m there is a small fault zone present with pug in filling.

Similarly at 86.95m .

Ross Western Fault → Between 87m - 88.5m the core is very disturbed and leach. Bedding is at 31° L.C.A. at 89m.

91.0m - 91.44m BIOTITE HORNFELS

A few very broken pieces of biotite hornfels.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 520/4

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 0941	1.31	0.04	BH 1651	1.18	0.03	BH 1652	1.45		BH 1653	1.31	1.32	

520/4

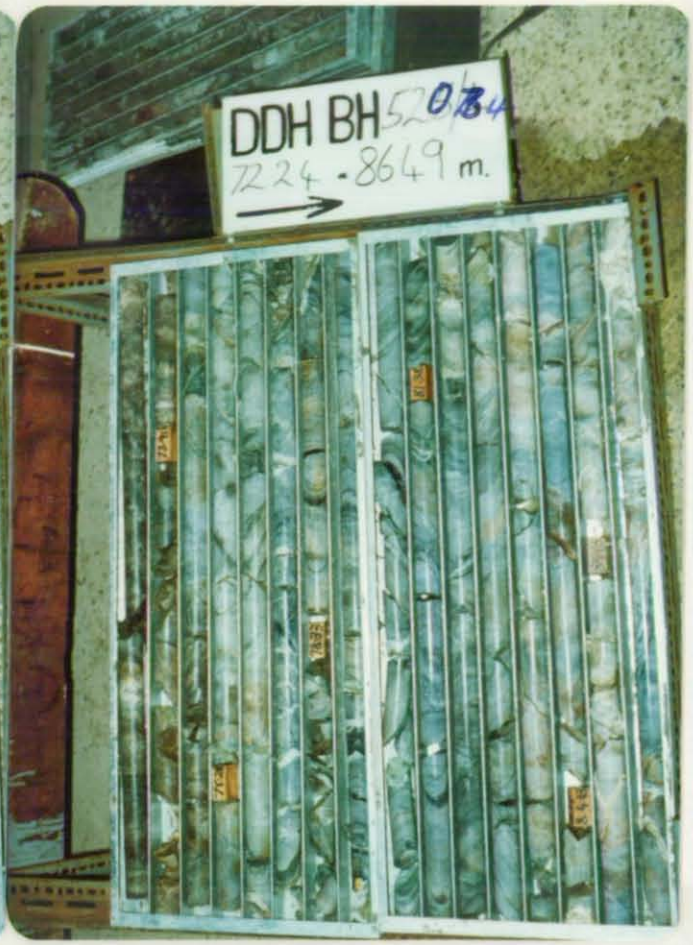

DDH BH 520/4
0.00 - 14.78 m.


DDH BH 520/4
14.78 - 29.26 m.


DDH BH 520/4
29.26 - 43.94 m.


DDH BH 520/4
43.94 - 58.67 m.


DDH BH 03
58·67 - 72·24 m.


DDH BH 03
72·24 - 86·49 m.


DDH BH 03
86·99 - 91·44 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 520/3

PLANNING

Proposer: S. Grieve Brown — Depth: 175m

Location: 10525N cuddy on M52 drive.

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

Co-ordinates: 10374 E 10521 N

Inclination: -74° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 20/2/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 375.91 E 10 517.55 N

R.L. of collar: 1017.72 Inclination of hole:

Picked up by : J. Cook Date: -75°09'16" 10/3/75

SUMMARY

Logged by : S.G. Brown

Results: B lens fault blocks: 37 - 48m, 11m @ 1.40% WO_3
64 - 66m, 2m @ 0.99% WO_3

C_1 lens: 101 - 108m, 7m @ 0.48% WO_3

C_2 lens: 116 - 127m, 11m @ 1.23% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 27/2/75 Date terminated: 11/3/75

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	0.84	210.01		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole entered volcanics. Final depth: 210.01m

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 185.93m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 520/3

Survey method : Multishot camera.
Final depth : 210.01m.
Casing depth : 1.52m.

Depth surveyed to : 185.93m
Date surveyed : 11/3/75
Surveyed by : V.J. Powell
Checked by : G.L. Buckland

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		N	E
15.24	096°30'	068°30'	14°	-76°	14.76	1.29	3.55
30.48	097°45	069°45'	14°30'	-75°30'	29.52	2.62	7.08
45.72	097°	069°	15°	-75°	44.25	4.02	10.75
60.96	097°	069°	13°15'	-76°45'	59.04	5.33	14.19
76.20	094°30'	066°30'	13°	-77°	73.88	6.61	17.38
91.44	098°30'	070°30'	13°15'	-76°45'	88.72	7.81	20.64
106.68	101°	073°	13°15'	-76°45'	103.56	8.94	23.91
121.92	099°	071°	13°	-77°	118.40	10.05	27.18
137.16	101°15'	073°15'	14°	-76°	133.21	11.09	30.64
152.40	101°45'	073°45'	14°	-76°	147.99	12.14	34.17
167.64	102°	074°	14°30'	-75°30'	162.75	13.16	37.83
185.93	102°	074°	15°	-75°	180.43	14.48	42.33

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 520/3

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 - 14.63	podded bh /podded ph	6		minor pyrite & chlorite. carbonate @ 11.25		97	81	0 - 0.64: rubble (collaring in hole). 8.48 - 8.58: core is strongly leached.
14.63 - 32.92	podded ph/pgh	3		chlorite @ 29.60		100	95	19.31 - 19.44: Fault? - core is carbonate filled & has little structural strength as it is broken up & set in a clay (?) mush. 25.54 - 25.80: Fault? - carbonate & minor chlorite filling.
32.92 - 48.16	bph/ g skarn	2		minor chlorite @ 42.0, 33.60. minor pyrite.		100	99	Excellent core quality.

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 - 0.84 NQ
   0.84 - 210.01 BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 520/3

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)
48.16 - 63.40	bh/ marble	7		clinohumite crystals @ 52.45		100	42	Generally poor ground: rubble - 53.36 - 53.75, 57.91 - 58.30, (good chlorite here), 58.76 - 58.85, 60.02 - 60.15. 60.30 - 60.45: core is brecciated and carbonate recemented. (Fault?). Bh is bad ground (good chlorite and pyrite).
63.40 - 81.69	pg skarn / bph	8		carbonate @ 69.95 79.15 76.40		98	76	
81.69 - 99.97	bph/ podded bph	4		carbonate @ 89.20, 89.50 chlorite @ 93.32 95.92		99	97	Excellent core quality
99.97 -								

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 520/3

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)
99.97 - 121.31	pg skarn/ pgh/ g skarn	2		chlorite @ 107.66 carbonate @ 114.15		99	98	Excellent core quality. Fault @ 101.55 - good calcite & some chlorite as infilling.
121.31 - 136.55	marble / bph/ gp skarn/ bph/pgh	3		good chlorite @ 123.90. carbonate @ 133.85.		99	90	131.39 - 131.62 & 133.18 - 133.50: core is broken into lengths each less than 10cm.
136.55 - 153.46	bph banded bpcgh	4		minor carbonate.	139.3m: 60° 143m: 66° 145.5m: 74° 150m: 74° 153m: 70°	98	95	Rubble: 142.59 - 142.71. core is weakly leached at 139.78 & 142.50.
153.46 - 176.17	banded bpcgh/ banded bpch/ banded bph.	5		carbon- @ 175.40 chlorite @ 165.0	156m: 68° 160.5m: 68° 164m: 64° 174m: 66°	98	90	Rubble: 164.75 - 165.16; weakly brecciated (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 520/3

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)
176.17 - 205.28	banded bph/ volcanics	6		minor carbonate & chlorite @ 183.0 pyrite & chlorite @ 182.17. carbonate @ 185.33.	178m: 73° 179m: 58° 183.2m: 56° 188.4m: 58° 194.5m: 36°	97	80	bad ground: 177.16 - 177.27. (core is sheared). Rubble: 195.20 - 195.40 (core is brecciated - fault?).
205.28 - 210.01	volcanics	+ 15		chlorite on most surfaces.		92		Badly weathered section: Rubble: 205.84 - 206.11, while the rest of the interval is badly broken 205.70 - 205.84: core is riddled with carbonate veinlets.

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.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 520/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.44	2.44	2.36	97
5.49	3.05	3.03	99
8.53	3.04	2.98	98
11.58	3.05	3.00	98
14.63	3.05	2.75	90
17.68	3.05	2.98	98
20.73	3.05	3.00	98
23.77	3.04	3.00	98
26.82	3.05	3.06	100
29.87	3.05	3.10	102
32.92	3.05	3.10	102
35.97	3.05	3.08	101
39.01	3.04	3.02	99
42.06	3.05	3.06	100
45.11	3.05	3.02	99
48.16	3.05	3.04	100
51.21	3.05	3.05	100
54.25	3.04	3.10	102
57.30	3.05	3.03	99
60.35	3.05	3.04	100
63.40	3.05	3.06	100
66.45	3.05	3.05	100
69.49	3.05	2.73	90
72.54	3.05	3.18	104
75.59	3.05	3.04	100
78.64	3.05	3.03	99
81.69	3.05	2.93	96
84.73	3.04	3.04	100
87.78	3.05	3.00	98
90.85	3.05	2.94	96
93.87	3.02	3.02	100
96.92	3.05	2.99	98
99.97	3.05	3.03	99
103.02	3.05	3.02	99
106.07	3.05	3.00	98
109.11	3.04	2.96	97
112.16	3.05	3.02	99
115.21	3.05	3.04	100
118.26	3.05	3.03	99
121.31	3.05	3.00	98
124.35	3.04	3.00	98

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 520/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 127.40	3.05	3.02	99
130.45	3.05	3.05	100
133.50	3.05	3.04	100
126.55	3.05	3.02	99
139.59	3.04	2.98	98
142.64	3.05	2.75	90
145.69	3.05	3.15	103
148.74	3.05	3.06	100
151.79	3.05	2.94	96
154.83	3.04	3.03	100
157.88	3.05	2.91	95
160.93	3.05	3.18	104
163.98	3.05	2.83	93
167.03	3.05	2.97	97
170.08	3.05	3.00	98
173.13	3.05	3.02	99
176.17	3.04	3.02	99
179.22	3.05	2.96	97
182.27	3.05	3.00	98
185.32	3.05	2.92	96
188.57	3.25	2.95	91
191.41	2.84	3.04	107
194.46	3.05	3.05	100
197.51	3.05	2.86	94
200.56	3.05	2.95	97
203.61	3.05	3.02	99
206.65	3.04	2.80	92
209.70	3.05	2.61	86
210.01	0.31	0.37	119

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/3

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0834	14	15	1.0	1.0	0.01	0.02				
5	15	16	"	"	0.05	0.02				
6	16	17	"	"	0.14	0.03				
7	17	18	"	"	0.17	0.03				
8	18	19	"	"	0.15	0.03				
9	19	20	"	"	0.09	0.02				
40	20	21	"	"	0.05	0.02				
1	21	22	"	"	0.25	0.05				
2	22	23	"	"	0.04	0.03				
3	23	24	"	"	0.08	0.02				
4	24	25	"	"	0.05	0.02				
5	25	26	"	"	0.06	0.02				
6	26	27	"	"	0.10	0.05				
7	27	28	"	"	0.36	0.04				
8	28	29	"	"	0.07	0.06				
9	29	30	"	"	0.12	0.05				
50	30	31	"	"	0.11	0.03				
1	31	32	"	"	0.03	0.02				
2	32	33	"	"	0.22	0.04				
3	33	34	"	"	<0.01	0.02				
4	34	35	"	"	<0.01	0.02				
5	35	36	"	"	<0.01	0.02				
6	36	37	"	"	0.01	0.02				
7	37	38	"	"	1.32	0.09				
8	38	39	"	"	0.66	0.06				
9	39	40	"	"	0.80	0.08				
60	40	41	"	"	0.87	0.08				B lens fault block - 37 - 48m, 11m @ 1.40% WO_3 0.12% Mo
1	41	42	"	"	0.86	0.08				
2	42	43	"	"	1.02	0.09				
3	43	44	"	"	0.61	0.06				
4	44	45	"	"	0.46	0.05				
5	45	46	"	"	4.12	0.27				
6	46	47	"	"	5.20	0.36				
D0867	47	48	"	"	0.82	0.06				
										(Assays greater than 4% are written down to 4%).

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/3

SAMPLE No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
D0868	63	64	1.0	1.0	0.20	0.04	
9	64	65	"	"	1.31	0.10	B lens fault block + 64 - 66m, 2m @ 0.99% WO_3 0.09% Mo
70	65	66	"	"	0.67	0.07	
1	66	67	"	"	0.23	0.04	
2	67	68	"	"	0.03	0.06	
D0873	68	69	"	"	0.02	0.08	
D0874	98	99	"	"	0.01	0.02	
5	99	100	"	"	0.09	0.02	
6	100	101	"	"	0.23	0.03	
7	101	102	"	"	0.54	0.04	
8	102	103	"	"	0.12	0.02	
9	103	104	"	"	0.37	0.04	
80	104	105	"	"	0.98	0.06	C_1 lens: 101 - 108m, 7m @ 0.48% WO_3 0.04% Mo
1	105	106	"	"	0.58	0.05	
2	106	107	"	"	0.30	0.04	
3	107	108	"	"	0.48	0.04	
4	108	109	"	"	0.20	0.03	
5	109	110	"	"	0.09	0.02	
6	110	111	"	"	0.06	0.02	
7	111	112	"	"	0.17	0.03	
8	112	113	"	"	0.35	0.03	
9	113	114	"	"	0.09	0.03	
90	114	115	"	"	0.11	0.03	
1	115	116	"	"	0.05	0.02	
2	116	117	"	"	2.10	0.12	C_2 lens: 116 - 127m, 11m @ 1.23% WO_3 0.10% Mo
3	117	118	"	"	1.76	0.12	
4	118	119	"	"	1.90	0.14	
5	119	120	"	"	1.56	0.12	
6	120	121	"	"	2.52	0.19	
7	121	122	"	"	1.08	0.09	
8	122	123	"	"	0.13	0.03	
9	123	124	"	"	0.09	0.03	
D0900	124	125	"	"	0.78	0.08	
1	125	126	"	"	1.28	0.15	
2	126	127	"	"	0.34	0.04	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/3

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0903	127	128	1.0	1.0	0.13	0.03				
4	128	129	"	"	0.08	0.04				
D0905	133	134	"	"	< 0.01	0.02				
6	134	135	"	"	0.03	0.02				
D0907	135	136	"	"	< 0.01	0.02				
D0908	142.5	143.5	"	"	0.16	0.04				
D0909	153	154	"	"	0.14	0.04				
0910	154	155	"	"	0.19	0.04				
D0911	164	165	"	"	0.04	0.01				
D0912	167	168	"	"	0.25	0.04				
3	168	169	"	"	0.17	0.04				
D0914	169	170	"	"	0.15	0.03				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 520/3

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 0841	0.25	0.05	BH 1681	0.26	< 0.01	BH 1682	0.38		BH 1683	0.38		
D 0851	0.03	0.02	BH 1684	0.02	< 0.01	BH 1685	0.04		BH 1686	0.036		
D 0861	0.86	0.08	BH 1687	0.80	0.02	BH 1688	0.96		BH 1689	0.94		
D 0871	0.23	0.04	BH 1690	0.21	< 0.01	BH 1691	0.32		BH 1692	0.36		
D 0881	0.58	0.05	BH 1693	0.52	< 0.01	BH 1694	0.72		BH 1695	0.70		
D 0891	0.05	0.02	BH 1696	< 0.01	< 0.01	BH 1697	0.02		BH 1698	0.008		
D 0901	1.28	0.15	BH 1699	1.16	0.07	BH 1700	1.35		BH 1701	1.34	1.32	
D 0911	0.04	0.01	BH 1702	< 0.01	< 0.01	BH 1703	0.06		BH 1704	0.046		

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 526/3

0 - 8.13 PODDED BIOTITE HORNFELS

A fine grained biotite hornfels with minor amounts of pyroxene hornfels present as dispersed patches.

Minor pods of calcite and silica rich material are present in this unit.

At 4.21m - 4.38m there is a larger pod of garnet skarn with a narrow rim of pyroxene rich hornfels around it.

A similar but smaller 7cm pod occurs at 7.62m.

8.13 - 15.29 PODDED PYROXENE HORNFELS

This unit although basically a pyroxene hornfels also contains small amounts of biotite hornfels. The pods consist mainly of calcite with lesser amounts of garnet also being present in these areas. Minor scheelite is associated with the garnet.

Between 8.68 - 10.96m there is a fine grained aplite with minor mafics.

15.29 - 32.92 PYROXENE GARNET HORNFELS (podded)

Essentially a fine grained ground mass consisting of brown pink garnets and light green pyroxene. There is considerable calcite present throughout the area, but is most common above the 20m mark.

Silica occurs in large amounts at 20.73m as a vein of very clear quartz.

32.92 - 37.28 DISTURBED BIOTITE PYROXENE HORNFELS

A very disturbed fine grained biotite pyroxene hornfels with lesser amounts of garnet present throughout.

Trace scheelite is present throughout.

37.28 - 47.46 GARNET SKARN

The first 1m of this unit is pyroxene and quartz rich and contains sparce large crystals of scheelite.

The rest of this unit is a granular garnet skarn with very good grade finely disseminated scheelite throughout.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/3

47.46 - 55.87m DISTURBED BIOTITE HORNFELS

A fine brown purple biotite hornfels very fractured with large amounts of calcite infilling in the fractures.

Minor amounts of pyroxene hornfels are present as irregular patches.

A number of apparently small faults are present in this unit.

49.16m approximately 21° L.C.A.
49.71m " 41° " and 46° L.C.A.
51.66m breccia zone 7cm wide.

55.87 - 63.35 MARBLE (garnets also)

This would appear to be 'B' lens marble being grey - dark grey in colour but in this area it is very disturbed and contains garnet and pyroxene rich areas in it.

A large number of brecciated and puggy areas are present.

56.64 - 57.10m
57.92 - 58.43m
59.95 - 60.70m

below about 61m the core is less broken and less garnet rich.

Trace scheelite is present in the upper part of this unit.

63.35 - 68.70 PYROXENE GARNET SKARN

This is an irregular skarn with both ends being very pyroxene rich while the core is garnet rich.

This is the unit originally termed lower 'B' lens. Between 66.90 - 67.60m there are some biotite rich bands present in the core.

Scheelite is present in this unit in varying amounts.

68.70 - 95.37 DISTURBED BIOTITE PYROXENE HORNFELS.

This is a fine grained unit consisting of irregular brown biotite and grey pyroxene rich patches which merge one into another. Some minor calcite pods are present in this unit. These tend to be angular when small and rounded when larger.

Some pyrrhotite and pyrite is also present.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/3

95.37 - 98.89 PODDED BIOTITE PYROXENE HORNFELS

This is a continuation of the above unit with large amounts of calcite present as pods in the core.

Garnet is present as rims around some of the calcite and minor scheelite is seen in some of these areas.

98.89 - 109.11 PYROXENE GARNET SKARN

A podded pyroxene garnet calcite hornfels in which the pods consist of calcite often with actinolite needles in it.

Some pods are completely replaced with garnet.

Scheelite is present in the garnet rich areas while molybdenite is visible in the pyroxene hornfels. Good grade ore.

109.11 - 116.05m PYROXENE GARNET HORNFELS

This unit has much more pyroxene hornfels and less granite than the above unit. The unit is mixed up with some very garnet rich areas and some pyroxene hornfels units with calcite pods and only minor garnet.

The mineralization varies with the garnet content.

116.05 - 121.79 GARNET SKARN

A very garnet rich skarn with intergranule calcite and quartz. High grade scheelite present throughout.

121.79 - 123.10 MARBLE

A pure white calcite marble. This was originally a limestone.

123.10 - 123.74 BIOTITE PYROXENE HORNFELS

A finely banded unit of biotite hornfels with lesser pyroxene present in the bands.

Band is at 65° L.C.A.

123.74 - 128.66 GARNET PYROXENE SKARN

As above very well mineralized. There is a fault at 12° L.C.A. at the start of this unit. Minor banding is present throughout.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/3

128.66 - 133.50m BIOTITE PYROXENE HORNFELS

Initially this is a finely banded unit with minor narrow garnet bands present in it, but from about 129.5m it becomes much less distinct.

133.50 - 136.01 PYROXENE GARNET HORNFELS

Dominantly a pyroxene hornfels with lesser amounts of garnet visible throughout. Some minor scheelite is present here.

136.01 - 137.70 BIOTITE PYROXENE HORNFELS

As above.

137.70 - 164.73 BANDED BIOTITE PYROXENE CALCITE GARNET HORNFELS

Calcite is the dominate member in this unit with major amounts of biotite and pyroxene also being apparent. The garnet occurs both as fine crystals in the marble and as thin garnet rich bands.

Where the garnet occurs as bands there is a large scheelite content present in the core.

Bedding is at 60° L.C.A. at 139.3m
66° " at 143.0m
74° " at 145.5m
74° " at 150m
70° " at 153m
68° " at 156m
68° " at 160.6m
64° " at 164m

164.73 - 171.58 BANDED BIOTITE PYROXENE CALCITE HORNFELS

In this area the biotite and pyroxene are dominant and only a few broad calcite bands are present.

Some garnet rich bands can be seen in the marble here. Good scheelite is present in this garnet skarn.

Bedding at 178m approximately 73° L.C.A.

between 164.3 and 164.7m there is a small aplite dyke.

171.58 - 198.79 BANDED BIOTITE PYROXENE HORNFELS

A finely banded biotite pyroxene hornfels with minor amounts of calcite present here.

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GEOLOGICAL LOG

D.D.H. No. BH 520/3

171.58 - 198.79 cont'd.

There are some garnets associated with the marble bands but only thrace scheelite is present.

Bedding is at 174.0m approximately 66° L.C.A.
179.0m " 58° "
183.2m " 56° "
188.4m " 58° "
194.5m " 36° "

198.79 - 210.01m VOLCANICS

A light green well spotted volcanic. This rock is extremely heavily weathered from about 205m onwards. Calcite is present on the fractures and joints.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

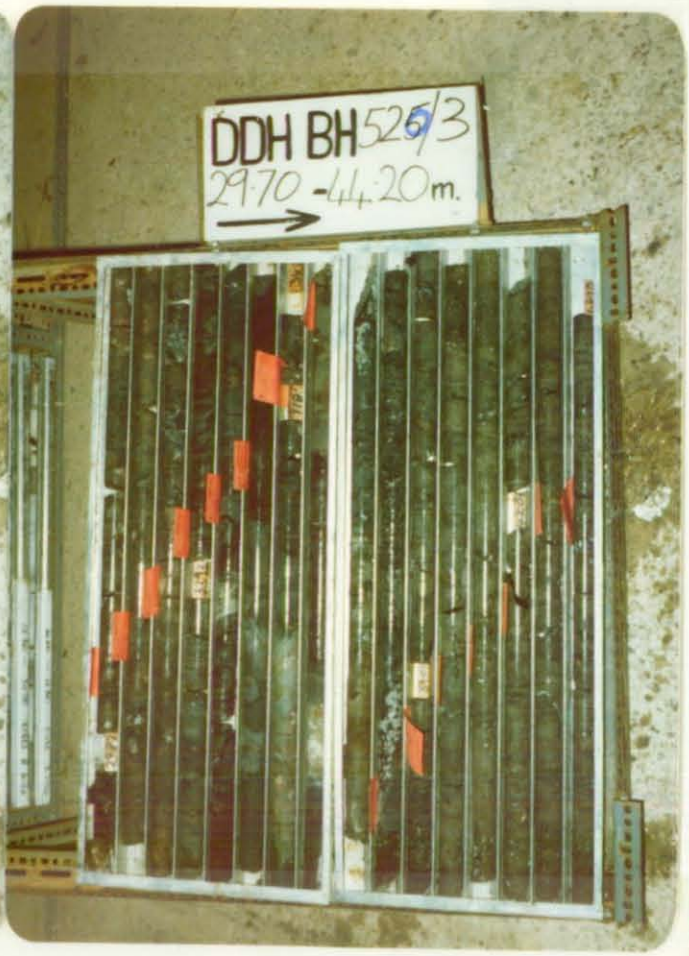
D.D.H. 520/3

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			repeat
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	and check analysis
D 0841	0.25	0.05	BH 1681	0.26	<0.01	BH 1682	0.38		BH 1683	0.38		
D 0851	0.03	0.02	BH 1684	0.02	<0.01	BH 1685	0.04		BH 1686	0.036		
D 0861	0.86	0.08	BH 1687	0.80	0.02	BH 1688	0.96		BH 1689	0.94		
D 0871	0.23	0.04	BH 1690	0.21	<0.01	BH 1691	0.32		BH 1692	0.36		
D 0881	0.58	0.05	BH 1693	0.52	<0.01	BH 1694	0.72		BH 1695	0.70		
D 0891	0.05	0.02	BH 1696	<0.01	<0.01	BH 1697	0.02		BH 1698	0.008		
D 0901	1.28	0.15	BH 1699	1.16	0.07	BH 1700	1.35		BH 1701	1.34	1.32	
D 0911	0.04	0.01	BH 1702	<0.01	<0.01	BH 1703	0.06		BH 1704	0.046		


DDH BH526/3
0.00 - 14.33 m.


DDH BH526/3
14.33 - 29.70m.


DDH BH526/3
29.70 - 44.20m.


DDH BH526/3
29.70 - 44.20m.


DDH BH 520/3
44.20 - 51.21 m.


DDH BH 520/3
m.

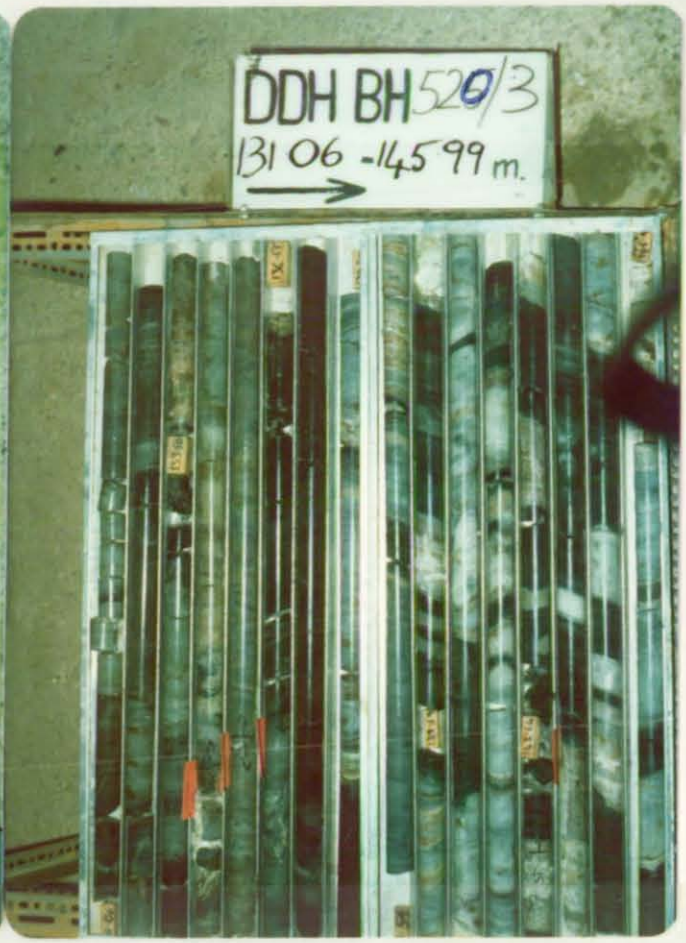

DDH BH526/3
5761 - 7227 m.


DDH BH526/3
7227 - 8686 m.


DDH BH526/3
8686 - 10104 m.


DDH BH526/3
10104 - 11612 m.


DDH BH520/3
116.12 - 131.06 m.


DDH BH520/3
131.06 - 145.99 m.

DDH. BH 520/3


DDH BH520/3
145.99 - 160.93 m.


DDH BH520/3
160.93 - 175.85 m.


DDH BH520/3
175 85 - 19050 m.


DDH BH520/3
190 50 - 20528 m.


DDH BH520/3
20528 - 210 01 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 520/2

PLANNING

Proposer: S.G. Brown. Depth: 85m.

