GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 605/5

PLANNING

PROPOSER: J. M. Clark DEPTH:

LOCATION: R60 drive

PURPOSE OF HOLE: test for ore in floor of drive

CO-ORDS: 40373 E 10605 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: 40378.4 E 10603.8 N

R.L. OF COLLAR: 924.1

INCLINATION OF HOLE:

PICKED UP BY: B. Lennon DATE: 23-11-78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-2m, 2m at 0.51% WO_3, <0.01% Mo

DRILLING

DATE COMMENCED: 14-11-78 DATE TERMINATED:

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 4.8m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 4.8m

REASON FOR TERMINATION: In unmineralized banded footwall beds.

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/5

0.0 - 1.30 m

GARNET HORNFELS

Fine grained andradite hornfels, also containing grossular pyroxene and calcite. Calcite veins are present. Scheelite is very fine grained.

Fractures/M	=	15
Recovery	=	100%

1.30 - 4.80 m

BANDED FOOTWALL BEDS

Interbedded pyroxene and grossular hornfels, with lesser amounts of marble and andradite hornfels. Fine to medium grained scheelite is present in some of the andradite rich beds, the longest intersections being 1.4 - 1.45 m and L65 - 1.7 m.

Bedding is 60° to core axis.

Fractures/M	=	10
Recovery	=	100%

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 605/5

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TC	Length	Length Recovered	WO_3	Mo		
BH 6761	0	1	1.0	1.0	0.43	0.01		
62	1	2	"	"	0.62	0.01		
63	2	3	"	"	0.27	0.01		
64	3	4	"	"	0.15	0.01		
65	4	4.8	0.8	0.8	0.07	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 605/5

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	
6763	0.27	0.01	7425	0.24	<0.01	7426	0.250		7427	0.21		


DDH BH605/5
0.00 — 4.80 m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 605/4

PLANNING

PROPOSER: J. Clark DEPTH: 5

LOCATION: R 60 Drive

PURPOSE OF HOLE: Test for Ore in Floor

CO-ORDS: 40397 E 10605 N

INCLINATION: Vertically Down

BEARING: °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40397.8 E 10603.9 N

R.L. OF COLLAR: 924.0

INCLINATION OF HOLE: -90°

PICKED UP BY: B. Lennon DATE: 23/11/78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: Minor Garnet Hornfels In Floor.

DRILLING

DATE COMMENCED: 13/11/78 DATE TERMINATED: 14/11/78

DRILLER/CONTRACTOR: KIS

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 5.1m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 5.10m

REASON FOR TERMINATION: In Unmineralised Banded Footwall Beds

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 605/4

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6758	0	1	1.0	1.0	6.0	0.03		
59	1	2	"	"	0.07	<0.01		
60	2	3	"	"	0.03	<0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/4

0.00 - 0.90 m

GARNET HORNFELS

Contains fine grained andradite with pyroxene, grossular and calcite. From 0.0 - 0.45 m, the unit contains thickly disseminated fine grained scheelite with medium grained scheelite where there is dark coarse grained amphibole. At 0.80m there is a 2 cm wide vein of scheelite. Elsewhere in this unit there is only minor scheelite.

Fractures/m = 12
Recovery = 100%

0.90 - 5.10 m

BANDED FOOTWALL BEDS

Interbedded pyroxene and biotite hornfels with minor garnet hornfels near the top of the unit. Scheelite is not present.

A small aplite dyke is present at 4.9 m.

Bedding in 62° to core axis.

Fractures/m = 8
Recovery = 100%


DDH BH605/4.
0.00 — 5.10 m.

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 605/3

PLANNING

PROPOSER: J. M. Clark DEPTH: 5

LOCATION: R60E

PURPOSE OF HOLE: To test for ore in floor

CO-ORDS: 40390 E 10605 N

INCLINATION: Vertically down

BEARING: °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40387.7 E 10603.3 N

R.L. OF COLLAR: 924.1

INCLINATION OF HOLE:

PICKED UP BY: B. Lennon DATE: 13-11-78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-2 m, 2m at 0.59% WO_3, 0.01% Mo

DRILLING

DATE COMMENCED: 9-11-78 DATE TERMINATED: 13-11-78

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 6.6m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 6.60m

REASON FOR TERMINATION: In unmineralized banded footwall beds.

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 605/3

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6755	0	1	1.0	1.0	0.88	<0.01		
56	1	2	"	"	0.31	<0.01		
57	2	3	"	"	0.23	<0.01		

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

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/3

0.00 - 0.80 m

GARNET HORNFELS

Contains fine grained andradite garnet with lesser grossular, pyroxene and calcite. Small calcite veins are present. Scheelite occurs as thickly disseminated, very fine grains.

Fractures/M = 20
Recovery = 95%

0.80 - 6.60 m

BANDED FOOTWALL BEDS

Interbedded biotite and pyroxene hornfels, with lesser amounts of marble. Garnet hornfels beds are more common towards the top of the unit but contain only minor scheelite.

Minor broken core is present at 3.2 m.

Bedding is 62° to core axis.

Fractures/M = 5
Recovery = 100%

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 605/3

PLANNING

PROPOSER: J. M. Clark DEPTH: 5

LOCATION: R60@

PURPOSE OF HOLE: To test for ore in floor

CO-ORDS: 40390 E 10605 N

INCLINATION: Vertically down

BEARING: °GRID °MAG

TARGET: E N

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40387.7 E 10603.3 N

R.L. OF COLLAR: 924.1

INCLINATION OF HOLE:

PICKED UP BY: B. Lennon DATE: 13-11-78

SUMMARY

LOGGED BY: J. M. Clark

RESULTS: 0-2 m, 2m at 0.59% WO_3, 0.01% Mo

DRILLING

DATE COMMENCED: 9-11-78 DATE TERMINATED: 13-11-78

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 6.6m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 6.60m

REASON FOR TERMINATION: In unmineralized banded footwall beds.

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 605/3

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6755	0	1	1.0	1.0	0.88	<0.01		
56	1	2	"	"	0.31	<0.01		
57	2	3	"	"	0.23	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/3

0.00 - 0.80 m

GARNET HORNFELS

Contains fine grained andradite garnet with lesser grossular, pyroxene and calcite. Small calcite veins are present. Scheelite occurs as thickly disseminated, very fine grains.

Fractures/M = 20
Recovery = 95%

0.80 - 6.60 m

BANDED FOOTWALL BEDS

Interbedded biotite and pyroxene hornfels, with lesser amounts of marble. Garnet hornfels beds are more common towards the top of the unit but contain only minor scheelite.

Minor broken core is present at 3.2 m.

Bedding is 62° to core axis.

Fractures/M = 5
Recovery = 100%

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 605/3

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	
6756	0.31	<0.01	8192	0.21	<0.01	81930	0.350		8194	0.27		


DDH BH 605/3
E 0.H
0.00 — 6.60 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO BH 605/2

PLANNING

Proposer: S.G. Brown — Depth: 10m

Location: K 58 drive.

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

Co-ordinates: 10318 E 10603 N
Inclination: +75°
Bearing — Grid — Magnetic:
Target: — E — Target Depth: — N
Approved by: M.C. Rogers — Date: 29/4/76

SURVEY

Survey Co-ords: — E — N
Survey bearing: 273°28' Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 10 318.43 E 10 603.36 — N
R.L. of Collar: 994.12 — Inclination of Hole: +74°57'
Picked up by: J. Cook — Date: 4/5/76

SUMMARY

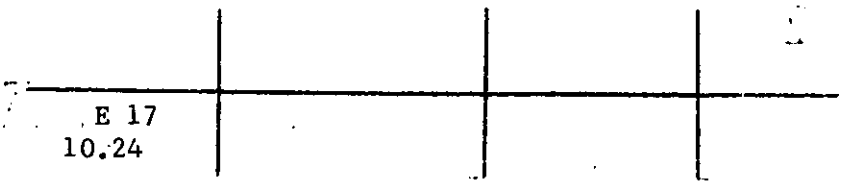
Logged by: R. van den Bogaart
Results: 4.0 - 6.0, 2m @ 0.52% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: — Date terminated:

Casing: Size:
Depth:
Core: Size:
Depth: E 17
10.24



Wedge Runoff:
Wedge placed: Nil — Depth: ~~10.24~~
Proposed by: — Approved by:
Reason:

Extension: Nil
Reason for termination: Entered aplite

Condition of hole on completion: — Final depth: 10.24
Casing: Nil
Cemented: No
Bore hole survey: No
Water: Yes

Comments on drilling conditions: Good

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 605/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 1.31	1.31	1.30	99
2.51	1.20	1.14	95
3.95	1.44	1.50	104
5.33	1.38	1.48	107
6.93	1.60	1.51	94
8.38	1.45	1.44	99
8.75	0.37	0.33	89
10.24	1.49	1.42	95
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 605/2

Survey Depth:
Final Depth :
Casing depth:

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

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
		NOT SURVEYED					
				+74° 57'		10318.43	10603.36

REMARKS:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 605/2

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 2714	0.00	1.0	1.0	1.0	0.01	<0.01	
5	1.0	2.0	1.0	1.0	0.02	<0.01	
6	2.0	3.0	1.0	1.0	0.18	<0.01	
7	3.0	4.0	1.0	1.0	<0.01	<0.01	
8	4.0	5.0	1.0	1.0	0.57	<0.01	4.0 - 6.0m, 2m @ 0.52% WO_3
9	5.0	6.0	1.0	1.0	0.47	<0.01	
2720	6.0	7.0	1.0	1.0	0.20	<0.01	
1	7.0	8.0	1.0	1.0	0.08	<0.01	
2722	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 605/2

0 - 1.88 PYROXENE/GARNET HORNFELS

A disturbed fine grained unit containing variable pyroxene and garnet. The first 12cm of this unit is carbonate rich. Garnet content increases between 1.10 to 1.88m. Scheelite is associated with the garnet rich areas, but is not expected to reach ore grade. Some remnant bedding is noted in this unit.

Bedding is at ≃57° LCA @ 0.05m
≃76° LCA @ 1.13m

1.88 - 2.37 MARBLE

A disturbed fine grained greyish - white marble with irregular areas rich in pyroxene and garnet. Fine grained scheelite is associated with the pyroxene and garnet rich areas, but is not expected to reach grade.

Bedding is at ≃74° LCA @ 2.0m
≃67° LCA @ 2.23

2.37 - 4.13 PYROXENE GARNET HORNFELS

A fine grained greenish - brown unit of pyroxene garnet hornfels. The unit has variable carbonate content in the groundmass. The unit contains some scheelite mineralisation but is not expected to reach ore grade.

4.13 - 6.87 GARNET SKARN:-

A greenish - brown coloured Garnet Hornfels, containing garnet, pyroxene and variable carbonate in the groundmass. The unit contains minor bands of carbonate between 5.02 - 5.10 and 5.29 - 5.41; and pyroxene at 6.59m. The unit contains finely disseminated scheelite throughout and is expected to reach grade between 4.34 - 6.36m.

6.87 - 8.51 MINERALISED MARBLE

A recrystallised greyish - white unit of marble showing remnant bedding. The unit contains minor bands of garnet hornfels and biotite pyroxene hornfels. Finely disseminated scheelite is confined to the garnet hornfels, but is not expected to reach grade.

Bedding is at ≃82° LCA @ 7.97m
≃78° LCA @ 8.47m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/2

8.51 - 8.91 BIOTITE PYROXENE HORNFELS

A typical unit of biotite pyroxene hornfels with a minor band of garnet hornfels at 8.75m.

8.91 - 10.24 APLITE

A biotite rich, medium grained aplite. The aplite contains some large phenocrysts of feldspar. The unit is barren of scheelite mineralisation.

E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B) 605/2

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 2720	0.20	<0.01	BH 3257	0.29		BH 3258	0.365		BH 3259	0.33		

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 605/1

PLANNING

Proposer: S.G. Brown — Depth: 15m

Location: K 58 drive

Purpose of hole: To test 'B' lens West

Co-ordinates: 10318 E 10603 N
Inclination: +35°
Bearing 270° Grid — Magnetic:
Target: E — Target Depth:
Approved by: M.C. Rogers — N — Date: 28/4/76

SURVEY

Survey Co-ords: E — N
Survey bearing: 271°19' Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 10 318.38 E 10 603.32 — N
R.L. of Collar: 993.93 — Inclination of Hole: +34° 43'
Picked up by: J. Cook — Date: 4/5/76

SUMMARY

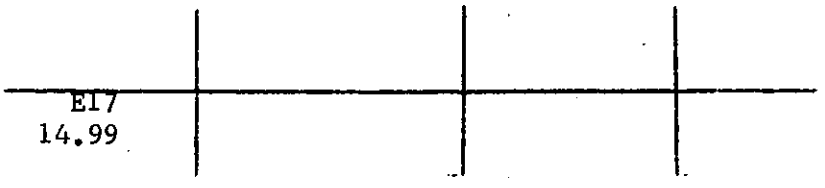
Logged by: S.G. Brown
Results: 4.0 - 7.0m, 3m @ 0.37% WO_3
10.0 - 13.0m, 3m @ 0.66% WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: 26/4/76 — Date terminated: 30/4/76

Casing: Size:
Depth:
Core: Size: EIZ
Depth: 14.99



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

Extension: Nil

Reason for termination: above 'B' lens West

Condition of hole on completion: — Final depth: 14.99
Casing: Nil
Cemented: No

Bore hole survey: Acid tube

Water: Nil

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 605/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH							
2705	4.0	5.0	1.0	1.0	0.25	0.01	4.0 - 7.0m,
6	5.0	6.0	1.0	1.0	0.33	0.01	3m @ 0.37% WO_3
7	6.0	7.0	1.0	1.0	0.54	0.02	
8	7.0	8.0	1.0	1.0	0.11	0.01	
9	8.0	9.0	1.0	1.0	<0.01	<0.01	
2710	9.0	10.0	1.0	1.0	0.16	0.01	
1	10.0	11.0	1.0	1.0	0.37	0.01	10.0 - 13.0m,
2	11.0	12.0	1.0	1.0	0.30	0.02	3m @ 0.66% WO_3
3	12.0	13.0	1.0	1.0	1.30	0.09	

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 605/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.53	1.53	1.32	86.27%
1.53 - 2.06	0.53	0.51	96.23%
2.06 - 2.75	0.69	0.71	102.90%
2.75 - 3.64	0.89	0.88	98.88%
3.64 - 5.14	1.50	1.51	100.67%
5.14 - 6.36	1.22	1.19	97.54%
6.36 - 7.96	1.60	1.36	85.0%
7.96 - 9.37	1.41	1.39	98.58%
9.37 - 10.67	1.30	1.29	99.23%
10.67 - 12.21	1.54	1.52	98.70%
12.21 - 13.89	1.68	1.53	91.07%
13.89 - 14.99	1.10	1.16	105.45%

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 605/1

Survey method: Acid tube

Final Depth : 14:99

Casing depth: Nil

Depth surveyed to: 14.99

Date surveyed : 3/5/76

Surveyed by: G. Scott-Smith

Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical depth	Co-ordinates	
	Grid	Mag.	Read	Corrected		E	N
14.99			+41°00'	+34°30'	8.49	1031.38	10603.32

REMARKS:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/1

0.00 - 2.70 MARBLE

A light grey - green marble. The green colour is due to pyroxene in the core.

Some minor garnet is present in this unit with minor scheelite present in the garnet bands.

2.70 - 2.75 FAULT ZONE

A small zone of broken marble.

2.75 - 3.64 MARBLE

A grey - black recrystalized marble with well developed bedding present throughout.

Bedding is at 43° LCA @ 2.90m.

3.64 - 6.91 MINERALISED MARBLE

A disturbed marble with large amounts of pyroxene and garnet present throughout. Bedding is completely lacking and the garnet occurs as irregular shaped pods.

The last 50cmare good garnet skarn and contain high grade mineralisation while only moderate scheelite mineralisation is present throughout the rest of the horizon.

6.91 - 9.86 MARBLE

A dark grey recrystalized marble with well developed bedding present throughout. This unit is barren of scheelite mineralisation.

Bedding at 8.0m is @ 32° LCA.

9.86 - 13.14m BANDED GARNET SKARN

B lens skarn consisting of garnet hornfels with minor marble bands present between 9.86 and 11.50m and minor biotite/pyroxene hornfels bands present between 11.50 - 13.14m.

Mineralisation is erratic being high in the garnet bands and low to zero in the others. The overall grade of the bands increases to 13.00m.

Bedding is at 38° LCA at 10.70m
47° LCA at 12.00m
47° LCA at 13.05m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 605/1

13.14m - 14.62m BANDED BIOTITE PYROXENE HORNFELS

A finely banded unit of biotite pyroxene hornfels with occasional thin garnet bands present over the first 50cm.

Bedding is present at 35° LCA at 14.06m.

14.62 - 14.99 APLITE

A biotite rich aplite quite weathered in appearance.

14.99 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. R 605/1

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 2710	0.16	0.01	BH 3215	0.14		BH 3216	0.205		BH 3217	0.20		


DDH BH 605/1
000 - 14.99 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 600/13

PLANNING

Proposer: S. G. Brown — Depth: 75 m

Location: K 59 Drive

Purpose of hole: To test C_1 & C_2 W

Co-ordinates:	40340.0	E	10600N	N
Inclination:	-73°			Magnetic:
Bearing	270°	Grid		Target Depth:
Target:		E		N
Approved by:	M.C.R.			Date: 3-9-77

SURVEY

Survey Co-ords:		E		N
Survey bearing:	265° 51'	Grid		Magnetic:
Surveyed in by:				Date:
Actual Co-ords:	40 339.24	E	10 600.24	N
R.L. of Collar:	993.21			Inclination of Hole: -71° 55'
Picked up by:	J. Cook			Date: 21-9-77

SUMMARY

Logged by: D. Cowan

Results: 0 - 3 m, 3 m @ 0.55% WO_3 37 - 40 m, 3 m @ 1.15% WO_3
43 -48 m, 5 m @ 0.71% WO_3 54 - 57 m, 3 m @ 0.37% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 15-9-77 Date terminated: 23-9-77

Casing:	Size:	
	Depth:	
Core:	Size:	46 TT
	Depth:	62.70

Wedge Runoff:

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

Extension: Nil

Reason for termination: Entered Adamellite

Condition of hole on completion: Final depth: 62.70

Casing:	Nil
Cemented:	No
Bore hole survey:	Multishot
Water:	None

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B 600/13

Survey method: Multishot Camera

Final depth : 62.70 m

Casing depth : 1 m

Depth surveyed to: 62.70 m

Date surveyed: 23-9-77

Surveyed by : D. Cowan

Checked by : G. Brown

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		S	W
18	268	240	19	-71	17.02	2.96	5.06
36	270	242	18	-72	34.09	5.66	10.08
62.7	269	241	19	-71	59.44	9.69	17.44

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 600/13

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.0	3.0	3.12	104
3.0 - 5.7	2.7	2.69	100
5.7 - 8.9	3.2	3.09	97
8.9 - 11.9	3.0	3.04	101
11.9 - 14.9	3.0	3.00	100
14.9 - 17.9	3.0	3.03	101
17.9 - 20.5	2.6	2.53	97
20.5 - 23.1	2.6	2.56	98
23.1 - 24.8	1.7	1.72	101
24.8 - 26.8	2.0	1.97	99
?26.8 - 29.0	2.2	2.66	121
29.0 - 32.0	3.0	3.02	101
32.0 - 34.7	2.7	2.55	94
34.7 - 37.4	2.7	2.67	99
37.4 - 40.4	3.0	3.02	101
40.4 - 43.4	3.0	3.08	103
43.4 - 46.4	3.0	2.87	96
46.4 - 49.4	3.0	3.07	102
49.4 - 52.2	2.8	2.83	101
52.2 - 53.7	1.5	1.50	100
53.7 - 56.7	3.0	3.00	100
56.7 - 59.7	3.0	3.02	101
59.7 - 62.7 EOH	3.0	2.95	98

GEOPEKO LIMITED - King Island

ASSAY DATA

D.D.H. No. B 600/13

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH 5323	0	1	1.0	1.0	0.90	0.05	3 m	↓
4	1	2	"	"	0.28	0.01	@	
5	2	3	"	"	0.46	0.02	0.55%	WO_3 ↑
6	3	4	"	"	0.14	<0.01		
7	4	5	"	"	<0.01	<0.01		
BH 5328	36	37	"	"	0.11	<0.01		
9	37	38	"	"	0.47	0.01	3 m	↓
30	38	39	"	"	0.64	0.01	@	
1	39	40	"	"	2.36	0.07	1015%	WO_3 ↑
2	40	41	"	"	0.15	<0.01		
3	41	42	"	"	<0.01	<0.01		
4	42	43	"	"	0.13	<0.01		
5	43	44	"	"	0.33	0.01		↓
6	44	45	"	"	0.71	0.02	5 m	
7	45	46	"	"	1.54	0.05	@	
8	46	47	"	"	0.57	0.02	0.71%	WO_3 ↑
9	47	48	"	"	0.39	0.01		
40	48	49	"	"	0.10	<0.01		
1	49	50	"	"	0.25	0.01		
2	50	51	"	"	0.32	0.01		
3	51	52	"	"	0.17	0.01		
4	52	53	"	"	0.28	0.01		
5	53	54	"	"	<0.01	<0.01		
6	54	55	"	"	0.35	<0.01	3 m	↓
7	55	56	"	"	0.32	0.03	@	
8	56	57	"	"	0.44	0.03	0.37%	WO_3 ↑
9	57	58	"	"	0.17	<0.01		
BH 5350	58	59	"	"	0.39	0.20		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 600/13

0 - 3.00

Garnet - Pyroxene Skarn

Contains probable ore grade scheelite between 0 - 1.59 m.

3.00 - 15.46

Marble

Well banded, fine - grained grey marble. Non - ore grade scheelite occurs between
3.32 - 3.44 m
4.17 - 4.32 m
13.48 - 13.94 m

In all the above cases the scheelite is associated with small garnet - pyroxene rich patches in the marble.

Bedding 55^{o} LCA at 4.11 m
55^{o} LCA at 5.32 m
56^{o} LCA at 6.08 m
57^{o} LCA at 7.57 m
65^{o} LCA at 7.90 m

Below 8.70 the marble becomes more homogenous and bedding is weak to not visible. This section also has a greater abundance of calcite - filled veins.

15.46 - 33.14

Biotite - Pyroxene Hornfels

Dark from, fine - grained bph between 15.46 - 16.41 the bph contains very fine discontinuous laminations and also large (up to 4cm diameter) silica - rich pods. The laminations can be seen to bend around the pods.

Between 16.41 - 20.50 the bph is fairly homogenous. Silica pods occur down to 18.03 metres.

Between 20.50 - 22.63 the bph is again very finely laminated

Bedding 75^{o} LCA at 22.40

Between 22.63 - 33.14

The bph varies from well - banded to fairly homogenous to disturbed.

Between 23.35 - 23.41 a small, well - defined intraformational breccia can be seen.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 600/13

Large, roughly rectangular (up to 3cm long edge) pods of calcite are present from 30.23 - 33.14 m. However the smaller silica - rich pods which are usually present in the bottom of this bph unit were not observed.

Possible faults occur between:
19.10 - 19.28; sheared & broken core
24.70 - 24.91; fault breccia and clay
31.60 - 31.90; broken sheared & broken core

Bedding 68^{o} LCA at 22.72
65^{o} LCA at 24.25
62^{o} LCA at 29.05

33.14 - 34.19 Fault Breccia

Sheared and broken core with some associated clay.

34.19 - 36.74 Podded pyroxene - calcite hornfels

A distinctive greenish coloured unit containing large (up to 4cm diameter) calcite pods set in a fine - grained pyroxene - rich groundmass.

36.74 - 53.46 Garnet - Pyroxene Hornfels

Podded pgh. Garnet is predominantly grossularite. Scheelite mineralization is fairly weak throughout and probably only reaches ore grade between:

38.32 - 39.32
44.05 - 44.34
45.34 - 46.13

53.46 - 53.90 Biotite Pyroxene Hornfels

A narrow band of barren bph. This marker horizon is not as clearly represented as it is in most holes. Some leaching is evident towards the bottom of the unit.

53.90 - 57.01 Garnet - Pyroxene Skarn.

A good andradite skarn containing probable ore - grade scheelite throughout.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 600/13

57.01 - 62.70 EOH Adamellite

Typical adamellite with large pink K - felspar laths. Contains considerable molybdenum between:

58.00 - 58.30m.

D. Cowan


DDH BH 600/13
00.00 – 14.90 m.


DDH BH 600/13
14.90 – 29.22 m.


DDH BH 600/13
29.22 – 43.90 m.


DDH BH 600/13
43.90 – 59.07 m.


DDH BH 600/13
59.07 – 62.70 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/12

PLANNING

Proposer: S.G. Brown — Depth: 16m

Location: K58 drive

Purpose of hole: To locate granite contact.

Co-ordinates:	40310	E	10603	N
Inclination:	-34°			Magnetic
Bearing:	270°	Grid		Target depth:
Target:		E		N
Approved by:	M.C. Rogers			Date: 24/6/77

SURVEY

Survey Co-ords:	40305.8	E	10605.2	N
Survey bearing:	270°	Grid		Magnetic
Surveyed in by:	S.G.B.			Date:
Actual Co-ords:	approx	E	approx	N
R.L. of collar:	40305.8		10605.2	Inclination of hole:
Picked up by :				Date:

SUMMARY

Logged by : S.G. Brown

Results: No ore grade mineralisation intersected.

DRILLING

Driller/Contractor: K.I.S.

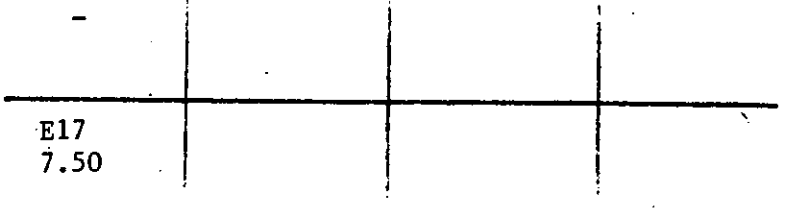
Date commenced: 18/6/77 — Date terminated: 19/6/77

Casing: Size : -

Depth :

Core: Size : E17

Depth : 7.50



Wedge Runoff:

Wedge placed: No — Depth:

Proposed by : — Approved by:

Reason:

Extension: No

Reason for termination: Entered adamellite — Final depth: 7.50m

Condition of hole on completion:

Casing : Nil

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. BH 600/12

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/12

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.5	1.5	1.43	95
2.7	1.2	1.23	102
4.5	1.8	1.79	99
EOH 7.5	3.0	2.81	94

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 600/12

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
B4909	0.5	1.5	1.0	1.0	0.31	0.01		
4910	1.5	2.5	1.0	1.0	0.27	0.01		
4911	2.5	3.5	1.0	1.0	0.15	< 0.01		
4912	3.5	4.5	1.0	1.0	0.24	< 0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/12

0.00 - 4.50m — MINERALISED MARBLE

This unit consists of a marble unit with irregular patches of pyroxene skarn present through out. Some garnet is also present but this is only visible in minor amounts.

Moderate grade scheelite is present through out both as areas with large amounts of finely disseminated scheelite and also as large ~~duerite~~ discrete crystals.

4.50 - 7.50m — ADAMELLITE
EOH

Typical Bold Head adamellite rich in biotite and with large pink and white feldspar laths present throughout.

The core is leached and puggy between 5.26 - 5.43m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/11

PLANNING

Proposer: S.G. Brown — Depth: 10m

Location: K58 Drive

Purpose of hole: To locate granite contact

Co-ordinates: 40310 E 10603 N

Inclination: -2^{o} Magnetic

Bearing: 270 Grid Target depth:

Target: E N

Approved by: M.C. ROGERS Date: 24/6/77

SURVEY

Survey Co-ords: 40305.8 E 10605.2 N

Survey bearing: 270 Grid Magnetic

Surveyed in by: S.G.B. Date:

Actual Co-ords: (approx 40305.8) E (approx 10605.2) N

R.L. of collar: Inclination of hole:

Picked up by : Date:

SUMMARY

Logged by : S.G. BROWN

Results: No ore grade mineralisation intersected.

DRILLING

Driller/Contractor: K.I.S.

