GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 535/6

PLANNING

Proposer: J. Clark ..... Depth: 5m

Location: L53 W drive

Purpose of Hole: To test for ore in floor

Co-ords: 40332 E 10535 N

Inclination: -90°

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: 40333.8 E 10533.9 N

R.L. of Collar: 922.0

Inclination of Hole:

Picked up By: B. Lennon Date 20-11-78

SUMMARY

Logged By: J. M. Clark Date

Results: 0-3 m, 3m at 0.70% WO_3

DRILLING

Date Commenced: 17-11-1978 Date Terminated 20-11-1978

Driller/Contractor K.I.S.

Casing:	Size :				
	Depth :				
Core:	Size :	E17			
	Depth :	4.8			

Wedge Runoff:

Wedge placed: Depth 4.8

Proposed by: Approved by

Reason

Extension:

Final Depth: 4.8

Reason for Termination: In unmineralized pyroxene-garnet hornfels.

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 535/6

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6771	0	1	1.0	1.0	0.37	0.01		
72	1	2	"	"	1.31	0.02		
73	2	3	"	"	0.42	0.01		
74	3	4	"	"	0.17	0.01		
75	4	4.8	"	"	0.12	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

Determined by:

GEOPP[illegible] LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 535/6

0.0 - 4.80 m

PYROXENE - GARNET HORNFELS

Calcite/grossular and calcite/grossular/amphibole pods are present in a matrix of pyroxene, calcite grossular with minor andradite and amphibole.

Fine grained scheelite is sparsely distributed throughout. Between 0.9-1.0m, 1.1-1.2m, 1.4-2.35m, and 3.0-3.1m there is moderately to thickly disseminated scheelite.

Minor broken core is present in a calcite rich section of core at 2.85-2.90 m.

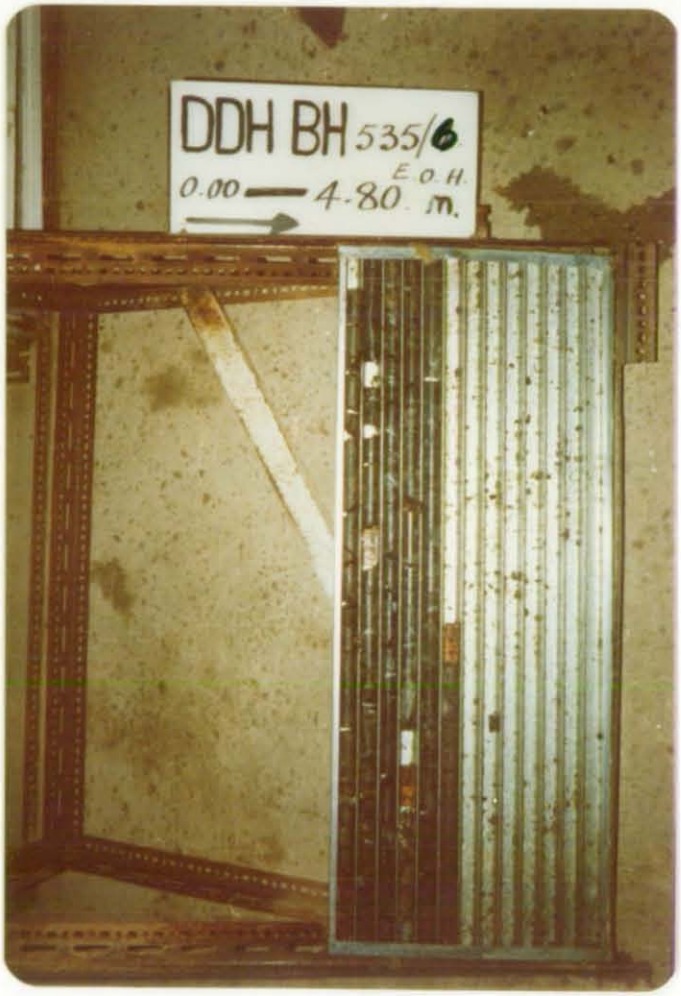
Fractures / m = 8
Recovery = 100%

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 535/6

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	
6772	1.31	0.02	8186	1.06	<0.01	8187	1.39		8188	1.33		


DDH BH 535/6
0.00 — 4.80 E.O.H. m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 535/5

PLANNING

Proposer: J. M. Clark Depth: 5m

Location: L53 W drive

Purpose of Hole: To test for ore in floor of drive.

Co-ords: 40353 E 10535 N

Inclination: -90°

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: 40355.2 E 10534.4 N

R.L. of Collar: 923.0

Inclination of Hole:

Picked up By: B. Lennon Date 24-11-78

SUMMARY

Logged By: J. M. Clark Date

Results: No significant mineralisation.

DRILLING

Date Commenced: 16-11-78 Date Terminated 17-11-78

Driller/Contractor K.I.S.

Casing: Size :

Depth :

Core: Size : E17

Depth : 5.3

Wedge Runoff:

Wedge placed: Depth 5.3m

Proposed by: Approved by

Reason

Extension:

Final Depth: 5.3m

Reason for Termination: In unmineralized pyroxene-garnet hornfels

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: No

Water:

Comments on Drilling Conditions: Good

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 535/5

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6766	0	1	1.0	1.0	0.07	<0.01		
67	1	2	"	"	0.19	<0.01		
68	2	3	"	"	0.01	<0.01		
69	3	4	"	"	0.54	0.01		
70	4	5.3	"	"	0.20	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

Determined by:

GEOPEKO - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 535/5

0.0 - 5.30 m

PYROXENE-GARNET HORNFELS

Small calcite grossular pods are set in a matrix of light green pyroxene, calcite and grossular. Darker green pyroxene and amphibole become more abundant below 3.4 m.

Fine to medium grained scheelite is sparsely disseminated throughout. The interval 3.8-4.0m contains moderately disseminated scheelite.

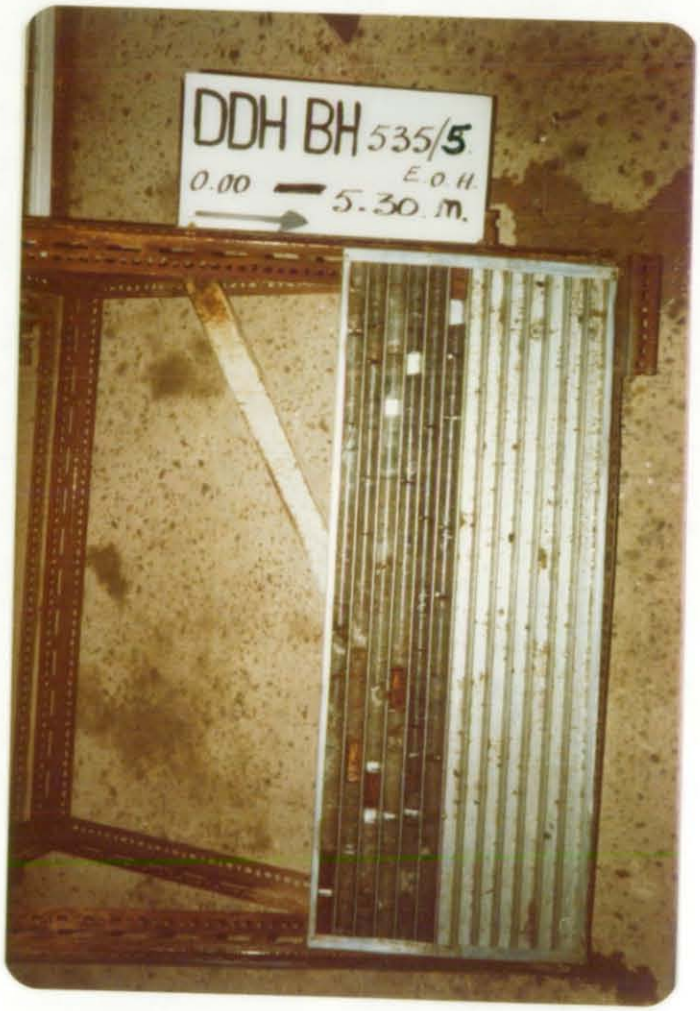
Fractures/m = 7
Recovery = 100%

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 535/5

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	
6767	0.19	<0.01	8183	0.17	<0.01	8184	0.165		8185	0.15		


DDH BH 535/5
0.00
E.O.H.
5.30 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 535/4

PLANNING

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

Location: L53E .....