Location: 10 525 N cuddy in M. 52.

Purpose of hole: To define upper 'B' lens Fault Blocks.

Co-ordinates: 10 374 E 10 521 N

Inclination: -55° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 20/2/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 376.25 E 10 517.58 N

R.L. of collar: 1017.65 Inclination of hole:

Picked up by : J. Cook. Date: 10/3/75

SUMMARY

Logged by : S.G. Brown.

Results: 28 - 42m, 14m @ 1.13% WO_3
51 - 54m, 3m @ 0.36% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 25/2/75 Date terminated: 27/2/75

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	0.90	63.40		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed through the Boundary Fault & into quartzite. Final depth: 63.40m.

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 63.40m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 520/2

Survey method : Multishot camera.
Final depth : 63.40m.
Casing depth : 1.52m.

Depth surveyed to : 63.40m.
Date surveyed : 27/2/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		N	E
15.24	093°30'	065°30'	34°45'	-55°15'	12.56	3.49	7.89
30.48	093°30'	065°30'	35°45'	-54°15'	25.02	7.11	15.90
45.72	095°30'	067°30'	36°45'	-53°15'	37.30	10.74	24.07
63.40	097°	069°	37°45'	-52°15'	51.37	15.00	33.89

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 520/2

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)
0 - 2.44	bph/	14		minor clay,		100	46	0 - 0.98: rubble - collaring in.
2.44 - 23.77	bph/ podded ph/bph/ ph/pg skarn.	2		minor carbonate & pyrite.		99	97	Excellent core quality.
23.77 - 42.06	bph/ gh/ banded bpgh	3		chlorite @ 32.30 carbonate @ 39.75		99	98	Excellent core quality Fault zone: 30.03 - 30.17 (quartz, chlorite & pyrite crystals as infilling).
42.06 - 55.04	banded bpgh/ impure banded ch/pg skarn.	4		minor pyrite @ 53.25, 43.86. minor carbonate.		100	90	45.34 - 45.51: Fault zone (core is broken & calcite recemented).

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 - 0.90 NQ
   0.90 - 63.40 BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.BH 520/2

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 Recovery	R.Q.D.	Remarks (weathering)
55.04 - 63.40	q	7		pyrite, minor clino-humite @ 60.70m.		99	27	Boundary Fault: 55.04 - 55.73.

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 526/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.44	2.44	2.44	100
5.49	3.05	3.03	99
6.71	1.22	1.18	97
8.53	1.82	1.84	101
11.58	3.05	3.06	100
14.02	2.44	2.41	99
14.63	0.61	0.56	92
17.68	3.05	3.02	99
20.73	3.05	3.05	100
21.36	0.63	0.57	90
23.77	2.41	2.43	101
26.82	3.05	3.00	98
29.87	3.05	3.00	98
32.92	3.05	3.00	98
35.97	3.05	3.05	100
39.01	3.04	3.05	100
42.06	3.05	3.08	101
45.10	3.04	3.00	99
48.16	3.06	3.00	98
51.21	3.05	3.05	100
54.25	3.04	3.07	101
57.30	3.05	3.04	100
60.35	3.05	2.97	97
63.40	3.05	2.97	97
63.40	3.05	3.09	101

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 525/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0647	8	9	1.0	1.0	0.14	0.05				
8	9	10	"	"	0.07	0.02				
9	10	11	"	"	0.16	0.07				
D0650	11	12	"	"	0.12	0.07				
D0801	12	13	"	"	0.04	0.01				
2	13	14	"	"	0.07	0.02				
3	14	15	"	"	0.12	0.02				
4	15	16	"	"	0.08	0.02				
5	16	17	"	"	0.05	0.02				
6	17	18	"	"	0.12	0.02				
7	18	19	"	"	1.26	0.08				
8	19	20	"	"	0.19	0.04				
9	20	21	"	"	0.10	0.02				
10	21	22	"	"	0.02	0.01				
1	22	23	"	"	0.05	0.02				
2	23	24	"	"	< 0.01	0.01				
D0813	24	25	"	"	< 0.01	0.02				
D0814	28	29	"	"	0.50	0.06				
5	29	30	"	"	1.58	0.11				28 - 42m,
6	30	31	"	"	2.50	0.15				14m @
7	31	32	"	"	1.18	0.08				1.13% WO_3
8	32	33	"	"	0.96	0.09				0.09% Mo
9	33	34	"	"	1.56	0.10				
20	34	35	"	"	0.70	0.07				
1	35	36	"	"	0.66	0.07				
2	36	37	"	"	0.71	0.06				
3	37	38	"	"	0.81	0.07				
4	38	39	"	"	1.88	0.13				
5	39	40	"	"	0.92	0.08				
6	40	41	"	"	0.62	0.07				
7	41	42	"	"	1.18	0.11				
D0828	42	43	"	"	0.18	0.03				
D0829	50	51	"	"	0.16	0.03				
30	51	52	"	"	0.25	0.04				51 - 54m,
1	52	53	"	"	0;47	0.04				3m @
2	53	54	"	"	0.36	0.05				0.36% WO
										0.05% Mo

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 520/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0833	54	55	1.0	1.0	0.12	0.02				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 520/2

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 0801	0.04	0.01	BH 1666	0.03	<0.01	BH 1667	0.06		BH 1668	0.046	
D 0811	0.05	0.02	BH 1669	0.02	<0.01	BH 1670	0.06		BH 1671	0.042	
D 0821	0.66	0.07	BH 1672	0.68	0.01	BH 1673	0.80		BH 1674	0.78	
D 0831	0.47	0.04	BH 1675	0.40	<0.01	BH 1676	0.64		BH 1677	0.61	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/2

0 - 4.85	BIOTITE PYROXENE HORNFELS A patchy disturbed biotite and pyroxene hornfels, not banded, consisting of irregular large patches of variously pyroxene and biotite rich. An aplite dyke occurs between 1.21 and 1.68m.
4.85 - 7.21m	PODDED PYROXENE HORNFELS A fine grey green pyroxene hornfels with irregular pods of calcite containing minor garnet. Some pyrrhotite pods are also visible.
7.21 - 8.53	BIOTITE PYROXENE HORNFELS As between 0 - 4.85m.
8.53m - 10.88	PYROXENE HORNFELS A light green pyroxene hornfels with large amounts of green silica rich material present between 8.76 - 9.86m where an aplite dyke has reacted with the mine series. Moderate molybdenite is present in the last 40cm.
10.88 - 24.17	PYROXENE GARNET SKARN (podded) A podded pyroxene garnet hornfels with irregular pods of calcite throughout. This whole unit is mineralized but the mineralization is erratic throughout. The last half metre of core is very pyroxene rich with some molybdenum.
24.17 - 27.99	BIOTITE PYROXENE HORNFELS A disturbed slightly podded biotite pyroxene hornfels with some irregular calcite pods present in it.
27.99 - 41.90m	GARNET SKARN A podded garnet skarn with minor amounts of pyroxene and calcite present in the pods. Large actinolite needles are developed in some of the pods growing into the calcite oregrade scheelite is present throughout this unit. At 30.03m there is a 14cm wide fault zone filled with quartz, chlorite and pyrite crystals.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 526/2

41.90 - 45.31 BANDED BIOTITE PYROXENE GARNET HORNFELS.

This is a finely banded unit of biotite and pyroxene hornfels with irregular disturbed bands of garnet pyroxene hornfels present in it.

Minor scheelite is present in the garnet rich horizons but only reaches significant amounts in the first 1m of this unit.

Some minor calcite bands are also present in this area.

Banding at 43.2m approximately 57° L.C.A.

45.34 - 45.51 FAULT ZONE

A narrow fault zone at about 50° L.C.A. infilled with calcite.

45.51 - 50.98 IMPURE BANDED MARBLE

Marble is the dominant member of this unit but minor bands of biotite and pyroxene hornfels are present over the first 2m and this unit grades into the one above.

Minor garnet is present in the pyroxene rich area and scheelite is present in significant amounts over the last 1m.

Banding at 47.0m approximately 42° L.C.A.

50.98 - 55.04 PYROXENE GARNET SKARN

A very disturbed unit of pyroxene garnet hornfels with large calcite pods present through out. Quite large amounts of sulphides are also present . Scheelite is visible throughout the unit but only minor amounts of molybdenite occur.

55.04 - 55.73 BOUNDARY FAULT

This is a zone of disturbed quartzites with some intermixed pyroxene hornfels. There is no mineralization here.

55.73 - 63.40 QUARTZITES

A sequence of grey-brown quartzites with irregular black grey patches of siltstones.

The whole unit is rich in pyrite.

63.40 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 520/2

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 0801	0.04	0.01	BH 1666	0.03	<0.01	BH 1667	0.06		BH 1668	0.046		
D 0811	0.05	0.02	BH 1669	0.02	<0.01	BH 1670	0.06		BH 1671	0.042		
D 0821	0.66	0.07	BH 1672	0.68	<0.01	BH 1673	0.80		BH 1674	0.78		
D 0831	0.47	0.04	BH 1675	0.40	<0.01	BH 1676	0.64		BH 1677	0.61		

5201/2


DDH BH525/2
0.00-14.02 m.


DDH BH525/2
14.02 - 28.83m.


DDH BH525/2
28.83 - 43.86 m.


DDH BH525/2
43.86 - 58.50m.


DDH BH525/2
58·50 -63·40 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 520/1

PLANNING

Proposer: S.G. Brown. Depth: 42m.

Location: 10525 cuddy in the M.52 drive.

Purpose of hole: To define Upper 'B' lens.

Co-ordinates: 10374 E 10521 N

Inclination: -30° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 20/2/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 376.96 E 10517.57 N

R.L. of collar: 1018.02 Inclination of hole: -28° 38' 32"

Picked up by : J. Cook. Date: 10 March 1975.

SUMMARY

Logged by : S.G. Brown.

Results: 22 - 28m, 6m @ 0.62% WO_3
0.06% Mo.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 23/2/75 Date terminated: 25/2/75

Casing: Size : NX

Depth : 1.52

Core: Size : NQ BQ

Depth : 0.50 41.15

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason: NIL

Extension: NIL

Reason for termination: Hole passed through the boundary fault and into quartzites. Final depth: 41.15m.

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 41.15m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 520/1

Survey method : Multishot camera.
Final depth : 41.15m.
Casing depth : 1.52m.

Depth surveyed to : 41.15m.
Date surveyed : 25/2/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E N	N E
12.19	090°	062°	61°	-29°	5.91	5.00	9.41
21.34	093°	065°	62°	-28°	10.24	8.41	16.72
30.48	092°30'	064°30'	62°15'	-27°45'	14.52	11.89	24.01
41.15	094°	066°	64°	-26°	19.33	15.91	32.64

REMARKS

GEOPEKC LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 520/1

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 - 8.23	bph/ podded ph/ bph	6		clay, minor chlorite @ 3.90		96	78	
8.23 - 28.00	pgh/ gh	5		clinohumite @ 23.70 (Fault) minor chlorite @ 17.90		99	85	bad ground: 17.00 - 17.37 Fault @ 26.70. (Clinohumite infilling)
28.00 - 41.15	gh/ ph/ q	6		pyrite, minor carbonate @ 30.64		100	76	Boundary fault: 28.49 - 31.04.

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 - 0.50 NQ
   0.50 - 41.15 BQ

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No.BH 520/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.13	2.13	1.92	90
3.35	1.22	1.16	95
5.18	1.83	1.71	93
7.01	1.83	1.90	104
8.23	1.22	1.20	98
11.28	3.05	3.00	98
14.33	3.05	3.00	98
17.37	3.04	3.05	100
20.42	3.05	3.10	102
21.64	1.22	1.14	93
23.47	1.83	1.96	107
26.52	3.05	3.00	98
28.80	2.28	2.38	104
29.41	0.51	0.51	100
32.54	3.13	3.18	102
35.66	3.12	3.10	99
38.71	3.05	3.05	100
41.15	2.44	2.44	100

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No.BH 520/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0796	8	9	1.0	1.0	0.05	0.02				
7	9	10	"	"	0.08	0.02				
8	10	11	"	"	0.06	0.10				
9	11	12	"	"	0.37	0.06				
D0800	12	13	"	"	0.17	0.05				
D0632	13	14	"	"	0.12	0.03				
3	14	15	"	"	0.04	0.02				
4	15	16	"	"	0.06	0.02				
5	16	17	"	"	0.50	0.09				
6	17	18	"	"	0.14	0.05				
7	18	19	"	"	0.11	0.05				
8	19	20	"	"	0.07	0.02				
9	20	21	"	"	0.03	0.02				
40	21	22	"	"	0.04	0.02				
1	22	23	"	"	0.43	0.06				22 - 28m,
2	23	24	"	"	0.23	0.04				6m @
3	24	25	"	"	0.50	0.05				0.62% WO_3
4	25	26	"	"	0.78	0.08				0.06% Mo
5	26	27	"	"	0.41	0.05				
D0646	27	28	1.0	1.0	1.36	0.10				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 520/1

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 0799	0.37	0.06	BH 1660	0.32	< 0.01	BH 1661	0.44		BH 1662	0.42		
D 0639	0.03	0.02	BH 1663	< 0.01	< 0.01	BH 1664	0.08		BH 1665	0.030		

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 520/1

0 - 4.68 BIOTITE PYROXENE HORNFELS

This is an unbanded unit with irregular patches of biotite and pyroxene rich skarn through out. Some very minor podding is present. Between 20m and 80m there is a small aplite dyke.

4.68 - 6.73m PODDED PYROXENE HORNFELS

This is a fine grained grey green pyroxene hornfels containing irregular calcite rich pods. Some garnet is present in these pods along with trace scheelite.

Quite large amounts of pyrrhotite are also present.

6.73 - 8.32 BIOTITE PYROXENE HORNFELS

This is similar to the first unit but with minor banding apparent over the last 30cm.

8.32 - 21.25m PYROXENE GARNET HORNFELS

This is a disturbed podded unit the majority of which consists of fine grained pyroxene garnet hornfels with numerous pods of calcite occurring throughout, scheelite is present throughout in varying amounts but is richest close to the thin quartz sweats which occur in some areas.

Between 9.48 and 11.0m there is a series of light green quartz rich areas which are aplite dykes which have reacted with the skarn rocks.

Below 20m the core becomes more pyroxene rich in areas.

The core is quite badly broken at 12m.

21.25 - 27.72 GARNET SKARN

A good garnet skarn with well developed garnet crystals in a typically quartz rich matrix good scheelite is present throughout.

A clinohumite filled fault is present at 26.70m, at 45° L.C.A.

27.72 - 28.49 PYROXENE HORNFELS

A fine grained pyroxene hornfels containing only minor garnet or scheelite. This is a very disturbed unit adjacent to the Boundary Fault.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 526/1

28.49 - 31.04 BOUNDARY FAULT

This zone consists of brecciated quartzites recemented with pyrite and ground-up quartzite.

31.04 - 41.15 QUARTZITES

Typical fine grey quartz rich sediments with darker patches of siltstones present in them. Pyrite is present throughout.

41.15 E.O.H.

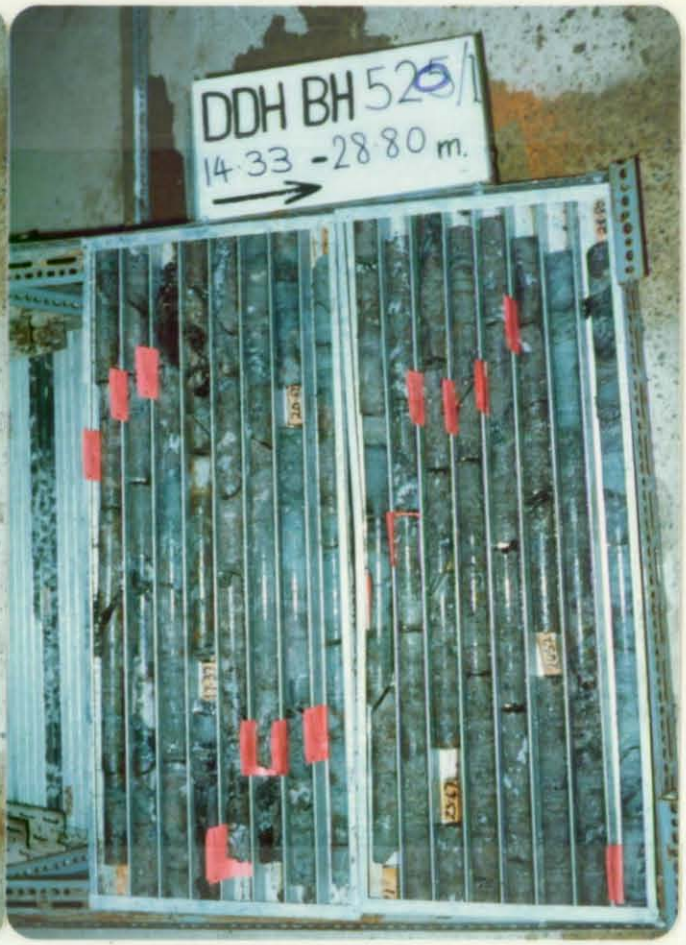
GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 520/1

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 0799	0.37	0.06	BH 1660	0.32	<0.01	BH 1661	0.44		BH 1662	0.42		
D 0639	0.03	0.02	BH 1663	<0.01	<0.01	BH 1664	0.08		BH 1665	0.030		


DDH BH 520/1
0.00 - 14.33 m.


DDH BH 520/1
14.33 - 28.80 m.


DDH BH 520/1
28.80 - 41.15 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 510/3

PLANNING

PROPOSER: R. E. S. Davies — DEPTH: 20m

LOCATION: 052 Stope

PURPOSE OF HOLE: Find C_2 Orebody

PROPOSED CO-ORDS: 40405 E 10510 N

INCLINATION: -90

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

TARGET: E N

DEPTH:

CHECKED BY: SGB — DATE:

SURVEY

SURVEY CO-ORDS: E N

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

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: E N

Hole not surveyed, due to mining.

R.L. OF COLLAR:

INCLINATION OF HOLE:

PICKED UP BY: DATE:

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: 24/8/79 DATE TERMINATED: 27/8/79

DRILLER/CONTRACTOR: KIS

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 6.77m

REASON FOR TERMINATION: Below Mineralisation

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 510/3

No core recovery logged because tray was flooded and core blocks must have floated away.

0.0 - 3.06m GARNET HORNFELS

Khaki brown in colour and with a medium grained size this is t p typical garnet hornfels. Mineralisation is good at about 1%. The rock is massive and competent.

3.06 - 6.17 MARBLE

A bright grey medium grained clean marble. It is well bedded

70^{o} dip to LCA @ 5.1m

There is no mineralisation

6.17 - 6.77 BANDED FOOTWALL BEDS

Fine grained, dark grey to green biotite hornfels are dominant Interbeds of pyroxene and calc hornfels are also present.

It is well bedded

65^{o} to LCA @ 6.4m

There is no mineralisation.

EOH 6.77m


DDH BH 510/3
0.00 — 6.88 m.
E.O.H

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No.B 510/2

PLANNING

Proposer: S.G. Brown — Depth: 12m.

Location: 052 drive A lens

Purpose of hole: To test A lens below 1046m R.L.

Co-ordinates: 10372 E 10510 N

Inclination: -70° Magnetic

Bearing: 090 Grid Target depth:

Target: E N

Approved by: M.C. Rogers Date:

SURVEY

Survey Co-ords: E N

Survey bearing: $88^{\circ}35'17"$ Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 372.227 E 10 509.883 N

R.L. of collar: 1046.76 Inclination of hole: $-69^{\circ}56'25"$

Picked up by : J. Cook Date: 10.12.75

Logged by : S.G. Brown

SUMMARY

Results: 1 - 9m 8m @ 0.67% WO_3.

DRILLING

Driller/Contractor: Geopeko

Date commenced: 2/12/75 Date terminated: 6/12/75

Casing: Size : NIL

Depth :

Core: Size : E17

Depth : 13.37

Wedge Runoff:

Wedge placed: Nil. Depth:

Proposed by : Approved by:

Reason:

Extension: Nil.

Reason for termination: Entered biotite pyroxene hornfels. Final depth: 13.37

Condition of hole on completion:

Casing : Nil

Cemented : No

Bore hole survey: Yes Acid tube at 13.37m

Water: NIL

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 510/2

Survey method : Acid tube
Final depth : 13.37
Casing depth : NIL

Depth surveyed to : 13.37
Date surveyed : 5/12/75
Surveyed by : G.S.S.
Checked by : S.G.B.

DEPTH (m)	Bearing		Inclination		True Vertical Depth (m)	Co-oridinates	
	Grid	Mag.	Read	Corrected			
13.37	-	-	-75°	-70°	12.56	10372.23	10509.88

REMARKS:

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. B 510/2

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 - 6.25	disturbed pgh.	4	-	Carbonate @ 0.45. Carbonate and chlorite @ 2.0 chlorite @ 3.12	-	96	60	Good core recovery.
6.25 - 13.37 E.O.H.	disturbed pgh/Breccia zone.	3	-	chlorite and sulphide @ 8.25 Carbonate and chlorite @ 9.45 sulphide @ 9.82	-	100	85	Excellent 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. B 510/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 0.43	0.43	0.27	63
1.71	1.28	1.22	95
3.21	1.50	1.50	100
6.25	3.04	3.01	99
8.88	2.63	2.62	100
11.75	2.87	2.96	103
13.37	1.62	1.58	98
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. B 510/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH2019	0	1	1.0	1.0	0.13	0.01		
20	1	2	1.0	1.0	0.34	0.01	⌐	
21	2	3	1.0	1.0	0.60	0.01		
22	3	4	1.0	1.0	0.38	0.01		
23	4	5	1.0	1.0	0.44	0.01		
24	5	6	1.0	1.0	1.42	0.05		
25	6	7	1.0	1.0	0.38	0.02	1 - 9m	8m @ 0.67% WO_3
26	7	8	1.0	1.0	0.64	0.04		
27	8	9	1.0	1.0	1.17	0.08	⌙	
28	9	10	1.0	1.0	0.23	0.01		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 510/2

0-9.50m — DISTURBED PYROXENE GARNET HORNFELS

A disturbed and podded pyroxene garnet skarn with minor amounts of calcite present in the matrix.

The core has a spotted appearance due to small (up to 2mm) patches of light grey - brown garnet ferrous material.

Scheelite is present throughout this unit as disseminated fine crystals. The amount of scheelite varies throughout..

9.50m - 13.37m E.O.H. — BRECCIA ZONE

This unit is a disturbed mixed up unit.

The first 36cm are biotite pyroxene hornfels with some well developed danding at about 45° LCA.

Between 9.86m and 11.45m the core is dominantly pyroxene rich and has a distinctly brecciated appearance, some garnet is present at about 10.80m.

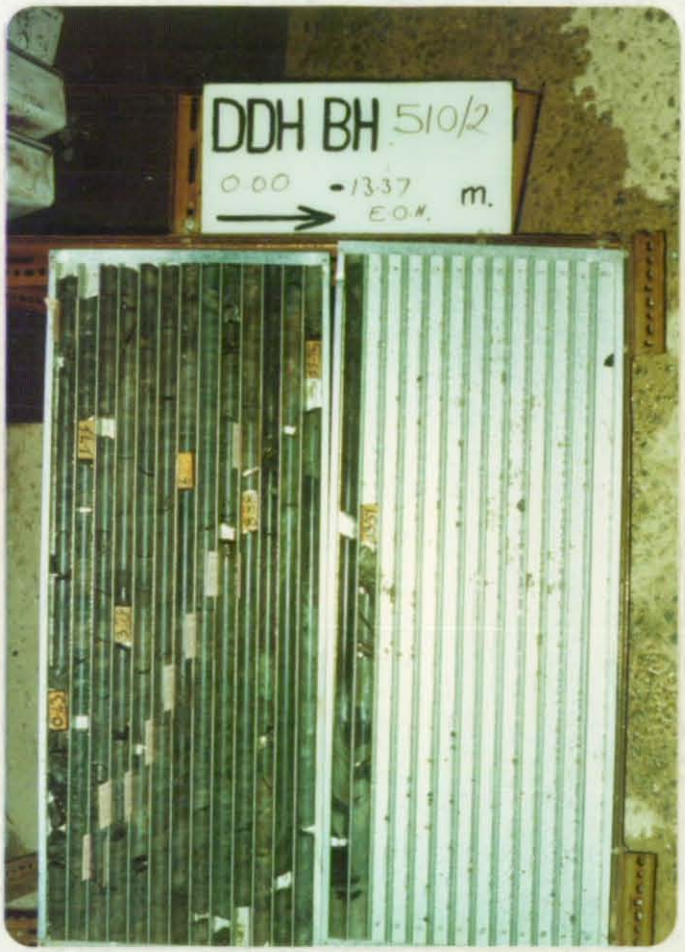
From 11.45m - 13.37m E.O.H. the core is dominantly a dark grey quartz rich in pyrite and with an apparent bedding at about 50° LCA.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B)510/2

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 2025	0.38	0.02	BH 3188	0.36		BH 3189	0.385		BH 3190	0.36		


DDH BH 510/2
0.00 - 133.7 m.
E.O.H.

E

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 510/1

PLANNING

Proposer: S.G. Brown — Depth:

Location: 052 Drive in 'A' lens.

Purpose of hole: to test 'A' lens above 1050 R.L..

Co-ordinates:	10372.5	E	10510	N
Inclination:	+90°			Magnetic:
Bearing		Grid		Target Depth:
Target:		E		N
Approved by:	M.C. Rogers			Date:

SURVEY

Survey Co-ords:		E		N
Survey bearing:	75°15'20"	Grid		Magnetic:
Surveyed in by:				Date:
Actual Co-ords:	10 372.16	E	10 510.06	N
R.L. of Collar:	1050.47			Inclination of Hole: +88°46'30"
Picked up by:	J. Cook.			Date: 22.12.75

SUMMARY

Logged by: R. Bogaart.

Results: 4 - 8m, 4m @ 1.74% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: 13/12/75 — Date terminated: 20/12/75

Casing:	Size:	Nil			
	Depth:				
Core:	Size:	E17			
	Depth:	12.51			

Wedge Runoff:

Wedge placed: — Depth:

Proposed by: — Approved by:

Reason:

Extension:

Reason for termination: Entered quartzites.

Condition of hole on completion: — Final depth: 12.51m

Casing:

Cemented:

Bore hole survey: Acid tube test

Water: No

Comments on drilling conditions: /Good

F

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 510/1

Survey method : Acid tube test
Final depth : 12.51
Casing depth : -

Depth surveyed to : 12.51
Date surveyed : 20/12/75
Surveyed by : G.S.S.
Checked by : R.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
12.51			+88°	+87°	12.49	10372.16	10510.06

REMARKS:

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 510/1

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 - 6.80	pgh	5	-	carbonate and chlorite @ 0.43, 1.19, 6.12	-	98	66	Excellent core recovery. Core is leached between 5.93 - 6.80.
6.80 - 12.51 E.O.H.	pgh/bph /q	4	-	chlorite @ 8.82 carbonate @ 10.22	74° @ 9.19	96	75	Good core recovery. Core slightly leached between 6.80 - 8.35.

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 510/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.03	1.03	0.99	96
2.15	1.12	1.16	104
3.58	1.43	1.43	100
5.87	2.29	2.24	98
6.80	0.93	0.86	92
9.01	2.21	2.02	91
10.82	1.81	1.77	98
12.13	1.31	1.30	99
12.51	0.38	0.40	103
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No.BH 510/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 2362	0	1.0	1.0	1.0	<0.01	<0.01		
3	1.0	2.0	1.0	1.0	0.13	0.01		
4	2.0	3.0	1.0	1.0	0.17	<0.01		
5	3.0	4.0	1.0	1.0	0.21	0.01		
6	4.0	5.0	1.0	1.0	2.60	0.20		
7	5.0	6.0	1.0	1.0	1.86	0.14		4m - 8m, 4m @ 1.74% WO_3
8	6.0	7.0	1.0	1.0	1.91	0.12		
9	7.0	8.0	1.0	1.0	0.57	0.03		
2370	8.0	9.0	1.0	1.0	<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 510/1

0 - 8.38 PYROXENE GARNET HORNFELS

A fine grained green - brown coloured pyroxene garnet hornfels. The first 1.63m of this unit is pyroxene rich and is devoid of any scheelite mineralisation. From 1.63 to 7.51 the unit becomes more garnet rich and has variable carbonate throughout.