Date commenced: 16/6/77 Date terminated: 18/6/77

Casing: Size : -

Depth :

Core: Size : E17

Depth : 7.50

Wedge Runoff:

Wedge placed: - Depth:

Proposed by : Approved by:

Reason:

Extension:

Reason for termination: entered adamellite Final depth: 7.50

Condition of hole on completion:

Casing : no

Cemented : no

Bore hole survey: no

Water: no

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B/H 600/11

Survey method:

Final depth :

Casing depth :

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/11

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.30	2.30	2.10	91
4.30	2.00	1.92	96
6.90	2.60	2.55	98
7.50	0.60	0.56	93
EOH			

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 600/11

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
			NOT	SPLIT				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/11

0.0 - 2.06m	MINERALISED MARBLE

A unit of grey marble with some pyroxene present through out.

The last 30cm contain moderate amounts of garnet with some associated scheelite mineralisation.

2.06 - 7.50m E.O.H.	ADAMELLITE

A typical section of adamellite with its relatively high biotite content and its large pink and white feldspar laths.


DDH BH 600/11 & 12
00·00 – 7·50m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. ~~BH 600~~/10

PLANNING

Proposer: R. Van den Bogaart — Depth: 10m

Location: E53 B lens West

Purpose of hole: Test B lens West

Co-ordinates: 40312 E 10600 N
Inclination: -90 — Magnetic:
Bearing 360° Grid — Target Depth:
Target: E N
Approved by: M.J. DANIELSON — Date: 21/5/77

SURVEY

Survey Co-ords: 40311.45 E 10 601.50 N
Survey bearing: Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 40311.45 E 10601.50 N
R.L. of Collar: 999.64 — Inclination of Hole: -90°
Picked up by: A. Grigulis — Date: 1/6/77

SUMMARY

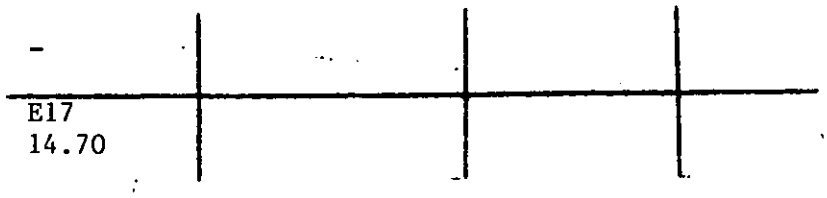
Logged by: R. Van den Bogaart
Results: 2.0 m - 4.0m 2m @ 0.30% WO_3

DRILLING

Driller/Contractor: K.I.S.

Date commenced: 23.5.77 — Date terminated: 23.5.77

Casing: Size: -
Depth:
Core: Size: E17
Depth: 14.70



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

Extension: Nil
Reason for termination: In barren marble

Condition of hole on completion: — Final depth: 14.70
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. BH 600/10

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/10

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.70	2.70	2.48	92
5.70	3.0	2.94	98
7.20	1.50	1.52	101
9.20	2.0	1.95	98
11.70	2.50	2.54	102
13.20	1.50	1.52	101
14.70	1.50	1.52	101

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/10

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH4633	0.0	1.0	1.0	1.0	0.04	<0.01		
4	1.0	2.0	1.0	1.0	<0.01	<0.01		
5	2.0	3.0	1.0	1.0	0.27	<0.01		
6	3.0	4.0	1.0	1.0	0.33	<0.01		
7	4.0	5.0	1.0	1.0	<0.01	<0.01		
4638	7.0	8.0	1.0	1.0	0.15	<0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/10

0.0 - 3.95 MINERALISED MARBLE

A unit of mineralised marble containing patches and bands rich in pyroxene, grossularite andradite, and barren marble. The unit contains erratic scheelite mineralisation, associated with the grossularite, andradite, pyroxene rich areas. The unit is probably sub-grade. Some remnant bedding may be noted. Remnant Bedding is at 72^{o} LCA at 1.55m.
74^{o} LCA at 2.0m .

3.95 - 14.70 MARBLE

A well bedded grey coloured, unit of marble. The unit is pyroxene rich between 7.20 - 7.95 and contain minor scheelite mineralisation.
Bedding is at 79^{o} L.C.A. at 5.70
37^{o} L.C.A. at 10.20
12^{o} L.C.A. at 12.90

A calcite filled fracture 14^{o} LCA occurs at 12.55m.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 600/10 .

LAB.	K.I.S.		LAB. K.I.S.			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 4636	0.33	<0.01	4401	0.28		4402	0.33		4403	0.33		


DDH BH 600/10
0·0 - 14·70m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO.BH 600/9

PLANNING

Proposer: R. Van den Bogaart — **Depth:** 15

Location: E 53

Purpose of hole: Test B lens West

Co-ordinates: 40311 E 10600 N
Inclination: +90° **Magnetic:**
Bearing 360° Grid **Target Depth:**
Target: E N
Approved by: M.J. DANIELSON **Date:** 20/5/77

SURVEY

Survey Co-ords: 40 311.37 E 10 601.38 N
Survey bearing: Grid **Magnetic:**
Surveyed in by: **Date:**
Actual Co-ords: E N
R.L. of Collar: 1001.80 **Inclination of Hole:** +90°
Picked up by: A. GRIGULIS **Date:** 1/6/77

SUMMARY

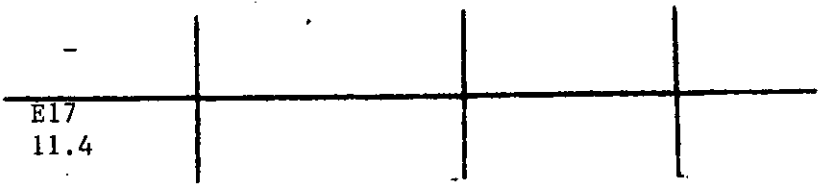
Logged by: R. Van den Bogaart
Results: 1.0 - 2.0m 1m @ 0.30% WO_3

DRILLING

Driller/Contractor: K.I.S.

Date commenced: 21/5/77 **Date terminated:** 23/5/77

Casing: Size: -
Depth:
Core: Size: E17
Depth: 11.4



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

Extension: Nil
Reason for termination: Entered Middle Volcanics - above ore horizon

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

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 600/9

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/9

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.70	2.70	2.50	93
3.70	1.00	1.08	108
5.80	2.10	1.25	60
7.70	1.90	1.92	101
11.40	3.70	3.59	97
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/9

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH4630	0.0	1.0	1.0	1.0	0.28	0.01		
1	1.0	2.0	1.0	1.0	0.30	0.01		
4632	2.0	3.0	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 6009

0.0 - 1.40 PYROXENE GARNET SKARN

A brownish green unit of pyroxene garnet skarn consisting essentially of pyroxene, grossularite, andradite actinolite with minor marble rich bands. The unit contains moderate grade scheelite throughout.

Minor bedding may be noted with the marble rich areas. Bedding is ≈80° LCA at 0.80m.

1.40 - 2.34 BANDED BIOTITE PYROXENE HORNFELS

A small unit consisting of alternating bands rich in biotite and pyroxene, with minor grossularite. Only minor scheelite is associated with the grossularite rich areas.
Banding is at ≈82° LCA @ 2.0m.

2.34 - 4.85 APLITE

A grey-white, coarsed grained, biotite rich aplite. The aplite consists essentially of a creamy white green orthoclase? feldspar, and a pink plagioclase, approximately in equal amounts, with a vitreous grey quartz and black biotite. The unit contains some large pink plagioclase phenocrysts. The biotite appears to be concentrated in bands.

4.85 - 5.05 PYROXENE GARNET SKARN

As above. The unit contains a small (6cm) band of biotite pyroxene hornfels. The unit contains moderate scheelite.

5.05 - 11.40 E.O.H. MIDDLE VOLCANICS

A dark grey to black unit of Middle Volcanics containing same white feldspar blebs. Pyrite and pyrrohotite occur throughout.

A major fracture in filled with calcite and chlorite ≈8° LCA occurs at 5.50m.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 600/9

LAB.	K.I.S.		LAB. KIS.			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 4631	0.30	0.01	3548	~~3549~~ 0·37		~~3550~~ 3549	0.50		3550	0.50		


DDH BH 600/9
0·0 - 11·40m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/8

PLANNING

Proposer: S.G. Brown — Depth: 115.0

Location: L60 Slot Stope

Purpose of hole: To test C1 and C2 lens

Co-ordinates: 40371.0 E 10600.0 N

Inclination: -80 — Magnetic

Bearing: 090° Grid — Target depth:

Target: E N

Approved by: M.C. Rogers — Date: 17/5/77

SURVEY

Survey Co-ords: 40 371.34 E 10 600.22 N

Survey bearing: 82° 10' Grid — Magnetic

Surveyed in by: — Date:

Actual Co-ords: E N

R.L. of collar: 997.60 — Inclination of hole: -80° 56'

Picked up by : A. Grigulis — Date:16/6/77

SUMMARY

Logged by : R. Van den Bogaart

Results: 46.0 - 52.0m, 6m @ 0.54% WO_3
63.0 - 76.0m, 13m @ 1.38% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 24/5/77 — Date terminated: 15/6/77

Casing: Size : NQ
Depth : 1.0

Core: Size : BQ
Depth : 115.0

Wedge Runoff:

Wedge placed: Nil — Depth:

Proposed by : — Approved by:

Reason:

Extension: Nil

Reason for termination: Below mineral zone — Final depth: 115.0

Condition of hole on completion:

Casing : Pulled

Cemented : No

Bore hole survey: Multishot

Water: No

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 600/8

Survey method: Multishot camera

Final depth : 115.0m

Casing depth : 1.0m

Depth surveyed to: 110m

Date surveyed: 15/6/77

Surveyed by : L. Denby

Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
12	080° 00'	052° 00'	8° 00'	-82° 00'	11.88	1.02	1.32
28	073° 00'	045° 00'	7° 15'	-82° 45'	27.75	2.42	2.84
42	063° 00'	035° 00'	7° 00'	-83° 00'	41.65	3.79	3.85
58	061° 00'	033° 00'	6° 45'	-83° 15'	57.54	5.37	4.89
78	058° 00'	030° 00'	7° 00'	-83° 00'	77.40	7.46	6.17
98	059° 00'	031° 00'	7° 00'	-83° 00'	97.26	9.53	7.39
115 EOH	056° 00'	028° 00'	7° 00'	-83° 00'	114.13	11.36	8.37

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0. - 1.0	1.0	0.88	88
2.0	1.0	0.83	83
3.5	1.5	1.49	99
4.0	0.5	0.51	102
5.5	1.5	1.44	96
6.0	0.5	0.56	112
7.5	1.5	1.43	95
8.0	0.5	0.59	118
9.5	1.5	1.43	95
10.0	0.5	0.56	112
11.5	1.5	1.45	97
12.0	0.5	0.52	104
13.5	1.5	1.40	93
14.0	0.5	0.63	126
15.5	1.5	1.43	95
16.0	0.5	0.53	106
17.5	1.5	1.40	93
18.0	0.5	0.58	116
19.5	1.5	1.42	95
20.0	0.5	0.56	112
21.5	1.5	1.45	97
22.0	0.5	0.53	106
23.5	1.5	1.42	95
24.0	0.5	0.51	102
25.5	1.5	1.50	100
26.0	0.5	0.55	110
27.5	1.5	1.45	97
28.0	0.5	0.52	104
29.5	1.5	1.46	97
30.0	0.5	0.50	100
31.5	1.5	1.44	96
32.0	0.5	0.47	94
33.5	1.5	1.48	99
34.0	0.5	0.55	110
35.5	1.5	1.40	93
36.0	0.5	0.57	114
37.5	1.5	1.37	91
38.0	0.5	0.50	100
39.5	1.5	1.45	97
40.0	0.5	0.52	104
41.5	1.5	1.32	88
42.0	0.5	0.66	132
43.5	1.5	1.50	100
44.0	0.5	0.54	108
45.5	1.5	1.47	98
46.0	0.5	0.65	130
47.5	1.5	1.50	100

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
48.0	0.5	0.51	102
49.5	1.5	1.43	95
50.0	0.5	0.58	116
51.5	1.5	1.44	96
52.0	0.5	0.55	110
53.5	1.5	1.44	96
54.0	0.5	0.52	104
55.5	1.5	1.47	98
56.0	0.5	0.56	112
57.5	1.5	1.43	95
58.0	0.5	0.54	108
59.5	1.5	1.43	95
60.0	0.5	0.57	114
61.5	1.5	1.44	96
62.0	0.5	0.55	110
63.5	1.5	1.43	95
64.0	0.5	0.55	110
65.5	1.5	1.48	99
66.0	0.5	0.53	106
67.5	1.5	1.46	97
68.0	0.5	0.53	106
69.5	1.5	1.36	91
70.0	0.5	0.64	128
71.5	1.5	1.43	95
72.0	0.5	0.56	112
73.5	1.5	1.39	93
74.0	0.5	0.65	130
75.5	1.5	1.43	95
76.0	0.5	0.55	110
77.5	1.5	1.48	99
78.0	0.5	0.55	110
79.5	1.5	1.40	93
80.0	0.5	0.62	124
81.5	1.5	1.36	91
82.0	0.5	0.54	108
83.5	1.5	1.42	95
84.0	0.5	0.62	124
85.5	1.5	1.43	95
86.0	0.5	0.53	106
87.5	1.5	1.48	99
88.0	0.5	0.56	112
89.5	1.5	1.46	97
90.0	0.5	0.56	112
91.5	1.5	1.42	95
92.0	0.5	0.63	126
93.5	1.5	1.42	95

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
94.0	0.5	0.55	110
95.5	1.5	1.43	95
96.0	0.5	0.54	108
97.5	1.5	1.47	98
98.0	0.5	0.54	108
99.5	1.5	1.46	97
100.0	0.5	0.49	98
101.5	1.5	1.46	97
102.0.	0.5	0.62	124
103.5	1.5	1.45	97
104.0	0.5	0.53	106
105.5	1.5	1.40	93
106.0	0.5	0.57	114
107.5	1.5	1.42	95
108.0	0.5	0.55	110
109.5	1.5	1.42	95
110.0	0.5	0.62	124
111.5	1.5	1.35	90
112.0	0.5	0.57	114
113.5	1.5	1.38	92
115.0	1.5	1.52	101

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No: BH 600/8

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH4721	3.0	4.0	1.0	1.0	<0.01	<0.01	
2	4.0	5.0	1.0	1.0	0.33	0.01	
3	20.0	21.0	1.0	1.0	<0.01	<0.01	
4	21.0	22.0	1.0	1.0	<0.01	<0.01	
5	45.0	46.0	1.0	1.0	<0.01	<0.01	1m @ 1.12% WO_3
6	46.0	47.0	1.0	1.0	1.12	0.04	N.B. interval
7	47.0	48.0	1.0	1.0	0.19	<0.01	46.0 - 52.0 is 6m
8	48.0	49.0	1.0	1.0	0.23	<0.01	@ 0.54% WO_3
9	49.0	50.0	1.0	1.0	0.46	<0.01	
4730	50.0	51.0	1.0	1.0	0.38	<0.01	49.0 - 52.0 3m @
1	51.0	52.0	1.0	1.0	0.87	0.02	0.57% WO_3
2	52.0	53.0	1.0	1.0	<0.01	<0.01	
3	53.0	54.0	1.0	1.0	0.23	<0.01	
4	54.0	55.0	1.0	1.0	0.21	<0.01	
5	55.0	56.0	1.0	1.0	0.06	<0.01	
6	56.0	57.0	1.0	1.0	<0.01	<0.01	
7	57.0	58.0	1.0	1.0	0.01	<0.01	
8	58.0	59.0	1.0	1.0	<0.01	<0.01	
9	59.0	60.0	1.0	1.0	0.18	<0.01	
4740	60.0	61.0	1.0	1.0	<0.01	<0.01	
1	61.0	62.0	1.0	1.0	<0.01	<0.01	
2	62.0	63.0	1.0	1.0	<0.01	<0.01	
3	63.0	64.0	1.0	1.0	5.28	0.44	
4	64.0	65.0	1.0	1.0	1.46	0.05	
5	65.0	66.0	1.0	1.0	1.40	0.08	
6	66.0	67.0	1.0	1.0	0.55	0.02	
7	67.0	68.0	1.0	1.0	1.32	0.07	
8	68.0	69.0	1.0	1.0	1.43	0.07	63.0 76.0m
9	69.0	70.0	1.0	1.0	2.37	0.26	13m @ 1.38% WO_3
4750	70.0	71.0	1.0	1.0	0.23	<0.01	
1	71.0	72.0	1.0	1.0	<0.01	<0.01	
2	72.0	73.0	1.0	1.0	0.75	0.05	
3	73.0	74.0	1.0	1.0	3.01	0.17	
4	74.0	75.0	1.0	1.0	0.64	0.01	
5	75.0	76.0	1.0	1.0	0.81	0.02	
6	76.0	77.0	1.0	1.0	0.18	<0.01	
7	77.0	78.0	1.0	1.0	0.14	<0.01	
4758	78.0	79.0	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 600/8

0.0 - 21.80m MARBLE

A grey coloured marble containing bands and patches rich in pyroxene and grossularite. Initially the unit is well bedded, however, between the interval 16.0 - 21.8m the marble has been recrystallised. Low ~~Down~~ to medium grade scheelite mineralisation is confined to the pyroxene grossularite rich areas between the intervals 3.4 - 4.2m and the last metre of the unit (i.e. 20.8 - 21.8m).
Bedding is at
≃ 75° LCA @ 2.30m
≃ 57° LCA @ 5.95m
≃ 56° LCA @ 12.10m

21.80 - 38.6 DISTURBED BIOTITE PYROXENE HORNFELS

A disturbed brown-green unit of biotite pyroxene hornfels, containing areas with minor pod development. The pods are mainly angular and are pyroxene or silica rich. This podding is not so well developed as the unit described below. The unit is devoid of any scheelite mineralisation. A white, fine grained aplite occurs between the interval 29.45 - 29.30m.

A major fracture or possible fault (calcite filled) occur at ≃ 53° LCA @ 23.75m

A breccia zone cemented by clinohumite, carbonate and chlorite occurs at ≃ 30° LCA @ 23.15m.

38.6 - 46.0 PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels containing angular to sub-rounded pods rich in silica pyroxene and carbonate. The carbonate rich pods are typically rimmed by grossularite, pyroxene and minor actinolite. The unit contains only minor scheelite grains associated with the carbonate-grossularite-pyroxene rich pods. This unit grades into the unit described above.

Some minor fractures which are clinohumite filled occur at 38.65m and 40.0m. A breccia zone cemented with carbonate and clinohumite occurs at ≃ 23° LCA @ 39.6m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/8

46.0 - 60.05 DISTURBED PYROXENE GARNET HORNFELS

A disturbed brownish-green unit of pyroxene garnet hornfels containing carbonate rich pods, typically rimmed by grossularite, pyroxene with minor actinolite and epidote. The unit consists essentially of pyroxene, grossularite, actinolite, andradite, pyrite, calcite, quartz, feldspar with minor molybdenite. Up to 54.0m the unit is rich in andradite and actinolite, after which the unit becomes more pyroxene-grossularite rich and podding is more dominant. Scheelite mineralisation is erratic and varies from coarse grained crystal to fine grained dissemination throughout. The richer scheelite mineralisation is confined to the andradite-actinolite rich area and it is expected that some intervals will reach low to medium grade ore. Coarse scheelite is associated with quartz-feldspar veins occurring at 46.3, 47.0, 49.6 and 51.9m.

A major calcite-chlorite filled fracture occurs at≃ 18 LCA @ 53.5m. FEATHERED FAULT

60.5 - 62.85 PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels containing angular to sub-rounded pods rich in silica, pyroxene, pyrrhotite and carbonate. The carbonate rich pods are rimmed by grossularite and pyroxene. The unit is devoid of any scheelite mineralisation.

62.85 - 70.47 PYROXENE GARNET HORNFELS

A brownish-green unit of pyroxene garnet hornfels containing pyroxene, andradite, grossularite, actinolite, calcite, quartz pyrite with minor amounts of epidote, molybdenite and native bismuth. The unit contains good fine grained scheelite throughout and is expected to reach high grade ore. Coarse scheelite crystals are associated with a quartz-actinolite rich areaat 63.7m.

Molybdenite rich areas occur between 63.2 - 63.36, 63.6 - 63.9m, 69.4 - 69.84m. Native bismuth occurs in a calcite-actinolite-molybdenite rich area at 63.3m.

The last 25cm of the unit is pyroxene rich and grades into marble.

76.78 - 115.0 BANDED FOOTWALL BEDS

A unit of Banded Footwall beds consisting essentially of alternate bands of pyroxene garnet hornfels, biotite pyroxene hornfels, pyroxene, biotite, grossularite and calcite hornfels. Only the initial part of the unit is mineralised. This grades into the Pyroxene Garnet Skarn unit described above. The calcic hornfels bands contain bands and irregular patches rich grossularite.
Bedding is at
≃ 64° LCA @ 78.90m
≃ 56° LCA @ 92.05m
≃ 71° LCA @ 98.10m
≃ 73° LCA @ 104.65m
≃ 73° LCA @ 114.80m
Possible faults or major fractures (calcite-chlorite filled) occur at ≃ 17° LCA @ 77.2m.
Rubble at 84.3m (calcite-chlorite).
12° LCA @ 90.65m.

Faults (calcite-chlorite filled with breccia zones) occur at
≃ 13° LCA @ 78.5m (breccia zone between 78.0 - 78.55m)
≃ 12° LCA @ 80.0m (breccia zone between 79.4 - 80.4m)
≃ 20° LCA @ 90.44m (breccia zone between 90.25 - 90.44m)
≃ 10° LCA @ 109.8m (breccia zone between 109.7 - 110.46)

70.47 - 71.9 MARBLE

A small unit of recrystallised grey coloured marble containing minor patches rich in pyroxene. The pyroxene rich patches contain minor scheelite mineralisation
Remnant bedding is noted and is at
≃ 73° LCA @ 70.56m
≃ 75° LCA @ 71.78m

71.9 - 76.78 PYROXENE GARNET SKARN

As above. The first 0.20m of this unit is pyroxene rich. The unit contains good, fine grained scheelite disseminated throughout, and is expected to reach high grade ore. The unit grades into mineralised banded footwall beds described below.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 600/8

LAB.	K.I.S.		LAB.			LAB.			LAB.			
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 4722	0.33	0.01	4428	0.30		4429	0.50		4430	0.40		
BH 4731	0.87	0.02	4431	0.44		4432	1.16		4433	1.08		
BH 4745	1.40	0.08	4434	1.31		4435	1.34		4436	1.37		
BH 4756	0.18	<0.01	4437	0.17		4438	0.22		4439	0.22		


DDH BH 600/8
0·0 - 14·46m.


DDH BH 600/8
14·46 - 28·81m.


DDH BH 600/8
28·81 - 43·05m.


DDH BH 600/8
43·05 - 57·50m.


DDH BH 600/8
57·50 - 72·05 m.


DDH BH 600/8
72·05 - 86·25m.


DDH BH 600/8
86·25 - 100·40m.


DDH BH 600/8
100·40 - 114·55m.


DDH BH 600/8
114 - 55 - 115·0 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 600/7

PLANNING

Proposer: S.G. Brown — **Depth:** 115m

Location: L59 Slot Stope

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

Co-ordinates:	40371 E	10600 N	
Inclination:	-71°		**Magnetic:**
Bearing	090 Grid		**Target Depth:**
Target:	E		N
Approved by:	M.C. Rogers		**Date:** 12/4/77

SURVEY

Survey Co-ords:	40371.57 E	10600.22 N	
Survey bearing:	88° 48' Grid		**Magnetic:**
Surveyed in by:			**Date:**
Actual Co-ords:	E		N
R.L. of Collar:	997.64		**Inclination of Hole:** -70° 29'
Picked up by:	A. Grigulis		**Date:** 16/6/77

SUMMARY

Logged by: R. Van den Bogaart

Results:

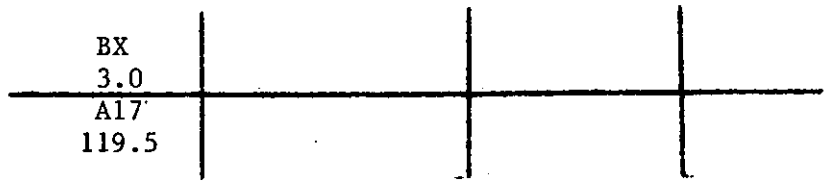
3.0m - 5.0m	2m @ 1.02%	WO_3
50m-53m	3m @ 0.98%	WO_3
66m-79m	13m @ 1.31%	WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 6/2/77 — **Date terminated:** 14/2/77

Casing:	**Size:**	BX
	Depth:	3.0
Core:	**Size:**	A17
	Depth:	119.5



Wedge Runoff:

Wedge placed: — **Depth:**

Proposed by: — **Approved by:**

Reason:

Extension: Nil

Reason for termination: Below mineralisation

Condition of hole on completion: — **Final depth:** 119.5m

Casing: left

Cemented: No

Bore hole survey: Multishot

Water: No

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B600/7

Survey method: Multishot Camera
Final depth : 119.5m
Casing depth : 3.0m

Depth surveyed to: 119.5m
Date surveyed: 13/5/77
Surveyed by : L. Denby
Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
10m	087° 00'	059° 00'	18° 00'	-72° 00'	9.51	1.57	2.66
30m	085° 00'	057° 00'	17° 15'	-72° 45'	28.87	4.87	7.80
50m	084° 00'	056° 00'	16° 45'	-73° 15'	48.02	8.13	12.64
70m	082° 30'	054° 30'	16° 15'	-73° 45'	67.19	11.50	17.35
92m	079° 00'	051° 00'	16° 15'	-73° 45'	88.30	15.29	22.34
119.5m E.O.H.	083° 00'	055°	16° 30'	-73° 30'	114.72	19.90	28.56

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.8	2.8	2.78	99
5.8	3.0	2.83	94
7.3	1.50	1.48	99
7.9	0.60	0.61	102
9.4	1.50	1.44	96
10.0	0.60	0.58	97
11.5	1.50	1.43	95
12.0	0.50	0.53	106
13.5	1.50	1.47	98
14.0	0.50	0.55	110
15.5	1.50	1.46	97
16.0	0.50	0.49	98
17.5	1.50	1.50	100
18.0	0.50	0.63	126
19.5	1.50	1.41	94
20.0	0.50	0.62	124
21.5	1.50	1.37	91
22.0	0.50	0.59	118
23.5	1.50	1.38	92
24.0	0.50	0.62	124
25.5	1.50	1.39	93
26.0	0.50	0.57	114
27.5	1.50	1.41	93
28.0	0.50	0.56	112
29.5	1.50	1.40	93
30.0	0.50	0.62	124
31.5	1.50	1.39	93
32.0	0.50	0.57	114
33.5	1.50	1.37	91
34.0	0.50	0.60	120
35.5	1.50	1.37	91
36.0	0.50	0.63	126
37.5	1.50	1.40	93
38.0	0.50	0.58	116
39.5	1.50	1.26	84
40.0	0.50	0.58	116
41.5	1.50	0.94	63
42.0	0.50	0.67	134
43.5	1.50	1.44	96
44.0	0.50	0.60	120
45.5	1.50	1.39	93
46.0	0.50	0.62	124
47.5	1.50	1.38	92
48.0	0.50	0.62	124
49.5	1.50	1.35	90

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH600/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
50.0	0.50	0.62	124
51.5	1.50	1.53	102
52.0	0.50	0.53	106
53.5	1.50	1.23	82
54.0	0.50	0.64	128
55.5	1.50	1.37	91
56.0	0.50	0.60	120
57.5	1.50	1.45	97
58.0	0.50	0.58	116
59.5	1.50	1.39	93
60.0	0.50	0.62	124
61.5	1.50	1.36	91
62.0	0.50	0.61	122
63.5	1.50	1.42	95
64.0	0.50	0.61	122
65.5	1.50	1.39	93
66.0	0.50	0.58	116
67.5	1.50	1.42	95
68.0	0.50	0.60	120
69.5	1.50	1.43	95
70.0	0.50	0.61	122
71.5	1.50	1.36	91
72.0	0.50	0.60	120
73.5	1.50	1.33	89
74.0	0.50	0.63	126
75.5	1.50	1.40	93
76.0	0.50	0.61	122
77.5	1.50	1.39	93
78.0	0.50	0.63	126
79.5	1.50	1.36	91
80.0	0.50	0.63	126
81.5	1.50	1.32	88
82.0	0.50	0.61	122
83.5	1.50	1.37	91
84.0	0.50	0.60	120
85.5	1.50	1.36	91
86.0	0.50	0.65	130
87.5	1.50	1.32	88
88.0	0.50	0.56	112
89.5	1.50	1.38	92
90.0	0.50	0.67	134
91.5	1.50	1.39	93
92.0	0.50	0.60	120
93.5	1.50	1.67	111

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
94.0	0.50	0.63	126
95.5	1.50	1.34	89
96.0	0.50	0.67	134
97.5	1.50	1.36	91
98.0	0.50	0.61	122
99.5	1.50	1.28	85
100.0	0.50	0.63	126
101.5	1.50	1.32	88
102.0	0.50	0.63	126
103.5	1.50	1.36	91
104.0	0.50	0.65	130
105.5	1.50	1.33	89
106.0	0.50	0.67	134
107.5	1.50	1.26	84
108.0	0.50	0.64	128
109.0	1.50	1.25	83
110.0	0.50	0.70	140
111.5	1.50	1.28	85
112.0	0.50	0.64	128
113.5	1.50	1.36	91
114.0	0.50	0.68	136
115.5	1.50	1.34	89
116.0	0.50	0.67	134
117.5	1.50	1.37	91
118.0	0.50	0.61	122
119.5	1.50	1.42	95
EOH		118.21	99%

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/7

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH4596	2.0	3.0	1.0	1.0	0.12	<0.01	
7	3.0	4.0	1.0	1.0	1.69	0.07	3.0 - 5.0m
8	4.0	5.0	1.0	1.0	0.34	0.01	2m @ 1.02% WO_3
9	50.0	51.0	1.0	1.0	1.73	0.05	50.0 - 53.0m
4600	51.0	52.0	1.0	1.0	0.81	0.02	3m @ 0.98% WO_3
1	52.0	53.0	1.0	1.0	0.40	0.01	
2	53.0	54.0	1.0	1.0	0.21	<0.01	
3	54.0	55.0	1.0	1.0	0.17	<0.01	
4	55.0	56.0	1.0	1.0	0.17	<0.01	
5	56.0	57.0	1.0	1.0	0.17	<0.01	
6	57.0	58.0	1.0	1.0	0.19	<0.01	
7	58.0	59.0	1.0	1.0	0.12	<0.01	
8	59.0	60.0	1.0	1.0	<0.01	<0.01	
9	60.0	61.0	1.0	1.0	<0.01	<0.01	
4610	61.0	62.0	1.0	1.0	<0.01	<0.01	
1	62.0	63.0	1.0	1.0	<0.01	<0.01	
2	63.0	64.0	1.0	1.0	1.34	0.06	
3	64.0	65.0	1.0	1.0	<0.01	<0.01	
4615	65.0	66.0	1.0	1.0	<0.01	<0.01	
6	66.00	67.0	1.0	1.0	0.28	0.01	
7	67.0	68.0	1.0	1.0	2.36	0.08	66.0 - 79.0m
8	68.0	69.0	1.0	1.0	2.70	0.13	13m @ 1.31% WO_3
9	69.0	70.0	1.0	1.0	1.37	0.06	
20	70.0	71.0	1.0	1.0	2.60	0.16	
1	71.0	72.0	1.0	1.0	1.94	0.09	
2	72.0	73.0	1.0	1.0	1.14	0.10	
3	73.0	74.0	1.0	1.0	0.64	0.04	
4	74.0	75.0	1.0	1.0	0.93	0.07	
5	75.0	76.0	1.0	1.0	1.06	0.05	
6	76.0	77.0	1.0	1.0	0.91	0.04	
7	77.0	78.0	1.0	1.0	0.77	0.03	
8	78.0	79.0	1.0	1.0	0.37	0.01	
4629	79.0	80.0	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. BH600/7

0.0 - 2.9 MARBLE

A well bedded greyish-white unit of marble. Some of the thin bedding units are pyrite rich. The unit is devoid of scheelite mineralisation.
Bedding is at 60° LCA @ 0.47m.
58° LCA @ 1.55m.
67° LCA @ 2.54m.