.....

Purpose of Hole: Test for ore in floor of drive .....

Co-ords: ..... E 10535 ..... N

Inclination: -90° .....

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: 40385.0 ..... E 10535.4 ..... N

R.L. of Collar: 923.7 .....

Inclination of Hole: -90° .....

Picked up By: Brain Lennon ..... Date 14-9-1978

SUMMARY

Logged By: ..... Date .....

Results: 1-3m, 2m @ 0.69% WO3 .....

.....

.....

.....

DRILLING

Date Commenced: 13-9-78 ..... Date Terminated.....

Driller/Contractor ...King Island Scheelite.....

Casing: Size :

Depth :

Core: Size : E17

Depth : 5.50

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason

Extension:

Final Depth: 5.5m

Reason for Termination:

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 535/4

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
B 6740	0	1	1.0	1.0	0.29	0.01		
41	1	2	"	"	1.00	0.01		
42	2	3	"	"	0.38	0.01		
43	3	4	"	"	0.16	0.01		
44	4	5	"	"	0.08	0.01		
45	5	6	"	"	0.20	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 535/4

0.0 - 5.50 m

PYROXENE-GARNET HORNFELS

Pyroxene-garnet hornfels with small calcite and calcite-grossular pods in a matrix of pyroxene, grossular, andradite and calcite. Minor biotite is present in the matrix from 4.4 - 5.5 m.

Minor scattered fine grained scheelite is present with some coarse grained crystals present at 1.6m. Grade of ore is less than 0.10%.

Minor broken core is present at 3.3m and 5.2m.

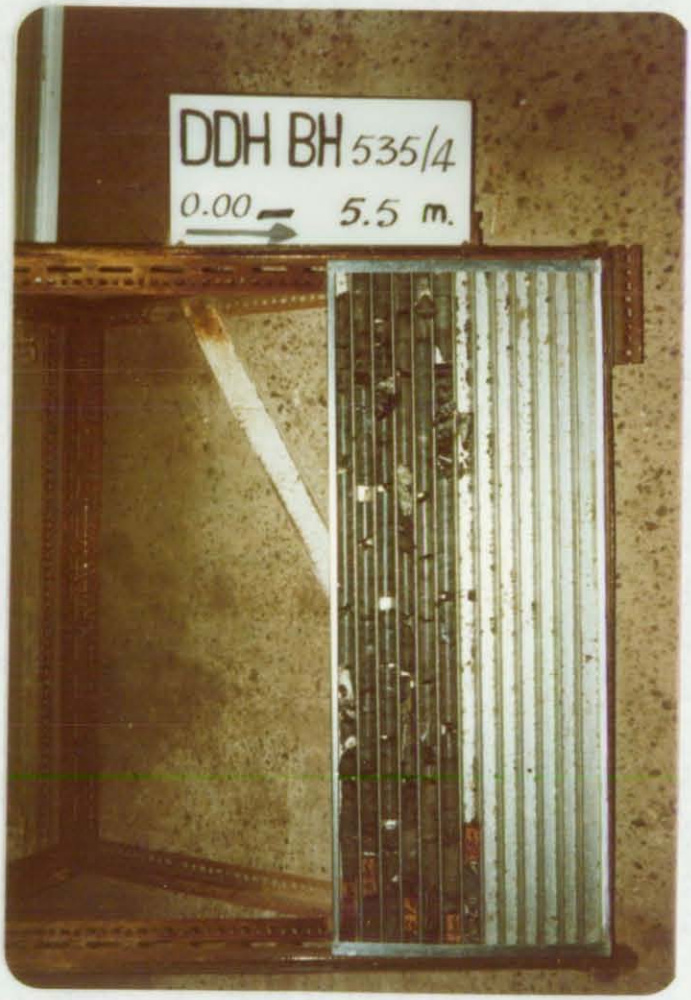
Fractures/m = 12
Recovery = 100%

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 535/4

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	
6741	1.00	0.01	8180	01.10	0.01	8181	1.39		8182	1.44		


DDH BH 535/4
0.00
5.5 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 535/3

PLANNING

Proposer: J. Clark Depth: 10m

Location: L53E

Purpose of Hole: Test for ore in floor of drive

Co-ords: ..... E 10535 N

Inclination: -90°

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: 40394.4 E 10533.2 N

R.L. of Collar: 923.7

Inclination of Hole: -90°

Picked up By: Brain Lennon Date 14-9-1978

SUMMARY

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

Results: 0- 5m, 5m at 0.82% WO_3, 0.02% Mo

9-11m, 2m at 0.50% WO_3, 0.04% Mo

DRILLING

Date Commenced: 11-9-1978 Date Terminated 12-9-1978

Driller/Contractor King Island Scheelite

Casing: Size : E17

Depth : 17.4

Core: Size :

Depth :

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason

Extension:

Final Depth: 17.4m

Reason for Termination: In barren marble

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 535/3

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
B 6659	0	1	1.0	1.0	1.16	0.02		
60	1	2	"	"	0.66	0.01		
61	2	3	"	"	0.42	0.02		
62	3	4	"	"	0.32	<0.01		
63	4	5	"	"	1.53	0.04		
64	5	6	"	"	0.12	0.01		
65	6	7	"	"	<0.01	0.01		
66	7	8	"	"	<0.01	0.01		
67	8	9	"	"	0.16	0.01		
68	9	10	"	"	0.49	0.01	} 0.50	
69	10	11	"	"	0.51	0.07		
70	11	12	"	"	<0.01	0.04		
71	12	13	"	"	<0.01	<0.01		
72	13	14	"	"	<0.01	<0.01		
73	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 535/3

0.0 - 9.55m

PYROXENE-GARNET HORNFELS

A varied unit consisting of irregular pods of grossular calcite and actinolite in a matrix of pyroxene, andradite and grossular. Minor fine grained disseminated scheelite is present from 0.-5.7m, but only the interval 0-1m is possible low grade ore.

5.7-8.1m. Biotite-pyroxene hornfels where grossular calcite pods and rock fragments are present in a matrix of pyroxene and biotite.

8.1-9.55m. Pyroxene-garnet hornfels in which calcite pods become very indistinct towards the end of the unit.

Fractures/m	=	4
Recovery	=	100%

9.55 - 11.30 m

GARNET HORNFELS

Garnet hornfels containing small calcite veinlets and abundant small aggregrates of pyrite. Fine grained thickly disseminated scheelite is present.

Fractures/m	=	4
Recovery	=	100%

11.30 - 17.40 m

MARBLE

Light grey fine to medium grained marble with minor small grossular beds. Scheelite is not present.

13.1-13.4m Broken core with minor core loss (10cm).

At 13.0 m bedding is 75^{o} to core axis.

Fractures/m	=	5
Recovery	=	98%

EOH 17.4 m

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 535/3

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	
6660	0.66	0.01	8171	0.90	<0.01	8172	0.710		8173	0.64		
6669	0.51	0.07	8174	0.54	<0.01	8175	0.550		8179	0.51		


DDH BH 535/3
0.00 — 17.40 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH ~~525/6~~ 535/2

PLANNING

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

Location: N52 drive at 1017 R.L. on 10535N.

Purpose of hole: To define Boundary Fault and possible fault orebody.

Co-ordinates: 10386 E 10535 N

Inclination: + 75° 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: 10385.69 E 10533.52 N

R.L. of collar: 1021.50 Inclination of hole:

Picked up by : J. Cook. Date: 7/3/75

SUMMARY

Logged by : S.G. Brown.

Results: No significant fault orebody.
Boundary fault: 12.46 - 14.02m.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 12/3/75 Date terminated: 17/3/75

Casing: Size : NIL.

Depth :

Core: Size : A17

Depth : 19.57

Wedge Runoff:

Wedge placed: NIL. Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Hole passed through the the Boundary Fault and Final depth: 19.57m

Condition of hole on completion: into quartzite.

Casing : NIL

Cemented : NO.

Bore hole survey: Yes. surveyed to 18.29m.

Water:

Comments on drilling conditions:

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH ~~525/6~~ 535/2

Survey method : Multishot camera.
Final depth : 19.57m
Casing depth : NIL.