Good scheelite mineralisation occurs in this interval and is expected to reach ore grade. From 7.51 to 8.38 the unit becomes biotite rich and is devoid of any scheelite mineralisation. The unit is severley leached between 5.93 to 6.85.

8.38 - 9.44 BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels with irregular banding. The unit is pyroxene rich and has variable amounts of pyrrhotite throughout the groundmass. The unit is devoid of any scheelite mineralisation.

9.44 - 12.51 E.O.H QUARTZITES

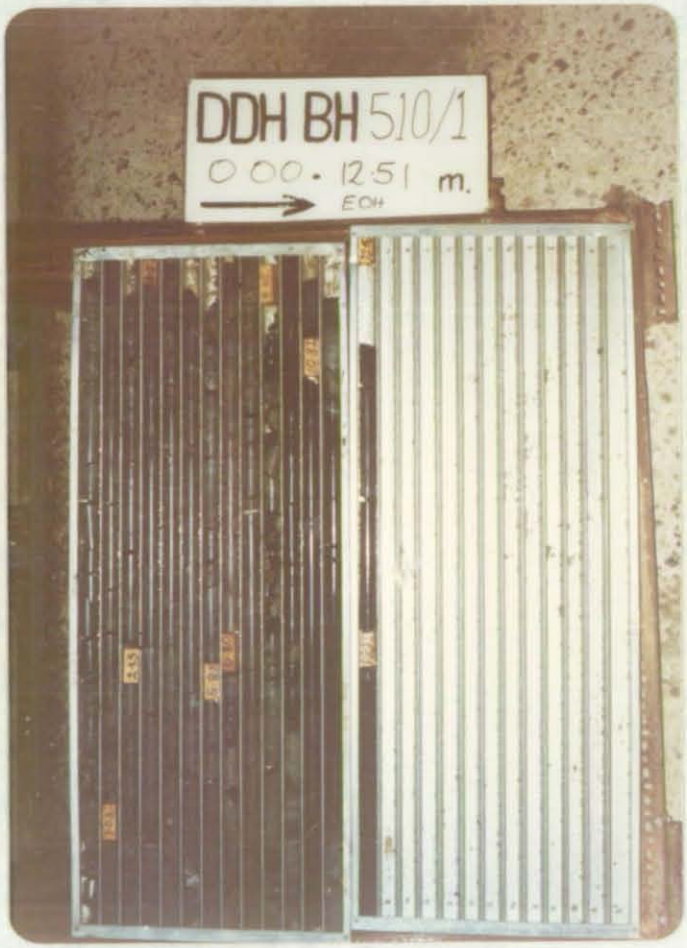
A disturbed grey - brown quartzite with minor bands of dark grey siltstones. Pyrite is present along the joint planes.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H.B 510/1

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 2365	0.21	0.01	BH 3191			BH 3192			BH 3193			


DDH BH 510/1
000 - 1251 m.
EOH

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/27

PLANNING

PROPOSER: Bill Crossley — DEPTH: 15 m

LOCATION: 049 Pump Cuddy

PURPOSE OF HOLE: Drain Hole

PROPOSED CO-ORDS: 40 400 E — 10 495 N

INCLINATION: +40°

BEARING: 013° — °GRID — °MAG

TARGET: — E — N

DEPTH:

CHECKED BY: T. Potter — DATE: 24/3/80

SURVEY

SURVEY CO-ORDS: — E — N

SURVEYED BEARING: 35° 40' — °GRID — °MAG

SURVEYED IN BY: — DATE:

ACTUAL CO-ORDS: 40 394.9 E — 10 496.2 N

R.L. OF COLLAR: 892.6

INCLINATION OF HOLE: +56° 41'

PICKED UP BY: R. Howman — DATE: 27/3/80

SUMMARY

LOGGED BY: R. E. S. Davies

RESULTS: 2.5 m of gh from 13.8 - 16.3 m
14.0 - 16.3 m, 2.3 m @ 1.06% WO_3
& 0.03% Mo. Upper C-lens gh

DRILLING

DATE COMMENCED: 27/3/80 — DATE TERMINATED: 28/3/80

DRILLER/CONTRACTOR: Joe Penna/K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: BQ
DEPTH: 16.3 m

WEDGE PLACED: — DEPTH: — PROPOSER:

EXTENSION:

FINAL DEPTH: 16.3 m

REASON FOR TERMINATION: Hit 052 Stope

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 500/27

Surveyed method: N.S.
Final depth: 16.3 m
Casing depth: Nil

Depth surveyed to: Nil
Date surveyed: 28/3/80
Surveyed by: B. Schneiders
Checked by:

Projection from Collar Survey

Up Hole

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.			
10 m	35° 40'	7° 40'	-33° 19'	+56° 41'	Assumed		
16.3	35° 40'	7° 40'	33° 19'	+56° 41'	Assumed		
EOH							

REMARKS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/27

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.5 m	2.5	2.3	92
2.5 - 5.2	2.7	2.6	96
5.2 - 7.9	2.7	2.7	100
7.9 - 10.9	3.0	3.0	100
10.9 - 13.9	3.0	3.0	100
13.9 - 15.7	1.8	1.6	88
15.7 - 16.3	0.7	0.3	42
EOH 16.2 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 500/27

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8411	12	13	1.0	1.0	0.01	0.01		
12	13	14	"	"	0.04	0.01		
13	14	15	"	"	0.96	0.03		
14	15	16	"	"	1.25	0.04		
15	16	17	"	"	0.76	0.02		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/27

0.0 - 13.8 m C LENS MARBLE

Fresh light grey marble.

Bedding is @ 20° to LCA @ 2.6 m
" 21° " 6.2 m

13.8 - 16.3 GARNET SKARN

Massive fine grained garnet hornfels probably about 1% WO_3.

EOH 16.3 m


DDH BH 500 27
0.00 14.99 m.


DDH BH 500 27
14.99 16.30 m.
EOH

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/26

PLANNING

PROPOSER: P. Bounsombath DEPTH: 31 m

LOCATION: R52 Vent Rise

PURPOSE OF HOLE: Pilot Hole for K48 Rise

PROPOSED CO-ORDS: 40 360.5E 10 508.8 N

INCLINATION: -60°

BEARING: 202° 33' 203° °GRID °MAG

TARGET: E N

DEPTH: 31 m

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: B. Lennon DATE:

ACTUAL CO-ORDS: 40 360.5 E 10 508,8 N

R.L. OF COLLAR: 907.5

INCLINATION OF HOLE: -59° 20'

PICKED UP BY: B. Lennon DATE: 12/12/80

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: DATE TERMINATED:

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: BQ
DEPTH: 29

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 29,0

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: No

WATER:

COMMENTS ON DRILLING CONDITIONS: Core Loss at 27,20 m

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/26

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.20	1.2	1.1	92
1.20 - 2.70	1.5	1.6	107
2.70 - 4.40	1.7	1.7	100
4.40 - 7.30	2.9	2.9	100
7.30 - 9.40	2.1	1.8	86
9.40 - 11.50	2.1	2.1	100
11.50 - 14.00	2.5	2.7	108
14.00 - 17.00	3.0	2.9	97
17.00 - 20.00	3.0	3.0	100
20.0 - 21.50	1.5	1.4	93
21.50 - 24.50	3.0	3.0	100
24.50 - 27.20	2.7	2.4	89
27.20 - 29.00	1.8	1.8	100
EOH 29.00 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 500/26

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
8569	19.0	20.0	1.0	1.0	0.69			
8570	20.0	21.0	1.0	1.0	1.70			
8571	21.0	22.0	1.0	1.0	0.37			
8572	22.0	23.0	1.0	1.0	0.67			
8573	23.0	24.0	1.0	1.0	1.53			
8574	24.0	25.0	1.0	1.0	0.18			
8575	25.0	26.0	1.0	1.0	0.14			
8576	26.0	27.0	1.0	1.0	0.15			
8577	27.0	28.0	1.0	1.0	0.17			
8578	28.0	29.0	1.0	1.0	0.59			

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/26

0.00 - 19.44 m BIOTITE PYROXENE HORNFELS (PODDED)

This unit consists of a dark grey/black rock which contains irregular bands and patches of light grey/green pyroxene. The unit is biotite rich but becomes progressively lighter in colour (reflecting greater amounts of pyroxene/amphibole) towards the boundary with the garnet pyroxene hornfels (podded). Large calcite ovoids rummed with grossular garnet also become more common near this boundary. Crude bedding is observable at 14.00 m

Bedding	45°	LCA	@	14.0 m
Joints	45°	LCA	@	9.4 m
"	35°	"	@	11.0 m

19.44 - 29.00 GARNET PYROXENE HORNFELS (PODDED)

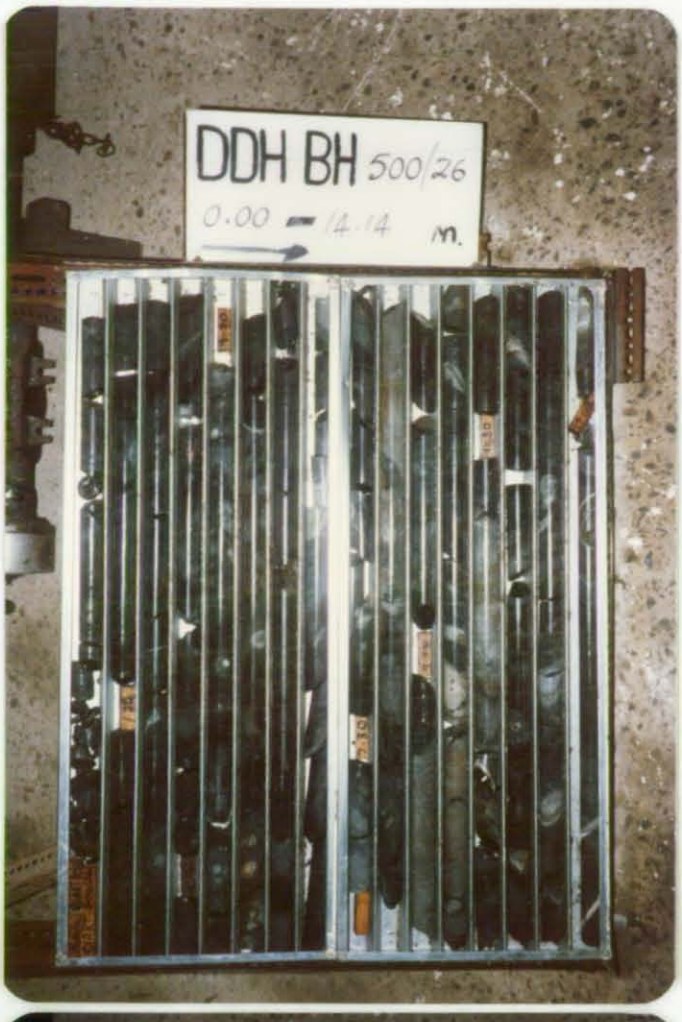
This unit consists of a massive, mineralised brown/olive green rock with dark green amphibole, pyroxene and calcite set in a matrix of garnet.

Pods of calcite often rimmed with amphibole and grossular garnet are observable.

Mineralisation occurs as medium sized (approx. 1 mm) scheelite crystals.disseminated throughout the rock.

Not faulting is obvious in the core, although some core loss at 27.20 m was noted by the driller.

EOH 29.00 m


DDH BH 500/26
0.00 — 14.14 m.


DDH BH 500/26
14.14 — 28.72 m.


DDH BH 500/26
E.O.H.
28.72 — 29.00 m.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/25

PLANNING

PROPOSER: B. Crossley DEPTH:

LOCATION: R52 Vent Drive

PURPOSE OF HOLE: Pilot Hole for J48 Vent Rise.

PROPOSED CO-ORDS: E N

INCLINATION:

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

TARGET: E N

DEPTH:

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 255^{o} 34' ^{o}GRID ^{o}MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40 358.58 E 10509.141 N

R.L. OF COLLAR: 934.12

INCLINATION OF HOLE: -58^{o} 21'

PICKED UP BY: R. Howman DATE: 15/8/80

SUMMARY

LOGGED BY:

RESULTS:

DRILLING

DATE COMMENCED: 8/80 DATE TERMINATED:

DRILLER/CONTRACTOR:

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 29.75 m

REASON FOR TERMINATION:

CONDITION OF HOLE ON COMPLETION: Bottom of hole in J48

CASING: 10505.4 N

CEMENTED: 40343.0 E

BORE HOLE SURVEY: R.L. 908.0 m

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/25

Surveyed method: Not surveyed
Final depth: 29.75 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	255° 34'			-58° 21'	0.00	10509.141	40358.585
29.75				26.12	26.12	10505.4	40343.0
	Hole terminated in J48.						

REMARKS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/25

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0,0 - 1,0	1,0	0,9	90
1.0 - 2.3	1.3	1.3	100
2.3 - 4.2	1.9	1.9	100
4.2 - 6.3	2.1	2.1	100
6.3 - 8.4	2.1	2.1	100
8.4 - 10.7	2.3	2.3	100
10.7 - 12.7	2.0	2.0	100
12.7 - 14.7	2.0	2.0	100
14.7 - 16.7	2.0	2.0	100
16.7 - 18.5	1,8	1.1	61
18.5 - 20.6	2.1	0.9	43
20.6 - 21.4	0.8	1.4	175
21.4 - 23.6	1,2	1.2	100
23.6 - 26.0	2,4	2,5	104
26.0 - 28.0	2.0	2.0	100
28.0 - 29.75	1.75	1.75	100
EOH 29.75 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 500/25

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8450	18	19	1.0	1.0	0.21	<0.01		
51	19	20	"	"	0.30	<0.01		
52	20	21	"	"	0.87	<0.01		
53	21	22	"	"	0.59	<0.01		
54	22	23	"	"	0.48	<0.01		
55	23	24	"	"	0.30	<0.01		
56	24	25	"	"	0.10	0.01		
57	25	26	"	"	0.15	0.01		
58	26	27	"	"	0.77	<0.01		
59	27	28	"	"	0.39	<0.01		
60	28	29	"	"	0.41	<0.01		
61	29	30	"	"	0.39	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/25

0.0 - 18.5 m BIOTITE PYROXENE HORNFELS

A massive competant unit that consists of a black biotite hornfels background with interbeds of pyroxene hornfels and clasts (5 cm diameter) of marble. The marble clasts occur @ 1.5 m and from 13.7 m onwards. The freguency/density of the marble and pyroxenee hornfels clasts also increases in this section.

No scheelite is present.

18.5 - 29.75 MINERALISED PYROXENE GARNET HORNFELS

The driller reported an open cavity @ 19 m, of about 70 cm (Later found to be the L52 stope).

Initially the core mostly andradite garnet skarn but is only poorly mineralised. The section from 20.3 - 21.3 m is totally barren of scheelite although appearing on typical khaki brown garnet hornfels.

From about 24 m the unit is a pale colour, containing more pyroxene hornfels and grossular garnet and displays a more typical podded texture. Scheelite is patchy and overall would probably not reach ore grade.

EOH 29.75 m


DDH BH 500/25
0.00 — 14.70 m.


DDH BH 500/25
E.O.H
14.70 — 29.75 m.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/24

PLANNING

PROPOSER: T. Potter — DEPTH: 27 m

LOCATION: P50 Sublevel

PURPOSE OF HOLE: Additional Information on pgh min to assist mine planning

PROPOSED CO-ORDS: 40 390 E 10 505 N

INCLINATION: +20°

BEARING: 180 °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown — DATE: 28/5/80

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 182° 01' °GRID °MAG

SURVEYED IN BY: B. Lennon — DATE:

ACTUAL CO-ORDS: 40390.6 E 10504.1 N

R.L. OF COLLAR: 904.15

INCLINATION OF HOLE: +20°

PICKED UP BY: B. Lennon — DATE: 11/6/80

SUMMARY

LOGGED BY:

RESULTS: 16 - 22 m 6 m @ 0.86, 0.01

DRILLING

DATE COMMENCED: 6/6/80 DATE TERMINATED: 9/6/80

DRILLER/CONTRACTOR:

CASING: SIZE: Nil
DEPTH:

CORE: SIZE: NQ
DEPTH: 25.5

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 25.5 m

REASON FOR TERMINATION: Target Reached

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: 25.5 m +20.2° Dir N 26° W Magnetic

WATER: Minor amount from fault at 25 m

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/24

Surveyed method: Single Shot
Final depth: 25.5 m
Casing depth: Nil

Depth surveyed to: 25.5 m
Date surveyed: 9/6/80
Surveyed by: R. Drake
Checked by:

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.			
13 m	181° 45'	S 26° 15' E	70° 15'	19° 45'	Assumed		
25.5	181° 45'	26° 15'	70° 15'	19° 45'			

REMARKS: Single shot survey. 13 m depth Bearing and Dip assumed on basis of 25.5 m survey shot.

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/24

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.0 m	1.0	1.0	100
1.0 - 2.2	1.2	1.2	100
2.2 - 3.6	1.4	1.4	100
3.6 - 4.0	0.4	0.4	100
4.0 - 5.5	1.5	1.5	100
5.5 - 6.5	1.0	1.0	100
6.5 - 7.3	0.8	0.8	100
7.3 - 9.3	2.0	2.0	100
9.3 - 10.7	1.4	1.4	100
10.7 - 12.9	2.2	2.2	100
12.9 - 13.6	0.7	0.7	100
13.6 - 15.1	1.5	1.5	100
15.1 - 16.5	1.4	1.4	100
16.5 - 18.0	1.5	1.5	100
18.0 - 19.5	1.5	1.5	100
19.5 - 21.0	0.5	0.5	100
21.0 - 22.5	1.5	1.5	100
22.5 - 24.0	1.5	1.5	100
24.0 - 25.5	1.5	1.5	100

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 500/24

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8442	14	15	1.0	1.0	0.08	0.01		
43	15	16	"	"	0.15	0.01		
44	16	17	"	"	0.96	0.01		
45	17	18	"	"	2.40	0.01		
46	18	19	"	"	0.09	0.01		
47	19	20	"	"	0.97	0.01		
48	20	21	"	"	0.35	0.01		
49	21	22	"	"	0.41	0.01		
62	22	23	"	"	0.14	0.01		
63	23	24	"	"	0.07	0.02		
68	24	25	"	"	0.07	0.02		

Caution must be taken with the grade assays as the values are derived from occasional large crystals of scheelite. Back-ground grade would be less than 0.1% WO_3.

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/24

0.0 - 0.2 m GARNET HORNFELS

Fine grained andradite very strongly mineralised.

0.2 - 2.0 PYROXENE GARNET HORNFELS

Contains few pods of unreplaced calcite. The pyroxene garnet hornfels is pyroxene rich and carries very weak mineralisation as coarse grained scheelite.

2.0 - 5.7 BIOTITE PYROXENE HORNFELS

Essentially a biotite hornfels with vague zones of pyroxene hornfels giving a bedding of about 30° LCA. Contains some pods of pyroxene and calcite. No. scheelite mineralisation.

5.7 - 6.1 BIOTITE HORNFELS

Well bedded at 45° LCA with occasional vague pyroxene zone

6.1 - 23.9 PYROXENE GARNET HORNFELS

Lithology: 6.1 - 15.1 m reasonably uniform pyroxene garnet hornfels showing poorly defined sparse pods many of which show actinolite crystals. Andradite in the rock is not strongly developed.

15.1 - 23.9 m Pyroxene garent hornfels with strongly pyroxene development especially towards the end where andradite is absent. Shows vague podding of calcite and actinolite.

Mineralisation: 6.1 - 16.2 m occasional coarse grained scheelite crystals - almost unmineralised.
16.2 - 18.2 scheelite crystals occurring up to 15 mm with quartz zones.
18.2 - 23.1 occasional coarse grained scheelite crystals with 2 zones of fine grained. Overall, unit is way below ore-grade 23.1 - 23.9 barren

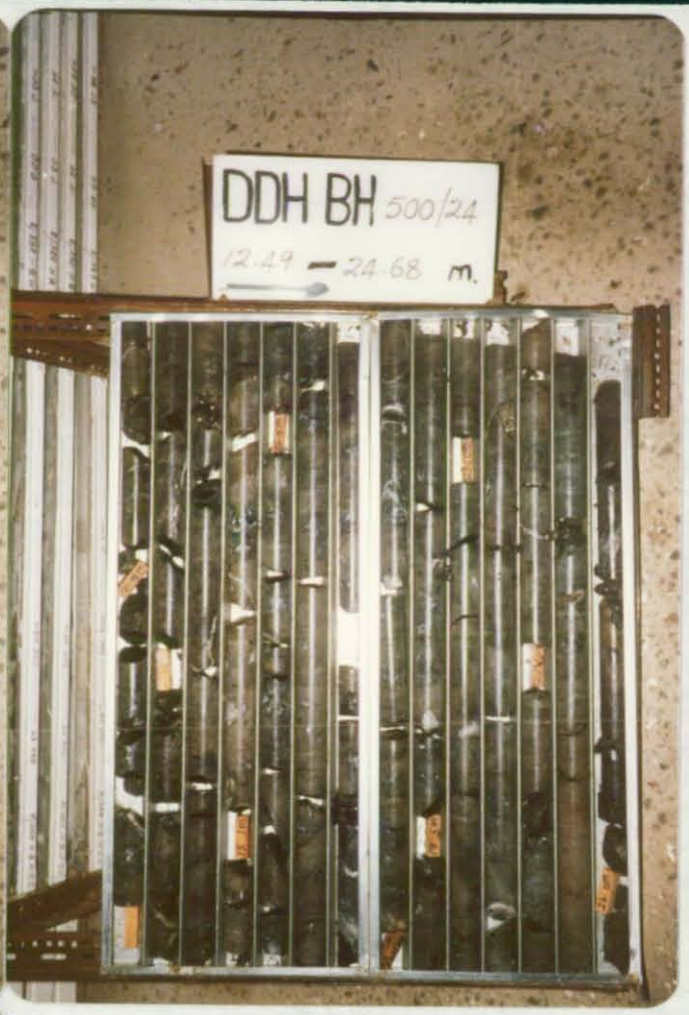
Structure: 8.3, 10.4, 10.9 calcite infilled joint at 20° LCA
12.6 calcite vein 60° LCA. 14.6 calcite infilled joint with cubic pyrite 20° LCA
19.0 calcite infilled joint sub-parallel.

23.9 - 25.5 BIOTITE HORNFELS

Biotite hornfels with minor zones of pyroxene hornfels. Well bedded at 40° LCA 24.4 calcite - clinohumite vein 10° LCA. Driller reported minor inflow of water.

EOH


DDH BH 500/24
0.00 — 12.49 m.


DDH BH 500/24
12.49 — 24.68 m.


DDH BH 500/24
E.O.H
24.68 — 25.50 m.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/23

PLANNING

PROPOSER: T. F. Potter DEPTH: 15 m

LOCATION: T50 Drive

PURPOSE OF HOLE: Additional Information on pgh to Assist Mine Planning

PROPOSED CO-ORDS: 40 402 E 10 500 N

INCLINATION: +30°

BEARING: 185° °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown DATE: 2/6/80

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 187° 15' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40 403.1 E 10 498.1 N

R.L. OF COLLAR: 903.8

INCLINATION OF HOLE: +30°

PICKED UP BY: S. Smith DATE: 20/6/80

SUMMARY

LOGGED BY: T. F. Potter

RESULTS: 1 m to 15 m 14.00 m @ 0.80%, 0.01% CI

True Thickness 11.0 m

DRILLING

DATE COMMENCED: 12/6/80 DATE TERMINATED: 13/6/80

DRILLER/CONTRACTOR: ADD

CASING: SIZE: Nil
DEPTH:

CORE: SIZE: NQ
DEPTH: 19.0

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 19.0 m

REASON FOR TERMINATION: Target Reached

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Nil

WATER: Nil

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/23

Surveyed method: Not Surveyed
Final depth: 19.0 m
Casing depth: Nil

Depth surveyed to: Not Surveyed
Date surveyed: 13/6/80
Surveyed by: Not Surveyed
Checked by:

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.			
10	187° 15'	S 20° 45'	W 30°	60°			
19	187° 15'	S 20° 45'	W 30°	60°			

REMARKS: Hole not Surveyed. Bearings and Dip assumed on basis of Collar Readings.

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/23

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 4.0 m	4.0	4.0	100
4.0 - 7.0	3.0	3.0	100
7.0 - 9.5	2.5	2.5	100
9.5 - 10.5	1.0	1.0	100
10.5 - 11.7	~~11.5~~ 1.2	~~11.5~~ 1.2	100
11.7 - 13.2	1.5	1.5	100
13.2 - 15.0	1.8	1.8	100
15.0 - 16.1	1.1	1.1	100
16.1 - 17.5	1.4	1.4	100
17.5 - 19.0	1.5	1.5	100
EOH 19.0 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 550/23

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8426	0	1	1.0	1.0	0.13	0.01		
27	1	2	"	"	0.32	0.01		
28	2	3	"	"	0.34	0.01		
29	3	4	"	"	0.17	0.01		
30	4	5	"	"	0.63	0.01		
31	5	6	"	"	0.42	0.01		
32	6	7	"	"	0.90	0.01		
33	7	8	"	"	1.05	0.01		
34	8	9	"	"	0.27	0.01		
35	9	10	"	"	0.13	0.01		
36	10	11	"	"	0.71	0.01		
37	11	12	"	"	5.50	0.01		
38	12	13	"	"	0.55	0.01		
39	13	14	"	"	0.85	0.01		
40	14	15	"	"	0.85	0.01		
41	15	16	"	"	0.06	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/23

0.00 - 14.9 m PYROXENE GARNET HORNFELS

Lithology:	0.0 - 2.0 m	Pyroxene garnet hornfels with distinct calcite pods showing very narrow garnet rims pyroxene giving unit an overall green colour.
	2.0 - 13.3 m	Pyroxene garnet hornfels with andradite and grossularite more common than above. Pods show stronger replacement by andradite. Some pods show actinolite crystals.
	13.3 - 14.9 m	Pyroxene garnet hornfels grades from an grossularite-andradite rich to a pyroxene rich rock. Contains few pods.
Structure:	3.4 & 3.6 m	Calcite infilled joint at 30° LCA
	6.55 & 8.8 m	Calcite infilled joint at 40° LCA
	9.1 m	Calcite infilled joint at 70° LCA
	12.8 - 13.2 m	Joint at 10° LCA
Mineralisation:		
	0.0 - 1.5 m	Barren except for occasional coarse grained scheelite crystal.
	1.5 -- 5.55 m	Weak mineralised pyroxene garnet hornfels with coarse grained scheelite more common. Sub-ore grade.
	5.55 - 8.1 m	Strong mineralised pyroxene garnet hornfels with fine grained and coarse grained scheelite.
	8.1 - 12.93 m	Weak mineralised pyroxene garnet hornfels withsparse coarse grained scheelite and occasional narrow zone of the fine grained mineral. At 11.6 m a 20 mm wide vein of solid scheelite occurs at 35° LCA. Excepting the vein, pyroxene garnet hornfels is sub-grade.
	12.93 - 13.3 m	Strong mineralisation with fine grained and coarse grained scheelite.
	13.3 - 14.9 m	Very weak mineralisation with only occasional large crystals.

14.9 - 19.0 BIOTITE PYROXENE HORNFELS

Typical biotite pyroxene hornfels shows numerous unreplaced calcite pods and zones of pyroxene in biotite hornfels.
16.0 - 16.1 m Clean calcite not a crystal of scheelite to be seen.

EOH 19.0 m


DDH BH 500/23
0.00 — 12.64 m.