2.9 - 4.29 MINERALISED MARBLE

A small unit of greenish-brown marble rich in pyroxene and grossularite garnet. The unit contains moderate scheelite and may be rich grade.
Remnant bedding is present and is $\simeq 54^{\circ}$ LCA @ 3.44m.

4.29 - 22.59 MARBLE

Essentially as above, except that bedding is more disturbed forming pods at various localities e.g. at 11.75m, 14.12m and 21.0m. The unit contains two pyroxene rich areas between 11.80 - 12.34m and 21.80 - 22.59m. Irregular patches and pods rich in grossularite and epidote occur at 4.63m and 12.12m.
Bedding is at
$\simeq 61^{\circ}$ LCA @ 5.8m
$\simeq 46^{\circ}$ LCA @ 10.57m
$\simeq 63^{\circ}$ LCA @ 13.90m
$\simeq 74^{\circ}$ LCA @ 15.75m
$\simeq 70^{\circ}$ LCA @ 21.40m

A calcite and chlorite filled major fracture occurs at 20.93m and is $\simeq 15^{\circ}$ LCA.

22.59 - 38.74 BANDED BIOTITE PYROXENE HORNFELS

A unit consisting of alternate bands rich in pyroxene and biotite, with minor bands and pods rich in pyrite. The unit becomes disturbed and grades into a podded biotite pyroxene hornfels at 38.74m. Small aplite dykes occur at 32,60m, 33.70m, 35.40m, 35.80m and 38.0m.
Banding is at
$\simeq 65^{\circ}$ LCA @ 24.10m
$\simeq 73^{\circ}$ LCA @ 26.22m

Two minor faults occur at $\simeq 22^{\circ}$ LCA at 31.90, (calcite filled) and $\simeq 20^{\circ}$ LCA at 38.74m (breccia cemented by calcite, pyrite and clinohumite.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/7

38.74 - 50.18 PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of brownish-green Biotite Pyroxene Hornfels containing rounded and sub-rounded calcite and pyroxene rich pods. The rounded calcite rich pods are typically rimmed by grossularite, pyroxene and epidote. The unit is silicified between 48.8 - 49.5m. The unit is devoid of any scheelite mineralisation.

A minor fault or major fracture occurs at ≃16° LCA @ 40.10m.

Other major fractures occur at 41.5m (≃22° LCA) and at 47.5m (≃26° LCA)

50.18 - 64.15 PODDED PYROXENE GARNET HORNFELS

A disturbed unit of pyroxene garnet hornfels containing rounded and sub-rounded calcite rich pods. The calcite rich pods include, or are rimmed by, grossularite, actinolite epidote and pyroxene. Initially the unit is rich in andradite garnet, however, at 54.0m the unit becomes progressively richer in pyroxene. Similarily the unit contain good finely disseminated scheelite for the first 2m (C1 lens), after which the mineralisation consists of erratic coarse scheelite crystals (probably subgrade).

A minor fault or major fracture occurs at 53.25m (≃18° LCA Calcite and Clinohumite filled fracture plane); 54.05m (≃28° LCA Calcite filled) 61.25m (≃27° LCA Calcite filled) and at 61.66m (≃22° LCA Calcite filled).

64.15 - 66.0 PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels containing angular and subrounded calcareous and siliceous pods. Initially the unit is silicified. The larger calcite rich pods are typically rimmed by grossularite, epidote, actinolite and pyroxene. The unit is barren of scheelite.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/7

66.0 - 78.86

BANDED PYROXENE GARNET SKARN (C_2 LENS)

A banded brownish-green unit of pyroxene garnet skarn, consisting essentially of andradite, pyroxene with lesser amounts of grossularite, actinolite, pyrite, molybdenite and calcite. Fine grained scheelite occurs throughout this unit and is expected to reach high grade ore. This unit grades into the Banded Footwall Beds described below.

A calcite-chlorite filled major fracture occurs at $\simeq 18^{\circ}$ LCA at 75.95m.

78.86 - 114.15

BANDED FOOTWALL BEDS

A unit consisting of alternate bands of biotite, pyroxene calcite hornfels, with some minor grossularite rich patches. Initially the unit is rich in biotite pyroxene hornfels to approximately 88m after which the unit becomes richer in calcite hornfel bands. Aplite occurs between 85.7 - 85.90m and 87.25 - 87.64m. The unit contains only minor scheelite mineralisation associated with the garnet pyroxene rich bands.
Bedding is at
$\simeq 70^{\circ}$ LCA at 79.25m
$\simeq 58^{\circ}$ LCA at 88.17m
$\simeq 56^{\circ}$ LCA at 97.83m
$\simeq 53^{\circ}$ LCA at 109.48m
$\simeq 56^{\circ}$ LCA at 112.40m

A Fault breccia zone occurs between 94.0 - 95.80m, within this zone is a large calcite filled fault plane $\simeq 12^{\circ}$ LCA occurs at 94.9m. A major calcite filled fracture $\simeq 23^{\circ}$ LCA occurs at 108.5m and $\simeq 66^{\circ}$ LCA at 102.0m.

114.15 - 119.5
E.O.H.

BANDED BIOTITE PYROXENE HORNFELS

A unit consisting of alternate bands of biotite and pyroxene hornfels. The unit contains a large calcite rich pod at 116.8m. The unit is barren of scheelite mineralisation.
Bedding is at
$\simeq 66^{\circ}$ LCA at 115.5m
$\simeq 54^{\circ}$ LCA at 119.13m

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 600/7

LAB.	K.I.S.		LAB. K.I.S.			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 4597	1.69	0.07	3536	1.78		3537	1.77		3538	1.72		
BH 4606	0.19	<0.01	3539	0.17		3540	0.27		3541	0.24		
BH 4616	0.28	0.01	3542	0.29		3543	0.35		3544	0.44		
BH 4626	0.91	0.04	3545	0.91		3546	1.16		3547	0.89		


DDH BH 600/7
00.00 - 14.53 m.


DDH BH 600/7
14.53 - 28.74 m.

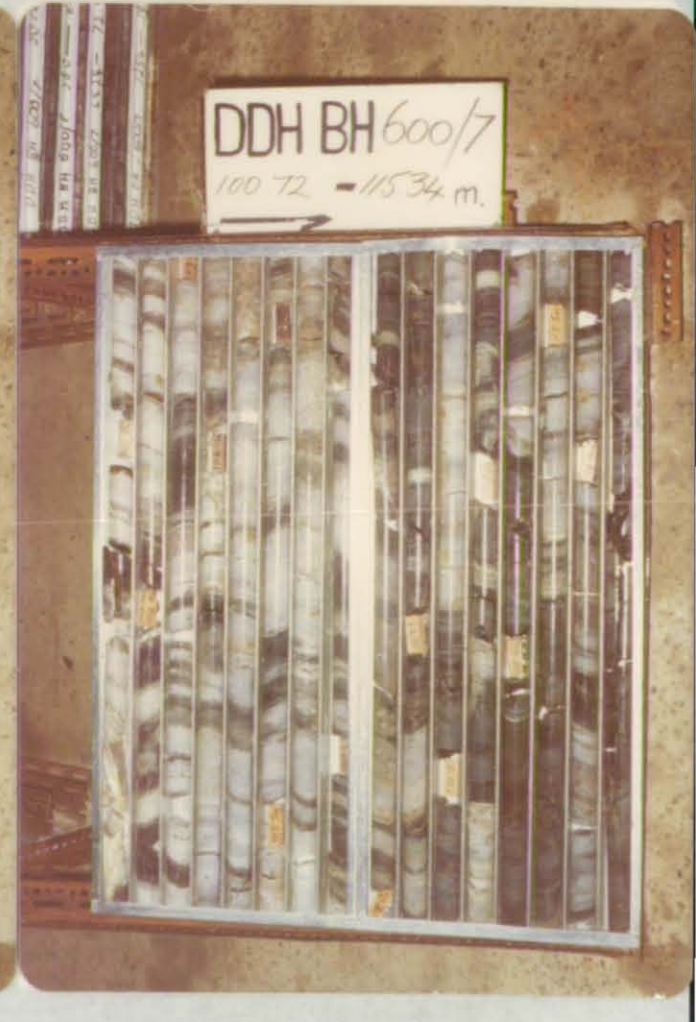

DDH BH 600/7
28.74 - 43.34 m.


DDH BH 600/7
43.34 - 58.0 m.


DDH BH 600/7
58.00 - 72.54 m.


DDH BH 600/7
72.54 - 87.23 m.


DDH BH 600/7
87.23 - 100.72 m.


DDH BH 600/7
100.72 - 115.34 m.


DDH BH 600/7
115.34 - 119.50 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 600/6

PLANNING

Proposer: S.G. Brown — Depth: 120m

Location: I62 stope

Purpose of hole: To test C1, C2, and D lenses

Co-ordinates: 40 340 E 10 600 N
Inclination: -69°
Bearing 090 Grid
Target: E N
Approved by: -M.C. Rogers

Magnetic:
Target Depth:
Date: 1/1/77

SURVEY

Survey Co-ords: 10 600.39 N 40 340.60 E
Survey bearing: 84° 57' Grid
Surveyed in by:
Actual Co-ords: 40340.60 E 10 600.39 N
R.L. of Collar: 993.5
Picked up by: A. G.

Magnetic:
Date:
Inclination of Hole: -70° 07'
Date: 9/2/77

SUMMARY

Logged by: S. Grieve Brown
Results: 0-3.0m , 3m @ 1.06% WO_3
44.0 -56.0m, 12m @ 0.41% WO_3
67.0 - 70.0m, 3m @ 1.60% WO_3
77.0-79.0m, 2m @ 0.54% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 4/2/77 — Date terminated: 14/2/77

Casing: Size: 0.6m
Depth: BX
Core: Size: AQ
Depth: 121.0

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

Extension: Nil
Reason for termination: Below D lens horizon

Condition of hole on completion: — Final depth: 121.00
Casing: Pulled
Cemented: No

Bore hole survey: Multishot
Water: Minor

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. Bold Head 600/6

Survey method : Multishot
Final depth : 121.0
Casing depth : 0.6m

Depth surveyed to 120.9
Date surveyed 20/2/77
Surveyed by : S.G.B.
Checked by :

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
6	098°	N70° E	20°	-70° 00'	5.64	40342.63	10600.57
12	086°	N58° E	20° 15'	-69° 45'	11.27	40344.66	10600.28
18	084°	N56° E	20°	-70° 00'	16.91	40346.74	10600.43
30	084°	N56° E	19°	-71° 00'	28.25	40350.82	10600.86
36	082° 30'	N54° 30' E	18°	-72° 00'	33.96	40352.76	10601.06
42	079°	N51° E	18°	-72° 00'	39.66	40354.60	10601.30
48	080°	N52° E	17° 45'	-72° 15'	45.38	40356.42	10601.66
54	082°	N54° E	18°	-72° 00'	51.09	40358.22	10601.98
60	082° 30'	N54° 30' E	18°	-72° 00'	56.79		
69	082°	N59° E	17° 45'	-72° 15'	65.36	40362.81	10602.62
[illegible]	080° 30'	N52° 30' E	17° 45'	-72° 15'	68.22	40363.72	10602.75
78	080°	N52° E	17° 30'	-72° 30'	73.94	40365.52	10603.05
84	080°	N52° E	17° 45'	-72° 15'	79.66	40367.30	10603.36
90	079° 30'	N51° 30' E	17° 15'	-72° 45'	85.39	40369.10	10603.68
96	078° 30'	N50° 30' E	17° 30'	-72° 30'	91.11	40370.85	10604.00
102	077°	N49° E	17° 15'	-72° 15'	96.84	40372.62	10604.36
108	076°	N48° E	17° 30'	-72° 30'	102.56	40374.35	10604.76
114	077° 30'	N49° 30' E	17° 45'	-72° 15'	108.27	40376.10	10605.20
120	076° 30'	N48° 30' E	18° 00'	-72° 00'	119.96	40377.95	10605.61

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BOLD HEAD 600/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 3.5	3.5	3.42	98
5.3	1.8	1.65	92
6.5	1.2	1.34	112
9.5	3.0	2.98	99
11.0	1.5	1.59	106
12.6	1.6	1.61	101
15.7	3.1	2.95	95
18.7	3.0	2.95	98
21.8	3.1	2.98	96
24.8	3.0	3.0	100
27.5	2.7	2.54	94
27.9	0.4	0.74	185
30.9	3.0	2.97	99
34.0	3.1	3.0	97
37.0	3.0	3.12	104
40.0	3.0	3.05	102
43.0	3.0	2.88	96
46.0	3.0	2.77	92
49.0	3.0	2.95	98
49.4	0.4	0.48	120
52.4	3.0	2.96	99
55.5	3.1	3.18	106
58.5	3.0	2.98	99
61.5	3.0	3.00	100
64.5	3.0	3.00	100
67.5	3.0	2.95	98
69.5	2.0	2.07	104
72.3	2.8	2.71	98
75.3	3.0	2.99	100
78.3	3.0	2.98	99
81.3	3.0	3.00	100
84.3	3.0	3.00	100
87.3	3.0	2.95	98
89.1	1.8	1.79	99
92.1	3.0	2.87	96
93.7	1.6	1.73	108
96.7	3.0	2.97	99
99.7	3.0	3.00	100
102.7	3.0	2.98	99
104.9	2.20	2.32	105
107.9	3.00	2.96	99
110.9	3.00	2.97	99
113.9	3.00	2.97	99
115.0	1.10	1.19	108
118.0	3.00	2.85	95
121.0	3.00	2.94	98
EOH			

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BOLD HEAD 600/6

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
B 4327	0.0	1.0	1.0	0.74	2.12	0.13	0 - 3.0m
28	1.0	2.0	1.0	1.0	0.57	0.03	3m @ 1.06% WO_3
29	2.0	3.0	1.0	1.0	0.48	0.03	
30	3.0	4.0	1.0	1.0	0.01	0.01	
4331	43.0	44.0	1.0	1.0	0.12	0.01	
32	44.0	45.0	1.0	1.0	0.42	0.02	
33	45.0	46.0	1.0	1.0	0.52	0.01	
34	46.0	47.0	1.0	1.0	0.19	0.01	
35	47.0	48.0	1.0	1.0	0.28	0.02	44.0 - 56.0m
36	48.0	49.0	1.0	1.0	0.47	0.02	12m @ 0.41% WO_3
37	49.0	50.0	1.0	1.0	0.58	0.02	
38	50.0	51.0	1.0	1.0	0.55	0.02	
39	51.0	52.0	1.0	1.0	0.62	0.03	
40	52.0	53.0	1.0	1.0	0.30	0.01	
41	53.0	54.0	1.0	1.0	0.47	0.02	
42	54.0	55.0	1.0	1.0	0.26	0.02	
43	55.0	56.0	1.0	1.0	0.31	0.02	
44	56.0	57.0	1.0	1.0	0.01	< 0.01	
45	57.0	58.0	1.0	1.0	0.16	0.01	
46	58.0	59.0	1.0	1.0	0.18	0.02	
47	59.0	60.0	1.0	1.0	0.19	0.01	
48	60.0	61.0	1.0	1,0	0.01	0.01	
49	61.0	62.0	1.0	1.0	< 0.01	< 0.01	
B4350	65.0	66.0	1.0	1.0	< 0.01	< 0.01	
51	66.0	67.0	1.0	1.0	0.13	0.01	
52	67.0	68.0	1.0	1.0	1.68	0.10	67.0 - 70.0m
53.0	68.0	69.0	1.0	1.0	1.52	0.09	3m @ 1.60% WO_3
54	69.0	70.0	1.0	1.0	1.61	0.09	
55	70.0	71.0	1.0	1.0	0.16	0.01	
56	71.0	72.0	1.0	1.0	< 0.01	< 0.01	
B4357	76.0	77.0	1.0	1.0	< 0.01	< 0.01	
58	77.0	78.0	1.0	1.0	0.49	0.03	77.0 - 79.0
59	78.0	79.0	1.0	1.0	0.58	0.04	2m @ 0.54% WO_3
60	79.0	80.0	1.0	1.0	0.19	0.02	
61	80.0	81.0	1.0	1.0	0.25	0.02	
62	81.0	82.0	1.0	1.0	< 0.01	< 0.01	
B4363	87.0	88.0	1.0	1.0	0.23	0.02	
64	88.0	89.0	1.0	1.0	0.08	0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.BOLD HEAD 600/6

0.0 - 3.57 MINERALISED MARBLE

This unit consists essentially of a replaced marble with pyroxene and actinolite being the dominant minerals. Grossularite is present both as minor disseminations and also as large irregular veins.
Between 1.92 - 2.87. There is a calcite actinolite vein containing large scheelite crystals.
This unit is probably ore grade between 0.00 - 2.64m.

3.57 - 15.23 MARBLE

This is a fine grained essentially grey black marble with well developed bedding apparant between 3.57m to 7.80m below which the unit seems to be very disturbed and shows signs of mobility.

Some minor areas of pyroxene and garnet are present in this unit.
Bedding is apparant at 70° LCA at 5.20m
60° LCA at 7.62m

15.23 - 43.75 PODDED BIOTITE PYROXENE HORNFELS

Bands of marble occur within this unit from 16.63 - 16.89, 17.68 - 18.01, and 28.45 - 29.38.

Pods of calcareous material are increasingly rimmed with grossularite and diopside with depth. Some pods near the top of the unit show evidence of bedding structures.

Bedding is apparant at 82° LCA at 19.41
90° LCA at 21.87
87° LCA at 28.73
75° LCA at 38.79

A calcite filled fracture occurs between 21.21 and 21.71 metres at α // LCA.

The intensity of pods increases after 39.2 metres. Pyroxene dominates over biotite and the unit resembles pyroxene garnet hornfels more closely.

43.75 - 60.55 PODDED PYROXENE GARNET HORNFELS

Typical podded pyroxene garnet hornfels with well developed calcite pods present through out. The scheelite is present as course grains through out except over the first 6 metres where some finer mineralisation is present. The unit is probably sub grade except for the first few metres.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. NoBold Head 600/6

60.55 - 66.21 PODDED BIOTITE PYROXENE HORNFELS

In this unit the darker biotite forms the ground mass while the pyroxene occurs both as irregular patches and as zones around the calcite pods. Only minor grossularite is present in this unit.

66.21 - 70.10 GARNET SKARN

This is a well developed garnet skarn in which the scheelite is very fine grained and occurs as rims around the garnets. Minor quartz and calcite are present and the last 20cm are extremely pyroxene rich.

70.10 - 77.07 MARBLE

Fairly typical sugary textured 'c' lens marble with distinct bedding apparant throughout.

This unit is completely barren - of scheelite mineralisation.

Bedding is at: 76° at 71.3m
77° at 74.om
74° at 76.om

77.07 - 78.84 GARNET SKARN

Good grade skarn as above, with fine disseminated scheelite present throughout.

Fracture at 77.81 @ 17° LCA.

78.84 - 81.65 MINERALISED BANDED FOOTWALL BEDS

This unit consists of alternating bads of garnet and pyroxene hornfels with increasing amounts of calcite becoming apparant towards 81.65m.

Bedding is present at 75° LCA at 80.25m.

81.65 - 87.22 BANDED BIOTITE PYROXENE HORNFELS

Initially this unit is transitional to the above one but below about 82.36. The unit is fairly uniform.

Bedding is present at 75° LCA at 82.61
75° LCA at 85.21

87.22 - 89.31 PYROXENE GARNET CALCITE HORNFELS

This is a disturbed unit containing varying amounts of the three main components. The unit has a slightly podded appearance and finely disseminated scheelite is present in the garnet rich areas.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. Bold Head 600/6

89.31 - 92.76 BIOTITE PYROXENE HORNFELS

This is a dark black unit of biotie hornfels with only minor pyroxene.

Aplites are present between 90.12 - 90.92
91.10 - 92.10

These aplite are granitic in texture althoughricher in biotite than usual.

92.76 - 115.54 BANDED FOOTWALL BEDS

A banded unit consisting of alternating bands of biotite, pyroxene and calcite

The calcite bands are dominant between 92.76 - 97.50 and 102.18 - 114.10m

Bedding is at 77° LCA at 96.96
75° LCA at 100.72
76° LCA at 105.17
58° LCA at 108.98
55° LCA at 111.49
56° LCA at 113.75

Minor scheelite occurs at about 95.83 and 99.84 associated with small 20 cm garnet rich bands.

Below about 114.1 the core is badly broken with some pug at about 115.0m.

115.54 - 121.00 BANDED BIOTITE PYROXENE HORNFELS

This consists of a finely banded unit of biotite and pyroxene hornfels with only very minor amounts of calcite and garnet present in the last metre.

Bedding is at 51° LCA at 116.74m
66° LCA at 120.53m

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

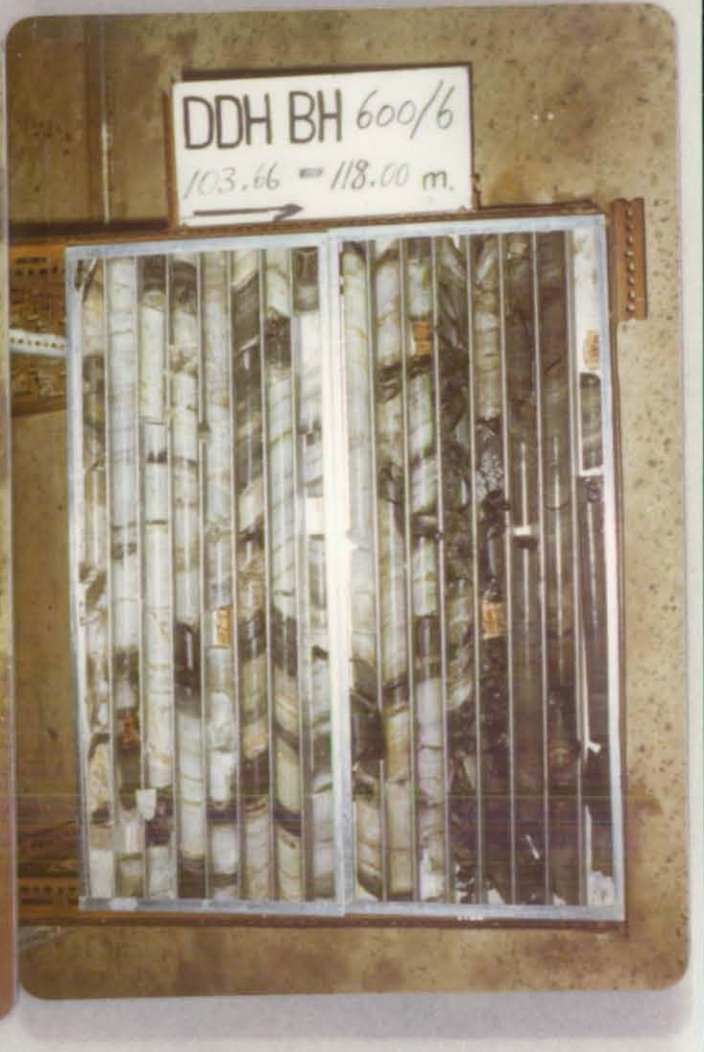
D.D.H. BH 600/ 6

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 4328	0.57	0.03	2742	0.56		2743	0.68		2744	0.58		
BH 4340	6.30	0.01	2745	0.27		2746	0.33		2747	0.33		
BH 4353	1.52	0.09	2748	1.90		2749	1.41		2750	1.42		
BH 4363	0.23	0.02	2751	0.19		2752	~~2752~~ 0.27		~~0.27~~ 2753	0.24		

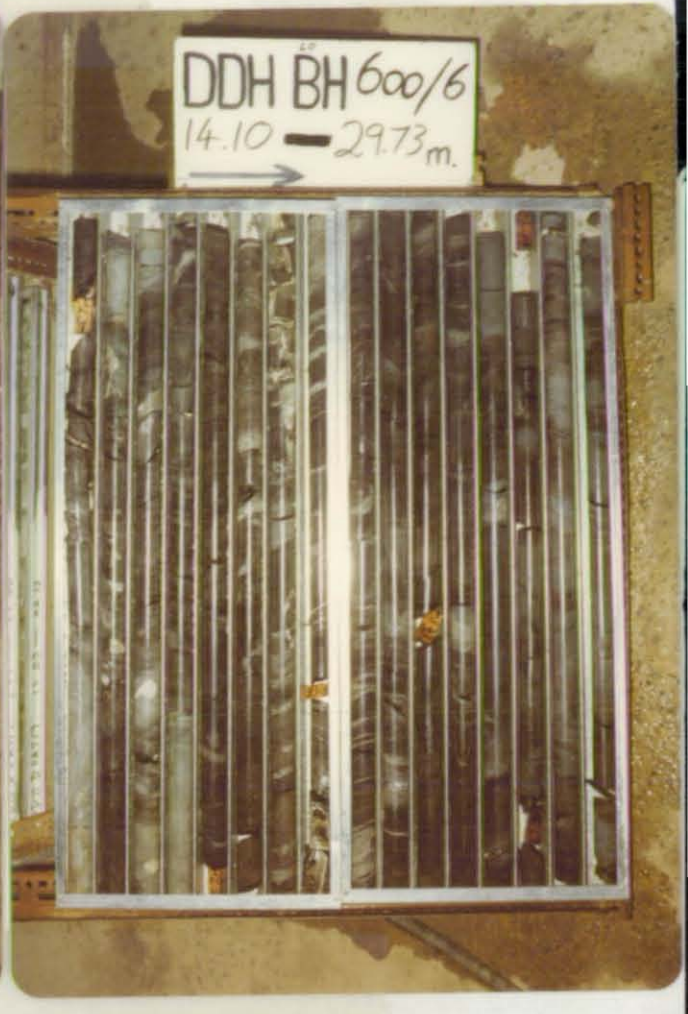

DDH BH 600/6
59.33 — 74.27 m.