Depth surveyed to : 18.29m.
Date surveyed : 17/3/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E N	N E
6.10	086°	058°	15°	+ 75°	5.89	0.84	1.34
9.14	087°	059°	15°	+75°	8.83	1.24	2.02
12.19	087°30'	059°30'	15°	+75°	11.78	1.64	2.69
15.24	088°15'	060°15'	15°	+75°	14.72	2.04	3.38
18.29	090°	062°	15°	+75°	17.67	2.41	4.08

REMARKS An E500 Uphole.

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH ~~525/6~~ 535/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 8.84	pgh/ bph/	6		minor carbonate		100	74	
8.84 - 19.51	bph/q	13		pyrite @ 19.00		98	43	Poor ground, particularly so: 12.20 - 14.02 15.34 - 16.00 17.25 - 17.44 Boundary fault: 12.46 - 14.02.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length } \sout{\text{recovered}} \text{ drilled}}$ %
3. Core size. 0 - 19.51 A17.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH ~~525/6~~ 535/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.74	2.74	2.70	99
5.79	3.05	3.05	100
8.84	3.05	3.05	100
11.86	3.04	2.86	94
14.02	2.16	1.78	82
15.70	1.68	1.60	95
17.07	1.37	2,36	172
19.51	2.44	1.85	76

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH ~~525/6~~ 535/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
D0922	0	1	1.0	1.0	0.40	<0.01				
3	1	2	"	"	0.21	<0.01				
D0924	2	3	"	"	0.11	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. D 535/2

LAB.	K.I.S.		LAB.	K.I.S.		LAB. A.MD.E.L.			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	Check Sample No.	WO_3	Mo.	
D 0923	0.21	<0.01	BH 1678	0.16	<0.01	BH 1679	0.32		BH 1680	0.31		

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH ~~525/6~~ 535/2

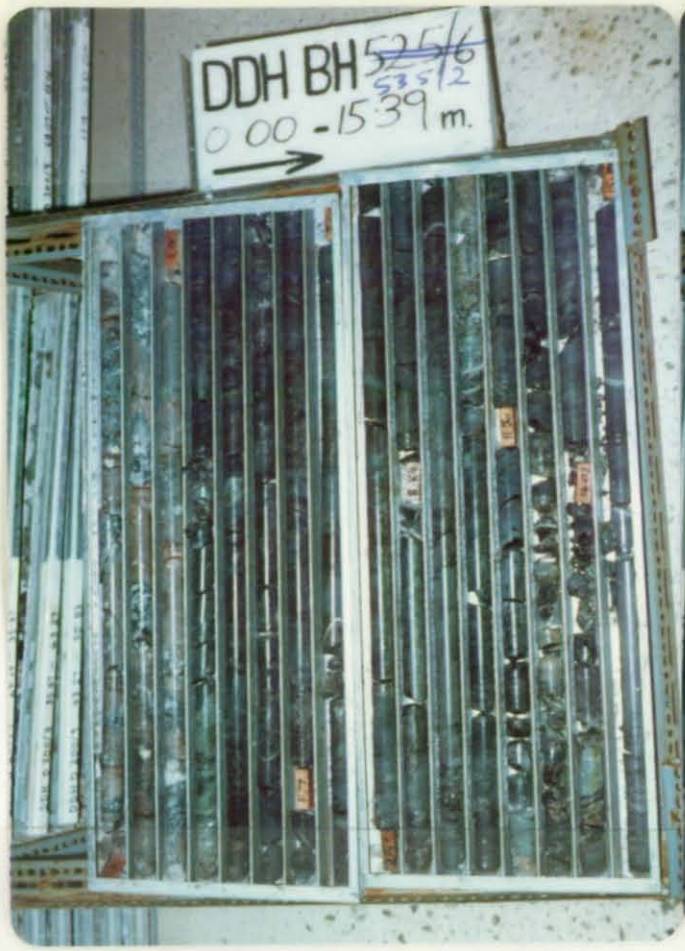
0 - 3.02m	PYROXENE GARNET HORNFELS
	A very disturbed pyroxene garnet hornfels with large calcite pods and actinolite needles. Minor scheelite is present here.
3.02 - 12.46m	BIOTITE PYROXENE HORNFELS
	A disturbed unit consisting of fine grained biotite and pyroxene hornfels occuring as irregular bands which grade into ane another. Some small pods are present in this unit and the last 1m or so is banded with a small fold being apparent at about 12m.
12.46 - 14.02m	BOUNDARY FAULT
	A zone of broken quartz etc. recemented by silica.
14.02 - 19.51m	QUARTZITES.
	A fine grained dark grey pyritic quartzite with minor bands of black siltstone present in it.
E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 535/2

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 0923	0.21	<0.01	BH 1678	<0.16	0.01	BH 1679	0.32		BH 1680	0.31		


DDH BH ~~525~~/6
535/2
0.00 - 15.39 m.


DDH BH ~~525~~/6
535/2
15.39 - 19.51 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No.BH 535/1

PLANNING

Proposer: S.G. Brown. Depth: 40m.

Location: N52 drill drive at 10530N.

Purpose of hole: To define 'A' lens adjacent to the Boundary fault.

Co-ordinates:	10385	E	10530	N
Inclination:	+71°			Magnetic
Bearing:	270°	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:	10385.16	E	10533.16	N
R.L. of collar:	1021.49			Inclination of hole:
Picked up by :	J. Cook.			Date: 7 / 3 / 75

SUMMARY

Logged by : S.G. Brown.

Results: 0 - 2m 2m @ 0.86% WO_3
0.06% Mo.

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 4/3/75 Date terminated: 7/3/75

Casing:	Size :	NIL			
	Depth :				
Core:	Size :	A.17			
	Depth :	43.89			

Wedge Runoff:

Wedge placed: NIL. Depth:

Proposed by : Approved by:

Reason:

Extension: NIL.

Reason for termination: Final depth: 43.89m

Condition of hole on completion:

Casing : NO.

Cemented : NO.

Bore hole survey: Multishot to 43.89m.

Water: Yes minor.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 535/1

0 - 1.47m PYROXENE GARNET HORNFELS

A podded brown green pyroxene garnet hornfels with some minor pods of actinolite and calcite present in it, minor mineralization is also present.

1.47 - 16.35m PODDED BIOTITE PYROXENE HORNFELS

Initially a typical podded biotite pyroxene hornfels with irregular fragments and whispy pods scattered throughout.

Below about 14.5m the core becomes more sheared in appearance and the podded nature becomes less evident.

A small aplite dyke is present between 11.71 - 12.35m.

16.35 - 23.48m SHEARED BIOTITE PYROXENE HORNFELS

A grey-purple-brown rock unit with a very sheared appearance. This unit appears originally to have been a podded biotite pyroxene hornfels now much disturbed and sheared by proximity to the boundary fault.

23.48 - 40.38m QUARTZITES

A fine grey spotted quartzites with minor areas of siltstone present in it. Quite large amounts of pyrite are visible both as veinlets and as thin layers on the joints.

40.38 - 43.88m PYROXENE CALCITE HORNFELS

An extremely disturbed and podded unit of pyroxene calcite hornfels with initially some minor biotite content.

Some molybdenum mineralization is visible in this unit from 42.5m on.

E.O.H.

GEOPEKC LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 535/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 9.14	pgh/ podded bph	6		minor pyrite @ 4.11		96	85	
9.14 - 24.38	podded bph/sheared bph/q	14				81	32	Very poor ground.
24.38 - 40.23	q	13		minor pyrite		90	33	Very poor gound particularly so (rubble): 33.86 - 33.95.
40.23 - 43.89	q/pch			minor chlorite @ 43.39.		90	88	

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designator). = $\frac{\text{length core} > 10 \text{ cms}}{\text{length ~~recovered~~ drilled}}$ %
3. Core size. 0 - 43.89 A17.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 535/1

Survey method : Multishot camera.
Final depth : 43.89m
Casing depth : NIL.