DDH BH 500/23
12.64 — 12.00 E.O.H m.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 500/22

PLANNING

PROPOSER: T. F. Potter DEPTH: 15 m

LOCATION: T50 Drive

PURPOSE OF HOLE: Additional Information on pgh to assist Mine Planning

PROPOSED CO-ORDS: 40 410 E 10 495.5 N

INCLINATION: +35°

BEARING: 180° °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown DATE: 28/5/80

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 181° 10' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40 410.22 E 10 495.24 N

R.L. OF COLLAR: 903.42

INCLINATION OF HOLE: 34.984°

PICKED UP BY: DATE:

SUMMARY

LOGGED BY: T. P. Potter

RESULTS: 0 - 13 m, 13 m @ 0.94%

DRILLING

DATE COMMENCED: 10/6/80 DATE TERMINATED: 12/6/80

DRILLER/CONTRACTOR: ADD

CASING: SIZE:
DEPTH:

CORE: SIZE: NQ
DEPTH: 19.0

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 19.0 m

REASON FOR TERMINATION: Target reached

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Nil

WATER: Nil

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/22

Surveyed method: Not Surveyed
Final depth: 19 m
Casing depth: Nil

Depth surveyed to: Nil
Date surveyed: 12/6/80
Surveyed by: Not Surveyed
Checked by:

Projection from Collar Survey

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.			
10	181°	S27°E	35°	55°	Assumed		
19	181°	S27°E	35°	55°	Assumed		

REMARKS: Hole not Surveyed. Bearing and Dip are assumed on the basis of collar reading.

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 500/22

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.0 m	2.0	2.0	100
2.0 - 3.6	1.6	1.6	100
3.6 - 5.0	1.4	1.4	100
5.0 - 7.0	2.0	2.0	100
7.0 - 8.5	1.5	1.5	100
8.5 - 10.0	1.5	1.5	100
10.0 - 10.9	0.9	0.9	100
10.9 - 12.4	1.5	1.5	100
12.4 - 13.1	0.7	0.7	100
13.1 - 14.0	0.9	0.9	100
14.0 - 15.0	1.0	1.0	100
15.0 - 17.5	2.5	2.5	100
17.5 - 19.0	1.5	1.5	100
EOH 19.0 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 500/22

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 8464	0	1	1.0	1.0	0.28	0.01		
65	1	2	"	"	0.34	0.02		
66	2	3	"	"	0.15	0.01		
67	3	4	"	"	0.19	0.01		
16	4	5	"	"	0.30	0.01		
17	5	6	"	"	0.55	0.01		
18	6	7	"	"	0.67	0.01		
19	7	8	"	"	4.20	0.01		
20	8	9	"	"	0.43	0.01		
21	9	10	"	"	0.13	0.01		
22	10	11	"	"	0.28	0.01		
23	11	12	"	"	0.94	0.01		
24	12	13	"	"	8.40	0.01		
25	13	14	"	"	0.27	0.01		
[illegible]	14	15	"	"	0.01	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 500/22

0.0 - 13.1 m **PYROXENE GARNET HORNFELS**

Lithogy: Pyroxene garnet hornfels with calcite pods smaller and less defined than normal.
0 - 5 m has a general green colour with andradite occurring mainly around the calcite blobs.
5 - 13.1 m andradite present in a uniform amount. i.e. it does not become stronger towards 13 m.

Structure: 10.1 2 cm calcite vein 40° LCA
10.7 1 cm calcite vein 20° LCA

Mineralisation: 0 - 5.5 m very weakly mineralisation as sparse coarse grain scheelite crystals.
5.5 - 7.5 moderate mineral with coarse grain and fine grain crystals.
7.5 - 11.0 weakly mineralisation with sparse coarse grain crystals and zones of fine grain crystals.
11.0 - 12.5 very strong mineralisation with fine grain and coarse grain aggregates.
12.5 - 13.1 very weakly mineralised.

13.1 - 13.65 **PYROXENE HORNFELS**

Showing very vague pods and very weak bedding at 60° LCA

13.65 - 14.00 **UNIFORM BIOTITE HORNFELS**

14.00 - 18.50 **BIOTITE PYROXENE HORNFELS**

14.00 - 14.90 Pyroxene and biotite zones with no calcite pods
14.90 - 18.50 Showing strong development of calcite pods some of which have grossularite centres. All pods have a pyroxene rim.
Unmineralised.
14.7 Calcite infilled joint at 30° LCA.

EOH


DDH BH 500/22
0.00 — 12.40 m.


DDH BH 500/22
E O.H
12.40 — 19.00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 500/21

PLANNING

Proposer: J.M.Clark **Depth:** 90

Location: B lens Main

Purpose of hole: Test C_1, C_2 lens

Co-ordinates: 40315 E 10500 N

Inclination: -71° **Magnetic:**

Bearing: 090° Grid **Target depth:**

Target: E N

Approved by: MCR **Date:** 1-2-78

SURVEY

Survey Co-ords: E N

Survey bearing Grid **Magnetic:**

Surveyed in by: **Date:**

Actual Co-ords: 40314.2 E 10500.8 N

R.L. of collar: 962.6 **Inclination of hole:** -72° 50'

Picked up by: B Lennon **Date:** 7-3-78

SUMMARY

Logged by: J. M. Clark

Results: 0 - 2 m, 2 m at 0.76% WO_3, 0.04% Mo

51 - 57 m, 6 m at 1.61% WO_3, 0.07% Mo

59 - 61 m, 2 m at 1.20% WO_3, 0.07% Mo

DRILLING

Driller/Contractor: A.D.D.

Date Commenced: 1-3-78 **Date Terminated:** 10-3-78

Casing: **Size :** BQ

Depth : 1.0 m

Core: **Size :** 46TT

Depth : 90.80 m

Wedge Runoff:

Wedge Placed: **Depth:**

Proposed by: **Approved by:**

Reason:

Extension:

Final depth: 90.80m

Reason for termination: In unmineralized banded footwall beds.

Condition of hole on completion:

Casing:

Cemented:

Bore hole survey: Single shot Camera

Water:

Comments on drilling conditions: Small broken zones in bfb otherwise good.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 500/21

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.1	3.1	2.70	87
5.0	1.9	1.90	100
7.8	2.8	2.75	98
10.8	3.0	2.98	99
13.8	3.0	2.98	99
16.8	3.0	2.98	99
18.9	2.1	2.08	99
21.8	2.9	2.88	99
24.8	3.0	2.98	99
27.8	3.0	2.98	99
30.8	3.0	2.98	99
32.8	2.0	1.98	99
34.4	1.6	1.50	94
36.8	2.4	2.35	93
39.8	3.0	2.98	99
42.8	3.0	2.98	99
45.8	3.0	2.98	99
48.8	3.0	2.98	99
51.8	3.0	2.98	99
54.8	3.0	2.98	99
57.8	3.0	2.98	99
60.8	3.0	2.98	99
63.8	3.0	2.93	98
66.3	2.5	2.42	97
68.4	2.1	1.60	76
70.5	2.1	2.10	100
74.8	4.3	4.20	98
77.8	3.0	2.92	98
80.8	3.0	2.98	99
83.8	3.0	2.97	99
87.8	3.0	2.94	98
90.8	3.0	2.90	97

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/21

Survey method: Multishot Camera
Final depth: 90.8 m
Casing depth: 1.0 m

Depth surveyed to: 90.8 m
Date surveyed: 10-3-78
Surveyed by: L. Denby
Checked by: J. Clark

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		E	S
15.0	092	64	18°15'	71.75			
24.5					23.27	7.67	0.27
34.0	092	64	16°45'	73.25			
40.0					38.11	12.13	0.43
46.0	092	64	16°15'	73.75			
90.8	092	64	16°15'	73.75	86.88	26.34	0.93

REMARKS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 500/21

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
B 6115	0	1	1.0	0.6	0.78	0.04		
6116	1	2	"	1.0	0.74	0.05		
6117	2	3	"	"	0.19	0.01		
6118	3	4	"	"	<0.01	<0.01		
6119	8	9	"	"	<0.01	<0.01		
6120	9	10	"	"	0.01	<0.01		
6121	10	11	"	"	0.03	0.01		
6122	11	12	"	"	0.08	0.01		
6123	12	13	"	"	<0.01	<0.01		
6124	49	50	"	"	0.01	<0.01		
6125	50	51	"	"	<0.01	<0.01		
6126	51	52	"	"	1.20	0.04		
6127	52	53	"	"	2.13	0.08		
6128	53	54	"	"	4.00	0.19		
6129	54	55	"	"	1.00	0.07		
6130	55	56	"	"	0.67	0.03		
6131	56	57	"	"	0.65	0.04		
6132	57	58	"	"	<0.01	<0.01		
6133	58	59	"	"	0.23	0.02		
6134	59	60	"	"	0.84	0.07		
6135	60	61	"	"	1.56	0.08		
6136	61	62	"	"	0.23	0.01		
6137	62	63	"	"	0.04	0.01		
6138	63	64	"	"	<0.01	<0.01		
6139	64	65	"	"	0.03	<0.01		
6140	65	66	"	"	0.09	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/21

0.0 - 3.0 m — GARNET HORNFELS

Fine grained andradite, calcite and minor pyroxene together form garnet hornfels. Fine grained scheelite is thickly disseminated throughout.

Fractures / m = 10

3.00 - 18.80 m — MARBLE

Grey fine grained marble has many calcite and calcite/ pyroxene veins throughout. The unit is also colour banded white to dark grey at approximately 60° to core axis. Minor fine grained scheelite is present in pyroxene rich sections of core, the longer lengths being found at 9.6 - 9.9 m, 10.2 - 10.35 m, 11.7 - 11.9 m.

Fractures / m = 4

18.80 - 50.80 m — BIOTITE - PYROXENE HORNFELS

Purplish brown biotite hornfels is banded with light green pyroxene hornfels which sometimes contains grossular

34.2 - 34.3 m	Broken Core.
41.2 - 42.0 m	Some fractures in this interval are coated with brown and red iron oxides.
42.95 - 43.0 m	Broken core.
49.4 - 50.8 m	Podded biotite - pyroxene hornfels.

Fractures / m = 4.

50.80 - 56.70 m — GARNET HORNFELS

Usually fine grained andradite, pyroxene and calcite form garnet hornfels. The beginning of the unit (50.8 - 51.3 m) has an indistinct pyroxene - garnet hornfels texture, but elsewhere in the unit this texture is completely obliterated.

Fine grained scheelite is abundantly present from 51.4 - 56.7m

55.3 m. ? Western Fault - 1cm wide calcite filled fault zone.

Fractures / m = 5.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/21

56.70 - 63.20 m MINERALIZED BANDED FOOTWALL BEDS

Short lengths of barren marble, biotite hornfels and pyroxene hornfels are interbedded with mineralized garnet hornfels. The longest length of mineralization is between 59.6 - 61.2 m.

62.0 m — Small soft calcite vein has resulted in minor broken core.

Fractures / m = 3.

63.20 - 90.80 m BANDED FOOTWALL BEDS

Interbedded marble, biotite hornfels and pyroxene hornfels with abundant grossular in the upper part of the unit.

66.4 - 70.0 m — Short sections of marble are very weathered and clay rich and there are short zones of broken core. Minor scheelite is present in pyroxene and almandine rich bands.

Bedding is 65° to core axis.

Fractures / m = 8

EOH 90.80 m.

GEOLOGY - KING ISLAND SCHEELITE

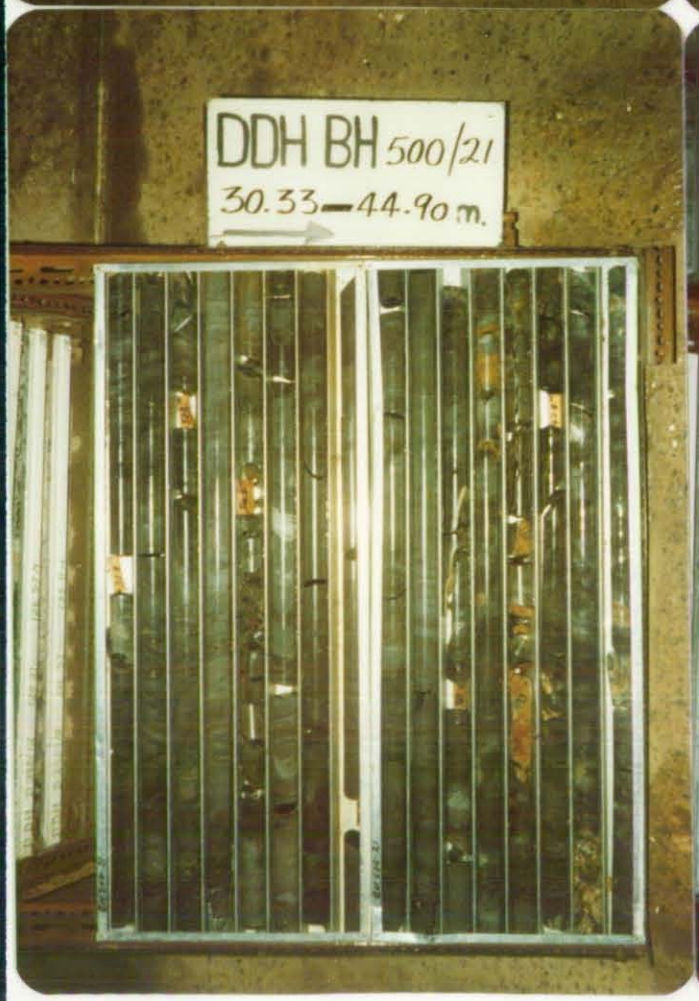
CHECK ASSAY DATA

D.D.H. No. BH 500/21

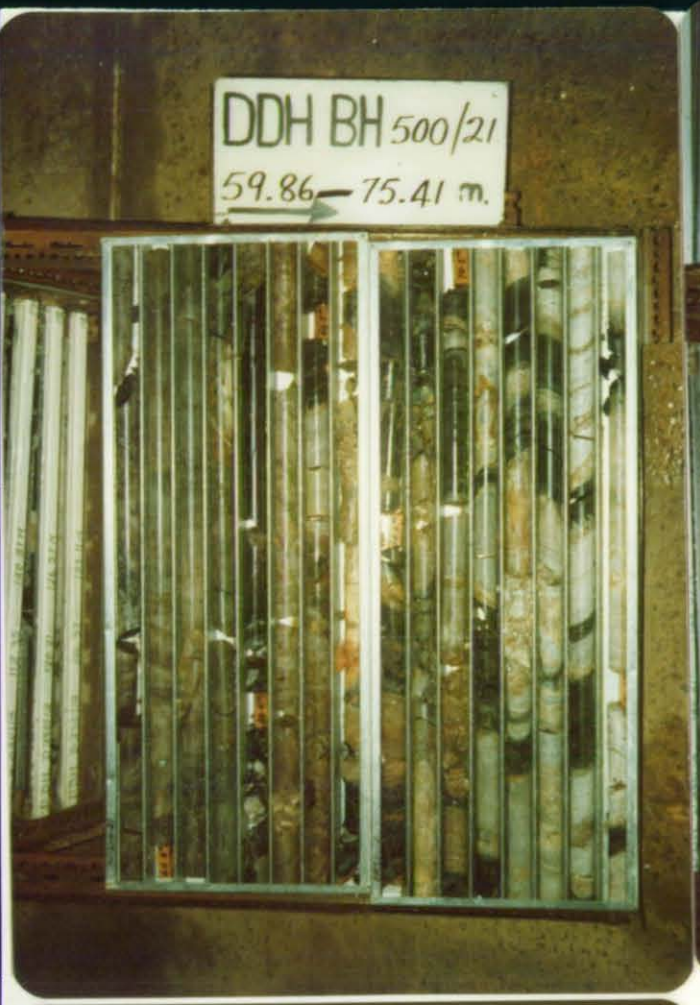
LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
6115	0.78	0.04	8054	0.80	<0.01	8055	0.960		8056	0.70		
6136	0.23	0.01	8057	0.27	<0.01	80580	0.300		8059	0.32		


DDH BH 500/21
00.00 — 15.39 m.


DDH BH 500/21
15.39 — 30.33 m.


DDH BH 500/21
30.33 — 44.90 m.


DDH BH 500/21
44.90 — 59.86 m.


DDH BH 500/21
59.86 — 75.41 m.


DDH BH 500/21
75.41 — 83.20 m.


DDH BH 500/21
83.20 — 90.80 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. B 500/20

PLANNING

Proposer: J. Clark **Depth:** 60 m

Location: 048 Drive

Purpose of hole: Test C_1, C_2 lens

Co-ordinates: 40403 **E** 10500 **N**

Inclination: -76° **Magnetic:**

Bearing: 270° **Grid** **Target depth:**

Target: **E** **N**

Approved by: M.C.R. **Date:** 1-2-78

SURVEY

Survey Co-ords: 40402.68 **E** 10500.62 **N**

Survey bearing **Grid** **Magnetic:**

Surveyed in by: **Date:**

Actual Co-ords: 40402.68 **E** 10500.62 **N**

R.L. of collar: 936.8 **Inclination of hole:** -76°

Picked up by: B. Lennon **Date:** 4-3-78

SUMMARY

Logged by: J. M. Clark

Results: 22-28 m, 6 m @ 1.12% WO_3 (C_1)
33-36 m, 3 m @ 0.98% WO_3 (C_2)

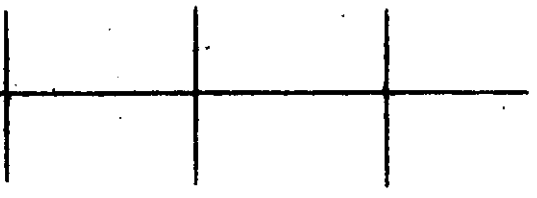
DRILLING

Driller/Contractor: A.D.D.

Date Commenced: 21-2-78 **Date Terminated:** 1-3-78

Casing: **Size :** BQ
Depth : 1.0m

Core: **Size :** 46TT
Depth : 72.8



Wedge Runoff:

Wedge Placed: **Depth:**

Proposed by: **Approved by:**

Reason:

Extension:
Final depth: 72.8 m
Reason for termination: Passed mineralized zone

Condition of hole on completion:
Casing:
Cemented:
Bore hole survey:
Water:

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 500/20

Survey method: Multishot Camera
Final depth: 72.8 m
Casing depth: 1.0 m

Depth surveyed to: 72.8 m
Date surveyed to: 1-3-78
Surveyed by: Lance Denby
Checked by: J. Clark

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		N	W
6	279	251	15.0	-75.0			
7.5					7.24	0.30	1.92
9	279	251	15.0	-75.0			
16.5					15.93	0.66	4.22
24	279	251	15.0	-75.0			
32					30.90	1.29	8.18
38	279	251	15.0	-75.0			
44					42.49	1.78	11.25
50	280.5	252.5	15.0	-75.0			
56					54.08	2.35	14.30
62	282	254	15.0	-75.0			
67.4					65.09	2.96	17.19
72.8	281.75	253.75	15.0	-75.0	70.31	3.24	18.56

REMARKS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. B 500/20

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
B 6091	19	20	1.0	1.0	<0.01	<0.01		
92	20	21	"	"	0.18	<0.01		
93	21	22	"	"	0.25	<0.01		
94	22	23	"	"	0.51	0.01		
95	23	24	"	"	0.36	0.01		
96	24	25	"	"	0.61	0.02		
97	25	26	"	"	3.8	0.13		
98	26	27	"	"	0.08	<0.01		
99	27	28	"	"	1.33	0.02		
100	28	29	"	"	0.06	<0.01		
101	29	30	"	"	0.07	<0.01		
102	30	31	"	"	0.08	<0.01		
103	31	32	"	"	<0.01	<0.01		
104	32	33	"	"	0.14	<0.01		
105	33	34	"	"	1.21	0.06		
106	34	35	"	"	1.42	0.07		
107	35	36	"	"	0.30	0.01		
108	36	37	"	"	<0.01	<0.01		
B 6109	45	46	"	"	<0.01	<0.01		
110	46	47	"	"	<0.01	<0.01		
111	47	48	"	"	<0.01	<0.01		
112	48	49	"	"	0.12	<0.01		
113	49	50	"	"	<0.01	<0.01		
114	50	51	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 500/20

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.2	3.2	3.1	97
- 5.8	2.6	2.45	94
- 8.1	2.3	2.3	100
- 10.8	2.7	2.6	96
- 13.8	3.0	2.95	98
- 61.8	3.0	2.95	98
- 19.8	3.0	2.95	98
- 22.8	3.0	2.95	98
- 25.8	3.0	2.99	99
- 28.8	3.0	2.96	99
- 31.8	3.0	2.99	99
- 34.8	3.0	2.98	99
- 37.8	3.0	2.98	99
- 40.8	3.0	2.98	99
- 42.8	2.0	1.98	99
- 45.8	3.0	2.98	99
- 48.8	3.0	2.94	98
- 51.8	3.0	2.95	98
- 54.8	3.0	1.98	99
- 57.8	3.0	2.98	99
- 57.8	3.0	2.98	99
- 60.8	3.0	2.98	99
- 63.8	3.0	2.98	99
- 66.8	3.0	2.94	98
- 69.8	3.0	2.98	99
- 72.8	3.0	2.98	99

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/20

0.0 - 7.90 m — Biotite/Pyroxene Hornfels

Interbedded dark green pyroxene hornfels and brown, grey and purplish brown biotite hornfels. Minor spotting is present from 1.0 - 4.5 m.

Fractures / m = 5.

7.90 - 8.20 m — Broken Core

Broken biotite hornfels probably representing the No. 2 Fault.

8.20 - 61.60 — Biotite-Pyroxene Hornfels

Dark green pyroxene hornfels and purplish brown biotite hornfels are interbanded with irregular boundaries. Small light grey siliceous fragments are irregularly distributed throughout. 14.8 m lensoid vugs lined with calcite, grossular and actinolite.

Fractures / m = 4.

61.60 - 19.95 m — Podded Biotite - Pyroxene Hornfels

Fragments of marble often rimmed by grossular, and fragments of quartz are present in a matrix of pyroxene and biotite.

18.4 m large calcite vein. I 62 FAULT ?

Fractures / m = 3.

19.95 - 31.20 m — Pyroxene - Garnet Hornfels

Fragments of calcite usually with grossular in a matrix of pyroxene grossular and calcite. Coarse grained crystals of pyroxene are occasionally present.

Thickly disseminated fine grained scheelite is present from 22.3 - 26.2 m. Elsewhere only sparsely and irregularly disseminated fine to coarse grained scheelite is present.

Fractures / m = 3.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/20

31.20 - 32.40m — Biotite - Pyroxene Hornfels

Banded brownish grey biotite hornfels and dark green biotite hornfels with occasional calcite fragments.

Fractures / m = 6.

32.40 - 35.50 m — Pyroxene - Garnet Hornfels

Pyroxene garnet hornfels as above which grades into garnet hornfels through the unit.

Thickly disseminated fine grained scheelite is present from 33.8 - 35.4 m. Elsewhere scheelite is present as fine to coarse grained scheelite crystals.

Fractures / m = 4.

35.50 - 45.50 m — Marble

Light grey fine to medium grained marble, which in places has indistinct banding at approximately 70° to core axis.

Fractures / m = 5.

45.50 - 72.80 m — Banded Footwall Beds

Interbedded marble (with grossular) biotite hornfels and pyroxene hornfels 48.8 - 49.7 m. Garnet hornfels containing minor thickly disseminately scheelite and otherwise sparsely disseminated scheelite.

64.4 m Thick calcite vein.
66.6 m Marble beds have become clay rich and crumbly
72.5 - 72.8 Broken Marble with sugary texture.

Bedding is 50° - 60° to core axis throughout.

Fractures / m = 6.

EOH 72.80 m.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

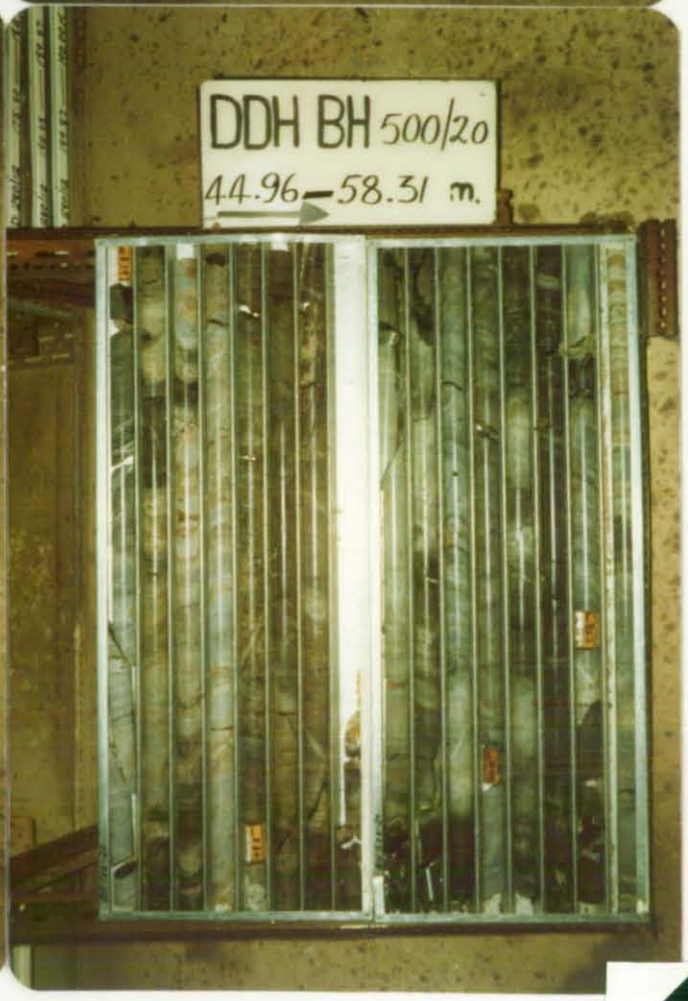
D.D.H. No. BH 500/20

LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
6093	0.25	<0.01	8048	0.44	<0.01	8049	0.310		8050	0.30		
6105	1.21	0.06	8051	0.97	<0.01	8052	1.14		8053	1.14		


DDH BH 500/20
00.00 — 14.84 m.


DDH BH 500/20
14.84 — 30.03 m.


DDH BH 500/20
30.03 — 44.96 m.


DDH BH 500/20
44.96 — 58.31 m.


DDH BH 500/20
58.31 — 72.80 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 500/19

PLANNING

Proposer: J. M. Clark **Depth:** 70 m

Location: 048 Drive

Purpose of hole: To test C_1, C_2 lens

Co-ordinates: 40403 **E** 10500 **N**

Inclination: -65° **Magnetic:**

Bearing: 090 **Grid** **Target depth:**

Target: **E** **N**

Approved by: M.C.R. **Date:** 1.2.78

SURVEY

Survey Co-ords: **E** **N**

Survey bearing **Grid** **Magnetic:**

Surveyed in by: **Date:**

Actual Co-ords: 40403.3 **E** 10501.0 **N**

R.L. of collar: 936.8 **Inclination of hole:** -66°

Picked up by: B.Lennon **Date:** 23-2-78

SUMMARY

Logged by: J. M. Clark

Results: 21 - 28 m, 7 m @ 0.85% WO_3 0.03% Mo
33 - 37 m, 4 m @ 0.98% WO_3 0.04% Mo

DRILLING

Driller/Contractor: A.D.D.

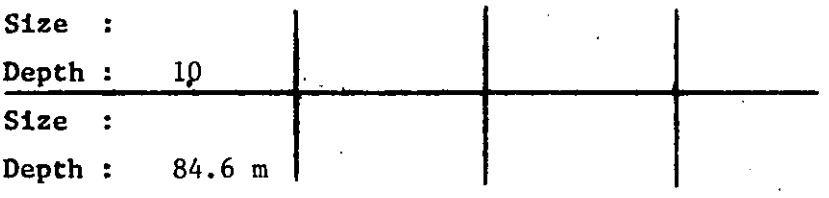
Date Commenced: 20-2-78 **Date Terminated:** 24-2-78

Casing: **Size :**

Depth : 10

Core: **Size :**

Depth : 84.6 m



Wedge Runoff:

Wedge Placed: **Depth:**

Proposed by: **Approved by:**

Reason:

Extension:

Final depth: 84.6 m

Reason for termination: Passed mineralized zone.