DDH BH 600/6
74.27 — 89.10 m.


DDH BH 600/6
89.10 — 103.66m.


DDH BH 600/6
103.66 — 118.00 m.


DDH BH 600/6
00.00 - 14.10 m.


DDH BH 600/6
14.10 - 29.73 m.


DDH BH 600/6
29.73 - 44.52 m.


DDH BH 600/6
44.52 - 59.33 m.


DDH BH 600/6
118·00 - 121·00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/5

PLANNING

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

Location: 10600 Cuddy N.52 drill drive.

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

Co-ordinates: 10393 E 10600 N

Inclination: -57° Magnetic

Bearing: 090° 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: 10391.6 E 10600.1 N

R.L. of collar: 1017.9 Inclination of hole:

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

SUMMARY

Logged by : S.G. Brown.

Results: Only low grade mineralization intersected.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 24/3/75 Date terminated: 26/3/75

Casing: Size :

Depth :

Core: Size :

Depth :

Wedge Runoff:

Wedge placed: NIL. Depth:

Proposed by : Approved by:

Reason:

Extension: NIL.

Reason for termination: Intersected quartzites. Final depth: 35.05

Condition of hole on completion:

Casing : NIL.

Cemented : No.

Bore hole survey: 35.05m Multishot.

Water: NIL.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/5

0 - 9.01m — MIDDLE VOLCANICS

Typical dark black spotted volcanics rich in biotite and with well developed feldspar laths.

9.01 - 19.36m — BANDED PYROXENE GARNET CALCITE HORNFELS

This is a banded unit which shows some minor disturbance especially in the pyroxene garnet rich areas where some podding is apparent. Good scheelite is present in the garnet rich bands but probably not oregrade.

Bedding is at 72^{o} L.C.A. at 11.5m
56^{o} " at 12.8m
73^{o} " at 15.6m.

A minor fault is present at 17.0m @ 9^{o} L.C.A.

19.36 - 32.46m — BANDED BIOTITE PYROXENE HORNFELS

A finely banded unit of biotite pyroxene hornfels with minor bands of garnet present in it.

The bedding is disturbed and tends to show irregular angles to core axis. Overall the dip comes closer to core axis down the hole.

Bedding is at 54^{o} L.C.A. at 22.10m.
10^{o} " at 26.7m
36^{o} " at 29.1m.

32.46 - 35.05m — QUARTZITES

Typical grey quartzites with minor siltstone bands, the whole unit rich in pyrite.

E.O.H.

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/15

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 1051	9	10	1m	1m	0.45	<0.01		
2	10	11	"	"	0.12	<0.01		
3	11	12	"	"	<0.01	<0.01		
4	12	13	"	"	<0.01	<0.01		
5	13	14	"	"	0.45	<0.01		
6	14	15	"	"	0.10	<0.01		
7	15	16	"	"	<0.01	<0.01		
8	16	17	"	"	0.55	0.01		
9	17	18	"	"	0.19	<0.01		
1060	18	19	"	"	0.79	<0.01		
E.O.H.								

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.74	2.74	2.75	100
5.98	3.24	2.43	75
7.77	1.79	1.53	85
9.60	1.83	1.64	90
12.50	2.90	2.80	97
14.78	2.28	2.39	105
15.54	0.76	0.63	83
18.59	3.05	2.99	98
20.12	1.53	1.44	94
22.10	1.98	1.82	92
24.23	2.13	1.94	91
26.97	2.74	1.69	62
28.34	1.37	1.33	97
30.78	2.44	2.42	99
32.46	1.68	1.69	101
35.05	2.59	2.35	91
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 600/5

Survey method : Multishot camera.
Final depth : 35.05m.
Casing depth : 1.52m.

Depth surveyed to :35.05m.
Date surveyed :27/3/75
Surveyed by :V.J. Powell.
Checked by :R. Bogaart.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		N	E
6.10	091°30'	063°30'	33°15'	-56°45'	5.10	1.49	2.99
12.19	094°	066°	33°15'	-56°45'	10.20	2.85	6.05
18.29	097°30'	069°30'	33°15'	-56°45'	15.30	4.30	9.03
24.38	092°	064°	33°15'	-56°45'	20.40	5.75	12.05
30.48	089°	061°	33°	-57°	25.51	7.13	15.06
35.05 E.O.H.	092°30'	064°30'	33°	-57°	29.35	8.27	17.27

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 600/5

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 - 14.78	mv/ banded pgch.	6		carbonate sulphide & chlorite @ 5.98 Carbon-ate @ 6.34 Sulphide @ 6.92 Chlorite @ 9.05 Chlorite @ 10.63m.	74° @ 11.48 58° @ 11.96	98	77	Rubble at 9.50m. Core brecciated @ 8.99m. Recemented by carbonate. Bedding has been disturbed
14.78 - 26.97	Banded pgch/ banded bph	5		carbonate & chlorite @ 17.61 Sulphide & chlorite @ 18.21 Carbonate & chlorite @ 19.36 Sulphide & chlorite @ 23.06	76° @ 19.76 53° @ 22.78	86	79	Rubble @ 21.80. Slickenslides along joint @ 21.58 Bedding distort-ed e.g. @ 21.58
26.97 - 35.05	banded bph/ q	7		sulphide & chlorite @ 28.30 Sulphide & chlorite @ 29.04	48° @ 27.92 15° @ 29.69	100	68	Bedding has been distorted. Joint shows slickenslides @ 30.78 Most joints

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. A.17

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 600/5

Depth Interval (metres)	Rock Type	Fract-ures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Reco-very	R.Q.D.	Remarks (weathering)
26.97 - 35.05 cont.				Sulphide & chlorite @ 31.06				in this inter-val contains sulphide & chlorite.
E.O.H.								

FURTHER DATA & REMARKS

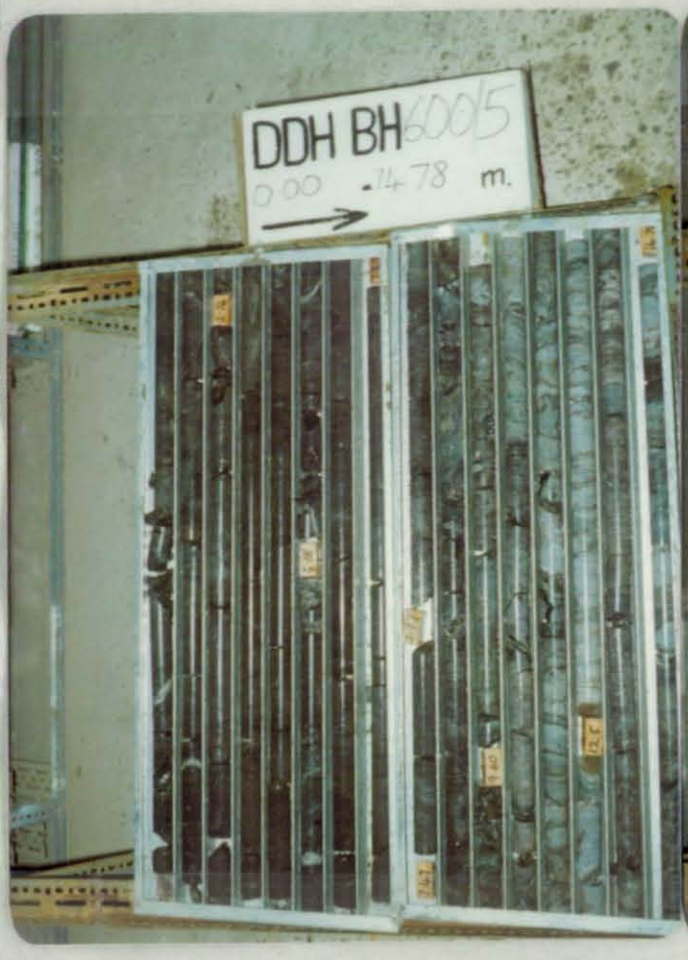
1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). $= \frac{\text{length core} > 10 \text{ cms}}{\text{length recovered}} \%$
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 600/5

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 1055	0.45	0.01	BH 3436	0.59		BH 3437	0.58		BH 3438	0.57		


DDH BH 6005
0.00 - 14.78 m.


DDH BH 6005
14.78 - 30.17 m.


DDH BH 6005
30.17 - 35.05 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/4

PLANNING

Proposer: S.G. Brown. Depth: 25m.

Location: 10600 cuddy N52 drill drive.

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

Co-ordinates: 10393 E 10600 N

Inclination: +80° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 1/3/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10391.3 E 10600.2 N

R.L. of collar: 1022.82 Inclination of hole:

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

SUMMARY

Logged by : S.G. Brown.

Results: 2 - 4m 2m @ 0.68
17 - 21m 4m @ 0.65

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 22/3/75 Date terminated: 24/3/75

Casing: Size : NIL

Depth :

Core: Size :

Depth : A17 23.16

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole entered quartzite. Final depth: 23.16m

Condition of hole on completion:

Casing : Nil

Cemented : No.

Bore hole survey: Surveyed to 21.34m.

Water:

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 600/4

Survey method : Multishot camera.
Final depth : 23.16m
Casing depth : NIL.

Depth surveyed to : 21.34m
Date surveyed : 24/3/75
Surveyed by : V.J. Powell.
Checked by : R. van den Bogaar

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E N	N E
9.14	084°30'	056°30'	11°30'	+78°30'	8.96	1.02	1.51
15.24	087°	059°	11°45'	+78°15'	14.93	1.67	2.57
21.34	087°	059°	11°45'	+78°15'	20.90	2.31	3.64

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 600/4

Depth Interval (metres)	Rock Type	Fract-ures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 10.46	bh/ g. skarn pch	6		Clinohumite @ 0.27 Fault? Sulphide @ 1.16. Carbonate @ 6.13. Chlorite @ 0.73.	38° @ 8m	97	83	Clinohumite may indicate fault? Rubble @ 0.47 - 0.91 10.15 - 10.46.
10.46 - 23.16m	pch/ banded g. skarn/ v	6		Carbonate @ 14.22. carbonate @ 16.10. Chlorite & sulphides @ 20.72. Sulphides @ 20.97. Clinohumite @ 22.87.		99	79	Clinohumite may indicate fault? Rubble 12.65 - 12.93.

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. A.17.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 5.79	5.79	5.73	99
7.62	1.83	1.43	78
10.46	2.84	2.98	104
13.41	2.95	2.92	99
14.93	1.52	1.43	94
15.09	0.16	0.15	94
17.68	2.59	2.65	102
20.42	2.74	2.68	98
22.25	1.83	1.85	101
22.55	0.30	0.26	87
22.70	0.15	0.20	133
23.16	0.46	0.46	100
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/4

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0948	1	2	1.0	1.0	0.05	< 0.01				
9	2	3	"	"	0.65	0.02				2 - 4m
50	3	4	"	"	0.72	0.02				2m @ 0.68%
1	4	5	"	"	0.13	< 0.01				
2	10	11	"	"	0.01	"				
3	11	12	"	"	0.08	"				
4	12	13	"	"	0.08	"				
5	13	14	"	"	0.04	"				
6	14	15	"	"	0.01	"				
7	15	16	"	"	0.03	"				
8	16	17	"	"	0.05	"				
59	17	18	"	"	1.31	0.07				
60	18	19	"	"	0.33	0.04				17 - 21m
1	19	20	"	"	0.46	0.02				4m @ 0.65%
D0962	20	21	1.0	1.0	0.52	0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 600/4

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 0950	0.72	0.02	BH 1645	0.66	< 0.01	BH 1646	0.86		BH 1647	0.82	
D 0960	0.33	0.04	BH 1648	0.31	< 0.01	BH 1649	0.46		BH 1650	0.45	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/4

0 - 1.44m	BIOTITE HORNFELS Initially this unit looks rather like lower volcanics and a clinohumite filled fault is visible at 26cm. After this point the core looks like more normal biotite hornfels with irregular pyroxene patches present in it.
1.44m - 4.26m	GARNET SKARN. A well developed garnet skarn with irregular amounts of scheelite present in it. Some visible molybdenum isalso present in this area.
4.26 - 10.71m	PYROXENE CALCITE HORNFELS A very fine grained light grey green rock type in which the matrix is composed of fine calcite and pyroxene. A few narrow bands of calcite and brown garnet are present in this unit and minor scheelite is present in these bands. Relic bedding is present in some areas as evidenced by the calcite bands. Bedding at 8m approx. 38^{o} L.C.A. 10m " 40^{o} "
10.71m - 20.67m	BANDED GARNET SKARN This is a disturbed pyroxene garnet skarn in which there is a considerable amount of relict bedding. Scheelite is present throughout in varying amounts and minor molybdenum is also seen in some areas.
20.67 - 21.75m	BOUNDARY FAULT A slightly disturbed zone of biotite and pyroxene hornfels with some silicification present.
21.75 - 23.16m	QUARTZITES Typical grey pyrite rich quartzites with minor siltstone. At 22.87m is a narrow clinohumite filled fault.
E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 600/4

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 0950	0.72	0.02	BH 1645	0.66	<0.01	BH 1646	0.86		BH 1647	0.82		
D 0960	0.33	0.04	BH 1648	0.31	<0.01	BH 1649	0.46		BH 1650	0.45		


DDH BH 600/4
0·00 - 14·93 m.


DDH BH 600/4
14·93 - 23·16 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/3

PLANNING

Proposer: S.G. Brown. Depth: 45m.

Location: 10 600N drilling cuddy off the N.52.

Purpose of hole: To test the extent of the Fault orebody.

Co-ordinates:	10 390	E	10 600	N
Inclination:	-80°			Magnetic
Bearing:	270°	Grid		Target depth:
Target:		E		N
Approved by:	M.C. Rogers.			Date: 20/1/75

SURVEY

Survey Co-ords:		E		N
Survey bearing:		Grid		Magnetic
Surveyed in by:				Date:
Actual Co-ords:	10 394.12	E	10 600.20	N
R.L. of collar:	1017.95			Inclination of hole: -79° 46' 19"
Picked up by :	J. Cook.			Date: 7 March 1975.

SUMMARY

Logged by : S.G. Brown.

Results: 17 - 19 2m @ 0.76% WO_3
24.2828 4m @ 0.74% WO_3
31 - 33 2m @ 0.29% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 19/2/75 Date terminated: 20/2/75

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	0.55	45.11		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed through 'extensions' of the fault orebody. Final depth: 45.11m NX remains

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 45.11m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. NO. BH 600/3

Survey method : Multishot camera

Final depth : 45.11m

Casing depth : 1.52m.

Depth surveyed to : 45.11m.

Date surveyed : 20/2/75

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	284°	256°	10°15'	-79°45'	15.00	0.80	2.56
30.48	286°45'	258°45'	10°45'	-79°15'	29.99	1.44	5.29
45.11	286°30'	258°30'	11°	-79°	44.36	1.96	8.01

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 600/3

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
0 - 20.73	podded ph/ lower volcanics/ ph/gh	4		minor pyrite @ 11.94, 14.58, carbonate @ 10.33		98	90	0 - 0.80 collaring hole in - rubble, otherwise good core quality.
20.73 - 45.11	ch/ pgh/ ch/ pgh/ bph.	6		41.85 - 41.94: chlorite carbonate @ 39.01 31.30	45m:68°	99	87	26.92 - 27.73: core is broken into short lengths (less than 10cm).

FURTHER DATA & REMARKS (Compression Tests)

CORE SIZE. 0 - 0.55 NQ
0.55 - 45.11 BQ

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
2.44	2.44	2.30	94
5.49	3.05	3.00	98
8.53	3.04	2.97	97
11.58	3.05	2.99	98
14.63	3.05	3.02	99
17.68	3.05	3.02	99
20.73	3.05	3.05	100
23.77	3.04	3.04	100
26.82	3.05	2.98	98
29.87	3.05	3.08	101
32.92	3.05	3.02	99
35.97	3.05	3.00	98
39.01	3.04	3.05	100
42.06	3.05	3.04	100
45.11	3.05	3.02	99

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/3

SAMPLE No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
D0778	16	17	1.0	1.0	0.02	0.01	
9	17	18	"	"	0.85	0.18	17 - 19m,
80	18	19	"	"	0.68	0.07	2m @ 0.76% WO_3
1	19	20	"	"	0.21	0.10	0.13% Mo
2	20	21	"	"	<0.01	0.01	
3	21	22	"	"	0.05	0.02	
4	22	23	"	"	0.03	0.02	
5	23	24	"	"	0.03	0.01	
6	24	25	"	"	0.27	0.04	24 - 28m,
7	25	26	"	"	0.16	0.03	4m @
8	26	27	"	"	2.07	0.12	0.74% WO_3
9	27	28	"	"	0.47	0.05	0.09% Mo
90	28	29	"	"	0.07	0.01	
1	29	30	"	"	0.12	0.02	
2	30	31	"	"	0.08	0.02	
3	31	32	"	"	0.28	0.04	31 - 33m,
D0794	32	33	"	"	0.30	0.02	2m @ 0.29% WO_3 0.03% Mo
D0795	41.5	42.5	"	"	0.05	0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 600/3

LAB.	K.I.S.		LAB.	K.I.S.		LAB.	A.MDD.E.L.		LAB.	A.C.S.L.		Check & repeat analysis
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo. WO_3	
D 0783	0.05	0.02	BH 1618	0.01	< 0.01	BH 1619	0.06		BH 1620	0.060		
D 0788	2.07	0.12	BH 1621	1.84	0.05	BH 1622	2.20		BH 1623	2.15	2.16	
D 0793	0.28	0.04	BH 1624	0.19	< 0.01	BH 1625	0.38		BH 1626	0.34		

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG.

D.D.H. No: BH 600/3

0 - 2.05 PODDED PYROXENE HORNFELS

This fine grained light grey green pyroxene hornfels contains irregular pods and fragments often silicious in nature.

There is no scheelite in this unit.

2.05 - 15.88 LOWER VOLCANICS

Typical dark brown biotite rich volcanics with well developed feldspars apparent throughout this unit.

15.88 - 17.41 PYROXENE HORNFELS

A light grey green fine grained pyroxene hornfels with minor amounts of honey brown garnet especially towards the 17.5m mark. Minor scheelite mineralization is present in the last half metre.

17.41 - 19.60 GARNET SKARN (B lens)

A garnet pyroxene skarn well mineralized throughout. The first 60cm are veined by quartz and contains quite high molybdenite content. This unit has a distinctly podded appearance.

19.60 - 24.41 MARBLE

Typical 'B' lens marble grey in colour with some remnant banding. At this point there are a series of remobilized calcite veins present in the marble and some areas are pyroxene rich or garnet rich. e.g. 21.0m - 21.32m, 23.90 - 24.20m.

Some mineralization is present throughout especially in the impure areas.

24.41 - 27.68 PYROXENE GARNET HORNFELS

This is a disturbed banded unit light green brown in colour. Where the garnet is most common the core is most disturbed. Scheelite is present throughout this unit in varying amounts.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/3

27.68 - 41.86	MARBLE
	A fine grained spotted grey black marble banded in part. Some areas are disturbed and have recrystalized marble veins in them. Between 27.68 - 32.92 there is quite large amounts of pyroxene present in the marble and minor garnet is also present. Scheelite mineralization is present here.
41.86 - 42.39	PYROXENE GARNET HORNFELS
	A small amount of pyroxene garnet hornfels, quite well mineralized, occuring at the lower marble contact.
42.39 - 45.11 E.O.H.	BIOTITE PYROXENE HORNFELS
	A finely banded biotite pyroxene horfels in which the brown purple biotite horfels is predominant. Bedding is at 68° L.C.A.

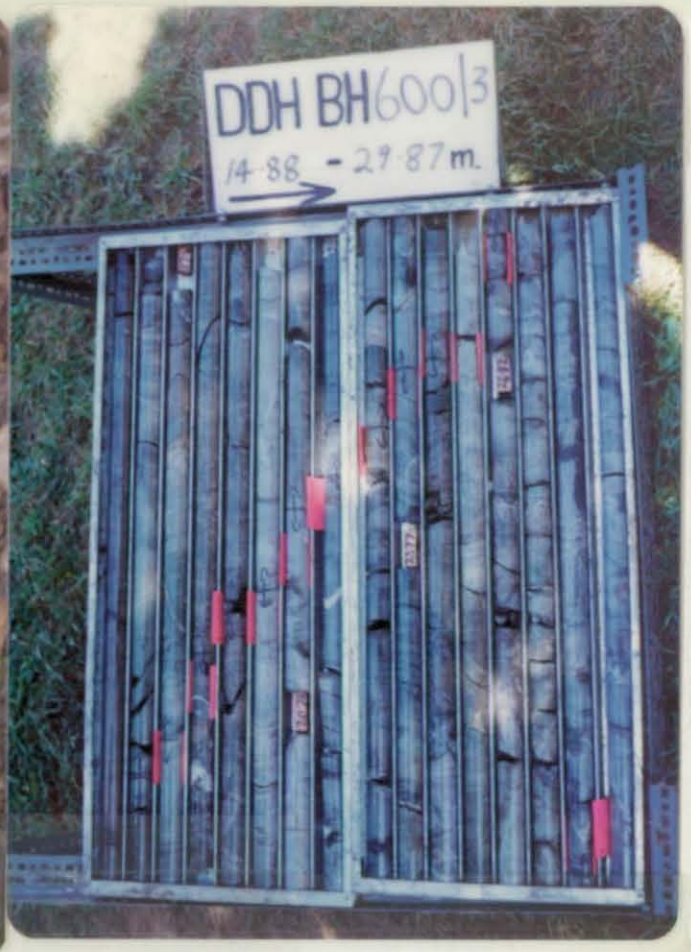
GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 600/3

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 0783	0.05	0.02	BH 1618	0.01	<0.01	BH 1619	0.06		BH 1620	0.060		
D 0788	2.07	0.12	BH 1621	1.84	0.05	BH 1622	2.20		BH 1623	2.15	2.16	
D 0793	0.28	0.04	BH 1624	0.19	<0.01	BH 1625	0.38		BH 1626	0.34		


DDH BH600/3
0.00 - 14.88 m.


DDH BH600/3
14.88 - 29.87m.


DDH BH600/3
29.87 - 45.11 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 600/2

PLANNING

Proposer: S.G. Brown. Depth: 60m.

Location: 10600N drilling cuddy off the N52.

Purpose of hole: To test 'B', 'C' and 'D' lenses.

Co-ordinates: 10 390 E 10 600 N

Inclination: -79° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 20/1/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 393.68 E 10 601.12 N

R.L. of collar: 1018.03 Inclination of hole: -78° 17' 04"

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

SUMMARY

Logged by : S.G. Brown.

Results: 15 - 25m 10m @ 0.70% WO_3
29 - 40m 11m @ 0.77% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 6/2/75 Date terminated: 19/2/75

Casing:	Size :	NX			
	Depth :	1.52			
Core:	Size :	NQ	BQ		
	Depth :	0.70	148.73		

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed through the mine series rock & into adamellite. Final depth: 148.73m.

Condition of hole on completion:

Casing : 1.52m NX remains.

Cemented : No.

Bore hole survey: Surveyed to 146.30m.

Water: Normal water return throughout.

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. NO. BH 600/2

Survey method : Multishot camera.
Final depth : 148.74m.
Casing depth : 1.52m.

Depth surveyed to : 146.30m.
Date surveyed : 19.2.75
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	084°	056°	9°45'	-80°15'	15.03	1.55	1.99
30.48	078°	050°	9°30'	-80°30'	30.06	3.15	3.99
45.72	079°	051°	9°15'	-80°45'	45.09	4.69	5.94
60.96	074°30'	046°30'	8°45'	-81°15'	60.16	6.25	7.59
76.20	069°	041°	8°	-82°	75.24	7.84	9.08
91.44	066°30'	038°30'	8°	-82°	90.34	9.50	10.37
106.68	063°	035°	8°15'	-81°45'	105.42	11.22	11.64
121.92	063°	035°	8°30'	-81°30'	120.51	13.00	12.88
137.16	063° 30'	035° 30'	8°30'	-81°30'	135.58	14.84	14.19
146.30	063°30'	035°30'	8°45'	-81°15'	144.62	15.98	14.99

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 600/2

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
0 - 26.82	ph/lower volcanics/ pg skarn.	4		minor carbonate, some clay.		99	90	0 - 0.70: rubble (collaring in).
26.82 - 42.06	ch/ pg skarn.	7		chlorite & pyrite @ 40.30.	27m:73°	99	84	39.36 - 40.23: core is broken into short (<10cm) lengths.
42.06 - 51.21	bph/bh	7		carbonate @ 44.30, 47.25. pyrite @ 51.00, 46.95.	45m:58°	99	83	Feature: Ptygmatic veining of "aplite" occurs at 44.45.
51.21 - 57.70	bh/ bph	16		minor chlorite, pyrite. carbonate @ 56.90, 53.05		105	29	Generally bad ground - particularly 52.0 - 57.60. penetrating carbonate veining occurs @ 53.60. Have a clino-humite filled fracture @ 56.60.

FURTHER DATA & REMARKS (Compression Tests)

Core size: 0.0 - 0.70 NQ
0.70 - 148.74 BQ.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 600/2

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
57.70 - 85.04	bph/ banded bpch	6		chlorite @ 71.10, 81.79. carbon-ate @ 76.40 84.43.	82m: 39° 84.5m: 38°	99	91	
85.04 - 87.78	bph/ fault zone	6				96	78	Core is brecciated & carbonate recemented: 86.90 - 87.78. (parts are weakly leached) Clinohumite occurs @ 87.05. (major fault).
87.78 - 112.17	bh/ cg skarn/ banded bpch	6		chlorite @ 93.88 95.00 97.80 111.80	100m: 77°	100	89	Weathered ground: 98.92 - 99.15 & 99.50 - 99.55. (Both sections have little structural strength). 91.16 - 91.27 core is broken and brecciated (99.22 - 91.25) and CO_3 recemented.

FURTHER DATA & REMARKS (Compression Tests)

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 600/2

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
112.17 - 139.75	banded bpch/ bph.	4		chlorite @ 117.10 118.46 131.00 136.65 carbonate at 120.75 134.35.	127m: 70° 137m:32°	99	93	136.20 - 136.24: brecciated & carbonate recemented. (minor fault).
139.75 - 148.74	granite.	3		carbonate @ 139.93 140.10		97	92	Weathered granite particles occur @ 146.70.