Depth surveyed to : 42.67m
Date surveyed : 17/3/75
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		S	W
6.10	274°	246°	19°	+71°	5.76	0.81	1.81
12.19	272°	244°	18°15'	+71°45'	11.55	1.53	3.55
18.29	269°	241°	17°45'	+72°15'	17.35	2.41	5.21
24.38	267°30'	239°30'	17°	+73°	23.17	3.32	6.76
30.48	267°	239°	17°	+73°	29.00	4.22	8.29
36.58	267°	239°	17°	+73°	34.83	5.14	9.81
42.67	264°	236°	16°45'	+73°15'	40.66	6.13	11.28

REMARKS An E500 uphole.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 535/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.59	2.59	2.72	105
4.41	1.82	1.75	96
6.09	1.68	1.62	96
7.46	1.37	1.27	93
9.14	1.68	1.39	83
11.88	2.74	2.28	83
14.63	2.75	2.30	84
16.15	1.52	1.40	92
18.28	2.13	1.77	83
20.42	2.14	1.85	86
24.38	3.96	2.80	71
24.99	0.61	0.98	161
29.59	4.60	3.71	81
30.48	0.89	1.05	117
32.91	2.43	2.33	96
35.97	3.06	2.75	90
39.01	3.04	2.50	82
40.23	1.22	0.93	76
43.89	3.66	3.30	90

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No BH 535/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH 1333 4	0	1	1	1	0.78	0.06		0 - 2m 2m @ 0.86% WO_3 0.06% Mo.
	1	2	1	1	0.94	0.07		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

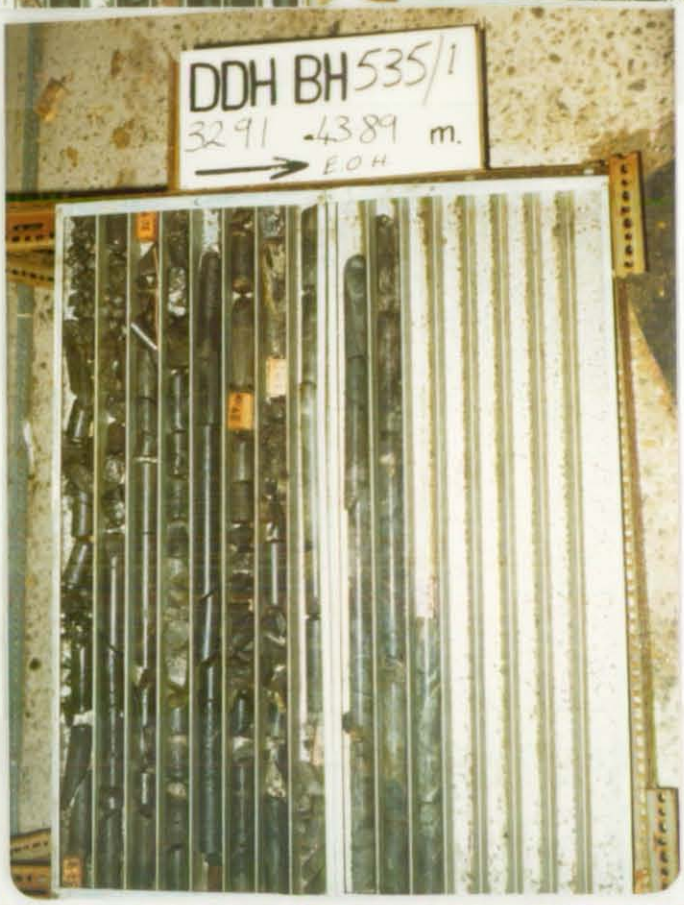
CHECK ASSAY DATA

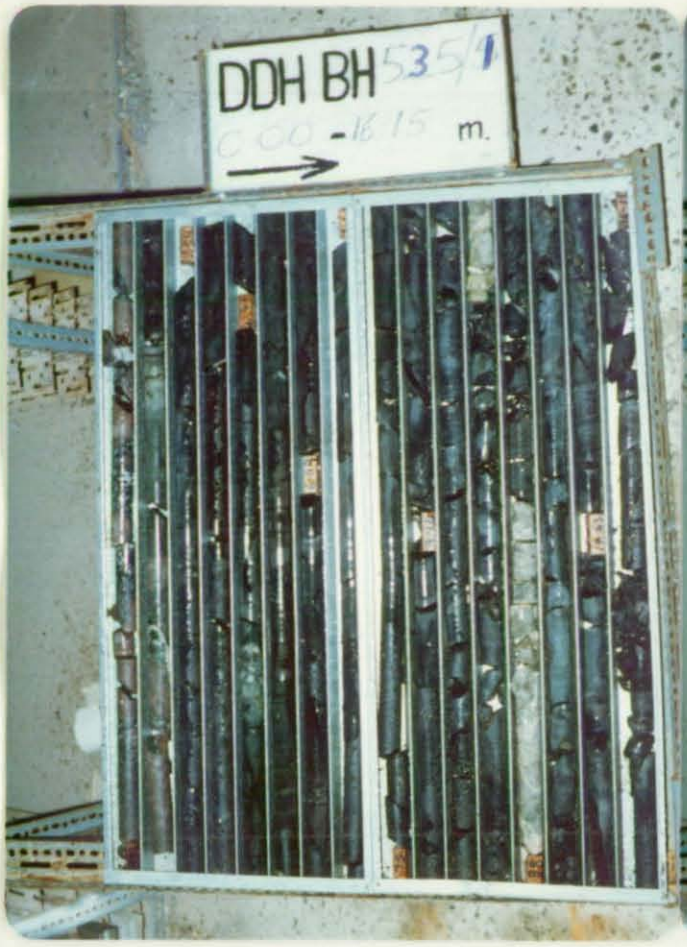
D.D.H. ~~X~~ B 535/1

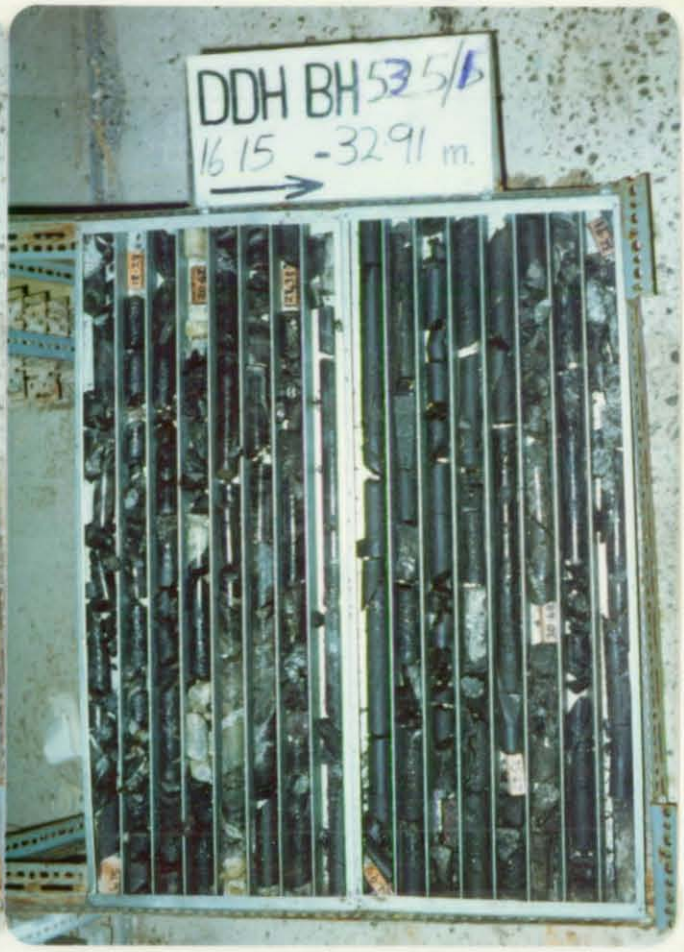
LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1334	0.94	0.07	BH 3439	0.87		BH 3440	0.82		BH 3441	0.65		


DDH BH535/1
0 00 - 16 15 m.


DDH BH535/1
16·15 - 32 91 m.


DDH BH535/1
32 91 - 43 89 m.
EOH


DDH BH 535/1
0.00 - 16.15 m.


DDH BH 535/1
16.15 - 32.91 m.


DDH BH 535/1
32.91 - 43.89 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 530/8

PLANNING

Proposer: R. Bogaart. Depth: 25m

Location: L43 Drive in 'A' lens.

Purpose of hole: To test 'A' lens west mineralisation adjacent No. 2 Fault.