Condition of hole on completion:

Casing:

Cemented:

Bore hole survey:

Water:

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/19

Survey method: Multishot Camera
Final depth: 84.60 m
Casing depth: 1.00 m

Depth surveyed to: 84.60 m
Date surveyed to: 24-2-78
Surveyed by: L. Denby
Checked by: J. Clark

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		N	E
3.0	086	58.0	24.0	-66	2.74	0.09	1.22
9.0	086	58.0	24.0	-66	8.22	0.26	3.65
12.0	086	58.0	23.75	-66.25	10.97	0.34	4.86
15.0	086	58.0	23.50	-66.5	13.72	0.42	6.06
21.0	086	58.0	23.25	-66.75	19.23	0.59	8.42
30.0	086	58.0	23.25	-66.75	27.50	0.84	11.96
38.0	085	57.0	23.25	-66.75	34.85	1.12	15.11
48.0	086	58.0	23.25	-66.75	44.04	1.40	19.05
58.0	085.5	57.5	23.0	-67	53.25	1.71	22.95
68.0	086	58.0	23.0	-67	62.46	1.98	26.85
70.0	086	58.0	23.0	-67	64.30	2.03	27.63
78.0	085	57.0	23.0	-67	71.66	2.30	30.75
84.60	086	58.0	23.0	-67	77.74	2.48	33.32

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. 500/19

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
- 3.0	3.0	3.0	100
5.3	2.3	2.25	98
8.5	3.2	3.2	100
10.6	2.1	2.05	98
13.6	3.0	2.96	99
16.6	3.0	2.97	99
19.6	3.0	2.92	97
22.6	3.0	2.92	97
25.6	3.0	2.93	98
28.6	3.0	2.90	97
31.6	3.0	2.97	99
34.6	3.0	2.89	96
36.6	2.0	2.0	100
39.6	3.0	2.95	98
42.6	3.0	2.92	97
45.6	3.0	2.93	98
48.6	3.0	2.96	98
51.6	3.0	2.89	96
54.6	3.0	6.98	99
57.6	3.0	2.93	98
60.6	3.0	2.98	99
63.6	3.0	2.94	98
66.6	3.0	3.00	100
69.6	3.0	3.00	100
72.6	3.0	3.00	100
75.6	3.0	3.00	100
78.6	3.0	3.00	100
81.6	3.0	3.00	100
84.6	3.0	3.00	100

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. Bh 500/19

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
B 6066	15	16	1.0	1.0	0.05	<0.01		
67	16	17	"	"	<0.01	<0.01		
68	17	18	"	"	0.12	<0.01		
69	18	19	"	"	1.68	0.07		
70	19	20	"	"	0.17	0.01		
71	20	21	"	"	0.24	0.02		
72	21	22	"	"	0.84	0.03		
73	22	23	"	"	1.57	0.05		
74	23	24	"	"	0.84	0.02		
75	24	25	"	"	1.01	0.03		
76	25	26	"	"	0.48	0.01		
77	26	27	"	"	0.94	0.03		
78	27	28	"	"	0.30	0.01		
79	28	29	"	"	0.08	<0.01		
80	29	30	"	"	0.12	<0.01		
81	30	31	"	"	0.03	<0.01		
82	31	32	"	"	0.02	<0.01		
83	32	33	"	"	0.08	<0.01		
84	33	34	"	"	0.76	0.03		
85	34	35	"	"	1.20	0.05		
86	35	36	"	"	0.45	0.02		
87	36	37	"	"	1.50	0.07		
88	37	38	"	"	0.24	0.01		
89	38	39	"	"	<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 500/19

0.0 - 17.60 m — Biotite / Pyroxene Hornfels

Dark purplish brown biotite hornfels with numerous bands of pyroxene hornfels. Below 14.0 m, small pods of calcite and calcite / pyroxene are present.

Pyrrhotite is present in veinlets, and in pyroxene - rich pods especially towards the lower end of the unit. Minor chalcopyrite is present with pyrrhotite at 16.2 m.

At 3.5 m bedding is 70^{o} to core axis
At 5.2 m Minor broken core.
Fractures / m = 3.

17.60 - 33.40 m — Pyroxene - Garnet Hornfels

Calcite pods, often containing pyroxene, chlorite and grossular garnet are set in a finer grained matrix of these minerals.

From 17.60 - 18.80 m, and 23.60 - 25.00 m scheelite is abundantly present as fine and medium grained disseminated crystals.

For the remainder of the unit, scheelite is patchy distributed as fine to coarse grained crystals. Lengths of core up to 30 cm may have good grade scheelite.

31.1 - 31.6 m Pyroxene / biotite hornfels.
Fractures / m = 4.

33.40 - 37.05 m — Garnet Hornfels

Fine grained andradite garnet hornfels has abundant pyroxene and calcite. Scheelite is present as thickly disseminated fine grained crystals.

Small aggregates of pyrrhotite are present between 35.5 - 34.5 m

Fractures / m = 3

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/19

37.05 - 50.80 m — Marble

White to grey medium grained marble has a sugary texture. There are occasional lens of grossular present and at 46.1 and 46.4 m, small lens of andradite garnet have scheelite mineralization.

Fractures / m = 4.

50.80 - 73.10 m — Banded Footwall Beds

Interbedded marble, pyroxene hornfels and biotite hornfels are present as beds up to 30 cm wide. Grossular is common in the marble beds.

At 52.8 m, minor scheelite is associated with andradite and calcite.

From 70.0 - 73.1 m, bedding is mildly disturbed and there are small zones of broken core at 71.1 m and 72.5 m.

Bedding is 60° to core axis throughout the unit.

Fractures / m = 5.

73.10 - 84.60 m — Biotite / Pyroxene Hornfels

The unit is predominantly dark purplish brown bedded biotite hornfels with lesser pyroxene hornfels and minor marble. There are several aggregates of pyrrhotite in this unit. Disseminated scheelite is present at 81.9 m and 82.7 - 82.8 m in small pyroxene / andradite / calcite beds.

Bedding in the unit is mildly disturbed and ranges from 25° to 60° over short intervals.

77.60 - 78 m Aplite
78.70 - 78.80 m Aplite

Fractures / m = 6

EOH 84.60 metres.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 500/19

LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
6067	<0.01	<0.01	8042	0.08	0.01	8043	0.016		8044			140 p.p.m.
6084	0.08	<0.01	8045	0.78	<0.01	8046	0.820		8047	0.76		


DDH BH 500/19
00.00 – 14.74 m.


DDH BH 500/19
14.74 – 29.75 m.


DDH BH 500/19
29.75 – 44.69 m.


DDH BH 500/19
44.69 – 59.97 m.


DDH BH 500/19
59.97 – 74.99 m.


DDH BH 500/19
E.O.H
74.99 – 84.60 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 500/18

PLANNING

Proposer: G. Brown — Depth: 85 metres

Location: B lens Main

Purpose of hole: Test C West, D West

Co-ordinates: 40303.5 E 10500 N
Inclination: - 78°
Bearing 090 Grid Magnetic:
Target: E N Target Depth: 85 metres
Approved by: M.C.R. Date: 1-1-78

SURVEY

Survey Co-ords: E N
Survey bearing: 086° Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 311.0 E 501.5 N
R.L. of Collar: 962.6m Inclination of Hole: -78°
Picked up by: B. Lennon Date: 2-2-78

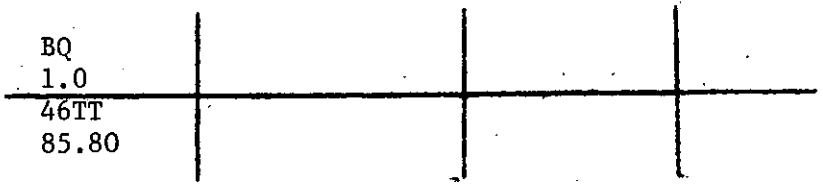
SUMMARY

Logged by: J. Clark
Results: 10-12m, 2m at 060% WO_3, 0.04% Mo
33-37m, 4m at 0.73% WO_3, 0.03% Mo
42-45m, 3m at 0.91% WO_3, 0.04% Mo

DRILLING

Driller/Contractor: A.D.D.
Date commenced: 27-1-78 Date terminated: 8-2-78

Casing: Size: BQ
Depth: 1.0
Core: Size: 46TT
Depth: 85.80



Wedge Runoff:
Wedge placed: Depth:
Proposed by: Approved by:
Reason:
Extension:
Reason for termination: Passed mineralized zone.

Condition of hole on completion: Final depth: 85.80
Casing:
Cemented:
Bore hole survey: Single shot camera
Water:

Comments on drilling conditions: Bad ground encountered at 48-52 metres. Cementing required for hole to proceed.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 500/18

Survey method: Single Shot Camera
Final depth: 85.80 metres
Casing depth: 1.0 metres

Depth surveyed to: 71 metres
Date surveyed to: 8-2-78
Surveyed by: J.W
Checked by: J. Clarke

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		E	N
0	086 °			-81.67°	0	40311.0	10501.5
5.5					5.44	40311.79	10501.56
11	083°	55	7°	-83°			
21					20.82	40313.66	10501.79
31	084°	56	7° 30'	-82.5°			
41					40.65	40316.26	10502.06
51	083.5°	55° 30'	7° 45'	-82.25			
61					60.47	40318.94	10502.37
71	078.5°	50° 30'	7° 15'	-82.75°			
85.8					85.07	40322.0	10503.0

REMARKS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. B 500/18

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 5991	9	10	1.0	1.0	<0.01	<0.01		
2	10	11	"	"	0.68	0.05	10-12 metres	
3	11	12	"	"	0.52	0.03	2 metres at 0.60%WO_3 0.04% Mo	
BH 5994	12	13	"	"	0.07	<0.01		
BH 5995	32	33	"	"	<0.01	<0.01		
6	33	34	"	"	0.56	0.02	33-37 metres, 4 metres at	
7	34	35	"	"	0.38	0.02	0.73% WO_3	
8	35	36	"	"	0.40	0.02	0.03% Mo	
9	36	37	"	"	1.52	0.06		
BH 6000	37	38	"	"	0.19	0.01		
1	38	39	"	"	0.28	0.01		
2	39	40	"	"	0.09	<0.01		
3	40	41	"	"	0.03	<0.01		
4	41	42	"	"	<0.01	<0.01		
5	42	43	"	"	0.41	0.02	42-45 metres, 3 metres	
6	43	44	"	"	1.34	0.06	at 0.91% WO_3	
7	44	45	"	"	0.98	0.04	0.04% Mo	
8	45	46	"	"	<0.01	<0.01		
BH 6009	46	47	"	"	<0.01	<0.01		
BH 6010	51	52	"	"	0.08	<0.01		
11	52	53	"	"	0.28	0.01		
12	53	54	"	"	0.43	0.02		
13	54	55	"	"	0.18	0.01		
14	55	56	"	"	<0.01	<0.01		
15	56	57	"	"	0.16	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 500/18

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.0	3.0	2.94	98
- 5.8	2.8	2.78	99
- 8.8	3.0	2.97	99
- 11.8	3.0	3.02	101
- 14.8	3.0	2.98	99
- 17.8	3.0	2.84	95
- 19.8	3.0	2.0	100
- 22.8	3.0	2.99	99
- 25.8	3.0	3.01	101
- 28.8	3.0	2.92	97
- 30.5	1.7	1.72	101
- 32.8	2.3	2.10	91
- 35.8	3.0	3.04	101
- 38.8	3.0	2.90	97
- 41.8	3.0	2.91	97
- 48	6.2	5.80	94
- 50.7	2.7	1.30	48
- 51.5	0.8	0.60	75
- 53.8	2.3	2.24	97
- 56.7	2.9	2.81	97
- 58.6	1.9	1.90	100
- 61.3	2.7	2.60	96
- 62.3	1.0	0.90	90
- 64.8	2.5	2.35	94
- 67.8	3	2.90	97
- 72.8	5.0	4.80	96
- 73.8	1.0	1.0	60
- 75.8	2.0	1.94	97
- 78.8	3.0	3.0	100
- 81.8	3.0	2.94	98
- 82.8	1.0	0.82	82
- 85.8	3.0	2.92	97

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/18

0 - 18.00 m — Marble

Grey to white fine grained marble which in places has small black biotite beds in it.
Small randomly oriented white calcite veinlets are common in the lower part of the unit. Soft secondary calcite fracture fillings are present at 5.8 - 5.9 m and 11.3 - 11.6 m.

10.65 - 11.3 m, 11.60 - 12.1 m, Calcite pyroxene hornfels containing small amounts of fine and medium grained scheelite.

2.3 m bedding is 54 to core axis
9.0 m bedding is 73 to core axis

Fractures / m = 4

18.00 - 31.80 m — Biotite Hornfels

Purplish brown biotite hornfels with narrow green pyroxene rich beds. Near the start of the unit (18.0 - 22.5 m) narrow calcite beds are common.

21.2 m. Small bed of garnet hornfels containing minor fine grained scheelite.

26.8 m. Broken core, the surfaces of which are mildly oxidised.

30.5 - 30.6 m, 31.4, 31.60 m Broken core at 20 m bedding is 55^{o} to core axis.

Fractures / m = 5

31.80 - 33.00 m — Fault Zone

Broken weathered core consisting of biotite hornfels and pyroxene garnet hornfels. Clay rich zones are also present, but despite this good core recovery has been obtained

33.00 - 42.70 m — Pyroxene Garnet Hornfels

Fragments of calcite, some of which contain grossular and chlorite are present in a matrix of pyroxene, grossular and chlorite, The beginning of the unit (33.0 - 34.4 m) is extremely weathered and has a yellowish brown colouation.
Moderate amounts of fine grained disseminated scheelite are present from 33.4 - 36.7 m. Medium grained scheelite is sparsely disseminated between 36.7 - 39.4 m only traces of scheelite are present in the remainder of the unit.

Fractures / m = 8

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/18

42.70 - 45.10 Garnet Hornfels

Moderately weathered (yellowish brown) garnet hornfels with several short clay rich lengths. fine grained disseminated scheelite is present.

Fractures / m = 8

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No: B 500/18

45.10 - 51.50 metres MARBLE

Light grey, in places yellowish brown, fine to medium grained marble with minor grossular. The unit has been mildly brecciated and along some of the fractures soft calcite in filling have weathered away.

48.3 - 51.50 metres. Weathering is more severe with short lengths of broken biotite and calcite hornfels seperated by yellow clay. Fragments of crumbly calcite are present.

Fractures / m = 15

51.50 - 54.80 metres GARNET HORNFELS

Consists fo andradite and calcite with lesser amounts of grossular and pyroxene. The beginning of the unit (51.5 - 51.9 metres) is mildly weathered and has only minor scheelite.

Moderate amounts of fine grained scheelite are present in the remainder of the unit except for marble rich beds at 53.2 - 53.4 metres and 54.3 - 54.5 metres.

Fractures / m = 6

54.80 - 83.70 metres BANDED FOOTWALL BEDS

Interbedded marble, pyroxene and biotite hornfels. The unit is very weathered and there are many short sections of broken core, often with clay zones. Fractures in marble are commonly stained yellowish brown.
58.6 - 59.7 metres, 60.1 - 60.6 metres, 60.9 - 61.3 metres are broken biotite hornfels.

Larger clayey zones are present at 62.8 metres, 65.1 metres, 69.8 - 70.0 metres.

71.0 - 72.1 metres. Biotite hornfels has been brecciated and is now cemented by soft calcite. Clay rich zones are also present.
80.5 - 80.6 metres. Aplite.

Fine grained scheelite is present at 62.0 metres, 80.1 - 80.25 metres (is coarse grained pyroxene hornfels) 80.8 - 81.0 metres (in garnet hornfels)

Depth	Bedding CA
65	64°
74	63°
82	69°

Fractures / m = 10

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 500/18

83.70 - 85.30 Aplite

Variable unit from fine grained aplite to medium grained granodiorite. Mafic minerals (hornblende with minor biotite) are abundant.

Fractures / m = 3

EOH 85.80 metres.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 500/18

LAB.	K.I.S.		LAB. K.I.S. CHECK			LAB. AMDEL			LAB. A.L.S.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
5992	0.68	0.05	8018	0.91	<0.01	8019	0.860		8020	0.75		
6005	0.41	0.02	8021	0.49	<0.01	8022	0.455		8023	0.42		
6015	0.16	<0.01	8024	0.07	0.01	8025	0.010		8026			80 p.p.m.


DDH BH 500/18
0.00-14.95 m.


DDH BH 500/18
14.95-29.88 m.


DDH BH 500/18
29.88-44.30 m.


DDH BH 500/18
44.30-60.56 m.


DDH BH 500/18
6056-7474 m.


DDH BH 500/18
7474-8580 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 500/17

PLANNING

Proposer: G. Brown — Depth: 100m

Location: I.49 -960m RL.

Purpose of hole: C lens oreblocking

Co-ordinates:	40 350	E 10 500	N
Inclination:	-75		Magnetic:
Bearing	090	Grid	Target Depth:
Target:		E	N
Approved by:	M.C.R.		Date: 1-7-77

SURVEY

Survey Co-ords:		E	N
Survey bearing:	68° 27'	Grid	Magnetic:
Surveyed in by:			Date:
Actual Co-ords:	40 3 47.44	E 10 5 01.18	N
R.L. of Collar:	962.74		Inclination of Hole: -74° 45'
Picked up by:	A. Grigulis		Date: 2-11-77

SUMMARY

Logged by: M. Danielson

Results:

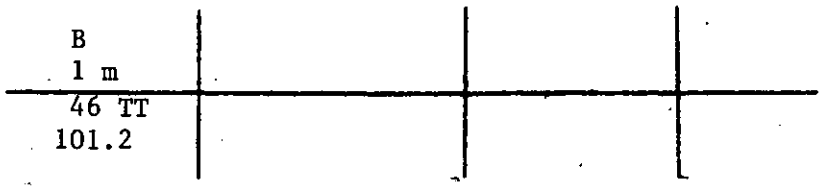
9-11 m	2 m	@ 0.52%	WO_3
49-53 m	4 m	@ 0.42%	WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 24-10-77 — Date terminated: 31-10-77

Casing:	Size:	B
	Depth:	1 m
Core:	Size:	46 TT
	Depth:	101.2



Wedge Runoff:

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

Extension: Nil

Reason for termination: Hole in granite (?)

Condition of hole on completion: — Final depth: 101.2

Casing:	No
Cemented:	No

Bore hole survey: Multishot to 100 m

Water: Nil

Comments on drilling conditions:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. B 500/17

Sample No.	DEPTH (METRES)				ELEMENTS				COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo			
B 5004	8	9	1.0	1.0	<0.01	<0.01			
5	9	10	"	"	0.35	0.02			
6	10	11	"	"	0.70	0.04			
B 5507	11	12	"	"	<0.01	<0.01			
B 5508	43	44	"	"	0.10	<0.01			
9	44	45	"	"	0.31	0.02			
10	45	46	"	"	0.68	0.03			
1	46	47	"	"	0.05	<0.01			
2	47	48	"	"	0.09	<0.01			
3	48	49	"	"	<0.01	<0.01			
4	49	50	"	"	0.54	0.04			
5	50	51	"	"	0.22	0.01			
6	51	52	"	"	0.42	0.02			
7	52	53	"	"	0.49	0.03			
8	53	54	"	"	0.06	<0.01			
9	54	55	"	"	0.14	<0.01			
20	55	56	"	"	0.22	0.02			
1	56	57	"	"	0.20	<0.01			
2	57	58	"	"	0.07	<0.01			
3	58	59	"	"	<0.01	<0.01			
4	59	60	"	"	<0.01	<0.01			
5	60	61	"	"	<0.01	<0.01			
6	61	62	"	"	0.01	<0.01			
7	62	63	"	"	0.38	0.02			
8	63	64	"	"	0.26	0.01			
B 5529	64	65	"	"	<0.01	<0.01			

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B 500/17

Survey method: Multishot Camera
Final depth : 101.2
Casing depth : 1 m

Depth surveyed to: 100 m
Date surveyed: 31-10-77
Surveyed by : M. Danielson
Checked by : L. Denby

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
20	069	041	14.5	-75.5	19.36	3.78	3.28
60	063.5	035.5	13	-77	58.34	11.01	8.63
80	063	035	12.5	-77.5	77.87	14.56	11.11
100	062	034	12.5	-77.5	97.40	18.15	13.53

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 500/17

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.2	3.2	3.2	100
5.0	1.8	1.8	100
9.0	4.0	3.95	99
13.0	4.0	4.0	100
15.9	2.9	2.9	100
18.2	2.3	2.3	100
22.2	4.0	4.0	100
24.2	2.0	2.0	100
28.2	4.0	4.0	100
32.2	4.0	4.0	100
34.2	2.0	2.0	100
36.2	2.0	2.0	100
38.2	2.0	2.0	100
42.2	4.0	4.0	100
44.2	2.0	2.0	100
48.2	4.0	4.0	100
50.2	2.0	2.0	100
55.2	5.0	5.0	100
58.2	3.0	3.0	100
61.2	3.0	3.0	100
63.2	2.0	1.95	97
68.2	5.0	4.5	90
71.2	3.0	3.0	100
74.2	3.0	3.0	100
77.2	3.0	3.0	100
80.2	3.0	3.0	100
83.2	3.0	3.0	100
86.2	3.0	3.0	100
89.2	3.0	3.0	100
91.2	2.0	2.0	100
94.2	3.0	3.0	100
97.2	3.0	3.0	100
99.2	2.0	2.0	100
101.2	2.0	2.0	100
EOH			

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 500/17

0 - 9.0	**Marble** Barren grey and white marble. No sign of mineralization at all. Bedding: 5 m 75^{o} L.A.O.C.
9.0 - 10.9	**Garnet Pyroxene Hornfels** Fine to medium grained andradite garnet and green pyroxene skarn. Moderate disseminated scheelite throughout.
10.9 - 16.9	**Marble** Barren grey marble.
16.9 - 33.5	**Biotite Pyroxene Hornfels** Barren grey brown biotite, pyroxene and actinolite hornfels. Carbonate, clay and minor pyrite or fracture surfaces.
25.8 - 26.0	**Fault** Core is rubble with minor clay and carbonate recemented breccia.
33.5 - 43.5	**Podded Pyroxene Biotite Hornfels** Blebs of white carbonate reaching in size up to 3 centimetres diametre. No mineralization. Matrix is a brown - grey biotite actinolite pyroxene assemblage.
43.5 - 58.0	**Podded pyroxene Garnet Hornfels** White carbonate pods in a pyroxene grossular and andradite garnet matrix. Weakly disseminated scheelite throughout.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 500/17

58.0 - 59.7 Biotite Pyroxene Hornfels

Essentially barren green pyroxene hornfels to 59.2 metres and then a podded bph to 59.7 metres.

59.7 - 61.2 Podded Pyroxene Garnet Hornfels

White carbonate pods in a green pyroxene groundmass, minor grossular garnet. No mineralization.

61.2 - 63.4 Garnet Pyroxene Hornfels

Very weakly mineralized pyroxene garnet skarn.

63.4 - 76.0 Barren grey marble

76.0 - 91.3 Banded Footwall Beds

Barren interbedded grey marble, black bh, brown grossular garnet and green pyroxene.

Bedding: 75° L.A.O.C.

Below: 83 unit is more bh rich and negligible gh and ph.

91.3 - 97.3 Biotite Pyroxene Hornfels

Barren interbedded black bh and green ph.

Bedding 80° L.A.O.C.

97.3 - 101.2 Adamellite

Coarse grained granitic rick illustrating pink feldspar laths up to 2 centimetres in length.

101.2 metres E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 500/17

LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
5515	0.22	0.01	7452	0.17	<0.01	7453	0.210		7454	0.17		
5527	0.38	0.02	7455	0.55	<0.01	7456	0.540		7457	0.45		

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 500/17

LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
5005	0.35	0.02	7422	0.14	< 0.01	7423	00145		7424	0.13		


DDH BH 500/17
00.00 – 14.96 m.


DDH BH 500/17
14.96 – 29.57 m.


DDH BH 500/17
29.57 – 44.64 m.


DDH BH 500/17
44.64 – 59.68 m.


DDH BH 500/17
59.68 – 75.33 m.


DDH BH 500/17
75.33 – 90.40 m.


DDH BH 500/17
90.40 – 101.20 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/16

PLANNING

Proposer: S.Grieve Brown — Depth: 30m

Location: L43 drive 'A' lens.

Purpose of hole: To test 'A' lens lower limb.

Co-ordinates: 10332.0 E 10500.0 N
Inclination: -42° Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M.C.Rogers Date: 3/3/77

SURVEY

Survey Co-ords: E N
Survey bearing: 83° 23' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 40 332.90 E 10500.12 N
R.L. of Collar: 1042.48 Inclination of Hole: -37° 26'
Picked up by: A. Grigulis Date: 18/4/77

SUMMARY

Logged by: S.Grieve Brown
Results: 11.0 - 14.0m, 3m @ 0.36% WO_3
16.5 - 20.5m, 4.0m @ 1.88% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: 6/4/77 Date terminated: 8/4/77

Casing: Size: -
Depth:
Core: Size: E17
Depth: 21.0

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

Extension: Nil
Reason for termination: Below 'A' lens mineral horizon

Condition of hole on completion: Final depth:
Casing: Nil
Cemented:
Bore hole survey:
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. Bold Head 500/16

Survey method: -

Final depth : 24.0m

Casing depth : Nil

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

[illegible]th (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
			NOT SURVEYED				

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 500/16

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 2.60	2.60	2.51	97
5.70	3.10	3.07	99
8.70	3.00	3.11	104
11.50	2.80	2.80	100
14.00	2.50	2.44	98
17.00	3.00	3.02	101
20.00	3.00	3.00	100
22.20	2.20	2.24	102
24.00	1.80	1.78	99
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. Bold Head 500/16

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
B4589	11.0	12.0	1.0	1.0	0.25	0.06	11.0 - 14.0m	
90	12.0	13.0	1.0	1.0	0.50	0.05	3m @ 0.36% WO_3	
91	13.0	14.0	1.0	1.0	0.34	0.03		
B4592	16.5	17.5	1.0	1.0	4.50	0.09	16.5 - 20.5m	
93	17.5	18.5	1.0	1.0	2.33	0.22	4.0m @ 1.88% WO_3	
94	18.5	19.5	1.0	1.0	0.27	0.09		
95	19.5	20.5	1.0	1.0	0.41	0.03		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/16

0.00 - 11.75m — MARBLE

A barren unit of grey black marble with well developed bedding apparant through out the core. This unit does not contain any garnet or pyroxene.
Bedding is at 57° LCA at 3.50m
43° LCA at 7.70m
52 LCA at 10.10m

11.75 - 13.80 — MINERALISED MARBLE

A small unit of pyroxene and garnet rich mineralised marble. The unit is disturbed and no bedding is apparent in this area. The mineralisation is sub grade.

13.80 - 17.42 — MARBLE

A barren unit oof grey black marble. Initially this unit shows some bedding but below about 16.20m the whole unit is very disturbed and recrystalised.
Bedding is at 14.20m LCA at 36°

17.42 - 19.74 — GARNET PYROXENE HORNFELS

A very disturbed unit of pyroxene garnet hornfels replacing marble. Scheelite is present thmugh out in ore grade quantity and may reach 1% in this area.

19.47 - 24.0 E.O.H. — BIOTITE PYROXENE HORNFELS

Initially this unit is a banded biotite hornfels but below about 20.50m this becomes the normal patchy pyroxene garnet hornfels.

A band of possible middle volcanics occurs between 22.93m - 23.59m.
Bedding is at 42° LCA at 20.30m

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 500/16

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 4589	0.25	0.06	3530	0.03		3531	0.135		3532	0.12		
BH 4595	0.41	0.03	3533	<0.01		3534	0.015		3535	<0.01		


DDH BH 500/16
00.00 - 24.00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. Bold Head 500/15

PLANNING

Proposer: S. Grieve Brown **Depth:** 15

Location: L43 drive 'A' lens

Purpose of hole: To test 'A' lens nose

Co-ordinates: 10329.0 E 10500.0 N
Inclination: -40°
Bearing 270° Grid **Magnetic:**
Target: E **Target Depth:**
N
Approved by: M.C. Rogers **Date:** 1/4/77

SURVEY

Survey Co-ords: E N
Survey bearing: 275° 31' Grid **Magnetic:**
Surveyed in by: **Date:**
Actual Co-ords: 40 327.44 E 10 499.65 N
R.L. of Collar: 1042.50 **Inclination of Hole:** -40° 17'
Picked up by: A. Grigulis **Date:** 18/4/77

SUMMARY

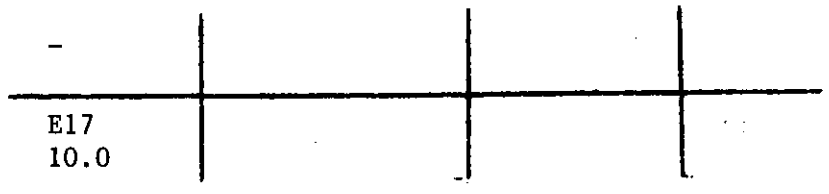
Logged by: S. Grieve Brown
Results: 3.30 - 5.30 2m @ 1.39% WO_3 'A' lens nose.