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). = $\frac{\text{length core } \geq 10\text{cms}}{\text{length } \sout{\text{recovered}} \text{ drilled}}$ %
3. Core size.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.44	2.44	2.44	100
5.49	3.05	3.03	99
8.53	3.04	2.99	98
11.58	3.05	3.04	100
14.63	3.05	3.04	100
17.68	3.05	2.97	97
20.73	3.05	3.04	100
23.77	3.05	3.05	100
26.82	3.05	3.04	100
29.87	3.05	3.06	100
32.92	3.05	3.00	98
35.97	3.05	3.00	98
39.01	3.04	3.04	100
42.06	3.05	3.05	100
45.11	3.05	3.10	102
48.16	3.05	3.05	100
51.21	3.05	2.90	95
52.73	1.52	1.80	118
54.25	1.52	1.58	104
56.08	1.83	1.72	94
57.30	1.22	1.25	102
60.35	3.05	3.05	100
63.40	3.05	2.90	95
66.45	3.05	3.00	98
69.49	3.05	3.02	99
72.54	3.05	3.02	99
75.59	3.05	3.06	100
78.64	3.05	3.08	101
81.69	3.05	3.05	100
84.73	3.04	3.03	100
85.04	0.31	0.31	100
87.78	2.74	2.64	96
90.83	3.05	3.02	99
93.88	3.05	3.03	99
96.93	3.05	3.05	100
99.97	3.04	3.05	100
103.02	3.05	3.02	99
106.07	3.05	3.03	99
109.12	3.05	3.04	100

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 112.17	3.05	3.04	100
115.21	3.04	3.04	100
118.26	3.05	3.00	98
121.31	3.05	3.00	98
124.36	3.05	3.05	100
127.41	3.05	3.02	99
130.45	3.04	2.97	98
133.50	3.05	3.03	99
136.55	3.05	3.05	100
139.60	3.05	2.98	98
142.65	3.05	2.93	96
145.69	3.05	2.95	97
148.74	3.05	2.95	97

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0729	13	14	1.0	1.0	0.05	0.01				
30	14	15	"	"	0.03	0.01				
1	15	16	"	"	0.39	0.04				
2	16	17	"	"	0.70	0.04				
3	17	18	"	"	1.31	0.08				15 - 25m,
4	18	19	"	"	1.00	0.08				10m @
5	19	20	"	"	1.10	0.08				0.70% WO_3
6	20	21	"	"	0.27	0.04				0.06% Mo
7	21	22	"	"	0.23	0.04				
8	22	23	"	"	0.97	0.09				
9	23	24	"	"	0.66	0.07				
40	24	25	"	"	0.38	0.06				
1.	25	26	"	"	0.18	0.03				
2	26	27	"	"	0.21	0.04				
3	27	28	"	"	0.01	0.01				
4	28	29	"	"	0.07	0.02				
5	29	30	"	"	0.56	0.06				
6	30	31	"	"	0.24	0.04				29 - 40m
7	31	32	"	"	0.19	0.03				11m @
8	32	33	"	"	0.44	0.05				
9	33	34	"	"	0.39	0.05				0.77% WO_3
50	34	35	"	"	0.45	0.04				0.06% Mo
1	35	36	"	"	1.84	0.12				
2	36	37	"	"	2.50	0.16				
3	37	38	"	"	0.22	0.03				
4	38	39	"	"	0.47	0.04				
5	39	40	"	"	1.19	0.08				
6	40	41	"	"	0.19	0.02				
D0757	41	42	"	"	0.03	0.02				
D0758	77	78	"	"	0.05	0.02				
9	78	79	"	"	0.02	0.01				
60	79	80	"	"	0.04	0.01				
1	80	81	"	"	0.15	0.03				
D0762	81	82	"	"	0.04	0.01				
D0763	89	90	"	"	0.05	0.02				
4	90	91	"	"	0.07	0.01				
5	91	92	"	"	0.24	0.03				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No BH 600/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
D0766	92	93	1.0	1.0	0.12	0.02	
7	93	94	"	"	0.46	0.04	1m @ 0.46% WO_3
8	94	95	"	"	0.07	0.02	
D0769	102	103	"	"	0.12	0.02	
D0770	107	108	"	"	0.02	0.01	
1	108	109	"	"	0.21	0.03	
2	109	110	"	"	0.06	0.02	
D0773	121	122	"	"	0.07	0.02	
4	122	123	"	"	0.82	0.06	1m @ 0.82% WO_3
D0775	131.5	132.5	"	"	0.05	0.02	
6	132.5	133.5	"	"	0.03	0.02	
D0777	133.5	134.5	1.0	1.0	0.19	0.02	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 600/2

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 0733	1.31	0.08	BH 1603	1.14	0.02	BH 1604	1.45		BH 1605	1.26	
D 0743	<0.01	0.01	BH 1606	<0.01	<0.01	BH 1607	<0.005		BH 1608	0.006	
D 0753	0.22	0.03	BH 1609	0.18	<0.01	BH 1610	0.30		BH 1611	0.30	
D 0763	0.05	0.02	BH 1612	0.01	<0.01	BH 1613	0.04		BH 1614	0.039	
D 0773	0.07	0.02	BH 1615	0.04	<0.01	BH 1616	0.07		BH 1617	0.068	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/2

0 - 1.8m PYROXENE HORNFELS (podded)

A fine grained light green pyroxene rich matrix in which irregular fragments of carbonate and silica rich material occur.

Only very minor mineralization is apparent here.

1.80m - 13.24m LOWER VOLCANICS

A typical biotite rich spotted lower volcanic with well developed feldspar laths apparent in some areas.

This contact between this and the above unit is very sharp at approximately 18° L.C.A.

13.24 - 26.62 PYROXENE GARNET SKARN

Initially very pyroxene rich but becoming more garnet rich below, minor calcite is also present in some areas.

Scheelite is present as fine crystals throughout the unit but tends to be greatest in the garnet rich areas.

26.62 - 28.79 MARBLE

A fine grained recrystalized marble showing fine banding throughout.

This unit is almost completely unmineralized, bedding approximately 73° L.C.A. at 27.0m.

28.79 - 41.23 PYROXENE GARNET SKARN

This unit is similar to the skarn above but contains minor areas of unreplaced marble especially between 30m - 33m.

This unit is more garnet rich below 37.5m and is a garnet skarn. Good scheelite is present throughout this unit.

41.23 - 46.12m BIOTITE PYROXENE HORNFELS

This is a banded unit in which the biotite forms by far the larger part of the unit.

The pyroxene bands are extremely fine and are often associated with ptegmatic quartz veins.

Bedding at 45m is approximately 58° L.C.A.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/2

46.12 - 53.05 BIOTITE HORNFELS

A fine grained brown purple biotite quartz hornfels with minor irregular spots and pods. These spots are often biotite or pyrite rich and the pods appear siliceous or pyroxene rich.

The core is extremely broken between 51.7 and 53.05.

53.05 - 60.14m BIOTITE PYROXENE HORNFELS

This unit is unbanded and very disturbed in nature. A number of faults cut this unit at 54.75m, 56.58m, 56.80m and possibly at 57.6m.

The core is extremely fragmental and appears to have been broken during a semi fluid state.

60.14 - 77.30 BIOTITE PYROXENE HORNFELS PODDED

Dominantly a light green fine grained pyroxene rich rock type with irregular areas rich in biotite present throughout.

The unit is very disturbed and contains siliceous fragments and pods as well as pods of garnet.

Some scheelite and molybdenite is visible in the more pyroxene rich areas of this core.

The pyroxene rich areas look similar in texture to normal skarn but with few garnets or scheelite. This must be the lateral equivalent of C lens.

77.30 - 81.72 BANDED BIOTITE PYROXENE CALCITE GARNET HORNFELS

The dominant units are pyroxene and calcite with lesser amounts of biotite and garnet hornfels. The garnet usually occurs as rims on the calcite horizons. Minor scheelite is present in the garnet rich areas of this unit.

81.72 - 85.88 BIOTITE PYROXENE HORNFELS

A finely banded light grey green pyroxene hornfels with fine bands of quartz rich material present throughout.

Some biotite rich bands are also present in this area.
at 82m bedding is at 39° L.C.A.
at 84.5m bedding is at 38° L.C.A.

85.88 - 87.78 FAULT ZONE

A zone of broken biotite and pyroxene hornfels with large amounts of infilling of calcite and clinohumite.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 600/2

87.78 - 89.12m BIOTITE HORNFELS

A very fine grained dark black purple rock with no apparent bedding.

89.12 - 93.43 CALCITE GARNET SKARN

Essentially a disturbed marble with quite large amounts of pyroxene hornfels prsent in some areas. Garnet is common throughout and scheelite is commonly associated with it.

The unit has a disturbed banded appearance.
banding at 91.2m approximately 26° L.C.A.
93.5m " 58° "

93.43 - 123.20m BANDED BIOTITE PYROXENE CALCITE HORNFELS

This is a well bedded unit in which initially calcite is the most prominent member. Below 118.36m the biotite pyroxene hornfels dominates.

Garnet is present both as veins on the calcite bands and alson as separate bands.

In some areas the banding is disturbed and the unit is almost podded.

Banding at 96m approximately 90° L.C.A.
100m " 77° "
103.5m " 55° "
106.1m " 62° L.C.A.
109m " 40° " (disturbed)
111.5m " 65° "
114.0m " 57° "
116.5m " 55° "
118.0m " 72° "
122m " 65° L.C.A.

123.20 - 139.75 BIOTITE PYROXENE HORNFELS

A very finely banded biotite pyroxene hornfels. Some disturbance of the bedding is apparent at between 130.0 - 130.4m and again at 131.0m.

Between 131.5 and 134.5m the light grey green pyroxene hornfels is dominant and some minor garnet bands are present.

Bedding at 127m approximately 70° L.C.A.
at 137m " 32° "

139.75 - 148.73 GRANITE
E.O.H.

Typical fresh Bold Head adamellite.

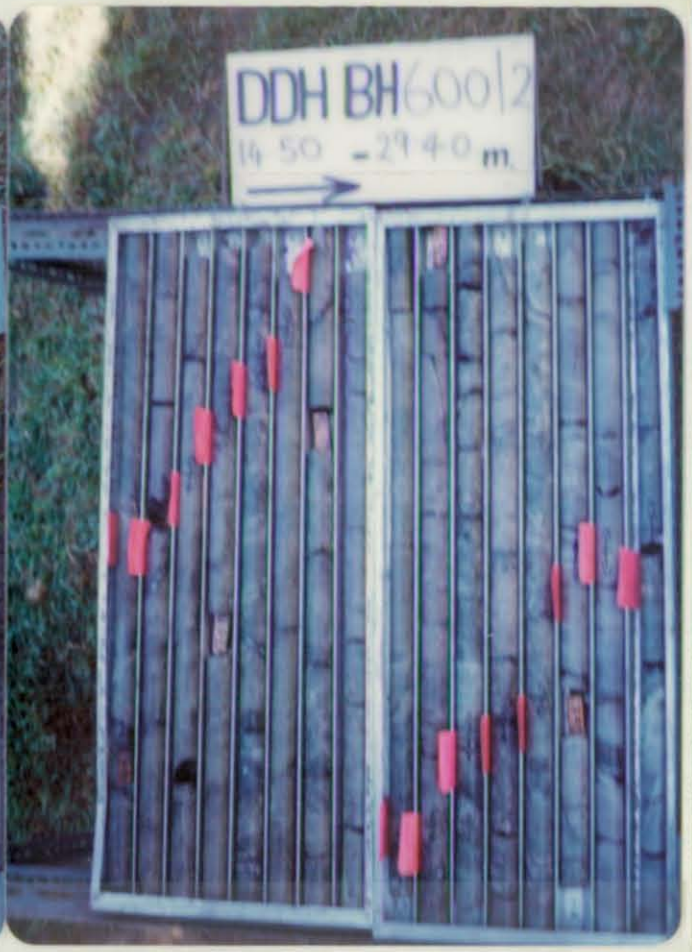
GEOPEKO LIMITED - KING ISLAND

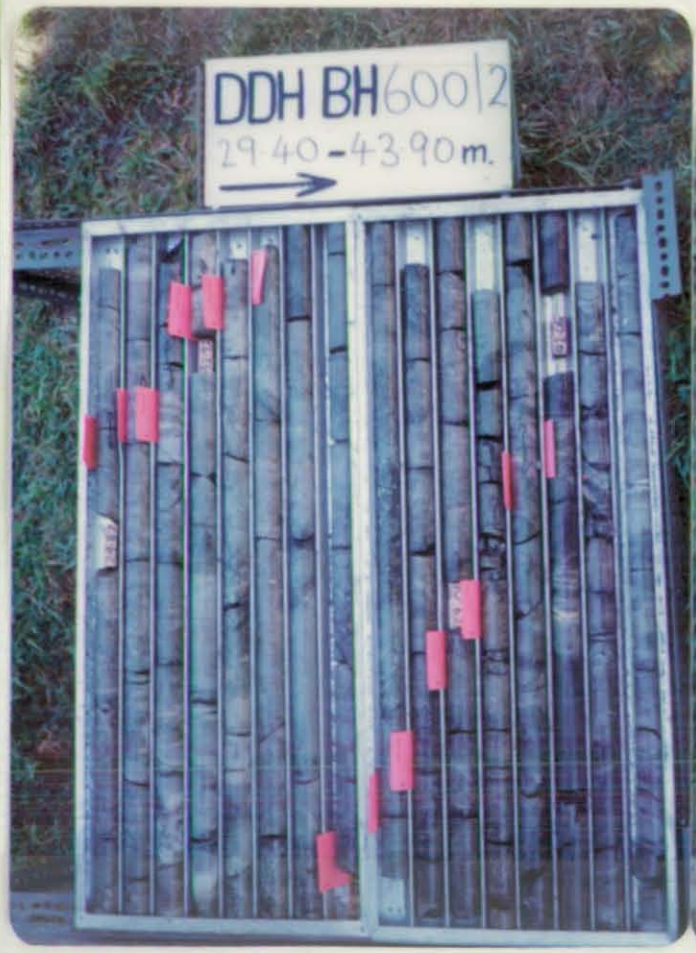
CHECK ASSAY DATA

D.D.H. 600/2

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 0733	1.31	0.08	BH 1603	1.14	0.02	BH 1604	1.45		BH 1605	1.26		
D 0743	<0.01	<0.01	BH 1606	<0.01	<0.01	BH 1607	<0.005		BH 1608	0.006		
D 0753	0.22	0.03	BH 1609	0.18	<0.01	BH 1610	0.30		BH 1611	0.30		
D 0763	0.05	0.02	BH 1612	0.01	<0.01	BH 1613	0.04		BH 1614	0.039		
D 0773	0.07	0.02	BH 1615	0.04	<0.01	BH 1616	0.07		BH 1617	0.068		


DDH BH
0.00 - m.


DDH BH600/2
14.50 - 29.40 m.

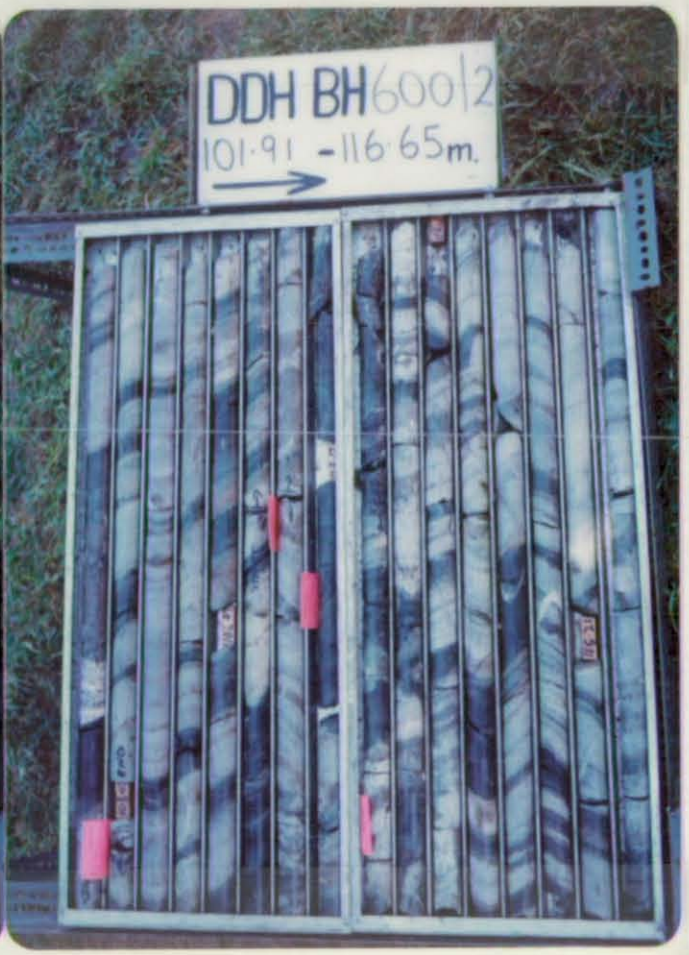

DDH BH600/2
29.40 - 43.90 m.


DDH BH600/2
43.90 - 57.45 m.


DDH BH600/2
57.45 - 72.36m.

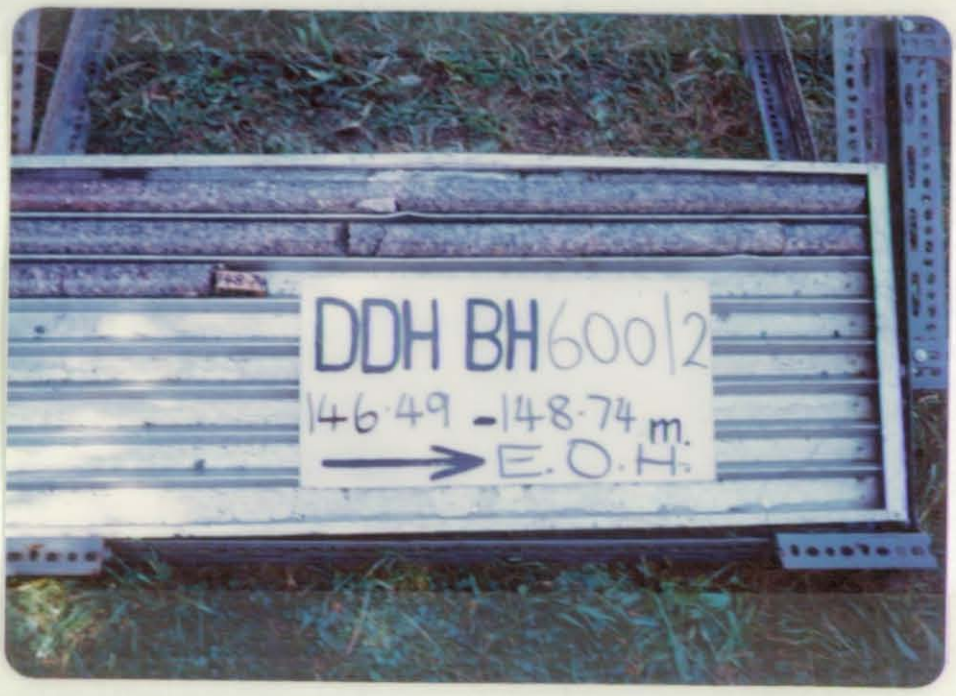

DDH BH600/2
72.36 - 87.10 m.


DDH BH600/2
87.10 - 101.91 m.


DDH BH600/2
101.91 - 116.65m.


DDH BH600/2
116·65 - 131·70m.


DDH BH600/2
131·70 - 146·49m.


DDH BH600/2
146·49 - 148·74 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No.BH 600/1

PLANNING

Proposer: S.G. Brown. Depth: 12m

Location: 10600N cuddy on N52. drive.

Purpose of hole: To test for fault orebody at 1020 R.L.

Co-ordinates: 10397 E 10600 N

Inclination: Horizontal Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date: 1/2/75

SURVEY

Survey Co-ords: E N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 397.20 E 10 600.39 N

R.L. of collar: 1019.68 Inclination of hole: + 1° 07' 55"

Picked up by : J. Cook. Date: 12/2/75

Logged by : S.G. Brown.

SUMMARY

Results: 0 - 2m, 2m @ 0.71% WO_3
4 - 7m, 3m @ 0.68% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 4/2/75 Date terminated: 6/2/75

Casing: Size : NIL

Depth :

Core: Size : EW

Depth : 10.36

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: hole passed through the boundary fault. Final depth: 10.36m.

Condition of hole on completion:

Casing : NIL

Cemented : NO.

Bore hole survey: Hole unsurveyed.

Water:

Comments on drilling conditions:

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. NO. BH 600/1

Depth Interval (metres)	Rock Type	Fractures / Metre	Joint Angle	Joint Filling	Bedding Angle	% Core Recovery	Broken Core % >10cms (R.Q.D.)	Remarks (weathering)
0 - 7.76	gp skarn/ bph	8		minor clay.	7m:57°	100	76	
7.76 - 10.36	q	20		clino-humite @ 7.76, 7.87, 7.94, 8.10 minor pyrite.		100	30	Boundary fault - 7.62 - 8.06

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: 0 - 10.36m EW (24mm diametre).

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 600/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.51	2.51	2.58	103
4.88	2.37	2.34	99
6.25	1.37	1.26	92
7.62	1.37	1.47	107
9.45	1.83	1.88	103
10.36	0.91	0.91	100

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 600/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0704	0	1	1.0	1.0	0.91	0.06				0 - 2m
5	1	2	"	"	0.50	0.04				2m @ 0.71% WO_3
6	2	3	"	"	0.03	0.01				0.05% Mo.
7	3	4	"	"	0.22	0.05				
8	4	5	"	"	0.30	0.04				4 - 7m,
9	5	6	"	"	0.42	0.04				3m @
D0710	6	7	"	"	1.32	2.37				0.68% WO_3
										0.82% Mo.

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 600/1

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 0710	1.32	2.37	BH 1600	1.14	1.40	BH 1601	1.30		BH 1602	1.30	1.28	

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. 600/1 BH.

0 - 6.59 GARNET PYROXENE SKARN

A rather irregular garnet pyroxene skarn with some patches of garnet poor pyroxene and biotite hornfels present in it as follows:-

1.97 - 2.41 pyroxene hornfels.
2.86 - 3.25 biotite hornfels.

From 5.18 - 6.20m the skarn contains up to 15% pyrite and sulphides while from 6.20 - 6.50 the core is quartz rich with a high molybdenite content.

6.59 - 7.62 BIOTITE PYROXENE HORNFELS

A disturbed unit of unmineralized biotite pyroxene hornfels with some remnant beddings.
bedding at 7.0m approx. 57 L.C.A.

7.62 - 8.06 FAULT ZONE

The boundary fault in quartzites with some minor clinohumite present on fractures.

8.06 - 10.36 QUARTZITES
E.O.H

Typical grey quartzites with quite noticeable amounts of pyrite on the joints.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 600/1

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			Repeat and check analyisis
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	~~Mo~~ WO3	
D 0710	1.32	2.37	BH 1600	1.14	1.40	BH 1601	1.30		BH 1602	1.30	1.28	


DDH BH 600/1
0·00 - 10·36 m.
2·51
4·66
7·62
9·45
10·36

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 595/2

PLANNING

PROPOSER: R. E. Sandell Davies DEPTH: 15m

LOCATION: L 59E Stope

PURPOSE OF HOLE: Test Ore Against Boundary Fault

PROPOSED CO-ORDS: 40407 E 10595 N

INCLINATION: -45°

BEARING: 090 °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown DATE: 2/8/79

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 95° 04' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40407.6 E 10594 N

R.L. OF COLLAR: 940.2

INCLINATION OF HOLE: -44° 50'

PICKED UP BY: B. Lennon DATE: 23/8/79

SUMMARY

LOGGED BY: R. E. Sandell Davies

RESULTS: No Economic Mineralisation

DRILLING

DATE COMMENCED: 22/8/79 DATE TERMINATED: 23/8/79

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

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 15m

REASON FOR TERMINATION: Passed Through Boundary Fault

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Not Surveyed.

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 595/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.2m	2.2	2.2	100
2.2 - 4.5	2.3	2.1	91
4.5 - 6.6	2.1	2.1	100
6.6 - 7.6	1.0	1.0	100
7.6 - 8.4	0.8	0.65	81
8.4 - 11.5	3.1	1.5	48
11.5 - 13.6	2.1	1.6	76
13.6 - 15.0	1.4	1.27	91
EOH 15.0m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 595/2

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 7261	6	7	1.0	1.0	0.32	0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 595/2

0.0 - 2.18 m CALC HORNFELS

This unit is mostly a light grey, medium grained, disturbed marble. However the first 40 cm consists of the garnet/silica rock encountered in BH 595/1

There is no ore in this unit.

2.18 - 8.2 PYROXENE GARNET HORNFELS

This rock is dominantly green though with significant orange grossular garnet and some biotite hornfels interbeds. The unit has a typical podded appearance.

From 66 - 6.8m the unit is mineralised to about 0.9% but the rest of the core is barren.

Bedding 60^{o} to LCA @ 2.6m

The contact between this unit and the quartzites is not well defined because of extensive loss of core at the Boundary Fault.

8.2 - 15.0 QUARTZITES

Much broken and rubbly core at the start of this unit, together with poor core recovery indicates the Boundary Fault.

This unit is unmineralised, dark grey, fine grained and massive. Only a small amount of pyrite is present.

EOH 15.0m


DDH BH 595/2
0.00 — 15.00 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 595/1

PLANNING

PROPOSER: R. E. Sandell Davies — DEPTH: 10m

LOCATION: L59 E Stope

PURPOSE OF HOLE: Test Ore East of Face

PROPOSED CO-ORDS: 40407 E 10595 N

INCLINATION: 0

BEARING: 090 °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown — DATE: 17/8/79

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 95° 50' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40407.8 E 10594.0 N

R.L. OF COLLAR: 940.8

INCLINATION OF HOLE: -3° 11'

PICKED UP BY: B. Lennon — DATE: 21/8/79

SUMMARY

LOGGED BY: R. E. Sandell Davies

RESULTS: No Economic Mineralisation

DRILLING

DATE COMMENCED: 20/8/79 DATE TERMINATED: 22/8/79

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

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 13m

REASON FOR TERMINATION: Passed Through Boundary Fault

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Not Surveyed

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 595/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.6m	2.6	2.6	100
2.6 - 3.8	1.2	1.2	100
3.8 - 4.5	0.7	0.7	100
4.5 - 5.2	0.7	0.7	100
5.2 - 6.1	0.9	0.9	100
6.1 - 6.9	0.8	0.8	100
6.9 - 9.2	2.3	2.3	100
9.2 - 10.0	0.8	0.8	100
10.0 - 13.0	3.0	3.0	100
EOH 30.0m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 595/1

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 7257	0	1	1.0	1.0	0.05	0.01		
7258	1	2	"	"	0.04	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 595/1

0.0 - 1.22m DISTURBED GARNET HORNFELS

This is a disturbed unit and is cut by many small (0.5 - 1 cm wide) veins and fractures of pyroxene rich material.

Grain size is moderate, and the rock consists of alternating dark and light crystals, the darker ones probably being garnets the lighter ones a quartz rich matrix.

Some rare specks of scheelite are present.

1.22 - 6.3 PYROXENE HORNFELS

This is a massive unstructured unit, having an overall green colour. Some orange grossular garnet is occasionally present.

The only features of the unit are small patches (0.5 cm) of siliceous material randomly spread through the unit. They are sometimes associated with the grossular garnet.

2 or 3 specks of scheelite were observed.

The boundary fault seperates this unit from the pyroxene hornfels and is thought to occur from 5.65 - 6.3m

6.3 - 13.0 QUARTZITES

This rock is a dark grey, fine grained massive rock. It is characterised by abundant pyrite which may be in clusters, associated with veins or planar features, possibly bedding.

?Bedding 80^{o} to LCA @ 10.7 m

EOH 13.0 m


DDH BH 595/1
0.00 — 13.00 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 588/2

PLANNING

Proposer: R. Van den Bogaart — Depth: 10m

Location: E 53

Purpose of hole: Test B West

Co-ordinates: 40312 E 10587.5 N
Inclination: +90°
Bearing 360 Grid
Target: E N
Approved by: M.J.Danielson

Magnetic:
Target Depth:
Date: 1/5/77

SURVEY

Survey Co-ords: 40 307.44 E 10 587.58 N
Survey bearing: - Grid
Surveyed in by:
Actual Co-ords: E N
R.L. of Collar: 998.21
Picked up by: A. Grigulis

Magnetic:
Date:
Inclination of Hole: +90°
Date: 1/6/77

SUMMARY

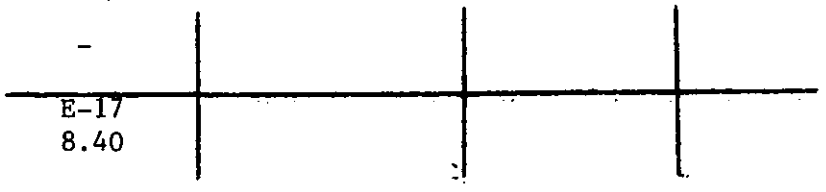
Logged by: R. Van den Bogaart
Results: No mineralisation encountered.

DRILLING

Driller/Contractor: K.I.S.

Date commenced: 27/5/77 — Date terminated: 28/5/77

Casing: Size: -
Depth:
Core: Size: E-17
Depth: 8.40



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

Extension: Nil
Reason for termination: Entered Middle Volcanics above ore horizon.