Co-ordinates: 10340 E 10530 N
Inclination: + 40° Magnetic:
Bearing 270° Grid Target Depth:
Target: E N
Approved by: M.C. Rogers Date:

SURVEY

Survey Co-ords: E N
Survey bearing: 273°30' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 339.19 E 10 529.64 N
R.L. of Collar: 1048.18 Inclination of Hole: +39°42'
Picked up by: J. Cook. Date: 14/1/76

SUMMARY

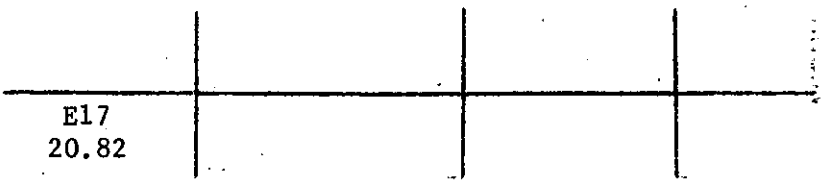
Logged by: R. Bogaart.
Results: 2 - 4m, 2m @ 0.61% WO_3.
9 - 20m, 11m @ 0.64% WO_3.

DRILLING

Driller/Contractor: Geopeko.

Date commenced: 15/1/76 Date terminated: 20/1/76

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



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

Extension: Nil
Reason for termination: Entered Upper Volcanics

Condition of hole on completion: Final depth: 20.82
Casing:
Cemented:
Bore hole survey: Yes, acid tube.
Water: No

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/8

Survey method : Acid tube test
Final depth : 20.82
Casing depth : -

Depth surveyed to : 20.82
Date surveyed : 20/1/76
Surveyed by : G.S.S.
Checked by : R.B.

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
20.82			+49°	+42°30'	14.07'	10339.19	10529.64

REMARKS:

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/8

Depth Interval (metres)	Rock Type	Fractures /m.	Joint Angle (wrt LAOC)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 10.99	Ch/Chm/ Ch/pgh	6	-	Carbonate @ 5.94. Chlorite and Carbonate @ 8.37, 10.31	26° @ 1.04	98	58	Excellent core recovery. Most joints are clean in this interval. Core badly broken @ 6.07.
10.99 - 21.95 E.O.H.	pgh/uv	5	-	Chlorite and carbonate @ 11.70, 17.0, 20.34 Chlorite @ 14.03, 17.21.	-	97	72	Excellent core recovery.

FURTHER DATA & REMARKS

1. Detailed % core recoveries within each depth interval is shown in the core recovery tabulation.
2. R.Q.D. (rock quality designation) $+= \frac{\text{length core } >10 \text{ cms}}{\text{length drilled}}$ %
3. Core size. E17

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 530/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.04	1.04	1.02	98
2.34	1.30	1.26	97
3.81	1.47	1.50	102
4.80	0.99	0.98	99
7.94	3.14	3.03	196
9.47	1.53	1.53	100
10.99	1.52	1.46	96
13.42	2.43	2.40	99
16.50	3.08	3.06	99
18.94	2.44	2.40	98
21.95	3.01	2.76	92
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No.BH 530/8

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo	COMMENTS
BH 2371	1.0	2.0	1.0	1.0	<0.01	<0.01	
2	2.0	3.0	1.0	1.0	0.74	0.04	2 - 4m, 2m @ 0.61% WO_3
3	3.0	4.0	1.0	1.0	0.47	0.01	
4	4.0	5.0	1.0	1.0	<0.01	<0.01	
5	7.0	8.0	1.0	1.0	<0.01	<0.01	
6	8.0	9.0	1.0	1.0	0.15	<0.01	
7	9.0	10.0	1.0	1.0	0.30	0.01	
8	10.0	11.0	1.0	1.0	0.47	0.01	
9	11.0	12.0	1.0	1.0	0.46	0.02	
80	12.0	13.0	1.0	1.0	0.50	0.01	9 - 20m, 11m @ 0.64% WO_3
1	13.0	14.0	1.0	1.0	1.05	0.04	
2	14.0	15.0	1.0	1.0	0.71	0.04	
3	15.0	16.0	1.0	1.0	0.95	0.04	
4	16.0	17.0	1.0	1.0	0.75	0.04	
5	17.0	18.0	1.0	1.0	0.77	0.04	
2386	18.0	19.0	1.0	1.0	0.74	0.03	
2387	19.0	20.0	1.0	1.0	0.35	0.01	

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/8

0 - 2.09 MARBLE

A fine grained dark grey recrystallised marble. The unit contains no pyroxene or garnet and is devoid of any scheelite mineralisation.
Bedding 27° LCA @ 1.04.

2.09 - 3.57 MINERALISED MARBLE

A fine grained pyroxene rich marble with irregular areas of coarse grained garnet. Fine scheelite is disseminated throughout the unit.

3.57 - 8.31 MARBLE

As above, a fine grained dark grey recrystallised marble. Some remnant bedding is present in the unit. A coarse grained white crystalline marble exists between 6.40 to 6.86. The unit is devoid of any scheelite mineralisation.

8.31 - 19.47 PYROXENE GARNET HORNFELS

A fine grained green - brown unit of pyroxene garnet hornfels. The unit is pyroxene rich, with lesser amounts of garnet and carbonate throughout. Good scheelite mineralisation occurs between 8.31 to 18.73 and is expected to reach ore grade.
Remnant bedding can be observed in various areas.
Bedding is 35° LCA @ 10.09
30° LCA @ 12.21
34° LCA @ 14.86.

19.47 - 21.95 E.O.H. UPPER VOLCANICS

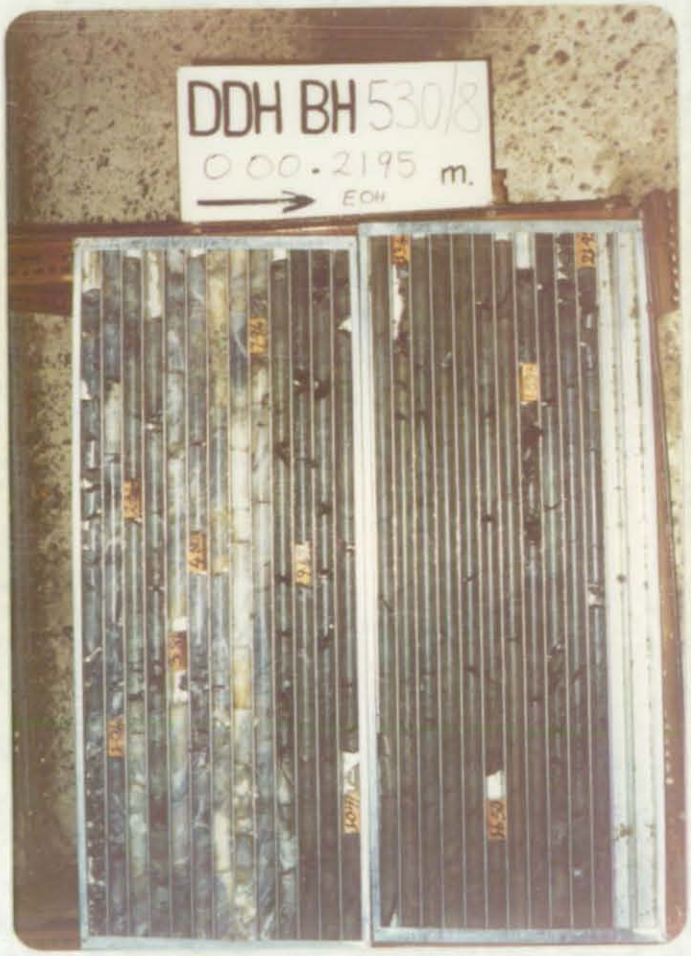
A fine grained grey green mattled volcanic rock with abundant chlorite throughout.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 530/8

LAB.	K.I.S.		LAB.	KIS Check		LAB.	AMDEL		LAB.	A.C.S.L.		
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 2375	<0.01	<0.01	BH 3218	<0.01		BH 3219	0.029		BH 3220	0.015		
BH 2385	0.77	0.04	BH 3221	0.87		BH 3222	0.89		BH 3223	0.77		


DDH BH 530/8
000 - 2195 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. B 530/7

PLANNING

Proposer: S.G. Brown — Depth: 10m

Location: 052 Drive A lens

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

Co-ordinates: 10373 E 10530 N

Inclination: ~~-90°~~ -90° — Magnetic

Bearing: ~~090~~ — Grid — Target depth: 10.22m

Target: E N

Approved by: M.C. Rogers. — Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 158°11' 55" Grid — Magnetic

Surveyed in by: — Date:

Actual Co-ords: 10372.724 E 10 530.273 N

R.L. of collar: 1046.45 — Inclination of hole: -87°56'04"

Picked up by : J. Cook — Date: 10.12.75

SUMMARY

Logged by : S.G. Brown

Results: Minor mineralisation present between 0 - 1.70m

DRILLING

Driller/Contractor: Geopeko

Date commenced: 25/11/75 — Date terminated: 2/12/75

Casing: Size : Nil

Depth :

Core: Size : E17

Depth : 10.22

Wedge Runoff:

Wedge placed: — Depth:

Proposed by : — Approved by:

Reason:

Extension:

Reason for termination: Below base of A lens mineralisation. — Final depth: 10.22m

Condition of hole on completion:

Casing : NIL

Cemented : NO

Bore hole survey:

Water: Lost water at 1.8m.