DRILLING

Driller/Contractor: Geopeko

Date commenced: 5/4/77 **Date terminated:** 6/4/77

Casing: Size: -
Depth:
Core: Size: E17
Depth: 10.0



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

Extension: Nil
Reason for termination: Entered volcanics

Condition of hole on completion: **Final depth:** 10.0m
Casing: Nil
Cemented:
Bore hole survey: Not surveyed 10m E.O.H.
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No: B500/15

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 3.10	3.10	3.02	98
3.10 - 6.10	3.00	2.99	100
6.10 - 9.20	3.10	3.11	100
9.20 - 10.0	0.80	0.79	99
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B500/15

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 3.10	3.10	3.02	98
3.10 - 6.10	3.00	2.99	100
6.10 - 9.20	3.10	3.11	100
9.20 - 10.0	0.80	0.79	99
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 500/15

Survey method:

Final depth : 10.0m

Casing depth : Nil

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

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

REMARKS:

GEOPEKO LIMITED - King Island

ASSAY DATA

D.D.H. No. BH 500/15

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
B4548	3.30	4.30	1.00	1.00	0.35	0.01		
4549	4.30	5.30	1.00	1.00	2.34	0.10	2m @ 1.39% WO_3	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/15

0.00 - 3.35	MARBLE
	A barren grey white marble with minor bedding apparent in the core at 33° LCA at 2.60m.
3.35 - 5.23	PYROXENE GARNET SKARN
	A small unit of well mineralised pyroxene garnet skarn. The last 33cm is quite disturbed and contains irregular patches of biotite hornfels, due to the proximity of the No.2 Fault.
	The scheelite is present as finely disseminated grains except over the last 40cm where large pure scheelite crystals occur.
5.23 - 5.70	BIOTITE PYROXENE HORNFELS
	A small unit of disturbed biotite pyroxene hornfels adjacent to the No.2 Fault.
5.70 - 10.0 E.O.H.	UPPER VOLCANICS
	An irregularly coloured unit dominantly grey green with irregular 'splotches' of darker green brown material.
	Quite large amounts of chlorite are present in some areas.
	There is a very small zone at the start of this unit with minor calcite and this is taken to be the No.2 Fault.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 500/15

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 4549	2·34	0.10	2793	2.05		2794	1.98		2795	1.90		


DDH BH 500/15
0000 - 10.00 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. Bold Head 500/14

PLANNING

Proposer: R. van den Bogaart — Depth: 15m

Location: P 55 drive

Purpose of hole: To test possible BF1 ore beyond volcanic dyke P55 drive

Co-ordinates: 10392 E 10500 N
Inclination: +2 — Magnetic:
Bearing 270 Grid — Target Depth:
Target: E N
Approved by: M.C. Rogers — Date: 29/11/76

SURVEY

Survey Co-ords: 40 389.79 E 10 499.86 N
Survey bearing: 269° 48' Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: E N
R.L. of Collar: 989/01 — Inclination of Hole: +1 41'
Picked up by: A. Grigulis — Date: 8/12/76

SUMMARY

Logged by: R. van den Bogaart
Results: No ore grade mineralisation encountered.

DRILLING

Driller/Contractor: Geopeko

Date commenced: 29/11/76 — Date terminated: 1/11/76

Casing: Size:
Depth:
Core: Size:
Depth: E 17
19.0

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

Extension:
Reason for termination: Nil Entered middle volcanics

Condition of hole on completion: — Final depth: 19.0
Casing:
Cemented: No
Bore hole survey: No
Water: No

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. Bold Head 500/14

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 - Bold Head

ASSAY DATA

D.D.H. No. B 500/14

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH 4176	1.0	2.0	1.0	1.0	0.01	0.01		
7	2.0	3.0	1.0	1.0	0.01	"		
8	3.0	4.0	1.0	1.0	0.02	"		
9	4.0	5.0	1.0	1.0	0.06	"		
4180	5.0	6.0	1.0	1.0	0.01	"		
1	6.0	7.0	1.0	1.0	0.03	"		
2	7.0	8.0	1.0	1.0	0.01	"		
3	8.0	9.0	1.0	1.0	0.01	0.02		
4	9.0	10.0	1.0	1.0	0.02	0.01		
5	10.0	11.0	1.0	1.0	0.01	0.01		
6	11.0	12.0	1.0	1.0	0.04	0.02		
7	12.0	13.0	1.0	1.0	0.09	0.01		
8	13.0	14.0	1.0	1.0	0.04	0.01		
4189	14.0	15.0	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. B 500/14

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 3.40	3.40	3.38	99
5.90	2.50	2.46	98
9.50,	3.60	3.72	103
12.50	3.00	3.00	100
14.90	2.40	2.33	97
16.70	1.80	1.47	82
19.0	2.30	2.20	96
E.O.H			

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No Bold Head 500/14

0.00 - 1.87 MIDDLE VOLCANICS

A dark grey, fine grained volcanic rock. The unit has a mottled texture and some small feldspar and quartzblebs have developed. The unit is rich in biotite and pyroxene with minor pyrite. The unit is devoid of scheelite mineralisation.

1.87 - 2.50 BIOTITE HORNFELS

A small unit of Biotite Hornfels containing pyroxene rich patches and pods. Some feldspar blebs have developed in the pyroxene rich areas. The unit could be described as a biotite pyroxene hornfels. The unit is devoid of scheelite mineralisation.

2.50 - 14.18 PYROXENE GARNET HORNFELS

A podded unit of pyroxene garnet hornfels containing pyroxene and grossularite in approximately equal amount. The unit has carbonate distributed unevenly throughout the groundmass. The sub-angular pods are calcite rich and rimmed by pyroxene, epidote and grossularite. The unit contains large grains of scheelite but is not expected to reach ore grade.

14.18 - 16.96 BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels containing some pyroxene and calcite rich pods. The unit contains some patches rich in garnet and actinolite. The unit is devoid of scheelite mineralisation. No.2 Fault occurs at 15.0m and is represented by a 4cm thick calcite filled fault plain ≠ 80 LCA.
Banding is at:
76 LCA @ 15.17m
20 LCA @ 15.45m
62 LCA @ 16.58m

16.96 - 19.0 MIDDLE VOLCANICS

A fine grained dark coloured volcanic rock with white feldspar blebs distributed throughout. The last metres of core has a mottled texture possibly due to dots of biotite and/or chlorite.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 500/14

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 41079	0.06	0.01	2478	<0.01		2479	0.005		2480	0.01		


DDH BH 500/14
0000-1900 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO.Bold Head 500/13

PLANNING

Proposer: S. Grieve Brown — Depth: 65m

Location: K 51 drive on 10500N section

Purpose of hole: To test C_1 and C_2 West.

Co-ordinates: 40303.3 E 10501.0 N
Inclination: -76° Magnetic:
Bearing 270° Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date:

SURVEY

Survey Co-ords: E N
Survey bearing: Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 40303.5 E 10500.0 N
R.L. of Collar: 962.94 Inclination of Hole: -76°
Picked up by: Date:

SUMMARY

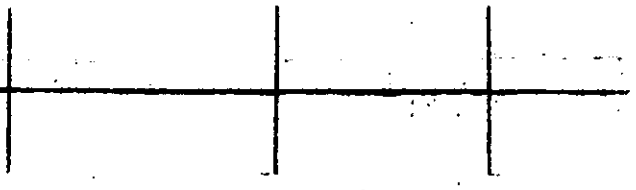
Logged by: R. van den Bogaart
Results: 45.0m - 57.0m 12m @ 0.71% WO_3

DRILLING

Driller/Contractor: A.D.D

Date commenced: 24/8/76 Date terminated: 1/9/76

Casing: Size: No
Depth: 1.5m
Core: Size: A17
Depth: 65.5



Wedge Runoff:
Wedge placed: No Depth:
Proposed by: Approved by:
Reason:

Extension: Nil
Reason for termination: entered adamellite

Condition of hole on completion: Final depth 65.5m
Casing: pulled
Cemented: no
Bore hole survey: Multishot to 10.0m Western Fault zonecaved in.
Water: No.

Comments on drilling conditions: Hole caved at 10.0m

GEOPEKO LIMITED - Bold Head 500/13

ASSAY DATA

D.D.H. No. B 500/13

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	Bi	
BH 3861	0.0	1.0	1.0	1.0	0.13	< 0.01		
2	1.0	2.0	1.0	1.0	0.02	< 0.01		
3	2.0	3.0	1.0	1.0	< 0.01	< 0.01		
4	3.0	4.0	1.0	1.0	< 0.01	< 0.01		
5	4.0	5.0	1.0	1.0	< 0.01	< 0.01		
6	26.0	27.0	1.0	1.0	0.01	< 0.01		
7	27.0	28.0	1.0	1.0	0.13	< 0.01		
8	28.0	29.0	1.0	1.0	0.32	0.01		
9	29.0	30.0	1.0	1.0	< 0.01	< 0.01		
3870	34.0	35.0	1.0	1.0	0.11	< 0.01		
1	35.0	36.0	1.0	1.0	0.18	< 0.01		
2	36.0	37.0	1.0	1.0	0.13	< 0.01		
3	37.0	38.0	1.0	1.0	0.21	< 0.01		
4	38.0	39.0	1.0	1.0	0.20	< 0.01		
5	39.0	40.0	1.0	1.0	< 0.01	< 0.01		
6	40.0	41.0	1.0	1.0	0.02	< 0.01		
7	41.0	42.0	1.0	1.0	< 0.01	< 0.01		
8	44.0	45.0	1.0	1.0	< 0.01	< 0.01		
9	45.0	46.0	1.0	1.0	0.56	0.02		
3880	46.0	47.0	1.0	1.0	0.75	0.02		
1	47.0	48.0	1.0	1.0	0.89	0.04		45m - 57.0m
2	48.0	49.0	1.0	1.0	0.29	< 0.01		
3	49.0	50.0	1.0	1.0	0.46	0.02		12.0m @ 0.71%
4	50.0	51.0	1.0	1.0	0.68	0.03		
5	51.0	52.0	1.0	1.0	0.32	< 0.01		
6	52.0	53.0	1.0	1.0	0.30	< 0.01		
7	53.0	54.0	1.0	1.0	< 0.01	< 0.01		
8	54.0	55.0	1.0	1.0	1.25	0.07		
9	55.0	56.0	1.0	1.0	2.35	0.13		
3890	56.0	57.0	1.0	1.0	0.70	0.19		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 500/13

Survey method: Multishot camera
Final depth : 65.5m.
Casing depth : 1.5m

Depth surveyed to: 13.0m
Date surveyed: 1/9/76
Surveyed by : V. Powell
Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		S	W
6m	263 00'	235 45'	14 00'	-76 00'	5.82	0.82	1.20
20m	272 00'	244 00'	14 45'	-75 15'	19.37	2.43	4.34
40m	272 00'	244 00'	14 45'	-75 15'	38.71	4.67	8.92
60m	272 00'	244 00'	14 45'	-75 15'	58.05	6.91	13.50
65m	272 00'	244 00'	14 45'	-75 15'	62.89	7.47	14.64

REMARKS: B 500/13 caved in at 10.0m (Western Fault zone). Values are assumed beyond 10m.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 500/13

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 2.5	2.5	2.07	83
5.5	3.0	2.84	95
8.5	3.0	3.02	101
11.5	3.0	2.66	89
14.5	3.0	2.89	96
17.5	3.0	3.08	103
20.5	3.0	2.92	97
23.5	3.0	2.99	100
26.5	3.0	3.05	102
29.5	3.0	2.95	98
32.5	3.0	3.02	101
35.5	3.0	2.98	99
38.5	3.0	2.88	96
41.5	3.0	3.04	101
44.5	3.0	2.96	99
47.5	3.0	3.04	101
50.5	3.0	3.0	100
53.5	3.0	3.02	101
56.5	3.0	2.98	99
59.5	3.0	2.92	97
61.9	2.40	2.33	97
62.5	0.60	0.67	112
65.5	3.00	3.06	102
65.5 EOH			

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/13

0.0-0.63m GARNET HORNFELS ('B' LENS MAIN)

A brown medium grained andradite garnet skarn, with minor pyroxene bands. The latter part of this unit grades into mineralised marble with increase of marble content. The unit contains finely disseminated scheelite throughout.

Bedding is at ≃ 52° L.C.A. @ 0.46m.

0.63 - 8.8m MARBLE

A grey well bedded marble, typical of the marble underlying 'B' lens skarn. The initial 3m of this unit contains irregular patches of pyroxene and garnet. The unit contains minor scheelite associated with the pyroxene garnet rich areas.

Bedding is at ≃ 60° L.C.A. @ 3.3m.
≃ 62° L.C.A. @ 5.5m.
≃ 66° L.C.A. @ 8.56m.

A major calcite and chlorite filled fracture (possible fault) occurs at 2.62m and is ≃ 16° L.C.A.

8.8 - 10.80 WESTERN FAULT ZONE

This unit is essentially the breccia zone associated with the Western Fault. The zone consists of brecciated and leached marble, the breccia particles being cemented by calcite and chlorite.

10.80 - 25.87 DISTURBED BIOTITE PYROXENE HORNFELS

A very disturbed unit of Biotite Pyroxene Hornfels with minor bands of calcite and garnet hornfels. The initial 0.25m of the unit adjacent to the Western Fault is very disturbed, and is cut off by a minor fault ≃ 54° L.C.A; beyond thisfault the biotite pyroxene hornfels is less disturbed. Overall the unit shows irregular banding with angular to subangular pods. The more angular pods are pyroxene rich, whereas the subangular pods are calcite rich, rimmed with pyroxene, epidote and grossularite (e.g. between 25.0 - 25.87m).

Between 13.5 - 14.5 the unit is silicified and shows a flow or shreadded texture around pods of pyroxene, quartz, biotite and minor pyrrhotite. The biotite exists as irregular banded pods. The banding shows that very little rotation of the pods has occurred. Only minor grains of scheelite are associated with the garnet rich bands and garnet rimmed calcite pods. Major calcite filled fractures occur at: ≃ 14° L.C.A. @ 20.64m.
≃ 58° L.C.A @ 21.50m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/13

25.87 - 34.55 DISTURBED CALCITE GARNET HORNFELS

A podded unit of marble with irregular patches and spots of grossularite, wollastonite, epidote, pyroxene and pyroxene garnet hornfels. Marble and grossularite dominant. Essentially this is a very disturbed unit of marble consisting of marble pods set in a matrix of marble or grossularite. In some cases the pods of marble have remnant bedding, and show that rotation of the pods is minor. (e.g. at 32.56m). Between 27.5 - 29.25m the unit is rich in pyroxene and garnet, some scheelite mineralisation possibly of ore grade occurs here. Epidote crystals and wollastonite occurs between 26.45 - 26.61m. Only minor grains of scheelite occur throughout this unit. The unit is moderately leached between 30.5 - 31.3m.

34.55 - 41.17 PYROXENE GARNET HORNFELS

A brownish - green unit of pyroxene garnet hornfels with subangular pods of calcite. Minor grossularite and epidote rim the calcite pods. This unit grades into the above calcite garnet hornfels but is richer in pyroxene and garnet. Medium to coarse grained scheelite occurs in this unit, but is not expected to reach ore grade.

41.17 - 44.7 BIOTITE PYROXENE HORNFELS

As above, i.e. a disturbed unit of biotite pyroxene hornfels with angular and subangular pods of pyroxene on calcite rimmed with grossularite and epidote. Scattered grains of scheelite occur in the calcite rich pods.

44.7 - 52.40 PYROXENE GARNET HORNFELS

A fine grained greenish - brown unit of pyroxene garnet hornfels. The unit contains extremely fine grained s scheelite throughout, and is expected to be high grade. Some grains of native bismuth occur at 52.14m. The whole unit is moderately leached and is associated with at least 3 minor faults. The faults are:

$\approx 38^{\circ}$ L.C.A. @ 48.28 Calcite and Chlorite filled.
$\approx 16^{\circ}$ L.C.A. @ 50.75 Calcite filled.
$\approx 26^{\circ}$ L.C.A. @ 51.0m Chlorite filled.

Major fractures occur at 45.08, 49.58, 49.94 and 51.26m.

52.40 - 56.70 MINERALISED BANDED FOOTWALL BEDS

A banded unit of biotite, pyroxene, garnet, and calcite hornfels. The unit contains medium grained scheelite mineralisation associated with the garnet - pyroxene rich bands. Large flakes of molybdenite and minor grains of native bismuth are also associated with the garnet - pyroxene rich bands. An unreplaced pod of marble with remnant bedding occurs in a pyroxene - garnet rich band at 55.10m.

Bedding is at $\approx 68^{\circ}$ L.C.A. @ 52.52m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/13

≃ 62° L.C.A. @ 54.73m.

56.70 - 61.20 BANDED FOOTWALL BEDS

A unit consisting of alternate bands of biotite, pyroxene garnet and calcite hornfels. Minor scheelite mineralisation is associated with the pyroxene - garnet rich bands. This unit is sub-grade.

Bedding is at ≃ 53° L.C.A @ 58.02m.
≃ 56° L.C.A @ 59.62m.

A major calcite filled fracture ≃ 28° L.C.A. occurs at 58.35m.

61.20 - 65.5 ADAMELLITE

A light grey, medium to coarse grained, biotite rich adamellite. The unit contains some large phenocrysts of plagioclase and minor hornblende.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 500/13

LAB.	K.I.S.		LAB.	K.I.S. CHECK		LAB.	AMDEL		LAB.	A.L.S.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
5323	0.90	0.05	7428	0.90	<0.01	7429	0.980		7430	0.92		
5335	0.33	0.01	7431	0.30	<0.01	7432	0.305		7433	0.32		
5346	0.35	0.01	7434	0.39	<0.01	7435	0.465		7436	0.43		

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 500/13

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 3870	0.11		BH 2163	0.05		BH 2164	0.19		BH 2165	0.15		
3880	0.75		2166	0.66		2167	0.81		2168	0.71		
3890	0.70		2169	0.64		2170	0.70		2171	0.51		


DDH BH 500/13
0·0 - 14·50 m


DDH BH 500/13
14·50 - 29·27 m


DDH BH 500/13
29·27 - 45·36 m


DDH BH 500/13
45·36 - 59·22 m


DDH BH 500/13
59.22 - 65.50 m

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/12

PLANNING Proposer: S.G. Brown — Depth:

Location: L 50 drive

Purpose of hole: To test thickness of volcanic dyke intersected in L 50 drive.

Co-ordinates: E — N
Inclination: -8° — Magnetic:
Bearing 180° Grid — Target Depth:
Target: E — N
Approved by: M.C. Rogers — Date: 24/5/76

SURVEY

Survey Co-ords: 10335.0 E — N 10502.0
Survey bearing: 175°00' Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 10 334.5 E 10 504.4 — N
R.L. of Collar: 964.6 — Inclination of Hole: -9°20'
Picked up by: R.J.H. — Date: 4/6/76

SUMMARY

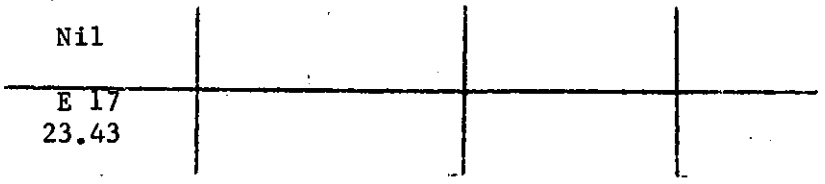
Logged by: S.G. Brown
Results: 500/12A cored to 1.25m.
0.0 - 5.0m, 5m @ 0.98% WO_3
18.0 -23.43, 5.43m @ 0.67% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: 24/5/76 — Date terminated: 1/6/76

Casing: Size: Nil
Depth:
Core: Size: E 17
Depth: 23.43



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

Extension: Nil
Reason for termination: Hole intersected ore on other side of volcanic dyke.

Condition of hole on completion: — Final depth: 23.43
Casing:
Cemented:
Bore hole survey: Yes, Acid tube
Water: Yes

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/12

Survey method : Acid tube
Final depth : 23.43m.
Casing depth : Nil

Depth surveyed to : 23.0m
Date surveyed : 2/6/76
Surveyed by : V. Powell
Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read.	Corrected		E	N
23m			-11°30'	-8°30'		10334.5	10504.4

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH·500/12

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.15	1.15	1.12	97.4
1.15- 2.66	1.51	1.57	103.9
2.66- 4.85	2.19	2.21	100.9
4.85- 6.40	1.55	1.47	94.8
6.40- 7.25	0.85	0.86	101.2
7.25- 8.30	1.05	0.96	91.4
8.30- 8.95	0.65	0.69	106.2
8.95- 9.59	0.64	0.63	98.4
9.59- 9.97	0.38	0.43	113.2
9.97- 10.60	0.63	0.60	95.2
10.60- 11.64	1.04	1.03	99.0
11.64- 11.94	0.30	0.30	100%
11.94- 13.93	1.99	1.91	96.0
13.93- 15.26	1.33	1.42	106.8
15.26- 16.72	1.46	1.46	100%
16.72- 18.59	1.87	1.88	100.5
18.59- 20.55	1.96	2.00	102.0
20.55- 21.29	0.74	0.68	91.9
21.29- 21.98	0.69 - 0.69	0.75	108.7
21.98- 23.43	1.45	1.34	92.4

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 500/12

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH							
3088	0.0	1.0	1.0	1.0	0.49	<0.01	
9	1.0	2.0	1.0	1.0	1.60	0.06	
3090	2.0	3.0	1.0	1.0	0.58	<0.01	0.0 - 5.0m
1	3.0	4.0	1.0	1.0	1.42	0.04	5m @ 0.98% WO_3
2	4.0	5.0	1.0	1.0	0.82	0.02	
3	5.0	6.0	1.0	1.0	<0.01	<0.01	
4	6.0	7.0	1.0	1.0	0.01	<0.01	
5	7.0	8.0	1.0	1.0	<0.01	<0.01	
3096	17.0	18.0	1.0	1.0	<0.01	<0.01	
7	18.0	19.0	1.0	1.0	0.64	0.01	
8	19.0	20.0	1.0	1.0	0.06	<0.01	18.0 - 23.43m,
9	20.0	21.0	1.0	1.0	0.42	0.01	5.43m @
3100	21.0	22.0	1.0	1.0	1.24	0.05	0.67% WO_3
2851	22.0	23.0	1.0	1.0	0.82	0.03	
2852	23.0	23.43	0.43	0.43	1.09	0.05	

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/12

0.00 - 4.86m GARNET SKARN

A dark brown coloured garnet skarn with some minor banding apparent in the core. Moderate grade scheelite mineralisation is present throughout this unit.

Bedding is at 16° LCA at 1.25m.

4.86 - 7.12 PYROXENE GARNET HORNFELS

A continuation of the above skarn unit with a much higher pyroxene content and lesser amounts of mineralisation. The average grade of mineralisation is minor in this area.

Between 6.32 - 6.71m the core is almost volcanic in appearance with minor feldspar laths present throughout

7.12 - 18.08m MIDDLE VOLCANICS

A unit of dark black middle volcanics with well developed white feldspar phenocrysts present throughout.

Minor veinlets rich in pyrrhotite are present in the last 20cm.

The contact at 18.08m is irregular with the volcanics interdigitated into the sediments.

18.08 - 23.43m GARNET SKARN

'B' lens garnet skarn, brown in colour with good grade scheelite mineralisation present throughout except over the interval 18.95 - 19.61 where the core is pyroxene rich.

Bedding is at 12° LCA at 19.06m.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. R 500/12

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 3090	0.58	<0.01	BH 3278	0.37		BH 3279	0.50		BH 3280	0.46		
BH 3100	1.24	0.05	BH 3281	0.93		BH 3282	1.18		BH 3283	1.09		


DDH BH500/12
0.0 -23.43 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/11

PLANNING

Proposer: S.G. Brown — Depth: 12m

Location: L 50 drive

Purpose of hole: To test width of volcanics intersected in L 50 drive.

Co-ordinates: 10 324 E 10 500 N
Inclination: -8°
Bearing 230° Grid
Target: E
Approved by: M.C. Rogers

Magnetic:
Target Depth:
N
Date: 18/5/76

SURVEY Appro

Survey Co-ords: 10324 E 10 500 N
Survey bearing: 227°06' Grid
Surveyed in by:
Actual Co-ords: 10 321.69 E 10495.64 N
R.L. of Collar: 963.07 NB: NOT COLLAR
Picked up by: J. Cook

Magnetic:
Date:
Inclination of Hole: -7°51'
Date: 10/9/76

SUMMARY

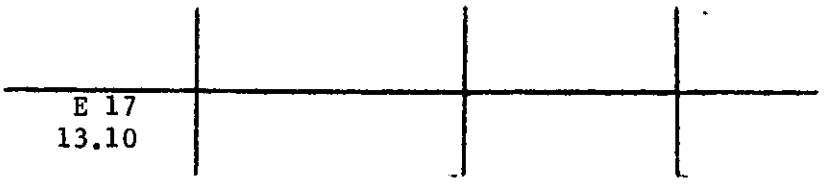
Logged by: R. van den Bogaart
Results: No mineralisation intersected.

DRILLING

Driller/Contractor: Geopeko

Date commenced: 18/5/76 — Date terminated: 26/5/76

Casing: Size:
Depth:
Core: Size: E 17
Depth: 13.10



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

Extension:
Reason for termination: Still in volcanics

Condition of hole on completion: — Final depth: 13.10m
Casing: Nil
Cemented: No
Bore hole survey: Yes, Acid tube test.
Water: Yes, at approximately 9.0m

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/11

Survey method: Acid tube

Final Depth : 13.05m

Casing depth: nil

Depth surveyed to: 13.05m

Date surveyed : 26/5/76

Surveyed by: G. Scot-Smith

Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected			
13.05			10°30'	8° 15'			

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 500/11

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 0.67	0.67	1.04	155
0.95	0.28	0.26	93
1.47	0.52	0.53	101
1.81	0.34	0.31	91
2.67	0.86	0.82	95
3.40	0.73	0.70	96
4.56	1.16	1.15	99
4.80	0.24	0.27	112
5.52	0.72	0.73	101
7.30	1.78	1.65	93
7.90	0.60	0.40	67
8.50	0.60	0.63	105
8.71	0.21	0.32	152
10.0	1.29	1.10	85
13.0	3.00	3.10	103
E.O.H.			

NB: BH 500/11A was drilled for 0.77 metres and abandoned in ore. Head was reset to position of BH 500/11.

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 500/11

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

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/11

0 - 13.0 MIDDLE VOLCANICS

A typical fine grained dark brown coloured middle volcanic containing well developed feldspar laths. Some finely disseminated pyrite occurs in the groundmass.

13.0 E.O.H.


DDH BH 500/11
0.0 - 10.24 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/10

PLANNING

Proposer: S.G. Brown — Depth: 15m.

Location: 0/49 Cuddy

Purpose of hole: To test B lens East on 10500 N section.