Condition of hole on completion: — Final depth: 8.40
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. BH 588/2

Survey method:

Final depth :

Casing depth :

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 588/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.40	2.40	2.38	99
3.90	1.50	1.48	99
5.40	1.50	1.56	104
6.90	1.50	1.53	102
8.40	1.50	1.46	97

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 588/2

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
		CORE NOT ASSAYED						

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 588/2

0.00 - 2.10 MARBLE

A grey well bedded unit of marble containing bands rich in pyroxene and grossularite. Only minor mineralisation is associated with the pyroxene-grossularite rich bands.
Bedding is at
≃ 82° LCA at 0.50m
≃ 87° LCA at 2.0m

2.10 - 3.0 BANDED BIOTITE PYROXENE HORNFELS

A mixed unit consisting essentially of biotite pyroxene hornfels, but also containing bands rich in calcite, andradite-grossularite. Minor scheelite mineralisation is associated with the andradite-grossularite bands.
Banding is at
≃ 77° LCA at 2.10
≃ 78 LCA at 2.80

3.0 - 5.83 APLITE

A grey-white, coarsed grained biotite rich unit of aplite, consisting of orthoclase? and pink plagioclase with quartz and biotite. Some large pink plagioclase phenocrysts are noted. Biotite is concentrated in bands. A quartz vein occurs at 5.25m. The unit is barren of scheelite mineralisation.

5.83 - 6.00 BANDED BIOTITE PYROXENE HORNFELS

A small unit of Biotite Pyroxene hornfels containing minor bands rich in grossularite. The unit contains only minor scheelite.

6.00 - 8.40 MIDDLE VOLCANICS

A dark unit of Middle Volcanics containing laths and blebs of white feldspar. Pyrite and pyrrohotite occur throughout. A major fracture ≃27° LCA occurs at 6.13m A biotite rich area adjacent the major fracture shows banding parallel to the fracture. ie ≃27° LCA.

The unit is devoid of scheelite mineralisation.


DDH BH 588/2
0.0 - 8.40m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 588/1

PLANNING

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

Location: E.53

Purpose of hole: Test B West.

Co-ordinates: 40312 E 10587.5 N
Inclination: -90° Magnetic:
Bearing 360° Grid Target Depth:
Target: E N
Approved by: M.J. Danielson Date: 1/5/77

SURVEY

Survey Co-ords: 40307.50 E 10587.55 N
Survey bearing: Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: E N
R.L. of Collar: 995.87 Inclination of Hole: -90
Picked up by: A. Grigulis Date: 6/6/77

SUMMARY

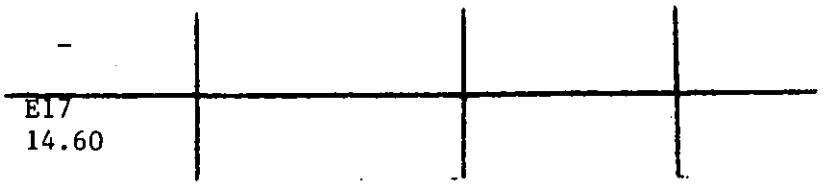
Logged by: R. Van den Bogaart
Results: 3.0 - 4.0, 1m @ 0.65% WO_3
5.0 - 6.0, 1m @ 0.49% WO_3
11.0 - 13.0, 2m @ 0.50% WO_3

DRILLING

Driller/Contractor: K.I.S.

Date commenced: 25/5/77 Date terminated: 27/5/77

Casing: Size: -
Depth:
Core: Size: E17
Depth: 14.60



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

Extension: Nil
Reason for termination: Entered podded Biotite Pyroxene Hornfels below marble.
Condition of hole on completion: (Final depth: 14.60)
Casing: -
Cemented: -
Bore hole survey: No
Water: No

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 588/1

Survey method:

Final depth : 14.6m

Casing depth :

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 588/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0. - 2.60	2.60	2.64	102
4.00	1.40	1.31	94
6.20	2.20	2.12	96
8.20	2.00	2.04	102
10.60	2.40	2.51	105
13.60	3.0	2.89	96
14.60	1.0	1.04	104
E.O.H.			

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BOLD HEAD 588/1

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH4639	1.0	2.0	1.0	1.0	<0.01	<0.01		
40	2.0	3.0	1.0	1.0	0.11	<0.01		
1	3.0	4.0	1.0	1.0	0.65	0.02		
2	4.0	5.0	1.0	1.0	<0.01	<0.01		
3	5.0	6.0	1.0	1.0	0.49	0.01		
4	6.0	7.0	1.0	1.0	<0.01	<0.01		
5	10.0	11.0	1.0	1.0	<0.01	<0.01		
6	11.0	12.0	1.0	1.0	0.61	0.03		
47	12.0	13.0	1.0	1.0	0.38	0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 588/1

0.0 - 2.40	MARBLE A unit of grey well bedded marble containing minor bands rich in pyroxene and grossularite. The unit is barren of scheelite mineralisation. Bedding is at $\simeq 76^{\circ}$ LCA @ 0.20m. $\simeq 76^{\circ}$ LCA @ 2.10m.
2.40 - 5.65	MINERALISED MARBLE A unit of marble containing bands and patches rich in pyroxene, grossularite, andradite and actinolite. The scheelite mineralisation is erratic and associated with the andradite, grossularite-pyroxene rich areas. The unit is probably sub-grade. Remant Bedding is noted and is $\simeq 76^{\circ}$ LCA at 2.60 $\simeq 74^{\circ}$ LCA at 4.00
5.65 - 11.15	MARBLE A well bedded grey unit of marble. Initially the unit is rich in pyroxene and minor grossularite (up to 7.40m). Only minor scheelite mineralisation is associated with the pyroxene rich area. Bedding is at $\simeq 77^{\circ}$ LCA at 6.30m $\simeq 56^{\circ}$ LCA at 7.60m $\simeq 76^{\circ}$ LCA at 10.0m
11.15 - 12.70	PYROXENE GARNET SKARN A brownish-green unit of pyroxene garnet skarn, consisting essentially of pyroxene, andradite and grossularite. The unit is pyroxene rich. The unit contains fine grained scheelite mineralisation throughout.
12.70 - 14.60 E.O.H.	PODDED BIOTITE PYROXENE HORNFELS A disturbed unit of Biotite Pyroxene Hornfels containing angular to sub-round siliceous pods. The unit has pyrite throughout. The unit is silicified between 13.20 - 13.40m.


DDH BH 588/1
0·0 - 14·60 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 586/1

PLANNING

Proposer: S.G. Brown — Depth: 3.0m.

Location: N 54 stope.

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

Co-ordinates:	10 398	E	10 586	N
Inclination:	-90°			Magnetic:
Bearing		Grid		Target Depth:
Target:		E		N
Approved by:	M.C. Rogers			Date: 10/11/76

SURVEY

Survey Co-ords:	10 398.45	E	10 585.85	N
Survey bearing:		Grid		Magnetic:
Surveyed in by:				Date:
Actual Co-ords:		E		N
R.L. of Collar:	981.29			Inclination of Hole: -90°
Picked up by:	M.G.H.			Date: 17/11/76

SUMMARY

Logged by: R. van den Bogaart.

Results: 0.0 - 6.8m, 6.8m @ 0.66% WO_3.

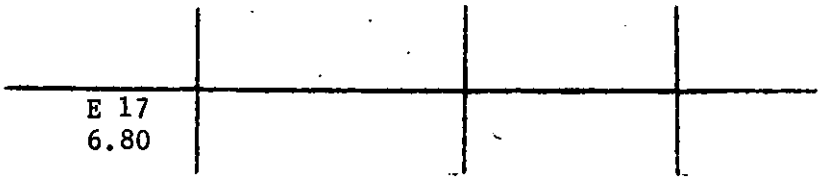
DRILLING

Driller/Contractor: Geopeko

Date commenced: 10/11/76 — Date terminated: 12/11/76

Casing: Size:
Depth:

Core: Size:
Depth:



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

Extension: Nil

Reason for termination: Lack of suitable size drilling rods to be able to continue drilling.

Condition of hole on completion: — Final depth: 6.80m.
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. B 586/1

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 586/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 1.50	1.50	1.28	85
2.80	1.30	1.24	95
3.80	1.0	1.06	106
5.80	2.0	2.02	101
6.80	1.0	1.00	100
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 586/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH								
4102	0.00	1.00	1.0	1.0	0.46	0.01		
3	1.00	2.00	1.0	1.0	0.66	0.03		
4	2.00	3.00	1.0	1.0	1.43	0.07	0.00 - 6.80m, 6.8m @ 0.66% WO_3	
5	3.00	4.00	1.0	1.0	0.27	<0.01		
6	4.00	5.00	1.0	1.0	0.79	0.04		
7	5.00	6.00	1.0	1.0	0.20	<0.01		
4108	6.00	6.80	0.80	0.80	0.81	<0.03		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 586/1

0.00 - 6.80 PYROXENE GARNET SKARN

A unit consisting essentially of pyroxene garnet skarn, but containing minor areas of mineralised and barren marble. The units are as follows:

→0.00 - 3.04 PYROXENE GARNET HORNFELS

A brownish - green unit consisting of andradite, pyroxene and calcite with minor grossularite, actinolite and pyrrhotite. The unit contains fine to medium grained scheelite throughout and is expected to reach ore grade.

→3.04 - 3.80 MINERALISED MARBLE

A greyish - green unit of mineralised marble containing abundant patches of pyroxene. The unit is rich in pyrrhotite. Scheelite content is erratic and is confined to pyroxene rich areas. This unit may reach low grade ore.

→3.80 - 5.06 PYROXENE GARNET HORNFELS

As above.

→5.06 - 5.54 MARBLE

A typical greyish - white unit of marble containing irregular vein of white calcite. The unit is barren.

→5.54 - 6.80 PYROXENE GARNET HORNFELS

As above.

→6.80 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 586/1

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	
BH 4105	0.27		BH 2247	0.31		BH 2248	0.38		BH 2249	0.29		

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 576/1

PLANNING

Proposer: S.G. Brown — Depth: 3.0m.

Location: N 54 stope

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

Co-ordinates:	10398	E	10576	N
Inclination:	-90°			Magnetic:
Bearing		Grid		Target Depth:
Target:		E		N
Approved by:	M.C. Rogers			Date: 10/11/76

SURVEY

Survey Co-ords:	10 398.33	E	10 576.88	N
Survey bearing:		Grid		Magnetic:
Surveyed in by:				Date:
Actual Co-ords:	As above.	E		N
R.L. of Collar:	981.33			Inclination of Hole: -90°
Picked up by:	M.G.H.			Date: 17/11/76

SUMMARY

Logged by: R. van den Bogaart

Results: Sub grade
1.0 - 2.0m, 1m @ 0.45% WO_3.

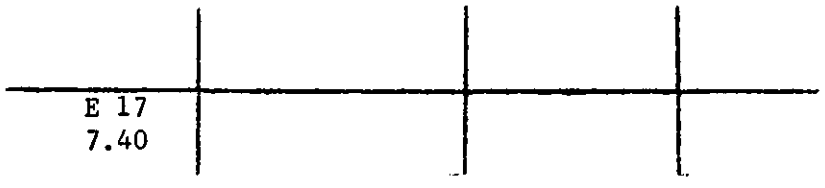
DRILLING

Driller/Contractor: Geopeko

Date commenced: 12/11/76 — Date terminated: 14/11/76

Casing: Size:
Depth:

Core: Size: E 17
Depth: 7.40



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

Extension: Nil

Reason for termination: Entered barren marble

Condition of hole on completion: — Final depth: 7.40
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. B 576/1

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 576/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 1.00	1.00	0.97	97
3.50	2.50	2.24	90
6.40	2.90	2.99	103
7.40	1.00	1.00	100
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 576/1

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 4109	0.00	1.00	1.00	1.00	0.10	<0.01	
4110	1.00	2.00	1.00	1.00	0.45	0.02	1.0 - 2.0m, 1m @ 0.45% WO_3
1	2.0	3.00	1.00	1.00	0.20	<0.01	
2	5.00	6.00	1.00	1.00	<0.01	<0.01	
3	6.00	7.00	1.00	1.00	<0.01	<0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 576/1

0.00 - 0.12 PYROXENE GARNET SKARN

A small unit of brownish green pyroxene garnet skarn consisting essentially of andradite garnet, pyroxene and calcite with minor actinolite. The unit contains fine grained scheelite throughout.

0.12 - 1.02 MARBLE

A typical greyish - white marble containing some small patches rich in pyroxene. Some fine grained scheelite is associated with the pyroxene rich areas. Some remnant bedding is noted. Remnant bedding is at 25° LCA @ 0.60m.

1.02 - 2.12 MINERALISED MARBLE

Asmall unit of mineralised marble consisting of pyroxene, andradite, and calcite with minor grossularite and actinolite. The unit contains medium grained scheelite throughout.

2.12 - 5.82 MARBLE

As above.

The unit also contains some veins of calcite with wollastonite, and light green diopside. The unit is barren of scheelite mineralisation. Remnant bedding is at 46° LCA @ 3.45m.

5.82 - 6.31 MINERALISED MARBLE

A small unit of mineralised marble containing abundant pyroxene with lesser amounts of grossularite and actinolite. The small unit contain medium grained scheelite but is expected to be subgrade.

5.82 - 7.40 MARBLE

As above.

7.40 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 576/1

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	
BH 4110	0.45		BH 2250	0.47		BH 2857	0.51		BH 2858	0.42		


DDH BH 576/1
0000 - 740 m.
EOH

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 575/16

PLANNING

Proposer: .....J.M. CLARK..... Depth: ..8.....

Location: .....Q55 drive.....

.....

Purpose of Hole: ..To test for ore above Q55 drive.....

Co-ords: ...40378..... E ...10575..... N

Inclination: .Vertically up.....

Bearing: .....°Grid .....°Mag

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

Depth: .....

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

SURVEY

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

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

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

Actual Co-ords: .40378.7..... E .10574.4..... N

R.L. of Collar: .937.1.....

Inclination of Hole: .VERT UP.....

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

SUMMARY

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

Results: ..0-3 m, 3 m at 0.66% WO_3 0.01% Mo.....

.....

.....

.....

DRILLING

Date Commenced: .22-7-1978..... Date Terminated..23-7-1978...

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

Casing: Size :

Depth :

Core: Size : E17

Depth : 8.0

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason .

Extension:

Final Depth: 8.0 m

Reason for Termination: In unmineralized biotite - Pyroxene hornfels (podded)

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: No

Water: No

Comments on Drilling Conditions: Good.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/16

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6554	0	1	1.0	1.0	0.55	<0.01		
55	1	2	"	"	0.74	0.01		
56	2	3	"	"	0.70	0.01		
57	3	4	"	"	<0.01	<0.01		
58	4	5	"	"	0.62	<0.01		
59	5	6	"	"	<0.01	0.01		
60	6	7	"	"	<0.01	0.01		
61	7	8	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/16

0.0 - 4.80 m

PYROXENE GARNET HORNFELS

Distinct calcite pods are not common in this unit. Instead there are patches of coarse grained calcite and epidote in a finer grained matrix of pyroxene, grossular and calcite. Scheelite is present from 0.0 - 3.1 m and 4.0 - 4.4 m (It is slightly less abundant from 0.0 - 1.0 m).

Calcite veins containing minor pyrite are present at 2.5 m.

Fractures / m = 6
Recovery = 100%

4.80 - 8.00 m

PODDED BIOTITE - PYROXENE HORNFELS

Scheelite is not present in this unit. 4.8 - 5.5 m green pyroxene hornfels.

5.5 - 6.3 m. Brown biotite hornfels with small angular rock fragments.

6.3 - 8.0 m. Brown biotite hornfels with minor pyroxene hornfels and abundant calcite fragments (up to 2cm diameter).

Fractures / m = 4
Recovery = 100%

EOH 8.00 m


DDH BH 575/16
0.00 — 8.03 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 575/15

PLANNING

Proposer: ..J..M..Clark..... Depth: ..17 m.....

Location: ..K55 drive.....

.....

Purpose of Hole: ...Test for ore between K55 and western fault.

Co-ords: ...40357..... E ...10575..... N

Inclination: .0°.....

Bearing: ....270°.....°Grid .....°Mag

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

Depth: .....

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

SURVEY

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

Surveyed Bearing: ....270.0....°Grid .....°Mag

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

Actual Co-ords: ..40355.1..... E .10575.0..... N

R.L. of Collar: ....929.1.....

Inclination of Hole Level or horizontal.....

Picked up By: ....B..Lennon..... Date ..26-7-1978..

SUMMARY

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

Results: .No economic intersection.....

.....

.....

.....

DRILLING

Date Commenced: 17-7-1978..... Date Terminated..18-7-1978....

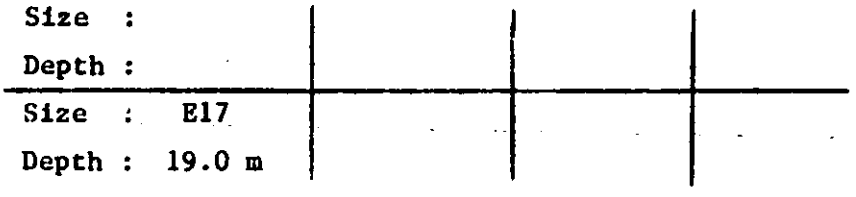
Driller/Contractor ..K.I.S.....

Casing: Size :

Depth :

Core: Size : E17

Depth : 19.0 m



Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved oy

Reason

Extension:

Final Depth: 19.0 m

Reason for Termination: Close to Western Fault.

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Not Surveyed

Water:

Comments on Drilling Conditions: Good.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/15

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6500	0	1	1.0	1.0	0.02	<0.01		
1	1	2	"	"	0.17	<0.01		
2	2	3	"	"	0.15	<0.01		
3	3	4	"	"	0.09	<0.01		
4	4	5	"	"	0.19	<0.01		
5	5	6	"	"	0.07	<0.01		
6	6	7	"	"	0.20	<0.01		
7	7	8	"	"	<0.01	<0.01		
8	8	9	"	"	0.16	<0.01		
9	9	10	"	"	0.24	0.01		
10	10	11	"	"	0.12	<0.01		
11	11	12	"	"	0.17	0.01		
12	12	13	"	"	0.19	<0.01		
13	13	14	"	"	0.05	0.01		
14	14	15	"	"	0.12	<0.01		
15	15	16	"	"	0.11	<0.01		
16	16	17	"	"	0.06	<0.01		
17	17	18	"	"	0.07	<0.01		
18	18	19	"	"	0.08	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.BH 575/15

0.00 - 19.00 m

PYROXENE GARNET HORNFELS

Calcite pods (averaging 1cm diameter) are rimmed by grossular and set in a matrix of pyroxene grossular and calcite.

Scattered medium grained scheelite crystals are present. These are slightly more abundant from 13.0 - 17.0 m but do not reach grade anywhere.

17.0 - 17.1 m. Yellowish brown clay.

17.1 - 19.0 m. Core is slightly more weathered, with small patches of calcite having a light brownish tinge.

Fractures / m = 7
Recovery = 100%

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 575/15

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	
6504	0.19	<0.01	8132	0.22	<0.01	8133	0.230		8134	0.25		
6514	0.12	<0.01	8135	0.21	<0.01	8136	0.195		8137	0.21		


DDH BH 575/15
0.00 — 19.00 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 575/14

PLANNING

Proposer: J. M. Clark Depth: 18

Location: K55 Drive

Purpose of Hole: To test for ore above K55 drive

Co-ords: 40357 E 10575 N

Inclination: +36

Bearing: 270 °Grid °Mag

Target: E N

Depth:

Approved by: Date:

SURVEY

Survey Co-ords: E N

Surveyed Bearing: 268° 20' °Grid °Mag

Surveyed in by: Date

Actual Co-ords: 40356.5 E 10574.3 N

R.L. of Collar: 932.1

Inclination of Hole: +35° 10'

Picked up By: B. Lennon Date 10-7-1978

SUMMARY

Logged By: J. M. Clark Date

Results: 13-15 m, 2 m at 0.32% WO_3, 0.04% Mo

DRILLING

Date Commenced: 3-9-1978 Date Terminated 4-7-1978

Driller/Contractor K.I.S.

Casing: Size :

Depth :

Core: Size : AQ

Depth : 17.5

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved oy

Reason

Extension:

Final Depth: 17.50 m

Reason for Termination: In biotite hornfels above ore.

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Not surveyed.

Water:

Comments on Drilling Conditions: Good

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/14

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
KF 101	0	1	1.0	1.0	0.10	0.01		
2	1	2	"	"	0.03	0.01		
3	2	3	"	"	0.05	0.01		
4	3	4	"	"	0.10	0.01		
5	4	5	"	"	0.05	0.01		
6	5	6	"	"	0.01	0.01		
7	6	7	"	"	0.18	0.01		
8	7	8	"	"	0.27	0.01		
9	8	9	"	"	0.09	<0.01		
10	9	10	"	"	0.14	0.01		
11	10	11	"	"	0.54	0.02		
12	11	12	"	"	0.20	0.01		
13	12	13	"	"	0.10	<0.01		
14	13	14	"	"	0.32	0.02		
15	14	15	"	"	0.35	0.06		
16	15	16	"	"	0.05	0.01		
17	16	17	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.B575/14

0.0 - 15.50 m

PYROXENE - GARNET HORNFELS

Calcite pods rimmed by grossular are present in a matrix of pyroxene, grossular and calcite. Pods are more frequent between 0.0 - 6.6 m. Minor biotite is present at 2.3 m. 6.5 m Calcite/epidote vein at 30° to core axis.

Fine to medium grained very sparsely disseminated scheelite is present throughout the unit, but does not reach ore grade. Lengths of core up to 5cm may have concentrations of scheelite, but these are not frequent.

14.1 - 14.8 m. Calcite vein with minor coarse grained epidote. Light brown ironstaining is present on some fractures.

Fractures / m = 7
Recovery = 100%

15.50 - 17.50 m

PODDED BIOTITE - PYROXENE HORNFELS

Purplish brown biotite hornfels has small rock, calcite and quartz fragments. Podded pyroxene hornfels is present from 15.85 - 16.5 m while both pyroxene and biotite are present at 16.5 - 16.9 m. Scheelite is not present.

Fractures / m = 9
Recovery = 100%

EOH 17.50 m.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 575/14

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	
KF 107	0.18	0.01	311	0.19	0.01	312	0.235		313	0.26		
KF 115	0.35	0.06	314	0.63	0.03	315	0.630		316	0.64		


DDH BH575/14
0.00 — 17.50 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 575/13

PLANNING

Proposer: J. M. Clark ..... Depth: 18

Location: K55 drive

Purpose of Hole: Test for ore above drive

Co-ords: +56 E ..... N

Inclination: 090

Bearing: ..... °Grid ..... °Mag

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

Depth: .....

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

SURVEY

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

Surveyed Bearing: 88° 40' °Grid ..... °Mag

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

Actual Co-ords: 40358.0 E 10574.6 N

R.L. of Collar: 932.0

Inclination of Hole: +57°

Picked up By: B. Lennon Date 11-7-1978

SUMMARY

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

Results: 7-10 m, 3 m at 0.89% WO_3 0.01% Mo

DRILLING

Date Commenced: 2-7-1978 Date Terminated 3-7-1978

Driller/Contractor A.D.D.

Casing: Size :

Depth :

Core: Size : AQ

Depth : 15.4

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason

Extension:

Final Depth: 15.4 m

Reason for Termination: In biotite hornfels

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Not surveyed

Water:

Comments on Drilling Conditions: Good

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/13

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
KF 73	0	1	1.0	1.0	0.22	<0.01		
74	1	2	"	"	0.30	<0.01		
75	2	3	"	"	0.13	<0.01		
76	3	4	"	"	0.82	0.01		
77	4	5	"	"	0.14	<0.01		
78	5	6	"	"	0.10	<0.01		
79	6	7	"	"	0.24	0.01		
80	7	8	"	"	0.56	0.01		
81	8	9	"	"	1.04	0.01		
82	9	10	"	"	1.08	0.02		
83	10	11	"	"	<0.01	<0.01		
84	11	12	"	"	0.70	0.01		
85	12	13	"	"	<0.01	<0.01		
86	13	14	"	"	0.19	0.01		
87	14	15	"	"	<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 575/13

0.0 - 13.70 m

PYROXENE GARNET HORNFELS

Typical pyroxene garnet hronfels with calcite pods rimmed by grossular in matrix of pyroxene and grossular.

0.0 - 7.5 m. Calcite pods are more frequent in this section of the unit. Scheelite is present as fine to medium grained sparse disseminations. Only the interval 3.6 - 3.7 m has thickly disseminated scheelite.

7.5 m. Calcite vein at 14° to core axis.

7.5 - 9.9 m. Thickly disseminated fine grained scheelite. Only small pods are present in pyroxene - garnet hornfels.

9.9 - 11.0 m. Minor sparsely disseminated fine grained scheelite. At 10.0 m there is a calcite vein at 30° to core axis.

10.0 - 11.85 m. Thickly disseminated fine grained scheelite. The calcite pods of pyroxene garnet hornfels are not common.

11.85 - 13.7 m. Irregularly scattered fine to coarse grained scheelite.
(0.1% WO_3). The last 20 cm of this unit is pyroxene rich.

13.7 m. Calcite vein at 30° to core axis.

Fractures / m = 7
Recovery = 100%

13.70 - 15.40 m.

BIOTITE HORNFELS

Purplish brown biotite hornfels has short intervals containing pyroxene and grossular. Angular rock fragments are also present and these are occasionally rimmed by pyroxene.

Fractures / m = 10
Recovery = 98%

EOH 15.4 m.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 575/13

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	
KF 73	0.22	<0.01	305	0.24	0.01	306	0.240		307	0.24		
KF 83	<0.01	<0.01	308	0.04	0.01	309	0.076		310			590 p.p.m.


DDH BH 575/13
0.00 — 15·40 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 575/12

PLANNING

Proposer: J. M. Clark ..... Depth: 12

Location: K55 drive

Purpose of Hole: Test Cl lens above drive

Co-ords: 40357 E 10575 N

Inclination: Vertically up.

Bearing: ..... °Grid ..... °Mag

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

Depth: .....

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

SURVEY

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

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

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

Actual Co-ords: 40358.2 E 105742 N

R.L. of Collar: 932.0

Inclination of Hole: Vertical

Picked up By: B. Lennon Date 11-7-1978

SUMMARY

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

Results: 4-11 m, 7 m at 0.71% WO_3, 0.01% Mo

DRILLING

Date Commenced: 1-7-1978 Date Terminated 1-7-1978

Driller/Contractor K.I.S

Casing: Size :

Depth :

Core: Size : AQ

Depth : 12

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason

Extension:

Final Depth: 12.0 m

Reason for Termination: Into biotite hornfels

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Not surveyed.

Water:

Comments on Drilling Conditions: Good

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/12

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
KF 61	0	1	1.0	1.0	0.42	0.01		
62	1	2	"	"	0.23	0.01		
63	2	3	"	"	0.07	<0.01		
64	3	4	"	"	0.16	0.01		
65	4	5	"	"	0.42	0.01		
66	5	6	"	"	1.24	0.03		
67	6	7	"	"	0.82	0.01		
68	7	8	"	"	0.62	0.01		
69	8	9	"	"	0.49	0.01		
70	9	10	"	"	0.96	0.02		
71	10	11	"	"	0.39	0.01		
72	11	12	"	"	<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 575/12

0.00 - 11.10 m — PYROXENE GARNET HORNFELS

Irregularly shaped calcite pods rimmed by grossular are present in a matrix of pyroxene and grossular. The pods are most frequent from 0 - 4.7 m and in this interval there is only minor, sparsely disseminated fine grained scheelite (<0.1% WO_3).

4.7 - 6.05 m. Thickly disseminated fine grained scheelite (~0.7% WO_3).

6.05 - 9.2 m. Short lengths of core (up to 10 cm) have fine grained disseminated scheelite, but the overall grade is low (~0.3% WO_3). A calcite vein, subparallel to the core axis is present from 7.7 - 8.3 m. Medium grained angular scheelite crystal are present at 8.7 m.

9.2 - 10.3 m. Thickly disseminated fine grained scheelite (~0.7% WO_3).

10.3 - 11.10 m. Distinct calcite pods are again present in the pyroxene garnet hornfels. Minor scheelite is present as sparsely disseminated fine grains. (<0.1% WO_3).

Fractures / m = 5
Recovery = 100%

11.10 - 12.00 m — BIOTITE HORNFELS

Purplish brown biotite hornfels has small lenses of green pyroxene hornfels and many rock fragments and fragments of quartz and calcite. Scheelite is not present.

Fractures / m = 4
Recovery = 100%

EOH 12.00 m.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 578/12

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	
KF 61	0.42	0.01	KF 244	0.30	<0.01	245	0.380		301	0.31		
KF 71	0.39	0.01	302	0.55	<0.01	303	0.500		304	0.46		


DDH BH 575/12
0.00 — 12.00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH575/11

PLANNING

Proposer: S. Grieve Brown — Depth: 110m

Location: G.56 Stope B lens Main

Purpose of hole: To test C_1 C_2 and D lens west.