Comments on drilling conditions: Bad ground

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. B 530/7

Survey method :
Final depth :
Casing depth :

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

DEPTH (m)	Bearing		Inclination		True Vertical Depth (m)	Co-oridinates
	Grid	Mag.	Read	Corrected		
	HOLE NOT SURVEYED					

REMARKS:

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

SUMMARY STRUCTURAL DATA

D.D.H. No. B 530/7

Depth Interval (metres)	Rock Type	Fractures /m.	Joint Angle (wrt LAOC)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 5.05	ph/bph	7	-	Carbonate and chlorite @ 0.42 Chlorite and Sulphide @ 1.90, 4.62	-	90	47	Fair core recovery. Core lost between 3.74 - 4.01
5.05 - 10.22 E.O.H.	bph	7	-	chlorite and sulphide @ 6.95, 8.27, 9.92	-	97	31	Excellent core recovery. Unit badly broken throughout

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. B 530/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 0.93	0.93	0.59	63
3.32	2.39	2.40	100
3.74	0.42	0.39	93
4.01	0.27	0.12	44
5.05	1.04	1.03	99
5.84	0.79	0.72	91
6.37	0.53	0.45	85
7.52	1.15	1.12	97
7.95	0.43	0.42	98
9.35	1.40	1.40	100
10.22	0.87	0.88	101
E.O.H.			

GEOPEKO LIMITED - KING ISLAND BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 530/7

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

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 530/7

0 - 1.70m PYROXENE HORNFELS

This unit contains minor amounts of garnet present at irregular bands and patches throughout the dominantly pyroxene rich groundmass. Only minor scheelite is present in this unit.

1.70m - 10.22m E.O.H. BIOTITE PYROXENE HORNFELS

A disturbed slightly podded unit of grey - black biotite pyroxene hornfels. Some irregular banding is present throughout this unit as at 7.60m where it makes an angle of ∝60 LCA.


DDH BH 530/7
0·00 - 10·22 m.
E.O.H

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/6

PLANNING

Proposer: S.G. Brown — Depth: 25m

Location: 052 drive A lens.

Purpose of hole: To test mineralisation adjacent to the Boundary Fault.

Co-ordinates: 10373 E 10530 N

Inclination: +83° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers Date:

SURVEY

Survey Co-ords: E N

Survey bearing 274°58'00" Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10 373.37 E 10 529.59 N

R.L. of collar: 1049.99 Inclination of hole: +82°58'00"

Picked up by : J. Cook Date: 22.12.75

SUMMARY

Logged by : R. van den Bogaart.

Results: 2.0m - 8.0m, 6m @ 1.14%WO_3

DRILLING

Driller/Contractor: Geopeko

Date commenced: Date terminated:

Casing:	Size :	Nil		
	Depth :			
Core:	Size :	E17		
	Depth :	17.45		

Wedge Runoff:

Wedge placed: Nil Depth:

Proposed by : Approved by:

Reason:

Extension:

Reason for termination: Entered quartzites Final depth:

Condition of hole on completion:

Casing : Nil

Cemented : Nil

Bore hole survey: Yes, acid tube at 17.45

Water: -

Comments on drilling conditions: fair

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/6

Survey method : Acid tube test
Final depth : 17.45
Casing depth : -

Depth surveyed to : 17.45
Date surveyed : 9/1/76
Surveyed by : G.S.S.
Checked by : R.B

DEPTH (m)	Bearing		Inclination		True Vertical Depth (m)	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
17.45			+87°	85° 30'	17.40	10373.37	10529.59

REMARKS:

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/6

Depth Interval (metres)	Rock Type	Fractures /m.	Joint Angle (wrt LAOC)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.)	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 8.65	gh/ap(m)/ disturbed bph	4	-	chlorite and sulphide @ 6.40	-	97	64	Excellent core recovery. Core leached between 1.28 - 2.72 and 6.04 - 8.15
8.65 - 17.45 E.O.H.	disturbed bph/q	5	-	chlorite and sulphide @ 10.94 , 16.60 carbonate @ 12.83	-	98	78	Excellent core recovery.

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - King Island

CORE RECOVERY

D.D.H. No. BH 530/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1.28	1.28	1.22	95
2.72	1.44	1.44	100
3.72	1.00	1.02	102
4.07	0.35	0.32	91
4.35	0.28	0.31	110
5.30	0.95	0.90	95
5.70	0.40	0.42	105
6.72	1.02	0.98	96
6.99	0.27	0.22	81
7.25	0.26	0.22	85
8.65	1.40	1.37	98
10.10	1.45	1.47	101
11.26	1.16	1.07	92
12.83	1.57	1.54	98
15.55	2.72	2.70	99
16.84	1.29	1.23	95
17.45	0.61	0.60	98
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 530/6

SAMPLE No.	DEPTH (METRES) From	To	Length	Length Recovered	ELEMENTS WO_3	Mo		COMMENTS
BH 2353	0	1.0	1.0	1.0	0.05	<0.01		
4	1.0	2.0	1.0	1.0	0.10	<0.01		
5	2.0	3.0	1.0	1.0	0.92	0.07		
6	3.0	4.0	1.0	1.0	0.90	<0.01		
7	4.0	5.0	1.0	1.0	0.36	<0.01	2.0 - 8.0m, 6m @ 1.14% WO_3	
8	5.0	6.0	1.0	1.0	0.49	<0.01		
9	6.0	7.0	1.0	1.0	1.48	0.09		
60	7.0	8.0	1.0	1.0	2.67	0.47		
2361	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 530/6

0 - 2.37 GARNET SKARN

A fine grained grey - pink garnet hornfels, with minor amounts of pyroxene and calcite throughout the groundmass.

Good scheelite is finely disseminated throughout the unit, and is expected to reach ore grade. The core is leached between 1.28 - 2.37.

2.37 - 8.21 MINERALISED APLITE

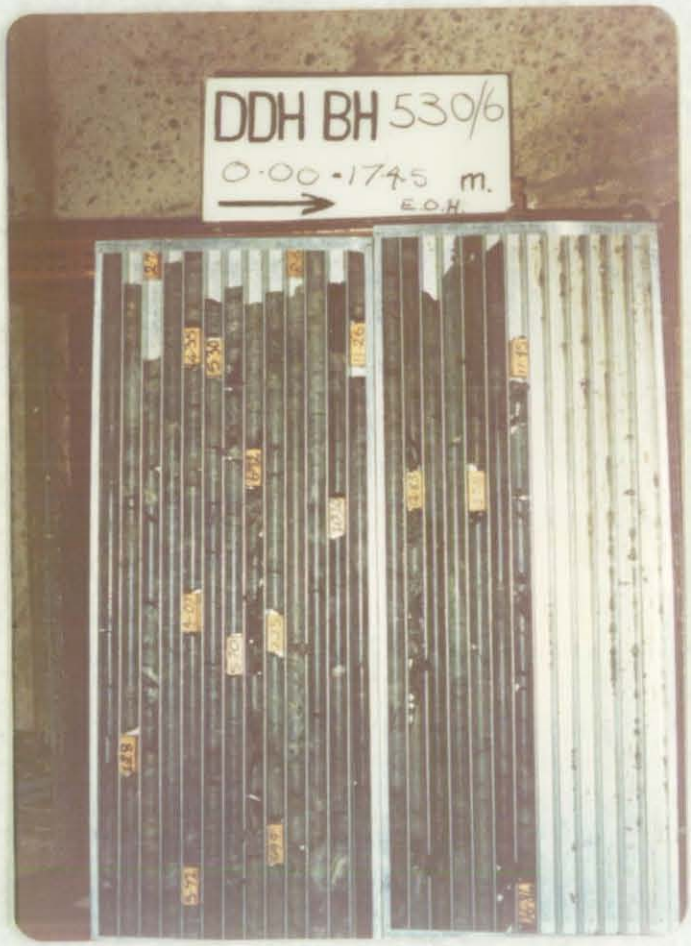
This unit is a medium grained grey - green aplite, with good scheelite throughout. The aplite forms gradational contacts with garnet skarn at one end and biotite pyroxene hornfels at the other. The unit consists of pyroxene, quartz, with feldspar blebs distributed evenly throughout.
Molybdenite and pyrrhotite occurs throughout the groundmass. The whole unit appears to be an aplite completely intermixed with the country rock. The scheelite mineralisation is associated with the pyroxene rich areas. A quartz vein containing large spheroids of molybdenite occurs at 8.03 metres. The whole unit is severely leached.