Co-ordinates: 10388.0 E 10498 N
Inclination: Magnetic:
Bearing 270° Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date:

SURVEY

Survey Co-ords: E N
Survey bearing: 256°04' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10388.98 E 10497.34 N
R.L. of Collar: 968.38 Inclination of Hole: -78°52'
Picked up by: J. Cook Date: 14/4/76

SUMMARY

Logged by: S.G. Brown
Results: 0.0 - 3.0m, 3m @ 0.80% WO_3
8.0 -10.0m, 2m @ 1.19% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 6/4/76 Date terminated: 8/4/76

Casing:	Size:	AQ			
	Depth:	1.5			
Core:	Size:	A 17			
	Depth:	20.40			

Wedge Runoff:
Wedge placed: Nil Depth:
Proposed by: Approved by:
Reason:
Extension: Nil
Reason for termination: Below zone of interest

Condition of hole on completion: Final depth: 20.40
Casing: Left
Cemented: No
Bore hole survey: Multishot camera
Water: Minor inflow from F.W. Beds

Comments on drilling conditions: Good

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 500/10

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 2677	0.0	1.0	1.0	1.0	0.31	0.01	0.0 - 3.0m,
8	1.0	2.0	1.0	1.0	1.96	0.08	3m @ 0.86% WO_3
9	2.0	3.0	1.0	1.0	0.31	0.01	
2680	3.0	4.0	1.0	1.0	<0.01	<0.01	
1	4.0	5.0	1.0	1.0	0.07	0.01	
2	5.0	6.0	1.0	1.0	<0.01	<0.01	
3	6.0	7.0	1.0	1.0	<0.01	<0.01	
4	7.0	8.0	1.0	1.0	0.01	<0.01	
5	8.0	9.0	1.0	1.0	1.00	0.04	8.0 - 10.0m,
6	9.0	10.0	1.0	1.0	1.38	0.06	2m @ 1.19% WO_3
2687	10.0	11.0	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 500/10

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.50	3.50	3.20	93
6.60	3.10	3.04	98
9.20	2.60	2.61	100
12.30	3.10	2.95	95
14.45	2.15	2.06	96
17.40	2.95	2.81	95
20.40	3.00	2.71	90
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/10

Survey method: Multishot Camera

Final Depth : 24.60

Casing depth: 1.5

Depth surveyed to: 21.6

Date surveyed 8/4/76

Surveyed by: S.G. Brown

Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		S	W
4m	263°00'	225° 00'	-11°00'	-79° 00'	3.93	0.44	0.62
8m	265°00'	237°00'	-11° 15'	-78°45'	7.85	0.86	1.27
13m	265° 00'	237°00'	-11°15'	-78° 45'	12.75	1.39	2.09
18m	266°00'	238°00'	-11°00'	-79°00'	17.66	1.89	2.90
21.6	266°00'	238°00'	-11°30'	-78°30'	21.19	2.27	3.51

REMARKS:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/10

0.00 - 9.88 PYROXENE GARNET HORNFELS

A brown green course grained pyroxene garnet hornfels. Some fine grained light green pyroxene rich bands are present in this unit.

Scheelite is present throughout the unit in varying amounts but is best below 7.0m.

7.97 - 8.05m No.2 Fault a small zone of sheared biotite hornfels.

Some banding is present in this unit. 5.75m α 28° L.C.A

9.88 - 20.40 MARBLE

A grey - grey black coloured marble with some remobilized zones present throughout. In some areas small garnet crystals are present in the core.

Some leached zones filled with clay @ 11.90m and 12.36m and 18.18m.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 500/10

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 2680	<0.01	<0.01	BH 3209	0.02		BH 3210	0.076		BH 3211	0.071		


DDH BH 500/10
000 - 1505m.


DDH BH 500/10.
1505 - 2040m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/9

PLANNING

Proposer: S.G. Brown — Depth: 45m

Location: 0/49 Cuddy

Purpose of hole: To test BF1, BF2 and BF3 on 10500N section.

Co-ordinates: 10388.0 E 10498 N
Inclination: -56° Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 1/4/76

SURVEY

Survey Co-ords: E N
Survey bearing: 88°04' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 390.16 E 10 497.84 N
R.L. of Collar: 968.50 Inclination of Hole: -51°39'
Picked up by: J. Cook Date: 14/4/76

SUMMARY

Logged by: S.G. Brown
Results: 6 - 17m ~~15m @ 0.67% WO~~ BF2
11m @ 0·73% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 28/3/76 Date terminated: 6/4/76

Casing:	Size:	AQ
	Depth:	1.5
Core:	Size:	A 17
	Depth:	44.85

Wedge Runoff:
Wedge placed: Nil Depth:
Proposed by: Approved by:
Reason:
Extension:
Reason for termination: Below horizon of interest

Condition of hole on completion: Final depth: 44.85m
Casing: Left
Cemented: No
Bore hole survey: Multishot camera
Water: Nil

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/9

Survey method: Multishot

Final Depth : 44.85m

Casing depth: 2m

Depth surveyed to: 44m

Date surveyed : 7/4/76

Surveyed by: R. Van Den B.

Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
8.0	86°	N58°E	38°	-52°		2.65	4.85
17.0	86°	N58°E	38° 15'	-51° 45'		5.61	9.53
26.0	86°	N58°E	38°	-52°		8.57	14.27
32.0	88°	N60°E	38° 45'	-51° 15'		10.50	17.48
44.0	88°	N60°E	38° 45'	-51° 15'		14.25	23.97

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No: BH 500/9

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.5	1.50	1.32	88
3.60	2.10	2.01	96
6.30	2.70	2.62	97
9.30	3.00	2.98	99
12.30	3.00	3.02	100
15.50	3.20	3.12	98
18.55	3.05	3.08	101
21.60	3.05	2.88	94
25.50	3.90	3.75	96
27.50	2.00	2.17	108
32.40	4.90	4.70	96
35.70	3.30	3.18	96
38.75	3.05	3.13	103
41.80	3.05	3.11	102
44.85	3.05	3.01	99
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 500/9

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH2657	0.0	1.0	1.0	1.0	0.05	<0.01	
2658	1.0	2.0	1.0	1.0	<0.01	<0.01	
2659	2.0	3.0	1.0	1.0	1.98	0.08	
2660	3.0	4.0	1.0	1.0	0.01	<0.01	
2661	6.0	7.0	1.0	1.0	1.04	0.04	
2662	7.0	8.0	1.0	1.0	3.08	0.12	
2663	8.0	9.0	1.0	1.0	0.99	0.04	
2664	9.0	10.0	1.0	1.0	0.26	<0.01	
2665	10.0	11.0	1.0	1.0	0.01	<0.01	6 - 17m 11m @ 0.73% WO_3
2666	11.0	12.0	1.0	1.0	0.33	0.01	
2667	12.0	13.0	1.0	1.0	0.56	0.02	
2668	13.0	14.0	1.0	1.0	0.58	0.01	
2669	14.0	15.0	1.0	1.0	0.41	0.01	
2670	15.0	16.0	1.0	1.0	0.36	0.01	
2671	16.0	17.0	1.0	1.0	0.46	0.07	
2672	17.0	18.0	1.0	1.0	0.21	<0.01	
2673	18.0	19.0	1.0	1.0	0.09	<0.01	
2674	22.0	23.0	1.0	1.0	<0.01	0.01	
2675	23.0	24.0	1.0	1.0	0.05	0.01	
2676	24.0	25.0	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 500/9

0.00 - 0.28 GARNET SKARN

A typical dark coloured garnet rich skarn with irregular amounts of pyroxene and calcite. The last 10cm of this unit is pyroxene rich. The unit contains good scheelite.

0.28 - 1.67 PYROXENE HORNFELS

A disturbed grey-green unit of pyroxene hornfels containing some irregular pods of garnet. The unit is biotite rich between 1.40 - 1.67. The unit is devoid of any scheelite mineralisation.

1.67 - 4.17 PYROXENE GARNET HORNFELS

A disturbed brown-green unit of pyroxene-garnet hornfels with variable garnet and pyroxene content. The unit has variable carbonate content in the groundmass and a large carbonate rich pod 4cm in diameter occurs at 3.65m. The unit contains medium to coarse grained scheelite between 2.03 - 2.97m and is almost devoid of scheelite mineralisation between 1.67 - 2.03m and 2.97 - 4.17m.

4.17 - 6.50 BANDED BIOTITE PYROXENE HORNFELS

A disturbed banded sequence containing biotite hornfels, biotite pyroxene hornfels and pyroxene garnet hornfels as follows:-

4.17 - 4.99 Biotite hornfels.
4.99 - 5.25 Pyroxene garnet hornfels.
5.25 - 6.50 Biotite pyroxene hornfels.

A disturbed banded unit of biotite pyroxene hornfels with minor garnet rich areas. The unit is devoid of scheelite mineralisation.

6.50 - 15.50 BANDED PYROXENE GARNET HORNFELS

A disturbed banded and podded unit of pyroxene garnet hornfels with irregular bands of biotite and pyroxene throughout. The groundmass has irregular pyroxene, garnet and carbonate content. The unit has erratic scheelite mineralisation associated with the garnet rich areas. Some grains of molybdenite may be noted in the core. This unit grades into the Banded footwall beds described below.

Bedding is at.

57^{o} L.C.A. @ 11.54m
64^{o} L.C.A. @ 12.67m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/7

15.50 - 18.62 BANDED FOOTWALL BEDS

A banded unit of biotite pyroxene garnet calcite hornfels. This unit is richer in carbonate than the unit described above. Scheelite mineralisation is erratic and confined to garnet rich areas.

Bedding is at
67° L.C.A. @ 17.02m
56° L.C.A. @ 18.21m

18.63 - 22.60 BANEDE BIOTITE PYROXENE HORNFELS

A banded unit of biotite pyroxene hornfels with minor carbonate and pyroxene rich areas.

The last 0.60m of this unit contains some carbonate rich pods up to 4cm in diameter. The unit contains only minor scheelite. Bedding is disturbed between 19.72 - 20.11m.

Bedding is at
64° L.C.A. @ 18.70m.
67° L.C.A. @ 21.0m.

22.60 - 24.20 BANDED PYROXENE GARNET HORNFELS

A disturbed banded unit of pyroxene garnet hornfels with irregular bands of biotite pyroxene and calcium hornfels. A garnet - pyroxene rich area between 22.92 - 23.25m contains numerous spots of chlorite? The unit has an erratic scheelite content, some grains of molybdenite can be noted in the core.

Bedding is at
63° L.C.A. @ 22.89m.
35° L.C.A. @ 23.33m.
64° L.C.A. @ 24.0m.

24.20 - 44.85 BANDED BIOTITE PYROXENE HORNFELS

A slightly disturbed banded grey-brown coloured unit of biotite pyroxene hornfels.

Bedding is at
62° L.C.A. @ 27.50m.
74° L.C.A. @ 33.70m.
47° L.C.A @ 41.80m.

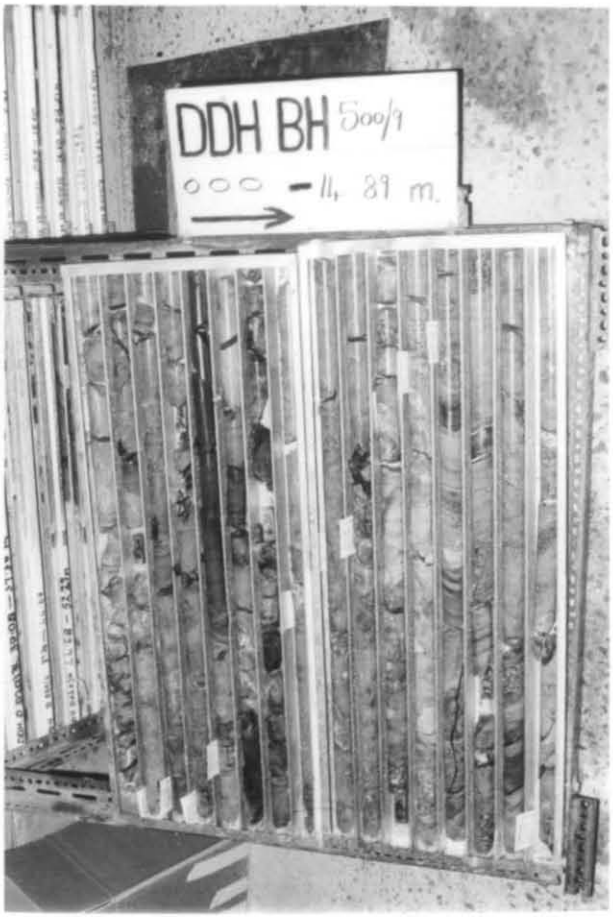
44.85 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

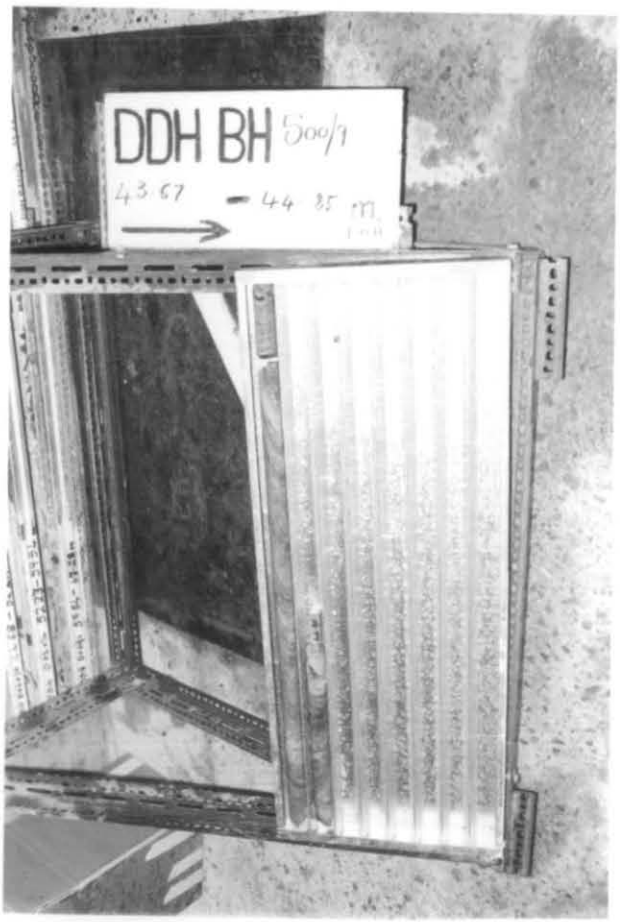
D.D.H. B) 500/9

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 2660	0.01	<0.01	BH 3203	0.03		BH 3204	0.072		BH 3205	0.070		
BH 2670	0.36	0.01	BH 3206	0.34		BH 3207	0.44		BH 3208	0.41		


DDH BH 500/1
000 - 14 89 m.


DDH BH 500/1
14 89 - 28 66 m.


DDH BH 500/1
28 66 - 43 51 m.


DDH BH 500/1
43.67 - 44 35 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/8

PLANNING

Proposer: S.G. Brown — Depth: 40m.

Location: 0/49 Cuddy

Purpose of hole: To test BF2 on 10500N

Co-ordinates: 10388.0 E 10498.0 N
Inclination: -34° Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 14/2/76

SURVEY

Survey Co-ords: E N
Survey bearing: 85°59' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 390.94 E 10 497.74 N
R.L. of Collar: 968.60 Inclination of Hole: -32°31'
Picked up by: J. Cook Date: 24/3/76

SUMMARY

Logged by: S.G. Brown
Results: 6.0 - 18.0m 12m @ 0.65% WO_3 BF2

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 23/3/76 Date terminated: 26/3/76

Casing: Size: BQ
Depth: 0.5
Core: Size: A 17
Depth: 33.00

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

Extension: Nil
Reason for termination: Entered quartzites

Condition of hole on completion: Final depth: 33.00
Casing: Pulled
Cemented: No
Bore hole survey: Multishot
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/8

Method: Multishot

Survey ~~Depths~~

Final Depth : 33.00m

Casing depth: 2m

Depth surveyed to: 32m

Date surveyed : 7/4/76

Surveyed by: R van Den B

Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
11.0	88°	N60°E	56°	-34°	6.16	4.37	8.00
17.0	89°	N61°E	56°	-34°	9.52	6.83	12.34
29.0	89°	N61°E	56° 15'	-33° 45'	16.16	11.57	21.15
32.0	90°	N62°E	56° 45'	-33° 15'	17.80	12.75	23.37

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 500/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.30	2.30	1.34	58.3%
2.30 - 5.60	3.30	2.97	90%
5.60 - 8.60	3.00	3.05	101.7%
8.60 - 11.60	3.00	3.04	101.3%
11.60 - 14.60	3.00	2.99	99.7%
14.60 - 17.60	3.00	2.97	99.0%
17.60 - 20.60	3.00	2.91	97.0%
20.60 - 23.00	2.40	2.14	89.2%
23.00 - 26.00	3.00	2.83	94.3%
26.00 - 29.00	3.00	2.93	97.7%
29.00 - 33.00	4.00	3.62	90.5%
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 500/8

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH2636	5.0	6.0	1.0	1.0	0.02	<0.01	
2637	6.0	7.0	1.0	1.0	0.60	0.02	
2638	7.0	8.0	1.0	1.0	0.68	0.03	
2639	8.0	9.0	1.0	1.0	1.54	0.08	
2640	9.0	10.0	1.0	1.0	0.34	0.01	
2641	10.0	11.0	1.0	1.0	1.39	0.07	
2642	11.0	12.0	1.0	1.0	0.10	<0.01	
2643	12.0	13.0	1.0	1.0	0.38	0.01	6.0 - 18.0m 12m @ 0.65% WO_3
2644	13.0	14.0	1.0	1.0	0.36	0.01	
2645	14.0	15.0	1.0	1.0	0.42	0.01	
2646	15.0	16.0	1.0	1.0	0.70	0.06	
2647	16.0	17.0	1.0	1.0	0.67	0.03	
2648	17.0	18.0	1.0	1.0	0.67	0.09	
2649	18.0	19.0	1.0	1.0	0.11	0.01	
2650	19.0	20.0	1.0	1.0	<0.01	<0.01	
2651	23.0	24.0	1.0	1.0	0.62	0.04	
2652	24.0	25.0	1.0	1.0	0.22	<0.01	
2653	25.0	26.0	1.0	1.0	<0.01	<0.01	
2654	26.0	27.0	1.0	1.0	0.02	<0.01	
2655	27.0	28.0	1.0	1.0	0.04	<0.01	
2656	28.0	29.0	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 500/8

0.0 - 5.81 BANDED BIOTITE PYROXENE GARNET CALCITE HORNFELS

A small unit of banded footwall beds in which biotite and pyroxene are dominant minor calcite and garnet are also present.

Minor scheelite is present in the garnet rich bands.

Bedding is at
46° L.C.A. @ 3.00m.
87° L.C.A. @ 5.00m.

5.81 - 18.37 BANDED PYROXENE GARNET HORNFELS

A well banded unit of pyroxene garnet hornfels in which the garnet is the dominant member with quite large amounts of pyroxene also present. Lesser amounts of biotite and calcite occur throughout.

The bedding which is present throughout is quite disturbed.
18.73m bedding α 76° LCA
11.64m α 52° LCA
13.40m α 70° LCA

Mineralisation is present throughout this unit in the garnet rich bands. The grade varies throughout but is possibly all ore grade.

18.37 - 23.39 BIOTITE PYROXENE HORNFELS

A finely banded unit of biotite and pyroxene hornfels grey-brown in colour. Unmineralised.

Bedding is at
55° LCA @ 19.90m.
32° LCA @ 21.70m.
36° LCA @ 23.00m.

23.39 - 24.32 GARNET SKARN

A small unit of very disturbed garnet skarn with moderate scheelite present in it.

24.32 - 26.50 BIOTITE PYROXENE HORNFELS

As above a barren banded unit.
Bedding at 26.0m = 43° LCA.

26.50 - 28.42 PYROXENE GARNET HORNFELS

A disturbed fine grained unit of pyroxene garnet hornfels in which the pyroxene is dominant. Some minor to moderate scheelite is present here.

The last 60cm are very pyroxene rich.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/8

28.42 - 29.84	DISTURBED BIOTITE PYROXENE HORNFELS A very disturbed unit of bph adjacent to the Boundary Fault.
29.84 - 30.10	BOUNDARY FAULT A zone of crushed biotite pyroxene hornfels.
30.10 - 33.00	QUARTZITES A series of light grey quartzites and darker siltstones.
33.00 E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B)500/8

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 2640	0.34	0.01	BH 3197	0.42		BH 3198	0.46		BH 3199	0.45		
BH 2650	<0.01	<0.01	BH 3200	0.03		BH 3201	0.068		BH 3202	0.068		


DDH BH 500/8
000 - 14 60 m.


DDH BH 500/8
14·60 - 29 04 m.


DDH BH 500/8
29·04 - 33·00m.
E.O.H

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 500/7

PLANNING

Proposer: S.G. Brown. Depth: 25m.

Location: 0/49 cuddy.

Purpose of hole: To test B lens Fault Block on 10500N at ∝ 970m R.L.

Co-ordinates: 10392.0 E 10498.0 N
Inclination: +1° Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M.C. Rogers. Date: 14/2/76

SURVEY

Survey Co-ords: E N
Survey bearing: 88°09' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 392.56 E 10 497.93 N
R.L. of Collar: 969.75 Inclination of Hole: +2°09'
Picked up by: J. Cook Date: 24/3/76

SUMMARY

Logged by: S.G. Brown
Results: 9 - 15m, 6m @ 0.68% WO_3 BF2

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 25/3/76 Date terminated: 29/3/76

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

	23.12 A17	Nil	

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

Extension: Nil
Reason for termination: Entered Quartzites.

Condition of hole on completion: Final depth: 23.12
Casing: Nil
Cemented: No
Bore hole survey: Multishot Camera
Water: No

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 500/7

Survey method : Multishot Camera
Final depth : 23.12m
Casing depth : Nil

Depth surveyed to : 23.12
Date surveyed : 24/3/76
Surveyed by : S.G.B.
Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
3	88°		+2°	+2°			
15	88°		+2°	+2°			
22	88°		+3°	+3°			

REMARKS:

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 500/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.0	3.0	2.6	86.7%
3.0 - 6.0	3.0	2.78	92.7%
6.0 - 9.40	3.40	3.40	100%
9.40- 11.0	1.60	1.66	103.7%
11.0 - 14.0	3.00	3.04	101.3%
14.0 - 17.0	3.00	2.95	98.3%
17.0 - 20.0	3.00	2.94	98.0%
20.0 - 23.12	3.12	3.18	101.9%
E.O.H.			

GEOPEKO LIMITED - BLOD HEAD MINE

ASSAY- DATA

D.D.H. No. BH 500/7

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH2604	8.0	9.0	1.0	1.0	<0.01	<0.01		
2605	9.0	10.0	1.0	1.0	0.64	0.01		
2606	10.0	11.0	1.0	1.0	0.30	<0.01	BF2. 9.0 - 15.0m, 6m @ 0.68% WO_3.	
2607	11.0	12.0	1.0	1.0	0.36	<0.01		
2608	12.0	13.0	1.0	1.0	1.40	0.05		
2609	13.0	14.0	1.0	1.0	0.70	0.02		
2610	14.0	15.0	1.0	1.0	0.71	0.01		
2611	15.0	16.0	1.0	1.0	0.23	<0.01		
2612	16.0	17.0	1.0	1.0	0.04	<0.01		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/7

0.00 - 9.08 BIOTITE PYROXENE CALCITE HORNFELS

This is a banded unit in which the calcite bands are dominant. Some bands of biotite pyroxene hornfels are also present while minor garnet occurs within the calcite rich areas.

Minor scheelite is present in the garnet rich zones.

bedding 37^{o} LCA at 2.60m.
40^{o} LCA at 5.90m.

9.08 - 16.46 DISTURBED PYROXENE GARNET HORNFELS

This unit which contains minor calcite was probably an original bedded unit but the bedding has been disturbed and is now podded and irregular.

Good scheelite is present throughout except over the last metre where the pyroxene and calcite content is considerably higher.

16.46 - 17.78 DISTURBED BIOTITE PYROXENE HORNFELS

This is typical of the unit found adjacent to the Boundary Fault, a disturbed biotite pyroxene hornfels in which irregular siliceous fragments occur.

17.78 - 17.88 BOUNDARY FAULT

A small zone of clinohumite and calcite.

17.88 - 23.12 QUARTZITES

A series of light grey quartzites and darker grey siltstones all containing a high pyrite content.

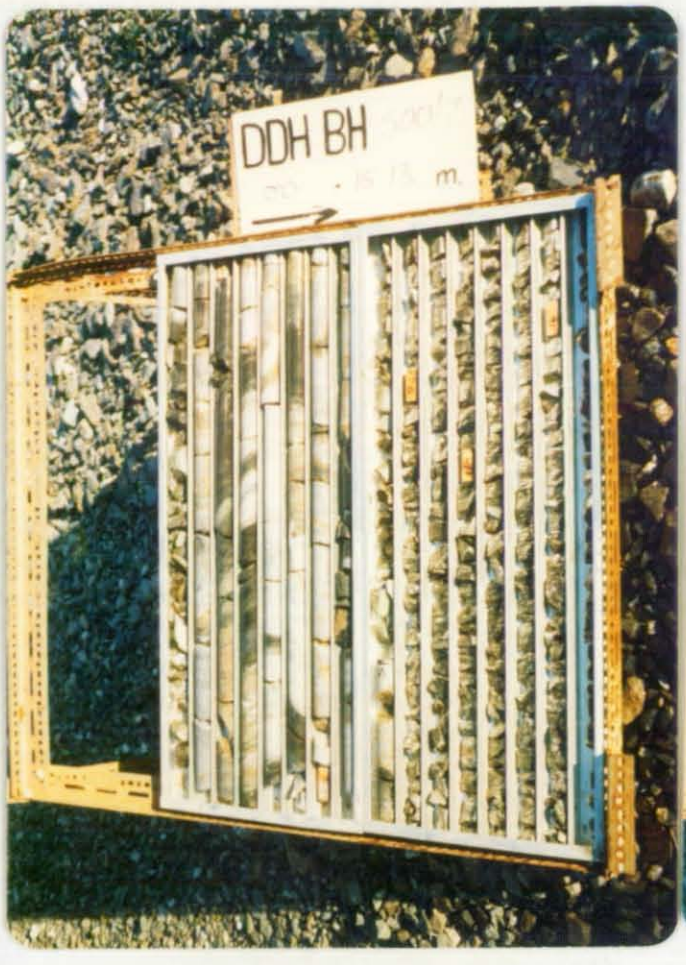
23.12 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 500/7

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 2610	0.71	0.01	BH 3194	0.75		BH 3195	0.82		BH 3196	0.80		


DDH BH


DDH BH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 500/6

PLANNING

Proposer: S.G. Brown. Depth: 100m.

Location: A lens 10500N Cuddy H.48.

Purpose of hole: To test B lens west of the Western fault.

Co-ordinates: 10333 E 10500 N

Inclination: -51° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 269°00' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 330.9 E 10499.8 N

R.L. of collar: 1028.0 Inclination of hole: -49°50'

Picked up by : R.J.H. Date: 25/7/75

SUMMARY

Logged by : S.G. Brown

Results: 72m - 74m, 2m @ 0.43% WO_3

82m - 85m, 3m @ 0.85% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 14/7/75 Date terminated: 23/7/75

Casing: Size : Nil

Depth :

Core: Size : BQ

Depth : 93.98

Wedge Runoff:

Wedge placed: No Depth:

Proposed by : Approved by:

Reason:

Extension: No.

Reason for termination: Entered granite. Final depth: 93.98m.

Condition of hole on completion:

Casing : Nil.

Cemented : No.

Bore hole survey: Multishot camera.

Water: No.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - Bold Head Mine

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 500/6

Survey method : Multishot camera.
Final depth : 93.57m.
Casing depth : 1.52m.