Co-ordinates: 40322.5 E 10575.0 N
Inclination: -77° Magnetic:
Bearing 090° Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date: 14/6/77

SURVEY

Survey Co-ords: E N
Survey bearing: 98° Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 40 323.33 E 10 574.64 N
R.L. of Collar: 986.92 Inclination of Hole:-76° 40'
Picked up by: A. Grigulis Date: 18/8/77

SUMMARY

Logged by: S.G. Brown
Results: Hole abandoned at 40.0m

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 22/7/77 Date terminated: 16/8/77

Casing: Size: BQ
Depth: 1.0
Core: Size: 46TT
Depth: 40.00

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

Extension: Nil
Reason for termination: Unable to maintain hole through No.2 Fault.

Condition of hole on completion: Final depth: 40.0
Casing: pulled
Cemented: no
Bore hole survey: multishot
Water: minor

Comments on drilling conditions: Good to 35.50m. Bad below this.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 575/11

Survey method: Multishot
Final depth : 40.0m
Casing depth : 1.0m

Depth surveyed to: 40.0m
Date surveyed: 16/8/77
Surveyed by : L.D.
Checked by : G.B.

[redacted]th (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
11.0	088°	N60° 00'E	14° 00'	-76° 00'	10.67	1.33	2.30
17.0	086°	N58° 00'E	13° 45'	-76° 15'	16.50	2.09	3.51
21.0	088°	N60° 00'E	13° 45'	-76° 15'	20.34	2.57	4.33
31.0	088°	N60° 00'E	13° 45'	-76° 15'	30.10	3.76	6.39
40.0	081° 25'	N53° 25'E	12° 15'	-77° 45'	38.89	4.90	7.92

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. **BH 575/11**

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 2.0	2.0	1.70	85
3.5	1.5	1.53	102
5.0	1.5	1.38	92
6.5	1.5	1.5	100
8.0	1.5	1.67	111
9.5	1.5	1.42	95
11.0	1.5	1.44	96
12.5	1.5	1.5	100
14.0	1.5	1.49	99
15.5	1.5	1.44	96
17.0	1.5	1.35	90
18.5	1.5	1.5	100
20.0	1.5	1.68	112
21.5	1.5	1.46	97
23.0	1.5	1.38	92
24.5	1.5	1.5	100
26.0	1.5	1.52	101
27.5	1.5	1.62	108
29.0	1.5	1.39	93
30.5	1.5	1.47	98
32.0	1.5	1.46	97
33.50	1.5	1.56	104
35.0	1.5	1.51	101
36.50	1.5	1.47	98
40.0	3.50	2.00	57

NB: Core recovery between 36.50m and 40.00m is mainly fault filling.

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 575/11

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH4989	0.00	1.00	1.0	0.70				
90	1.00	2.00	1.0	1.00				
91	2.00	3.00	1.0	1.00				

SPECIFIC GRAVITY

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

Determined by:

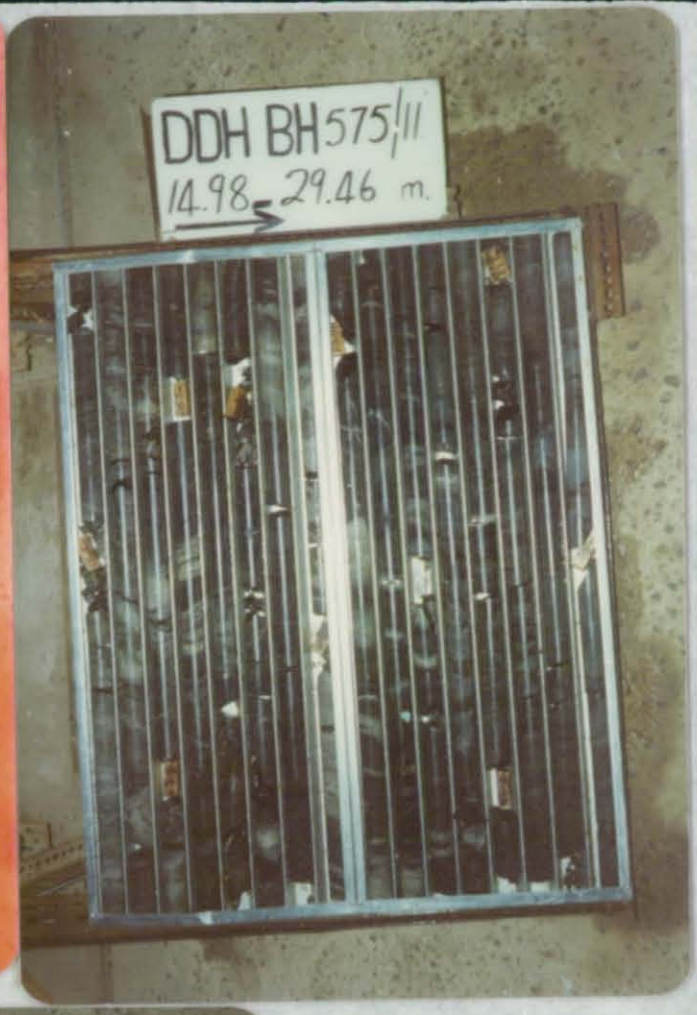
GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No: BH 575/11

0.0 - 1.79	PYROXENE GARNET SKARN
	A small unit of B lens garnet skarn. This unit contains moderate grade scheelite.
1.79 - 14.87	MARBLE
	Typical grey-black recrystalised marble with quite well preserved original bedding present in some areas.
	Some minor zones of mineralised marble occur in this unit but these as small and contain only trace scheelite. Bedding is at 67° LCA at 5.3m 61° LCA at 7.3m 69° LCA at 10.9m
14.87 - 36.69	BIOTITE PYROXENE HORNFELS
	Initially this unit has podded or slightly brecciated appearance but between 17.0m - 18.80m this becomes the typical banded biotite pyroxene hornfels normally encountered below B lens.
	Below 18.80m the unit is a slightly disturbed banded biotite pyroxene hornfels which becomes less banded and more podded towards 36.69m.
36.69 - 39.19	WESTERN FAULT ZONE
	Clay, mud and brecciated biotite and pyroxene hornfels.
39.19 - 40.00 EOH	PODDED BIOTITE PYROXENE HORNFELS
	Essentially a black biotite hornfel with large calcite pods.
	Hole abandoned at 40.0m unable to case due to short rods being used.


DDH BH 575/11
00.00 - 14.98 m.


DDH BH 575/11
14.98 - 29.46 m.


DDH BH 575/11
29.46m - 40.00m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO: BH 575/10

PLANNING

Proposer: S. Grieve Brown — Depth: 75m

Location: L56 stope B lens Main

Purpose of hole: To locate Western Fault and test C_1W C_2W and DW

Co-ordinates: 40322.5 E 10575.0 N
Inclination: -82°
Bearing 270° Grid — Magnetic:
Target: E N — Target Depth:
Approved by: M.C. Rogers — Date: 29/6/77

SURVEY

Survey Co-ords: E N
Survey bearing: Grid — Magnetic:
Surveyed in by: — Date:
Actual Co-ords: 40323.12 E 10574.35 N
R.L. of Collar: 986.88 — Inclination of Hole:
Picked up by: A. Grigulis — Date: 18/8/77

SUMMARY

Logged by: S. G. Brown
Results:
39.0 - 45.0m 6m @ 1.63% WO_3
57.0m - 59.0m 2m @ 0.60% WO_3

DRILLING

Driller/Contractor: ADD

Date commenced: 4/7/77 — Date terminated: 18/7/77

Casing: Size: BXTT
Depth: 1
Core: Size: A17
Depth: 65.0

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

Extension: Nil
Reason for termination: Entered granite

Condition of hole on completion: — Final depth:-
Casing: pulled
Cemented: No
Bore hole survey: Multishot
Water: Minor

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 575/10

Survey method: Multishot

Final depth : 65.0

Casing depth : 1.0m

Depth surveyed to: 64.0

Date surveyed: 18/7/77

Surveyed by : L.D.

Checked by : S.G.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
3.0	273° 00'	S65° 00'W	8° 30'	-81° 30'	2.79	0.19	0.40
5.0	273° oo'	S65° 00'W	8° 30'	-81° 30'	4.95	0.32	0.67
11.0	274° 00'	S66° 00'W	8° 45'	-81° 15'	10.88	0.69	1.50
15.0	274° 50'	S66° 50'W	9° 00'	-81° 00'	14.83	0.94	2.08
25.0	276° 00'	S68° 00'W	9° 00'	-81° 00'	24.71	1.52	3.53
45.0	275° 00'	S67° 00'W	9° 30'	-80° 30'	44.44	2.81	6.57
55.0	279° 00'	S71° 00'W	9° 00'	-81° 00'	54.32	3.32	8.04
64.0	278° 00'	S70° 50'W	9° 15'	-80° 45'	63.20	3.80	9.41

REMARKS:

This survey must be treated as dubious since the camera failed on the first survey and the re survey did not pass 15.0m due to cave in.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/10

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 0.8	0.80	0.61	76
2.4	1.60	1.59	99
3.5	1.10	1.10	100
5.0	1.50	1.47	98
6.5	1.50	1.47	98
8.0	1.50	1.53	102
9.5	1.50	1.50	100
11.0	1.50	1.39	93
12.5	1.50	1.46	97
14.0	1.50	1.54	103
15.5	1 50	1.38	92
17.0	1.50	1.06	71
18.5	1.50	1.45	97
20.0	1.50	1.42	95
21.5	1.50	1.47	98
23.0	1.50	1.31	87
24.5	1.50	1.37	91
26.0	1.50	1.41	94
27.5	1.50	1.55	103
29.0	1.50	1.46	97
30.5	1.50	1.46	97
32.0	1.50	1.50	100
33.5	1.50	1.62	108
35.0	1.50	1.42	95
36.5	1.50	1.48	99
38.0	1.50	1.64	109
39.5	1.50	1.43	95
41.0	1.50	1.43	95
42.5	1.50	1.49	100
44.0	1.50	1.50	100
45.5	1.50	1.47	98
47.0	1.50	1.50	100
48.5	1.50	1.63	109
50.0	1.50	1.48	99
51.5	1.50	1.50	100
53.0	1.50	1.49	100
54.5	1.50	1.48	99
56.0	1.50	1.44	96
57.5	1.50	1.33	89
59.0	1.50	1.55	103
60.5	1.50	1.51	101
62.0	1.50	1.37	91
63.5	1.50	1.44	96
65.0	1.50	1.46	97

GEOPEKO LIMITED - BH 575/10

ASSAY DATA

D.D.H. No. BH575/10

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH4913	0.0	1.0	1.0	1.0	0.04	<0.01	
4	1.0	2.0	1.0	1.0	0.66	0.07	
5	2.0	3.0	1.0	1.0	0.05	<0.01	
4916	38.0	39.0	1.0	1.0	0.18	<0.01	
7	39.0	40.0	1.0	1.0	0.90	0.03	39.0 - 45.0m
8	40.0	41.0	1.0	1.0	1.92	0.09	6m @ 1.63% WO_3
9	41.0	42.0	1.0	1.0	2.85	0.14	
20	42.0	43.0	1.0	1.0	3.02	0.14	
1	43.0	44.0	1.0	1.0	0.76	0.05	
2	44.0	45.0	1.0	1.0	0.31	0.01	
3	45.0	46.0	1.0	1.0	0.20	0.01	
4	46.0	47.0	1.0	1.0	<0.01	<0.01	
5	47.0	48.0	1.0	1.0	<0.01	<0.01	
4926	56.0	57.0	1.0	1.0	<0.01	<0.01	57.0 - 59.0m
7	57.0	58.0	1.0	1.0	0.54	0.03	2m @ 0.60% WO_3
8	58.0	59.0	1.0	1.0	0.66	0.04	
9	59.0n	60.0	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 575/10

0.0 - 2.21 MINERALISED MARBLE

Initially this unit is a fairly typical garnet skarn but below the 1.0m marble it becomes more pyroxene and calcite rich

Although scheelite mineralisation is present throughout this unit is probably sub grade.

2.21 - 14.13 MARBLE

A dark grey, fine grained, recrystalised marble. This unit appears to have been quite disturbed as only minor remnant bedding is apparant.

The unit is barren of scheelite mineralisation.
Bedding is at 60^{o} LCA at 3.45
74^{o} LCA at 7.00
74^{o} LCA at 13.70

14.13 - 14.59 FAULT ZONE

A zone of brecciated and crushed marble.This is the Western Fault zone.

14.59 - 35.95 BIOTITE PYROXENE HORNFELS

Between 14.59 - 26.0m this unit is badly broken and fractured probably due to the proximity of the Western fault. Below 26.0m the core is a typical disturbed biotite pyroxene hornfels with minor pods and fragments present through out.

Possible faults are located at 20.53m, 22.10m, 24.74m, 25.05m and 35.95m.

STRIKE 130°

The possible fault at 35.95m is at 17^{o} LCA and pug filled.

35.95 - 39.55 PODDED BIOTITE PYROXENE HORNFELS

This unit is more pyroxene and calcite rich than the one above.

Some minor trace scheelite is present in this unit associated with the calcite pods.

STRIKE 020°

A possible fault is located at 37.50m where clay and broken rock was recovered.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/10

39.55 - 46.58 PYROXENE GARNET SKARN

This unit is extremely quartz rich and contains quite large numbers of well formed garnet crystals. Scheelite is present throughout with high grade ore present between 40.0 - 45.0m.

The last 60cm of this unit are quite well bedded at 44° LCA.

46.58 - 57.11 BANDED FOOTWALL BEDS

A unit of banded footwall beds in which the biotite and pyroxene rich members are dominant. Calcite bands are present often with minor grossularite, but these are barren.

Bedding is at 47° LCA at 47.6m
74° LCA at 50.5m
55° LCA at 53.81m
30° LCA at 56.80m

A clinohumite filled fracture is present between 48.48 - 48.89m sub parallel to the L.C.A.

57.11 - 59.17 MINERALISED BANDED FOOTWALL BEDS

A small unit of mineralised banded footwall beds adjacent to the granite. The marble beds have been replaced by andradite skarn containing good scheelite. Bedding is at 37° LCA at 57.5m.

59.17 - 65.0 ADAMELLITE
EOH

Typical Bold Head adamellite with large pink phenscrysts of feldspar set in a mafic rich matrix.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 575/10

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	HOLE No.
4917	0.90		5677	0.94		5678	1.18		5679	1.05		B 575/10
4920	3.02		5680	2.84		5681	3.21		5682	2.53		"


DDH BH 575/10
00·00 – 14·29 m.


DDH BH 575/10
14·29 – 26·90 m.


DDH BH 575/10
26·90 – 41·21 m.


DDH BH 575/10
41·21 – 55·76 m.


DDH BH 575/10
55·76 – 65·00 m.
E.l.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 575/9

PLANNING

Proposer: R. Van den Bogaart — Depth: 10m

Location: E53

Purpose of hole: To test B West mineralisation.

Co-ordinates: 40303.0 E 10575.0 N

Inclination: Vertical Up — Magnetic

Bearing: - Grid — Target depth:

Target: - E N

Approved by: M.C. Rogers — Date: 20/5/77

SURVEY

Survey Co-ords: - E N

Survey bearing: - Grid — Magnetic

Surveyed in by: — Date:

Actual Co-ords: 40 303.64 E 10 575.43 N

R.L. of collar: 995.73 — Inclination of hole: +90°

Picked up by : A. Grigulis — Date: 27/6/77

SUMMARY

Logged by : R. Van den Bogaart

Results: 0.0 - 1.0m, 1m @ 0.68% WO_3

DRILLING

Driller/Contractor: K.I.S.

Date commenced: — Date terminated:

Casing: Size : -

Depth :

Core: Size : E17

Depth : 6.0

Wedge Runoff:

Wedge placed: Nil — Depth:

Proposed by : — Approved by:

Reason:

Extension: Nil

Reason for termination: Below mineral zone — Final depth: 6.0

Condition of hole on completion:

Casing : Nil

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. BH575/9

Survey method:
Final depth :
Casing depth :

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

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/9

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.40	2.40	2.39	100
4.90	2.50	2.36	94
6.0	1.10	1.15	105
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/9

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH 4759	0.0	1.00	1.0	1.0	0.68	0.05		
4760	1.00	2.00	1.0	1.0	0.17	0.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH575/9

0.0 - 0.40 MARBLE

A grey, well bedded unit of marble containing minor hands rich in pyroxene an grossularite. The unit is devoid of scheelite mineralisation.
Bedding is at 73° LCA @ 0.3m.

0.40 - 1.17 PYROXENE GARNET SKARN

A banded brownish green unit of pyroxene garnet skarn containing minor bands of pyroxene. The unit consists essentially of pyroxene, andradite, grossularite, actinolite and minor molybdenite. The unit contains medium grade scheelite throughout.
Bedding is at 74° LCA @ 0.92m.

1.17 - 1.67 MARBLE

As above a grey unit of marble containing bands rich in pyroxene and biotite. The unit is devoid of scheelite mineralisation.
Bedding is at 72° LCA @ 1.45m.

1.67 - 1.94 BANDED BIOTITE PYROXENE HORNFELS

A dark unit of biotite pyroxene hornfels, consisting of alternate bands rich in biotite and pyroxene. The unit is devoid in scheelite mineralisation.
Bedding is at 76° LCA @ 1.87m.

1.94 - 5.02 APLITE

A grey-white coloured, coarse grained, biotite rich aplite consisting essentially of white and pink feldspar (orthoclase ?) and plagioclase) grey vitreaus quartz and biotite. Initially the unit contains some xenoliths of biotite pyroxene hornfels. The unit contains large phenocrysts of pink plagioclase. The biotite appears to be concentrated in bands. The unit is devoid of any scheelite mineralisation.

5.02 - 5.35 BANDED BIOTITE PYROXENE HORNFELS

As above. A banded unit of biotite pyroxene hornfels consisting of alternate bands rich in biotite and pyroxene. The unit is devoid of scheelite mineralisation.
Bedding is at 76° LCA @ 5.20m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

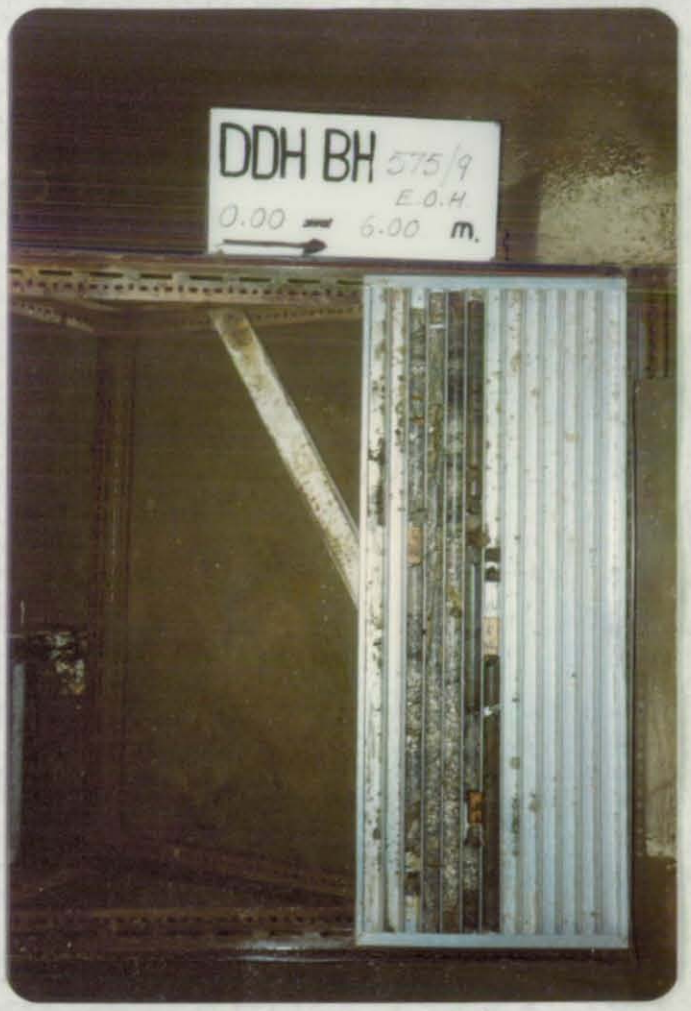
D.D.H. No. BH 575/9

5.35 - 5.50	PYROXENE GARNET SKARN

A small brownish green unit of pyroxene garnet skarn, similar to above. The unit contains medium grade scheelite throughout. This unit appears to be typical of that underlying the Middle Volcanics unit in B lens Main.

5.50 - 6.0 E.O.H.	MIDDLE VOLCANICS

A dark unit of middle volcanics containing blebs and laths of white feldspar. Minor pyrite occurs throughout.


DDH BH 575/9
E.O.H
0.00 — 6.00 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 575/8

PLANNING

Proposer: R.V.de. B. Depth: 10m

Location: E53 drive

Purpose of hole: To test for B West mineralisation.

Co-ordinates: 40303.0 E 10575.0 N

Inclination: Vert. down Magnetic

Bearing: - Grid - Target depth:

Target: E N

Approved by: M.C.Rogers Date: 20/5/77

SURVEY

Survey Co-ords: - E - N

Survey bearing: Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 40 303.67 E 10 575.46 N

R.L. of collar: 993.23 Inclination of hole: -90°

Picked up by : A. Grigulis Date: 27/6/77

SUMMARY

Logged by : R. Van den Bogaart

Results: No mineralisation encountered

DRILLING

Driller/Contractor: K.I.S

Date commenced: Date terminated:

Casing: Size : -

Depth :

Core: Size : E 17

Depth : 11.40

Wedge Runoff:

Wedge placed: Nil Depth:

Proposed by : Approved by:

Reason:

Extension: Nil

Reason for termination: Below mineralisation Final depth: 11.40

Condition of hole on completion:

Casing : Nil

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. BH 575/8

Survey method:

Final depth :

Casing depth :

Depth surveyed to:

Date surveyed:

Surveyed by :

Checked by :

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

REMARKS:

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No: BH 575/8

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

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.BH 575/8

0.00 - 11.40 MARBLE

A well bedded grey marble containing bands and patches rich in pyroxene and grossularite. The pyroxene rich bands occur between the intervals, 1.22 - 1.94m, 2.64 - 7.13m, and 9.12 - 9.53. The unit contains only minor grains of scheelite associated with the pyroxene-grossularite rich area. The unit is sub-grade.

Bedding is at 78^{o} LCA @ 2.30m
82^{o} LCA @ 5.1m

Calcite filled fractures occur at:
16^{o} LCA @ 7.36m
19^{o} LCA @ 7.80m
25^{o} LCA @ 8.55m

The core is badly broken at 1.40, 4.50, 4.95 and 4.90m.


DDH BH 575/8
E.O.H
0.00 — 11.40 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 575/7

PLANNING

Proposer: S.G. Brown — Depth: 120

Location: 057 drive

Purpose of hole: To test C1, C2 and D lenses.

Co-ordinates: 40390.5? E 10575 N

Inclination: -80 Magnetic

Bearing: 090 Grid Target depth:

Target: E N

Approved by: M.C. Rogers Date: 26/4/77

SURVEY

Survey Co-ords: 40384.72 E 10 575.53 N

Survey bearing: 89° 23' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: E N

R.L. of collar: 988.23 Inclination of hole: -76° 57'

Picked up by : A. Grigulis Date: 18/5/77

SUMMARY

Logged by : R. Van den Bogaart

Results: 2.0 - 4.0m, 2m @ 1.15% WO_3
48.0 - 55.0, 7m @ 1.76% WO_3
66.0 - 76.0m, 10m @ 1.33% WO_3

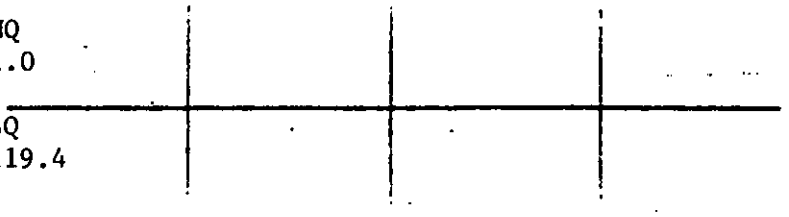
DRILLING

Driller/Contractor: A.D.D.

Date commenced: 14/5/77 Date terminated: 24/5/77

Casing: Size : NQ
Depth : 1.0

Core: Size : BQ
Depth : 119.4



Wedge Runoff: -

Wedge placed: - Depth:

Proposed by : - Approved by:

Reason: -

Extension: Nil

Reason for termination: Entered unmineralised banded footwall beds Final depth: 119.4

Condition of hole on completion:

Casing : Pulled

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 575/7

Survey method: Multishot camera
Final depth : 119.4m
Casing depth : 1 m

Depth surveyed to: 119.4
Date surveyed: 25/5/77
Surveyed by : L. Denby
Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
16	084° 00'	056° 00'	10° 45'	-79° 15'	15.68	1.52	2.76
46	074° 00'	046° 00'	9° 15'	-80° 45'	45.27	4.75	6.48
73	075° 00'	047° 00'	10° 00'	-80° 00'	71.86	7.91	9.87
94	071° 00'	043° 00'	10° 00'	-80° 00'	92.53	10.56	12.37
119.4	071° 00'	043° 00'	10° 00'	-80° 00'	117.54	13.84	15.32

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.00	1.00	0.67	67
3.5	2.5	2.50	100
6.5	3.0	3.02	101
9.5	3.0	3.0	100
12.5	3.0	2.98	99
15.5	3.0	2.94	98
18.5	3.0	3.18	106
21.5	3.0	2.98	99
24.5	3.0	3.01	100
27.5	3.0	3.01	100
30.5	3.0	2.96	99
33.5	3.0	3.04	101
36.5	3.0	2.93	98
39.5	3.0	2.94	98
42.5 42.8	3.0 0.30	2.98 0.39	99 130
44.5	1.70	1.78	105
45.8	1.30	1.13	87
48.8	3.0	3.00	100
51.8	3.0	3.02	101
54.8	3.0	3.02	101
57.8	3.0	3.05	102
60.8	3.0	2.97	99
63.8	3.0	2.94	98
66.8	3.0	3.03	101
67.1	0.30	0.40	133
70.01	3.00	3.06	102
73.1	3.0	2.99	100
76.1	3.0	3.02	101
79.5	3.40	3.33	98
82.5	3.0	2.95	98
85.5	3.0	2.97	99
88.5	3.0	3.04	101
91/5	3.0	2.94	98
94.5	3.0	3.0	100
94.7	0.2	0.30	150
97.7	3.0	2.96	99
100.7	3.0	2.99	100
103.7	3.0	3.00	100
106.7	3.0	3.02	101
109.7	3.0	3.00	100
112.7	3.0	2.99	100
115.7	3.0	2.60	87
116.4	0.70	0.77	110
119.4	3.0	2.92	97

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/7

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH4648	0.0	1.0	1.0	1.0	0.49	0.02	
9	1.0	2.0	1.0	1.0	< 0.01	< 0.01	2.0 - 4.0m,
50	2.0	3.0	1.0	1.0	1.98	0.07	2m @ 1.15% WO_3
1	3.0	4.0	1.0	1.0	0.32	0.01	
2	4.0	5.0	1.0	1.0	< 0.01	< 0.01	
3	16.0	17.0	1.0	1,0	0.16	0.01	
4	47.0	48.0	1.0	1.0	< 0.01	< 0.01	
5	48.0	49.0	1.0	1.0	1.18	0.04	48.0 - 55.0m,
6	49.0	50.0	1.0	1.0	2.41	0.07	7m @ 1.76% WO_3
7	50.0	51.0	1.0	1.0	1.26	0.03	
8	51.0	52.0	1.0	1.0	0.84	0.02	
9	52.0	53.0	1.0	1.0	2.91	0.08	
60	53.0	54.0	1.0	1.0	1.85	0.06	
1	54.0	55.0	1.0	1.0	1,84	0.06	
2	55.0	56.0	1.0	1.0	0.23	0.01	
3	56.0	57.0	1.0	1.0	< 0.01	< 0.01	
4	57.0	58.0	1.0	1.0	< 0.01	< 0.01	
5	64.0	65.0	1.0	1.0	< 0.01	< 0.01	
6	65.0	66.0	1.0	1.0	0.12	< 0.01	
7	66.0	67.0	1.0	1.0	0.42	0.02	
8	67.0	68.0	1.0	1.0	1.51	0.10	
9	68.0	69.0	1.0	1.0	1.06	0.07	
4670	69.0	70.0	1.0	1.0	1.78	0.06	
1	70.0	71.0	1.0	1.0	1.26	0.04	
2	71.0	72.0	1.0	1.0	0.72	0.03	66.0 - 76.0m,
3	72.0	73.0	1.0	1.0	0.32	0.02	10m @ 1.33% WO_3
4	73.0	74.0	1.0	1.0	0.69	0.03	
5	74.0	75.0	1.0	1.0	5.45	0.22	
6	75.0	76.0	1.0	1.0	1.52	0.03	
7	76.0	77.0	1.0	1.0	< 0.01	< 0.01	
8	86.0	87.0	1.0	1.0	< 0.01	< 0.01	
9	87.0	88.0	1.0	1.0	0.16	0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED – BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 575/7

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH4680	88.0	89.0	1.0	1.0	0.15	0.01		
1	91.0	92.0	1.0	1.0	0.19	0.01		
2	92.0	93.0	1.0	1.0	0.28	0.01		
3	93.0	94.0	1.0	1.0	<0.01	< 0.01		
4	96.0	97.0	1.0	1.0	<0.01	<0.01		
5	97.0	98.0	1.0	1.0	0.50	0.02		
6	98.0	99.0	1.0	1.0	0.29	0.01		
7	99.0	100.0	1.0	1.0	<0.01	<0.01		
8	109.0	110.0	1.0	1.0	<0.01	< 0.01		
9	110.0	111.0	1.0	1.0	<0.01	<0.01		
4690	111.0	112.0	1.0	1.0	0.20	0.01		
1	112.0	113.0	1.0	1.0	0.11	<0.01		
2	113.0	114.0	1.0	1.0	<0.01	< 0.01		
3	114.0	115.0	1.0	1.0	<0.01	< 0.01		
4	115.0	116.0	1.0	1.0	<0.01	<0.01		
5	116.0	117.0	1.0	1.0	1.41	<0.11		
4696	117.0	118.0	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 575/7

0.00 - 0.56 GARNET HORNFELS

A brownish-green unit of garnet hornfels containing variable pyroxene, andradite, actinolite and calcite. The unit contains medium grade scheelite throughout. This unit forms a gradational contact with the marble described below.