8.21 - 9.67 DISTURBED BIOTITE PYROXENE HORNFELS

This is an extremely disturbed grey - green unit of biotite pyroxene hornfels with angular fragments throughout. This unit is probably a recemented breccia. The irregular banding appears to be parallel to the Boundary Fault.

9.67 - 17.45 QUARTZITES

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


DDH BH 530/6
0.00 - 174.5 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/5

PLANNING

Proposer: S.G. Brown. Depth: 10m.

Location: L.43 Drive 'A' lens.

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

Co-ordinates: 10342 E 10530 N

Inclination: vertical Magnetic

Bearing: 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: 10340.7 E 10529.9 N

R.L. of collar: 1045.6 Inclination of hole:

Picked up by : R.J.H. Date: 26/5/75

SUMMARY

Logged by : S.G. Brown.

Results: No ore grade material intersected.

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 8/5/75 Date terminated: 14/5/75

Casing: Size : NIL

Depth :

Core: Size : E.17

Depth : 10.77

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Entered Bh below 'A' lens Final depth: 10.77

Condition of hole on completion:

Casing : NIL

Cemented : No

Bore hole survey: No.

Water: No.

Comments on drilling conditions:

Good in marble and skarn.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/5

Survey method : Not surveyed.
Final depth : 10.77m.
Casing depth :

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

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/5

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)
0 - 10.77m	ch/ p Skarn/ bh/ bph.	15+		Chlorite @ 1.98 Carbonate, chlorite @ 5.23 Chlorite @ 8.63	48° @ 5.12.	88	28	Rubble between the intervals 0 - 0.77 4.60 - 5.00 9.10 - 9.40 9.96 - 10.77. Very poor ground conditions.

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 530/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 1.45	1.45	1.35	93
4.50	3.05	2.96	97
5.00	0.50	0.47	94
5.57	0.57	0.44	77
7.06	1.49	1.17	79
7.74	0.68	0.72	105
8.20	0.46	0.35	76
8,40	0.20	0.17	85
9.00	0.60	0.42	70
9.40	0.40	0.44	110
9.86	0.46	0.42	91
10.18	0.32	0.31	97
10.77	0.59	0.25	42
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 530/5

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1154	1	2	1	1	0.23	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/5

0 - 1.33m	MARBLE A dark grey-black disturbed recrystalized marble. The core throughout is very badly broken.
1.33m - 2.11m	PYROXENE SKARN A dark green pyroxene skarn with minor scheelite throughout.
2.11 - 5.04m	BIOTITE HORNFELS A very dark black biotite hornfels with minor pyroxene bands present in it. Possible bedding at 59° L.C.A. at 4.0m.
5.04 - 10.77m	BIOTITE PYROXENE HORNFELS A banded unit with biotite hornfels forming the dominant member. Minor bands of calcite garnet material also occur. Betwwen 6.00 - 6.14m a small possible aplite occurs. Banding is visible at 50° L.C.A. at 5.3m. at 54° " at 8.63m.
10.77m E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. XO B 530/5

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 1154	0.23	<0.01	BH 3352	0.29		BH 3353	0.325		BH 3354	0.26		


DDH BH 5305
0.00 - 10.77 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/4

PLANNING

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

Location: 'A' lens L43 drive

Purpose of hole: to test 'A' lens east of L43 drive.

Co-ordinates: 10344 E 10530 N

Inclination: -12° Magnetic

Bearing: 090° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 89°30' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10343.9 E 10530.0 N

R.L. of collar: 1046.6 Inclination of hole: -17°

Picked up by : R.J.H. Date: 26/5/75

SUMMARY

Logged by : S.G. Brown.

Results: 5m - 16m 11m @ 0.67% WO_3

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 15/5/75 Date terminated: 16/5/75

Casing: Size : NIL

Depth :

Core: Size : E17

Depth : 22.86

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: entered biotite hornfels below 'A' lens. Final depth: 22.86m.

Condition of hole on completion:

Casing : Nil

Cemented : No.

Bore hole survey: Yes acid tube.

Water: Nil

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/4

Survey method : Acid tube.
Final depth : 22.86m.
Casing depth : NIL.

Depth surveyed to : 22.86m.
Date surveyed :
Surveyed by : V.J. Powell
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
22.86m	-----	-----	22°30'	-17°45'			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/4

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 9.80	Pg skarn	7		Chlorite @ 0.63 Carbonate chlorite @ 2.95. Sulphide @ 3.20 Carbonate chlorite @ 6.30 Carbonate, chlorite @ 7.22.		99	74	Most joints contain carbonate & chlorite.
9.80 - 22.86	Pg skarn/ bh	7		Carbonate, chlorite @ 12.83. carbonate, chlorite @ 16.65. Chlorite @ 18.17. carbonate, chlorite @ 19.42		101	79	Most joints contain carbonate and chlorite.

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 530/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 2.20	2.20	2.13	97
3.60	1.40	1.40	100
5.74	2.14	2.19	102
7.93	2.19	2.15	98
9.80	1.87	1.88	101
12.64	2.84	2.83	100
15.47	2.83	2.82	100
17.70	2.23	2.29	102
20.41	2.71	2.75	101
21.28	0.87	0.92	105
22.80	1.58	1.59	101
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 530/4

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1118	0	1	1	1	0.18	<0.01				
9	1	2	1	1	0.23	<0.01				
20	2	3	1	1	0.23	<0.01				
1	3	4	1	1	0.14	<0.01				
2	4	5	1	1	0.12	"				
3	5	6	1	1	0.49	0.01				5 - 16m
4	6	7	1	1	0.02	<0.01				
5	7	8	1	1	0.70	"				11m @
6	8	9	1	1	0.88	"				
7	9	10	1	1	0.56	"				0.67% WO_3
8	10	11	1	1	0.58	"				
9	11	12	1	1	1.08	0.02				
30	12	13	1	1	0.82	0.01				
1	13	14	1	1	1.60	0.05				
2	14	15	1	1	0.42	<0.01				
3	15	16	1	1	0.27	<0.01				
4	16	17	1	1	0.19	<0.01				
5	17	18	1	1	0.12	"				
6	18	19	1	1	0.24	<0.01				
7	19	20	1	1	0.28	<0.01				
1138	20	21	1	1	0.12	<0.01				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/4

0 - 20.96m

PYROXENE GARNET SKARN

A green brown podded pyroxene garnet skarn. The pyroxene is dominant throughout and the garnet often occurs as discrete pods.

Calcite pods and disseminated calcite occur in various areas throughout this unit.

Scheelite mineralization is present throughout.

20.96m - 22.86m

BIOTITE HORNFELS

A dark purple biotite hornfels. The bedding here is almost parallel to core axis. about 4° L.C.A. at 22.5m.

High pyrite content present in this unit.

22.86m E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 530/4

LAB.	K.I.S.		LAB. KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1125	0.70	<0.01	BH 3296	0.77		BH 3297	0.90		BH 3298	0.84		
BH 1135	0.12	<0.01	BH 3299	0.13		BH 3300	0.17		BH 3351	0.17		


DDH BH 5304
000 -228.6 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/3

PLANNING

Proposer: S.G. Brown. Depth: 21m.

Location: L 43 drive 'A' lens.

Purpose of hole: To define upper limb of 'A' lens.

Co-ordinates: 10344.0 E 10.530.0 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: 89°10' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10343.3 E 10530.0 N

R.L. of collar: 1050.4 Inclination of hole: +54°40'

Picked up by : R.J.H. Date: 26/5/75

SUMMARY

Logged by : S.G. Brown.

Results: 0 - 3m 3m @ 0.75% WO_3
18 - 22m 4m @ 0.66% WO_3

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 20/5/75 Date terminated: 23/5/75

Casing: Size : NIL

Depth :

Core: Size : E17

Depth : 24.28

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Entered Bph above. Final depth: 24.28m.