Depth surveyed to : 91.44m.
Date surveyed :24/7/75
Surveyed by :G.L. Buckland.
Checked by :R. Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E S	N W
15.24	275°00'	247°00'	40°00'	-50°00'	11.67	4.36	8.75
30.48	273°00'	245°00'	40°00'	-50°00'	23.35	8.50	17.64
45.72	273°00'	245°00'	40°00'	-50°00'	35.02	12.64	26.52
60.96	274°00'	246°00'	40°00'	-50°00'	46.70	16.69	35.45
76.20	275°00'	247°00'	40°00'	-50°00'	58.37	20.64	44.42
91.44	274°00'	246°00'	40°15'	-49°45'	70.03	24.59	53.38

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 500/6

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 - 20.73m		7		Most joints contain chlorite & carbonate e.g. 8.84, 12.24. Carbonate @ 16.47. Chlorite, Carbonate & sulphide @ 20.53.		94	64	Good core recovery. Hole collared in using NQ sized rods.
20.73 - 38.71		6		Carbonate & chlorite @ 21.80, 21.87. Chlorite @ 25.46m, 27.10m, 29.57m. Carbonate @ 38.71m.	47° @ 24.41 42° @ 29.14 46° @ 36.36	95	78	Excellent core recovery. Core is leached @ 29.57, 30.16, 30.38, 30.81 30.96, 31.10 34.40, and 34.86m.
38.71 - 63.09		4		Most joints in this interval contain carbonate & chlorite @ 51.76, 56.11, 53.44, 56.22 59.16 Chlorite & Sulphide @ 45.05m.		97	79	Excellent core recovery Fault @ 47.40 Fault contains carbonate & chlorite. Carbonate in fault [illegible]. leached. Rubble @ 43.81

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. Hole collared using NQ
   Rest of hole using BQ

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 500/6

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)
63.09 - 84.43		8		Most joints in adamellite contain clay. Chlorite @ 66.14, 72.40, 84.30m. Carbonate @ 67.15, 72.87 78.18	35° @ 74.34 40° @ 75.87	92	69	Good core recovery. Rubble @ 81.50, 73.71. Fault @ 81.0 Fault material is incompetent. Fractures filled with carbonate @ 65.80, 79.81, Carbonate & chlorite @ 76.48m.
84.43 - 93.57 E.O.H.		5		Most joints contain clay. Carbonate & chlorite @ 84.65m. Clinohumite @ 88.09 88.93, 91.40m.		96	65	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.

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 500/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 0.30	0.30	0.28	93
2.13	1.83	1.66	91
5.18	3.05	2.95	97
8.23	3.05	2.90	95
11.28	3.05	2.86	94
14.33	3.05	2.72	89
17.37	3.04	2.93	96
19.96	2.59	2.58	100
20.73	0.77	0.80	103
23.16	2.43	2.21	91
26.37	3.21	3.06	95
29.34	2.97	2.85	96
32.57	3.23	3.15	98
35.66	3.09	2.94	95
38.71	3.05	2.93	96
41.76	3.05	2.95	97
44.81	3.05	2.75	90
47.85	3.04	3.02	99
50.40	3.05	3.01	99
53.95	3.05	3.03	99
57.00	3.05	2.98	98
60.05	3.05	2.93	96
61.87	1.82	1.91	104
63.09	1.22	1.14	93
66.14	3.05	2.58	85
68.75	2.61	2.22	85
71.86	3.11	2.58	83
74.98	3.12	3.04	97
78.10	3.12	3. 03	97
81.38	3.28	3.16	96
84.43	3.05	2.97	97
87.47	3.04	2.96	97
90.52	3.05	3.01	99
93.57	3.05	2.83	93
E.O.H.			

GEOPEKO LIMITED - Bold Head Mine

ASSAY DATA

D.D.H. No. BH 500/6

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 1425	32	33	1.0	1.0	0.04	<0.01	
6	33	34	"	"	0.10	<0.01	
7	34	35	"	"	0.05	<0.01	
8	35	36	"	"	0.10	<0.01	
9	36	37	"	"	<0.01	<0.01	
30	37	38	"	"	0.07	<0.01	
1	72	73	"	"	0.39	<0.01	0.43% WO_3
2	73	74	"	"	0.46	<0.01	@ 2m.
3	74	75	"	"	<0.01	<0.01	
4	75	76	"	"	<0.01	<0.01	
5	76	77	"	"	0.36	<0.01	
6	77	78	"	"	0.06	<0.01	
7	78	79	"	"	0.10	<0.01	
8	79	80	"	"	0.01	<0.01	
9	80	81	"	"	<0.01	<0.01	
40	81	82	"	"	0.14	<0.01	
1	82	83	"	"	0.57	<0.01	3m @ 0.85
2	83	84	"	"	0.08	0.01	6m @ 0.55%
3	84	85	"	"	1.91	0.04	WO_3
BH 1444	85	86	1.0	1.0	0.06	<0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/6

0 - 19.76m BIOTITE HORNFELS

A very fine grained dark grey to black biotite hornfels with well developed spotting in the first seven metres.

Between 12.00 - 17.00 there are quite a few very narrow bands of pyroxene present in the core.
These bands are at anout 54° L.C.A. Minor aplite dykes are present between 1.23 - 1.35m, 4.81 - 5.32m, and 15.27 - 15.59m.

Minor faults are present at 16.43 & 17.37m.

19.76 - 37.92m BANDED BIOTITE PYROXENE HORNFELS

Initially this unit consists of a brown purple biotite hornfels with minor bands of pyroxene hornfels occurring in it. Some minor garnet bands occur usually within the pyroxene rich areas and often contain calcite rich cores.

The amountsof pyroxene and garnet bands increase to 32.57m.

From 32.57 - 37.92m there are quite large amounts of garnet present in large bands. The core here is more pyroxene rich than the above unit. Moderate scheelite is present in the garnet bands.

Banding is at 50° L.C.A. at 21.4m.
52° " @ 27.2m
54° " @ 32.1m
48° " @ 36.5m

37.92 - 64.47m LOWER VOLCANICS

Typical lower volcanics, dark brown in colour with well developed feldspar laths present throughout.

Between 43.35 - 43.77m there is a narrow quartz vein with some large feldspar crystals in it. A minor fault is present at 47.59m.

64.47 - 72.04m GRANITE DYKE

A course grained mica rich granite with large crystals of feldspar present throughout this unit.

The mafics are not regularly disposed throughout but occur as bands.

At 69.81m there is a narrow 4cm wide vein of calcite.

72.04 - 81.67m MINERALIZED MARBLE

Essentially a well banded grey marble with some bands replaced by pyroxene garnet hornfels.

Minor mineralization is present in the garnet rich bands. A probable fault zone occurs at 80.0m.

Banding is at 35° L.C.A. at 72.3m
42° " @ 74.8m
40° " @ 79.1m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 500/6

81.67 - 85.50m PYROXENE GARNET SKARN

A very disturbed unit of pyroxene garnet skarn with quite large amounts of calcite present in some pods.

Scheelite is present in varying amounts throughout.

85.50 - 93.57m BOLD HEAD ADAMELLITE

A fairly uniform unit of adamellite with well developed large feldspars present in it.

A clinohumite filled fracture is present at 91.42m.

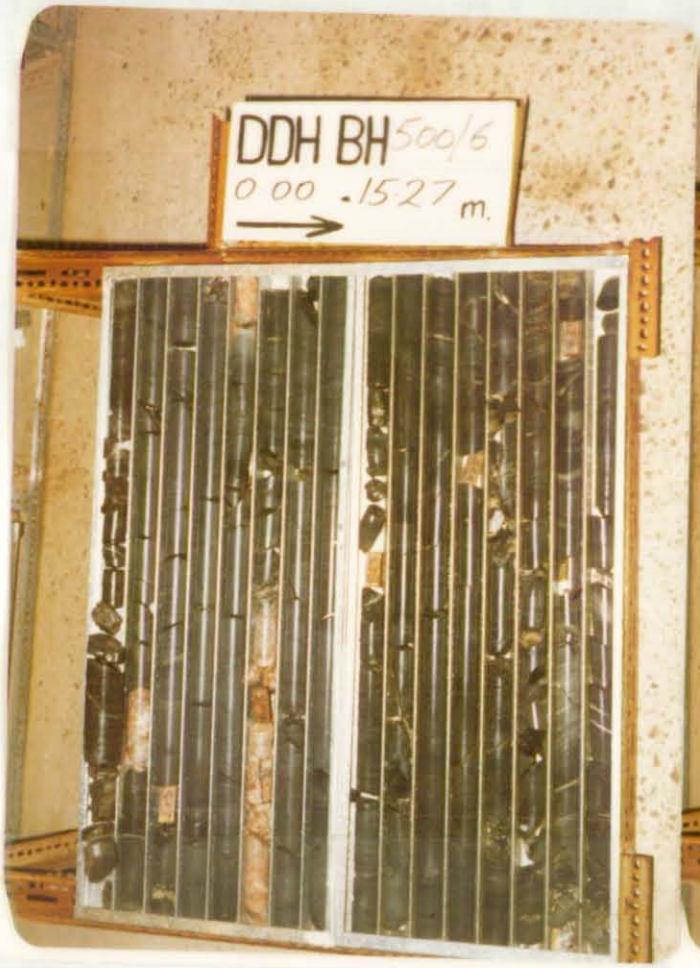
E.O.H.

GEOPEKO LIMITED - KING ISLAND

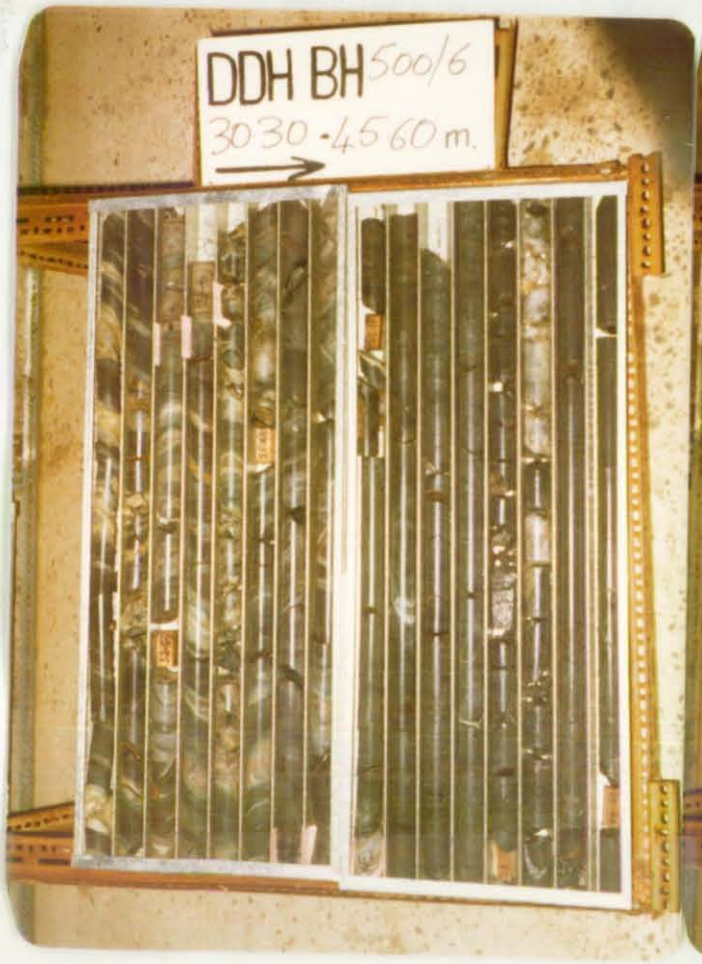
CHECK ASSAY DATA

D.D.H. B 500/6

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 1425	0.04	<0.01	BH 3514	0.01		BH 3515	0.046		BH 3516	0.044		
BH 1435	0.36	<0.01	BH 3517	0.45		BH 3518	0.46		BH 3519	0.40		


DDH BH 500/6
0 00 - 1527 m.

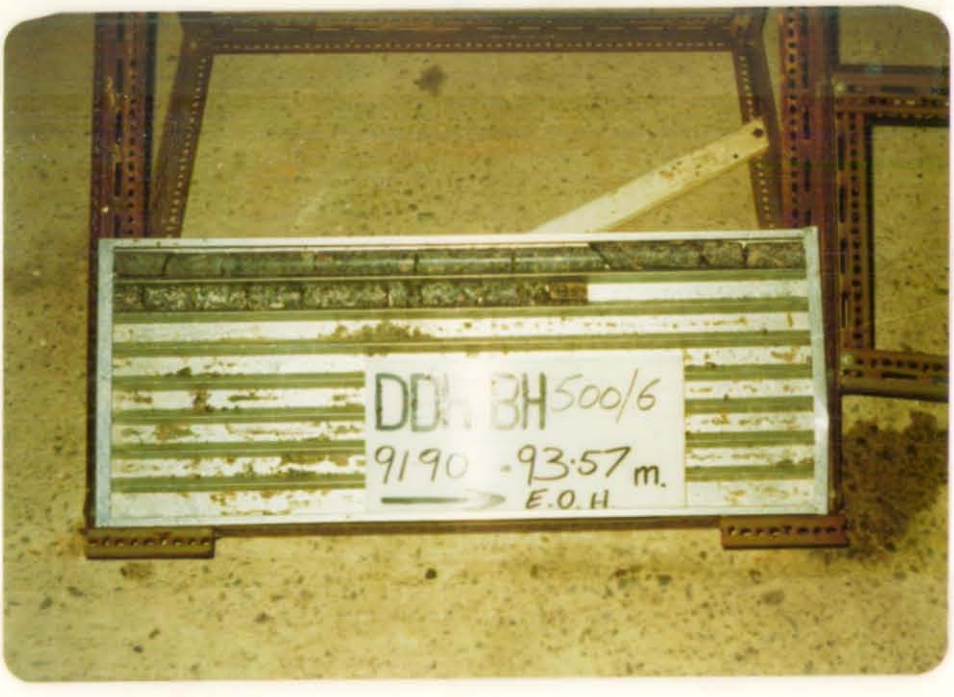

DDH BH 500/6
1527 - 3030 m.


DDH BH 500/6
3030 - 4560 m.


DDH BH 500/6
4560 - 6045 m.


DDH BH 500/6
6045 - 7648 m.


DDH BH 500/6
7648 - 9190 m.


DDH BH 500/6
9190 - 93.57 m.
E.O.H

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. B 500/5

PLANNING

Proposer: S.G. Brown — Depth: 150m

Location: A lens 10500 N cuddy H 48

Purpose of hole: Totest B lens at about 10360 E.

Co-ordinates: 10333 E 10500.0 N

Inclination: -78° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 268°00' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 331.4 E 10 499.8 N

R.L. of collar: 1028.0 Inclination of hole: -78°20'

Picked up by : R.J.H. Date: 25/7/75

SUMMARY

Logged by : S.G Brown.

Results:

65 -69m 4m @ 0.40% WO_3
95 - 100m 5m @ 0.40% WO_3
106 - 109m 3m @ 0.88% WO_3
141 - 143m 2m @ 0.99% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 14/7/75 Date terminated: 21/7/75

Casing: Size : Nil

Depth :

Core: Size : BQ

Depth : 148.12

Wedge Runoff:

Wedge placed: Nil Depth:

Proposed by : Approved by:

Reason:

Extension: Nil.

Reason for termination: Bold Head adanellite entered. Final depth: 148.12

Condition of hole on completion:

Casing : Nil.

Cemented : No.

Bore hole survey: Multishot camera.

Water: Minor.

Comments on drilling conditions: Good.

E

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 500/5

Survey method : Multishot camera

Final depth : 148.13

Casing depth : 3.05

Depth surveyed to : 95.10

Date surveyed : 14/7/75

Surveyed by : R.B.

Checked by : R.B.

DEPTH (m)	Bearing		Inclination		True Vertical Depth (m)	Co-oridinates	
	Grid	Mag.	Read	Corrected		S	W
		246					
15.24	274°	246°	12° 15'	-77°45'	14.90	1.33	2.90
30.48	281°	253°	12° 45'	-77°15'	29.77	2.42	6.08
45.72	283°	255°	13° 00'	-77°00'	44.61	3.38	9.36
60.96	284°	256°	13° 15'	-76°45'	59.46	4.23	12.69
76.20	285°	257°	13° 30'	-76°30'	74.29	5.05	16.12
91.44	285°	257°	13° 30'	-76°30'	89.11	5.85	19.59
106.68	285°	257°	13° 45'	-76°15'	103.91	6.67	23.11
121.92	285°	257°	13° 45'	-76°15'	118.70	7.49	26.65
137.16	285°	257°	13°45'	-76°15'	133.50	8.31	30.18
148.13	285°	257°	13° 45'	-76°15'1	144.16	8.91	32.71

REMARKS:

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

SUMMARY STRUCTURAL DATA

D.D.H. No. B 500/5

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 - 29.87	bh/ap/bh/ banded bph/	5	-	chlorite @ 3.60,6.90, 24.21. carbonate @ 12.78,13.92 carbonate and chlorite @ 20.80 23.50. Clay @ 9.09 clinohumite @ 12.78, 13.70, 13.92	62° @ 11.84 64° @ 22.12 68° @ 26.03	98	65	Excellent core recovery. Rubble core at collar of hole.
29.87 - 54.25	banded bph/ap/ lw/ ad	2	-	carbonate @ 37.75,42.66 carbonate, chlorite and sulphide @ 32.43 carbonate and chlorite @ 37.75,42.66 clay 54.00	57° @ 30.85	98	92	Excellent core recovery. Large fractures filled with chlorite up to 1cm thick occur at 40.30,33.40 and 52.46
54.25 - 84.73	ad/bi/ banded bph/g skarn/ch	4	-	there are numerous joints containing chlorite and carbonate eg @ 63.25,64.08	50° @ 62,80 57° @ 70,90 53° @ 82.14	98	81	Excellent core recovery. This interval of core contains numerous fractures filled with chlorite and

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

SUMMARY STRUCTURAL DATA

D.D.H. No. B 500/5

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)
				carbonate occurs @ 81.10,83.97 clay occurs @56.50,57.20				carbonate eg @ 68.28 71.75 and 79.80. Core is incompetent at 68.80,72.90, 73.55,77.90, 78.00and 79.80
84.73 - 109.12	ch/bph/ fault zone/ podded pg skarn/ fault zone/ podded bph/ g skarn.	3	-	Most joints in this interval contain carbonate-eg @ 97.53, 100.73 and 106.50 clinohumite occurs @ 92.66, 95.20 and 97.80	-	97	86	Excellent core recovery Faults occur @ 92.66 and 103.95 Ground in fault zones is badly broken and incompetent. Some large fractures occur in this interval. The fractures are up to 1cm wide and filled with carbonate. These occur@ 85.48,95.78, 96.50,97.34, 100.40,102.30, 102.58,103.30. Core is leached @ 108.50.

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

SUMMARY STRUCTURAL DATA

D.D.H. No. 500/5

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)
109.12 - 130.45	ch/g/ skarn/ banded bpgch.	4	-	Joints contain mainly carbonate and chlorite eg @ 111.84, 119.45 and 120.10 Carbonate occurs @ 115.81 and 116.50	64° @ 110.27 52° @ 114.50 65° @ 127.89	95	79	Good core recovery. Marble is slightly leached Fractures up to 1cm wide filled carbonate and chlorite occur @ 121.56, 123.80 and 124.00. Core is brecciated between 117.18 - 117.71
130.45 - 148.12 E.O.H.	banded bpgch/ad	7	-	chlorite @ 130.87,136.84 chlorite, carbonate and sulphide @ 132.45,139.40 clinohumite @ 143.16, 145.08 Most joints in adamellite contain clay.	-	95	69	Good core recovery. Core is incompetent @ 132.91,136.66, 136.85 and 137.08. Core is leached @ 136.55 and 137.22

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) $\pm = \frac{\text{length core } >10 \text{ cms}}{\text{length drilled}}$ %
3. Core size. BQ

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. B 500/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.65	3.65	3.40	93
5.48	1.83	1.82	99
7.01	1.53	1.46	95
8.53	1.52	1.51	99
10.36	1.83	1.78	97
10.91	0.55	0.54	98
14.63	3.72	3.61	97
17.68	3.05	2.97	97
20.72	3.04	3.04	100
23.77	3.05	3.02	99
26.82	3.05	2.96	97
29.87	3.05	3.05	100
32.92	3.05	3.02	99
35.96	3.04	2.94	97
39.01	3.05	3.03	99
42.06	3.05	2.96	97
45.11	3.05	3.00	98
48.16	3.05	3.05	100
49.68	1.52	1.49	98
51.21	1.53	1.50	98
54.25	3.04	2.94	97
57.30	3.05	3.00	98
60.35	3.05	3.06	100
63.40	3.05	2.94	96
66.45	3.05	3.03	99
69.04	2.59	2.36	91
71.02	1.98	1.83	92
72.54	1.52	1.51	99
75.59	3.05	3.06	100
78.64	3.05	2.98	98
81.69	3.05	3.01	99
84.73	3.04	3.05	100
87.78	3.05	2.97	97
90.83	3.05	3.03	99
92.66	1.83	1.68	92
93.88	1.22	1.22	100
96.93	3.05	2.99	98
99.97	3.04	2.95	97
103.02	3.05	3.04	100
106.07	3.05	2.79	91
109.12	3.05	2.93	96
112.17	3.05	2.67	88
115.21	3.04	2.83	93
118.26	3.05	2.78	91
121.31	3.05	2.96	97
124.26	3.05	3.06	100

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. B 500/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
127.40	3.04	3.04	100
130.45	3.05	2.90	95
133.50	3.05	3.00	98
136.55	3.05	2.98	98
139.60	3.05	2.85	93
142.65	3.05	3.00	98
145.69	3.04	2.86	94
148.12	2.43	2.13	88
E.O.H.			

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 500/5

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 1342	27	28	1.00	1.00	0.07	<0.01		
3	28	29	1.00	1.00	0.04	<0.01		
4	29	30	1.00	1.00	0.02	<0.01		
5	63	64	1.00	1.00	<0.01	<0.01		
6	64	65	1.00	1.00	0.11	<0.01		
7	65	66	1.00	1.00	0.37	<0.01		
8	66	67	1.00	1.00	0.45	<0.01	65 - 69m	4m @ 0.40% WO_3
9	67	68	1.00	1.00	0.49	<0.01		
50	68	69	1.00	1.00	0.26	<0.01		
1	69	70	1.00	1.00	0.06	<0.01		
2	77	78	1.00	1.00	0.16	<0.01		
3	78	79	1.00	1.00	0.11	<0.01		
4	79	80	1.00	1.00	0.38	<0.01		
5	80	81	1.00	1.00	<0.01	<0.01		
6	92	93	1.00	1.00	0.01	<0.01		
1357	93	94	1.00	1.00	0.35	<0.01		
8	94	95	1.00	1.00	0.17	<0.01		
9	95	96	1.00	1.00	0.39	<0.01		
60	96	97	1.00	1.00	0.38	<0.01		
1	97	98	1.00	1.00	0.58	<0.01		
2	98	99	1.00	1.00	0.28	<0.01	95 - 100m	5m @ 0.40% WO_3
3	99	100	1.00	1.00	0.34	<0.01		
4	100	101	1.00	1.00	0.12	<0.01		
5	101	102	1.00	1.00	0.14	<0.01		
6	102	103	1.00	1.00	0.30	<0.01		
7	103	104	1.00	1.00	0.13	<0.01		
8	104	105	1.00	1.00	<0.01	<0.01		
9	105	106	1.00	1.00	<0.01	<0.01		
70	106	107	1.00	1.00	0.35	<0.01		
1	107	108	1.00	1.00	1.11	0.02	106 - 109	3m @ 0.88% WO_3
2	108	109	1.00	1.00	1.19	0.01		
3	109	110	1.00	1.00	0.04	<0.01		
1374	117	118	1.00	1.00	<0.01	<0.01		
5	118	119	1.00	1.00	0.52	<0.01		
6	119	120	1.00	1.00	0.09	<0.01		
7	120	121	1.00	1.00	0.04	<0.01		
8	121	122	1.00	1.00	0.09	<0.01		
9	130	131	1.00	1.00	0.04	<0.01		
80	131	132	1.00	1.00	<0.01	<0.01		
1	132	133	1.00	1.00	<0.01	<0.01		
2	133	134	1.00	1.00	<0.01	<0.01		
3	134	135	1.00	1.00	0.30	<0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 500/5

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
4	135	136	1.00	1.00	0.43	<0.01		
5	136	137	1.00	1.00	0.24	<0.01		
6	140	141	1.00	1.00	0.08	<0.01		
7	141	142	1.00	1.00	1.17	<0.01	141 - 143m	2m @ 0.99% WO_3
1388	142	143	1.00	1.00	0.81	<0.01		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.B-500/5

A red brown mafic rich granitic dyke. Large whitish feldspar are present throughout and the ore variations in the mafic content over fairly large areas.

60.77m - 62.59m — LOWER VOLCANICS

As above 32.41m - 53.75m typical lower volcanics with large numbers of small feldspar laths present throughout.

62.59m - 64.40m — BANDED BIOTITE PYROXENE HORNFELS

A finely banded unit of biotite pyroxene hornfels with minor amounts of garnet and calcite bands.

64.40m - 68.82m — GARNET SKARN

'B' lens skarn, a banded garnet skarn with minor amounts of calcite and pyroxene present in it.
Banding is at 63° LCA at 65.8m.

68.82m - 86.13m — MARBLE

A grey - black recrystalised limestone with some zones of garnet present especially between 72.87m and 76.26m.
Between 78.76m and 79.81m there is a zone of mineralised marble with minor scheelite present in it.

86.13m - 92.66m — BIOTITE PYROXENE HORNFELS

A disturbed unit of banded biotite pyroxene hornfels. Minor amounts of garnet and pyroxene are also present in this unit and some aggregates of pyrrhotite are also apparent.

92.66m - 92.90m — FAULT ZONE

A zone of completely weathered and broken material. Some clinahumite is visible here. This may be the western fault.

92.90m - 103.96m — PODDED PYROXENE GARNET SKARN

An extremely disturbed and podded unit of pyroxene garnet hornfels with moderate amounts of scheelite irregularly scattered throughout.
This unit is much more pyroxene and calcite rich than the normal skarn.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 500/5

103.96m - 104.06m — FAULT ZONE

A zone of very broken core, quite a high content of clay is also present here.

104.06m - 106.07m — PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels with irregular pods of calcite scattered throughout. Some pyrrhotite and garnet are found in this unit.

106.07m - 109.11m — GARNET SKARN

A fine grained garnet skarn with minor amounts of pyroxene and calcite visible throughout.

Moderate amounts of finely dissemiated scheelite are present throughout this unit.

109.11m - 117.94m — MARBLE

A fine grained grey white marble initially well banded but much broken and disturbed below 116.5m.

This unit contains no garnet or pyroxene and is unmineralised.

117.94m - 119.32m — GARNET SKARN

A fine grained garnet skarn with moderate amounts of finely disseminated scheelite present throughout.

119.32m - 142.59m — BANDED BIOTITE PYROXENE GARNET CALCITE HORNFELS

Initially this unit is calcite rich but below 122.5 metres the constituent units are about equal.

Where the garnet bands occur scheelite is present.

The most noticable concentration being 120.92 - 121.71m, 130.45 - 131.30m, 134.16 - 136.55m and 141.18 - 142.59m.

Bedding is at 65° LCA at 128.0m
68° LCA at 130.8m
63° LCA at 139.65m

141.59m - 148.12m E.O.H. — BOLD HEAD ADAMELLITE

A weathered feldspar rich adamellite.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 500/5

Survey method	: Multishot camera	Depth surveyed to	: 95.10
Final depth	: 148.13	Date surveyed	: 14/7/75
Casing depth	: 3.05	Surveyed by	: R.B.
		Checked by	: R.B.

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137.16	285°	257°	13° 45'	-76° 15'	133.50	8.31	30.18
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REMARKS:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 500/5

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	
BH 1345	<0.01	<0.01	BH 3499	<0.01		BH 3500	0.020		BH 3501	0.016		
BH 1355	<0.01	<0.01	BH 3502	<0.01		BH 3503	0.019		BH 3504	0.010		
BH 1365	0.14	<0.01	BH 3505	0.27		BH 3506	0.255		BH 3507	0.20		
BH 1375	0.52	<0.01	BH 3508	0.51		BH 3509	0.57		BH 3510	0.50		
BH 1385	0.24	<0.01	BH 3511	0.43		BH 3512	0.53		BH 3513	0.45		


DDH BH 500/5
0.00 - 15.11 m.


DDH BH
30.39 m.


DDH BH 500/5
30.39 - 45.72 m.


DDH BH 500/5
45.72 - 60.75 m.


DDH BH 500/s
60.75 - 76.06 m.


DDH BH 500/s
76.06 - 91.55 m.


DDH BH 500/s
91.55 - 106.07 m.


DDH BH 500/s
106.07 - 122.83 m.


DDH BH 500/S
12283 - 13798 m.
DDH BH 500/S
13798 - 14812 m.
E.O.H.