0.56 - 1.63 MARBLE

A grey well bedded unit of marble containing minor biotite and pyroxene bands. The unit contains only minor grains of scheelite associated with the pyroxene rich bands.

Bedding is at
52^{o} LCA @ 1.53m.

1.63 - 3.45 GARNET HORNFELS

A brownish green unit of garnet hornfels containing pyroxene, andradite, grossularite, actinolite, calcite and pyrite. The unit contain erratic scheelite mineralisation. Coarse grained scheelite is associated with the actinolite-pyrite rich areas; grade decreases with increase in grossularite content.

3.45 - 17.24 MARBLE

A fine grained, grey coloured unit of marble. Initially the unit is rich in pyroxene and some minor scheelite mineralisation is associated with this. The initial 9m of this unit is well bedded, after which the unit has been recrystallised and some minor podding may be noted. Some irregular patches and pods of grossularite are associated with the recrystallised marble. The last 65cm of this unit is rich in pyroxene and grossularite. Some medium to coarse grade scheelite mineralisation is associated with the pyroxene - grossularite rich area.
Bedding is at
72^{o} LCA @ 5.5m
74^{o} LCA @ 6.6m
A major fracture (calcite filled) is 15^{o} LCA at 10.65m.

17.24 - 33.20 DISTURBED BIOTITE PYROXENE HORNFELS

A disturbed brown green unit of biotite pyroxene hornfels Initially the unit contains angular to sub-rounded siliceous pods. A pyrite rich patch occurs at 18.80m.

Some molybdenite is noted in a pyroxene rich area at 17.64m. The unit is 'spotted between 19.6 - 20.05m. Banding is more dominant after 20.0m, however, banding is irregular and has been disturbed. The unit grades inot podded biotite pyroxene discribed below.
Banding is at
56^{o} LCA at 18.92m
64^{o} LCA at 20.95m

33.20 - 48.33 PODDED BIOTITE PYROXENE HORNFELS

This unit grades into the unit above. It is a brown-green unit of biotite pyroxene hornfels containing angular to subrounded pods of pyrite, carbonate and some white siliceous material. The large carbonate rich pods are typically rimmed by grossularite, pyroxene and minor actinolite and epidote. The angular siliceous pods are rimmed by pyroxene. The carbonate rich pods become more dominant after 44.5m. The unit is devoid of scheelite mineralisation.

A possible fault occurs at 44.5m (rubble consisting of chlorite, calcite and clinohumite).

48.33 - 54.8 PYROXENE GARNET SKARN

A dark brownish-green unit of pyroxene garnet skarn consisting essentially of andradite and pyroxene with lesser amounts of pyrite, grossularite, actinolite pyrrhotite and minor chalcopyrite. The unit contains some rounded calcite rich pods. The unit contains coarse and fine grained scheelite throughout and should rich medium grade ore. With increase in grossularite this unit grades into podded pyroxene garnet hornfels described below.

54.8 - 60.55 PODDED PYROXENE GARNET HORNFELS

A disturbed unit of pyroxene garnet hornfels containing rounded calcite rich pods. The unit consists essentially of grossularite and pyroxene with minor actinolite, and epidote (associated with the calcite rich pods) and pyrite. This unit differs from above due to increasing grossularite and a corresponding decrease in grade. The scheelite content is erratic consisting of coarse to fine grained scheelite generally associated with the calcite rich pods.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/7

Major fractures (calcite filled) are at
18^{o} LCA @ 56.0m
17^{o} LCA @ 56.32m
12^{o} LCA @ 58.54m
15^{o} LCA @ 60.32m

60.55 - 64.53 PODDED BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels containing angular and sub-rounded siliceous and calcite rich pods. The calcite rich pods typically contain or are rimmed by grossularite, epidote and pyroxene. The unit is devoid of scheelite mineralisation. A major fracture and possible fault (calcite and chlorite filled) 10^{o} LCA occurs at 63.37m.

64.53 - 75.84 PYROXENE GARNET SKARN

A brownish-green unit of pyroxene garnet skarn consisting essentially of andradite, pyroxene, pyrite calcite, actinolite with minor grossularite chalcopyrite and molybdenite. The unit contains fine grained scheelite mineralisation throughout.

A major fracture 46^{o} LCA occurs at 71.34 (calcite and chlorite filled fracture plane).

A possible fault 12^{o} LCA occurs at 66.30(calcite, chlorite and pyrite filled fault plane.)

75.84 - 79.45 BIOTITE PYROXENE HORNFELS

A disturbed unit of biotite pyroxene hornfels consisting essentially of irregular patches rich in biotite and pyroxene. Minor pyrite occurs throughout. The unit is devoid of any scheelite mineralisation. The biotite pyroxene hornfels unit may be a part of the banded footwall beds described below.

79.45 - 119.4 EOH BANDED FOOTWALL BEDS

A unit consisting of alternate bands of biotite, pyroxene, calcite, grossularite and pyroxene garnet skarn. Mineralised pyroxene garnet skarn bands occur in the following intervals

86.00 - 89.0
91.0 - 94.0
96.0 - 99.0
109.0 - 118.0

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No.BH 575/7

Some of these units may reach grade, however the whole intervals are expected to be subgrade. Wallastonite and grossularite are associated with the calcite hornfels rich bands.
Bedding has been disturbed as indicated in the following:-
Bedding is at

64^{o} LCA @ 81.17m
56^{o} LCA @ 84.5m
40^{o} LCA @ 94.0m
35^{o} LCA @ 101.7m
45^{o} LCA @ 109.5m
45^{o} LCA @ 118.3m

A fault (calcite - chlorite filled plane) 14^{o} LCA occur at 87.3m. A major fault occurs at 114.0m (mainly rubble and breccia with carbonate cement.)

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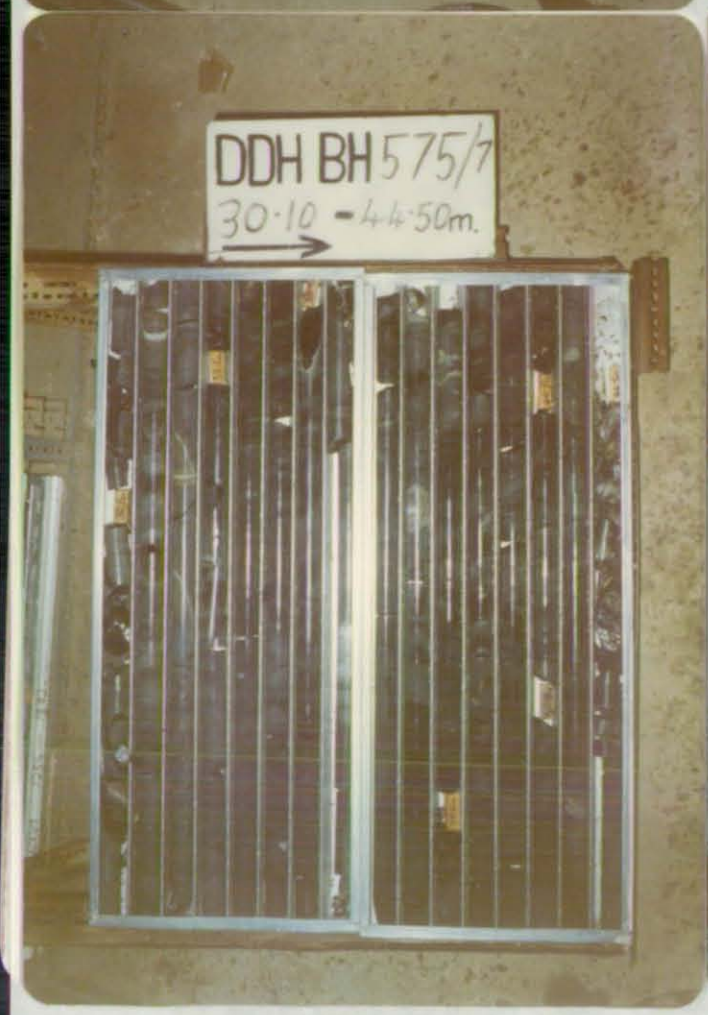
CHECK ASSAY DATA

D.D.H. BH 575/7

LAB.	K.I.S.		LAB. K.I.S.			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 4648	0.49	0.02	4404	0.62		4405	0.77		4406	0.75		
BH 4658	0.84	0.02	4407	0.77		4408	1.08		4409	1.03		
BH 4668	1.51	0.10	4413	1.90		4414	1.59		4415	1.51		
BH 4679	0.16	0.01	4416	0.15		4417	0.29		4418	0.25		
BH 4686	0.29	0.01	4419	0.28		4420	0.40		4421	0.42		
BH 4695	1.41	0.11	4422	1.40		4423	1.53		4424	1.41		


DDH BH 575/7
0·0 - 15·17 m.


DDH BH 575/7
15·17 - 30·10m.


DDH BH 575/7
30·10 - 44·50m.


DDH BH 575/7
44·50 - 59·43m.


DDH BH 575/7
59·43 - 73·95m.


DDH BH 575/7
73·95 - 88·94m.


DDH BH 575/7
88·94 - 103·80m.


DDH BH 575/7
103·80 - 118·57m.


DDH BH 575/7
118·57 - 119·40 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. 575/6

PLANNING

Proposer: S. Grieve Brown — Depth: 130m

Location: 162 Drive 'B' lens main

Purpose of hole: To test c_1 c_2 ad D lenses

Co-ordinates: 40372.0 E 10575.0 N
Inclination: -85 Magnetic:
Bearing 090° Grid Target Depth:
Target: ° E N
Approved by: M.C.Rogers Date: 26/11/76

SURVEY

Survey Co-ords: 40 373.96 E 10 575.01 N
Survey bearing: 112° Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: E N
R.L. of Collar: 990.16 Inclination of Hole: -86° 40'
Picked up by: A. Grigulis Date: 24/12/76

SUMMARY

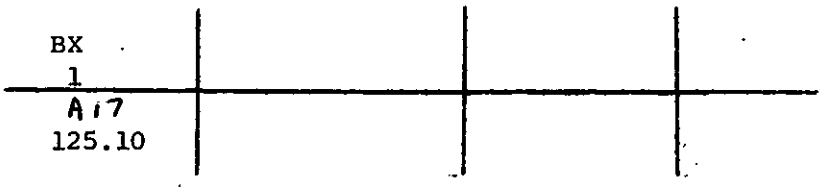
Logged by: S. Grieve Brown
Results: 0.0 - 3.0m 3m @ 0.51 % WO_3 44.0 - 53.0 9m @ 1.06% WO_3
63.0 - 66.0 3m @ 0.51% WO_3 98.0 - 102.0 4m @ 0.65% WO_3

DRILLING

Driller/Contractor: A.D.D

Date commenced: 3/12/76 Date terminated: 21/12/76

Casing: Size: BX
Depth: 1
Core: Size: A17
Depth: 125.10



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

Extension: Nil
Reason for termination: Below D lens mineral horizon

Condition of hole on completion: Final depth: 125.10
Casing: left
Cemented: No
Bore hole survey: Multishot
Water: minor

Comments on drilling conditions: good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. 575/6

Survey method: Multishot
Final depth : 125.0
Casing depth : 1.0

Depth ~~surveyed~~ to: 111.0
Date surveyed: 21/12/76
Surveyed by : L.D.
Checked by : G.B.

Depth	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
6.0	0.80°	0.52°	4° 15'	4° 15'	5.98	0.27	0.35
15.0	0.86°	0.58°	4° 15'	4° 15'	14.96	0.74	1.10
45.0	0 34°	0 06°	3° 30'	3° 30'	44.90	2.56	1/29
51.0	0.43°	0 15°	3° 30'	3° 30'	50.89	2.92	1.39
63.0	0 33°	0 05°	3° 30'	3° 30'	62.87	3.65	1.45
75.0	0 32°	0 04°	3° 30'	3° 30'	74.85	4.38	1.50
87.0	0 33°	0 05°	3° 15'	3° 15'	86.83	5.06	1.56
99.0	0 29°	0 01°	3° 30'	3° 30'	98.80	5.79	1.57
111.0	0 25°	357°	4° 00'	4° 00'	110.78	6.63	1.61

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 575/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 4.30	4.30	3.78	87.91
6.60	2.30	2.34	101.74
9.60	3.00	3.02	100.67
12.60	3.00	3.03	101.00
15.60	3.00	3.02	100.67
18.60	3.00	2.96	98.67
21.60	3.00	2.98	99.33
24.60	3.00	3.10	103.33
27.60	3.00	2.99	99.67
30.60	3.00	3.05	101.67
33.60	3.00	3.01	100.33
36.60	3.00	2.98	99.33
39.60	3.00	3.00	100.00
42.60	3.00	2.96	98.67
45.60	3.00	2.97	99.0
48.60	3.00	3.25	108.33
51.60	3.00	2.96	98.67
54.60	3.00	3.00	100.00
57.60	3.00	2.99	99.67
60.60	3.00	3.21	107.00
63.60	3.00	2.91	97.00
66.60	3.00	2.98	99.33
69.60	3.00	3.01	100.33
72.60	3.00	3.02	100.67
75.60	3.00	2.94	98.00
78.60	3.00	3.24	108.00
81.60	3.00	2.97	99.00
84.60	3.00	3.01	100.33
87.60	3.00	3.03	101.00
90.60	3.00	3.02	100.67
93.60	3.00	2.99	99.67
96.60	3.00	2.95	98.33
99.60	3.00	2.99	99.67
102.60	3.00	2.93	97.60
105.60	3.00	2.96	98.67
108.60	3.00	2.82	94.00
111.60	3.00	2.94	98.00
114.60	3.00	3.00	100.00
119.10	4.50	4.55	101.11
122.10	3.00	3.02	100.67
125.10	3.00	2.98	99.38
E.O.H.			

GEOPEKO LIMITED - Bold Head

ASSAY DATA

D.D.H. No. BH 575/6

575/6

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH 4254	0.0	1.0	1.0	0.42	0.47	0.02	
42555	1.0	2.0	1.0	1.0	0.46	0.02	0 - 3m 3m @ 0.51% WO_3
4256	2.0	3.0	1.0	1.0	0.61	0.02	
4257	3.0	4.0	1.0	1.0	< 0.01	< 0.01	
4258	43.0	44.0	1.0	1.0	< 0.01	< 0.01	
4259	44.0	45.0	1.0	1.0	0.43	< 0.01	
4260	45.0	46.0	1.0	1.0	3.03	0.08	
4261	46.0	47.0	1.0	1.0	0.95	0.02	
4262	47.0	48.0	1.0	1.0	0.98	0.03	44.0 - 53.0m
4263	48.0	49.0	1.0	1.0	1.33	0.04	9.0m @ 1.06% WO_3
4264	49.0	50.0	1.0	1.0	1.23	0.03	
4265	50.0	51.0	1.0	1.0	0.63	0.01	
4266	51.0	52.0	1.0	1.0	0.63	0.01	
4267	52.0	53.0	1.0	1.0	0.30	< 0.01	
4268	53.0	54.0	1.0	1.0	0.22	< 0.01	
4269	54.0	55.0	1.0	1.0	0.26	< 0.01	
4270	55.0	56.0	1.0	1.0	0.35	< 0.01	
4271	56.0	57.0	1.0	1.0	0.26	< 0.01	
4272	57.0	58.0	1.0	1.0	0.23	< 0.01	
4273	58.0	59.0	1.0	1.0	< 0.01	< 0.01	
4274	59.0	60.0	1.0	1.0	< 0.01	< 0.01	
4275	60.0	61.0	1.0	1.0	< 0.01	< 0.01	
4276	61.0	62.0	1.0	1.0	< 0.01	< 0.01	
4277	62.0	63.0	1.0	1.0	0.22	0.01	
4278	63.0	64.0	1.0	1.0	0.70	0.03	
4279	64.0	65.0	1.0	1.0	0.36	0.01	63.0 - 66.0
4280	65.0	66.0	1.0	1.0	0.46	0.01	3m @ 0.51% WO_3
4281	66.0	67.0	1.0	1.0	0.23	0.01	
4282	73.0	74.0	1.0	1.0	< 0.01	< 0.01	
4283	74.0	75.0	1.0	1.0	0.14	0.01	
4284	75.0	76.0	1.0	1.0	0.61	0.02	
4285	76.0	77.0	1.0	1.0	< 0.01	< 0.01	
4286	77.0	78.0	1.0	1.0	0.17	< 0.01	
4287	78.0	79.0	1.0	1.0	< 0.01	< 0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED -Bold Head

ASSAY DATA

D.D.H. No. BH 575/6

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
4288	79.0	80.0	1.0	1.0	< 0.01	< 0.01		
4289	93.0	94.0	1.0	1.0	0.06	< 0.01		
4290	94.0	95.0	1.0	1.0	0.22	< 0.01		
4291	95.0	96.0	1.0	1.0	< 0.01	< 0.01		
4292	96.0	97.0	1.0	1.0	< 0.01	< 0.01		
4293	97.0	98.0	1.0	1.0	0.14	< 0.01		
4294	98.0	99.0	1.0	1.0	0.71	0.03	98.0 - 102.0	
4295	99.0	100.0	1.0	1.0	0.74	0.04	4m @ 0.65% WO_3	
4296	100.0	101.0	1.0	1.0	0.37	0.01		
4297	101.0	102.0	1.0	1.0	0.78	0.03		
4298	102.0	103.0	1.0	1.0	0.20	0.01		
4299	103.0	104.0	1.0	1.0	< 0.01	< 0.01		
4300	123.0	124.0	1.0	1.0	< 0.01	< 0.01		
4301	124.0	125.0	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 575/6

0.00 - 2.73 GARNET SKARN

Essentially a garnet pyroxene skarn with some minor amounts of calcite present in it.
This is part of 'B' lens main.
Good grade scheelite is present throughout.

2.73 - 19.01 MARBLE

Typical banded fine grained grey-black 'B' lens marble with occasional zones of disturbed mineralised marble present throughout. In some areas the scheelite content of the mineralised marble is ore grade but the extent of these mineralised areas is quite restricted.

Bedding 66° LCA at 5.45m
69° LCA at 13.20m
65° LCA at 16.13m

Between 13.66m and 14.07m the core is broken and sheared by a small fault which is sub parallel to the core axis.

19.01 - 44.40 PODDED BIOTITE PYROXENE HORNFELS

Essentially this is a fine grained disturbed biotite pyroxene hornfels with calcite and siliceous pods distributed irregularly throughout.
Banding is apparant over the first 3 metres but below this the unit contains only occassional vague relic bands.
The first 17cm of the unit is a distinct fragmental breccia which appears to be pre mineralisation.
Below 42.6m the amount of calcite and garnet in the core increase rapidly and trace scheelite occurs associated with the garnet rich areas.

44.40 - 59.17 PODDED PYROXENE GARNET HORNFELS

A distinctly podded unit of pyroxene garnet hornfels with irregular amounts of calcite and actinolite present within the pods.
Scheelite mineralisation is present throughout but is probably only ore grade between 44.5m to 52.0m. Below this point although the core continues to contain large crystals of scheelite the finely disseminated material present above is lacking.

A number of minor fractures are present in this unit at:
48.48m at 36° LCA
51.54m at 39° LCA
52.64m at // LCA
58.12m at 31° LCA
58.48m at 10° LCA

59.17 - 62.40 PODDED BIOTITE PYROXENE HORNFELS

A small unit of podded biotie pyroxene hornfels, in which the pyroxene groundmass is dominant. Small irregular calcite pods are present through out this unit often with garnet rims. Some trace scheelite is present in the garnet rims of the calcite pods.

62.40 - 64.35 GARNET SKARN

This skarn which is initially slightly podded in appearance and also quite pyroxene rich is located at the contacts of the podded pelitic sediments with the 'C' lens marble.

Scheelite is present through out, initially as course grains but over the last metre as finely disseminated grains.

The grade increased to 64.35m. A fracture sub parallel to LCA is present at 63.3m.

64.35m - 74.73 MARBLE

A finely banded grey white recrystalised marble. This marble has the typical 'C' lens sugary texture which differentiates it from the 'B' lens marble.

A small band of mineralised garnet skarn is present between 65.85 to 66.11 . Below 74.25m some minor bands of biotite pyroxene and garnet occur.

Bedding is at:
60° LCA at 66.26m
78° LCA at 69.82m
69° LCA at 72.08m
63° LCA at 74.10m

74.73 - 78.52 BANDED PYROXENE GARNET SKARN

This unit consists of irregular bands of garnet and pyroxene rich hornfels and is probably due to the presence of carbonate bands interbedded with pelitic bands in the stratigraphic position below the C lens marble.

The amount of garnet present decreases down the sequence and this is reflected by the decreasing scheelite content. Initially the scheelite is present in moderate amounts but thes grades to trace at 78.52m.

The bedding is quite disturbed but readings are as follows: 72° LCA at 75.44m
64° LCA at 77.50m

At 75.0m there is a chlorite filled fracture sub parallel to the LCA.

At 77.14m there is a calcite filled fracture/fault at 22° LCA.

78.52 - 93.20 BANDED FOOTWALL BEDS

Between 78.52m and 89.60m this unit consists of alternating wide bands of biotite, pyroxene and calcite hornfels, while below this depth the bands are thinner.

This unit is completely barren of scheelite mineralisation and only trace garnet is present here.

A small aplite occurs between 86.90 - 88.05. This aplite is biotite rich and has distinct banding over the first 35cm. The lower contact has a good example of rafting apparent in the core.

Bedding is at 73° LCA at 80.20m
68° LCA at 84.00m
69° LCA at 89.00m
79° LCA at 91.65m

93.20 - 102.60 MINERALISED BANDED FOOTWALL BEDS

This is a continuation of the banded unit above but in this area a large percentage of the calcite beds have been replaced by garnet skarn. Scheelite is present in quite large amounts in the garnet rich bands. This is probably only ore grade between 98.0 - 102.0m.

Bedding is apparent throughout. 76° LCA at 93.70m
67° LCA at 97.50m
77° LCA at 101.90m

At 102.60 the core is badly broken and a large amount of pug is present over about 4cm. This area is a possible fault zone.

102.60 - 108.70 BANDED FOOTWALL BEDS

This is a continuation of the above banded biotite, pyroxene, calcite hornfels with only minor amounts of garnet present as replacement of the calcite bands. Most garnet occurs below 108.70m and moderate scheelite is present in these bands, however ore grade is not reached.

Bedding is at 76° LCA at 104.80m

This unit terminates in a pug zone with quite a large broken zone adjacent to it. This is a fault zone.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 575/6

108.20 - 125.10
E.O.H

BIOTITE PYROXENE HORNFELS (BANDED)

A banded unit of biotite pyroxene hornfels with occasional garnet and calcite rich bands present in it. Although scheelite is present in moderate amounts in the garnet rich areas there are insufficient numbers of these to give anymore than sub grade results over a one metre split. The garnet rich areas are most common below 123.41m.

Between 115.42 - 116.26 there is a small aplite dyke.

Major calcite filled fractures occur between
120.87 - 121.32
122.91 - 123.36 and
124.26 - 124.59 all three being sub parallel to the LCA.
Bedding is at 61^{o} LCA at 111.0m
68^{o} LCA at 113.70m
77^{o} LCA at 116.80m
70^{o} LCA at 118.90m
74^{o} LCA at 120.50m
81^{o} LCA at 124.00m

GEOPEKO LIMITED - KING ISLAND

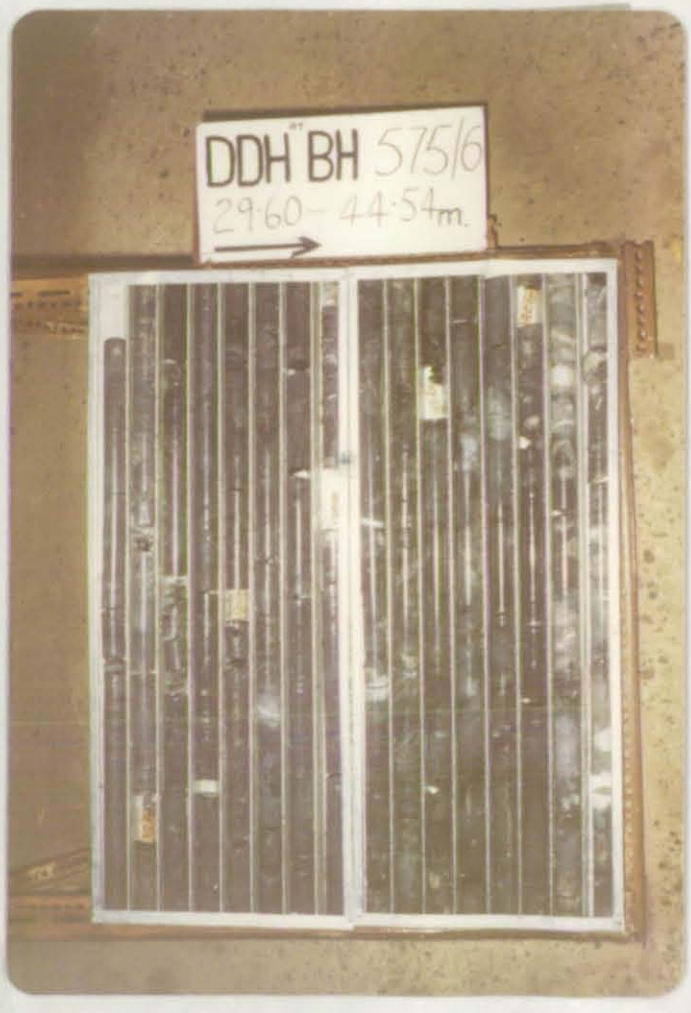
CHECK ASSAY DATA

D.D.H. BH 575/6

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 4254	0.47	0.02	2493	0.54		2494	0.61		2495	0.52		
BH 4264	1.23	0.03	2496	0.98		2497	1.08		2498	1.10		
BH 4277	0.22	0.01	2499	0.20		2500	0.34		2723	0.23		
BH 4286	0.17	<0.01	2724	0.08		2725	0.14		2726	0.18		
BH 4298	0.20	0.03	2727	0.18		2728	0.22		2729	0.22		


DDH BH 5756
0·00 - 14·98 m.


DDH BH 5756
14·98 - 29·60 m.


DDH BH 5756
29·60 - 44·54 m.


DDH BH 5756
44·54 - 59·54 m.


DDH BH 5756
59.54 – 74.45 m.


DDH BH 5756
74.45 – 87.15 m.


DDH BH 5756
87.15 – 104.15 m.


DDH BH 5756
104.15 – 118.96 m.


DDH BH 575/6
118.96 - 125.10m.
LD