Condition of hole on completion:

Casing : NIL

Cemented : No.

Bore hole survey: Yes acid tube.

Water: NIL.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - Bold Head Mine

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No.BH 530/3

Survey method : ACID TUBE
Final depth : 24.28m
Casing depth : NIL

Depth surveyed to : 24.28m
Date surveyed :
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
24.28m	----	----	62°30'	56°			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/3

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 12.05	pg Skarn/ ch/chm/ ch	5		Carbonate, Sulphide, chlorite @ 1.07 Chlorite @1.71 Carbonate @ 5.27 Carbonate @ 6.26. Carbonate, chlorite @ 9.52.	50° @ 5.74 46° 5.40 35° @ 10.40	99	75	Between the interval 4.23 - 6.31. Carbonate in joints is puggy. Ground cis incompetent @ 5.48.
12.05 - 24.28	ch/ph/ banded bph	6		carbonate @ 12.80 carbonate @ 15.02 carbonate, chlorite @ 18.08 Chlorite @ 18.40 Chlorite @ 20.24.	47° @ 14.06 52° @ 15.80 43° @ 22.90 46° @ 23.53	98	74	Slickenslides along joint @ 18.08 Leaching @ 19.00, 19.81, 20.77, 21.21, 23.49.

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 530/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 3.20	3.20	3.18	99
4.66	1.46	1.38	93
5.38	0.72	0.78	108
7.15	1.77	1.76	99
8.20	1.05	1.03	98
10.31	2.11	2.17	102
12.05	1.74	1.68	97
13.83	1.78	1.77	99
17.61	1.89	1.88	99
17.61	1.89	1.92	102
19.48	1.87	1.73	93
21.40	1.92	1.92	100
22.33	0.95	0.88	93
24.28	1.93	1.88	97
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. B 530/3

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1111	0	1	1	1	0.98	0.01				
2	1	2	1	1	0.82	"				
3	2	3	1	1	0.44	<0.01				
4	18	19	1	1	0.61	0.01				
5	19	20	1	1	0.50	0.01				
6	20	21	1	1	0.34	0.06				
BH 1117	21	22	1	1	1.20	0.22				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/3

0 - 2.30m	PYROXENE GARNET SKARN This is a rather irregular unit and grades out to what is regarded as heavily mineralized marble at both ends. Good scheelite mineralization is present to about 2.20m.
2.30 - 8.09m	DISTURBED MARBLE A disturbed recrystalized marble. This marble has a blotchy appearance with only minor banding apparent in between large white pods of crystaline marble.
8.09 - 9.99m	MINERALIZED MARBLE This is still a disturbed marble unit but in this area pyroxene and garnet make up a total of about 30% of the rock and some minor scheelite is present. Two biotite bands are present between 8.25 - 8.40m and 8.46 and 8.54m.
9.99 - 18.41m	BARREN MARBLE A dark grey-black well bedded marble. Bedding is at 59° L.C.A. at 12.03m. 42° " at 14.70m 48° " at 18.10m.
18.41 - 21.40m	PYROXENE HORNFELS Initially this unit is garnet rich but below about 19m the pyroxene dominates. Moderate scheelite is present throughout. Between 20.10 and 20.56m the core consists of banded biotite hornfels. From 20.60 - 21.40m the core is quite heavily leached.
21.40 - 24.28m	BANDED BIOTITE PYROXENE HORNFELS A finely banded biotite pyroxene hornfels with minor bands of garnet present throughout. Bedding at 58° L.C.A. at 22.6m.
24.28m E.O.H.	

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. ~~D~~ B 530/3

LAB.	K.I.S.		LAB.KIS Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 1115	0.50	0.01	BH 3293	0.62		BH 3294	0.77		BH 3295	0.68		


DDH BH 530/3
0.00 - 24.28 m.
E.O.H.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/2

PLANNING

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

Location: L43 Drive, 'A' lens.

Purpose of hole: To define western 'A' lens ore.

Co-ordinates: 10340 E 10530 N

Inclination: +72° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 261°40' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10340.0 E 10529.8 N

R.L. of collar: 1049.5 Inclination of hole: +71°10'

Picked up by : R.J.H. Date: 24/5/75

SUMMARY

Logged by : S.G. Brown.

Results: 1 - 3m 2m @ 0.33%
6 - 12m 6m @ 0.53%

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 1/5/75 Date terminated: 3/5/75

Casing: Size : NIL

Depth :

Core: Size : E.17

Depth : 19.45

Wedge Runoff:

Wedge placed: NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: Entered Bph above upper limbs of 'A' lens. Final depth: 19.45m.

Condition of hole on completion:

Casing : NIL

Cemented : No.

Bore hole survey: Yes acid tube.

Water: No.

Comments on drilling conditions: Good.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/2

Survey method : Acid Tube.
Final depth : 19.45m
Casing depth : NIL.

Depth surveyed to : 19.45m.
Date surveyed : ---
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
19.45	-----	-----	76°	72°			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No.BH 530/2

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 10.83	ch/ p Skarn/ ch/pg Skarn/ chm/ pg Skarn.	5		carbonate @ 3.47 Carbonate @ 5.09 Carbonate @ 5.57 Chlorite @ 7.99	50° @ 3.05	100	73	Joints in this interval mainly contains carbonate.
10.83 - 24.28	pg Skarn/ banded bph/	14		Carbonate @ 11.50. Chlorite & carbonate @ 11.93 Chlorite @ 12.60 Carbonate @ 12.91. Chlorite @ 16.03.	57° @ 18.06 45° @ 15.26	59	57	Slickenslides along joint @ 11.90. Rubble @ 16.60, 18.30, 18.78. Leaching @ 16.60, 16.70, 16.80. Bad ground conditions

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No: BH 530/2

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 1.74	1.74	1.69	97
4.00	2.26	2.47	104
5.87	1.87	1.89	101
7.45	1.58	1.35	85
9.31	1.86	1.88	101
10.83	1.52	1.54	101
12.66	1.83	1.79	98
14.99	2.33	2.32	100
16.70	1.71	1.53	89
18.46	1.76	1.60	91
19.00	0.54	0.47	87
19.45	0.45	0.26	58
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 530/2

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1101	1	2	1	1	0.36	<0.01				
2	2	3	1	1	0.31	"				
3	6	7	1	1	0.46	"				
4	7	8	1	1	0.78	0.01				
5	8	9	1	1	0.56	"				
6	9	10	1	1	<0.01	<0.01				
7	10	11	1	1	0.31	"				
8	11	12	1	1	1.07	0.03				
9	12	13	1	1	0.15	<0.01				
BH 1110	13	14	1	1	0.03	"				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/2

0 - 1.26m — MARBLE

A grey black coloured marble with large white patches of pure recrystalized calcite present throughout.

1.26 - 2.75m — PYROXENE SKARN

A dark green pyroxene rich skarn containing moderate scheelite. This unit is rather low in garnet and contains relatively high amounts of calcite.

2.75 - 6.12m — MARBLE

As above a grey black coloured marble with areas of recrystalized calcite present in it.
At 6.2m there is a core loss of about 20cm. This unit contains some bedding. Bedding at 3.00m approx. 53° L.C.A. and at 5.00m approx. 59° L.C.A.

6.12 - 9.01m — PYROXENE GARNET SKARN

A dark green-brown coloured disturbed pyroxene garnet hornfels. This unit contains good grade scheelite throughout. Quite large laths of actinolite are also present here.

9.01 - 10.11m — MINERALIZED MARBLE

A small pod of grey white disturbed marble with minor amounts of garnet present throughout. Trace scheelite is present here.

10.11 - 13.81m — PYROXENE GARNET SKARN

As above. Good grade scheelite present to 12.13m after which there occurs only occasional flecks. The core becomes more banded in appearance below 12.10m.
Between 11.70m and 12.10m good bismuth is present in the core.

13.81 - 19.45m — BANDED BIOTITE PYROXENE HORNFELS

Extremely broken core consisting of a sell bedded biotite pyroxene hornfels containing minor amounts of garnet and calcite.

Bedding is at 58° L.C.A. at 14.3m
59° " at 18.0m/

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. ~~R~~ B 530/2

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 1110	0.03	~~0~~.01	BH 3290	~~0~~.01		BH 3291	0.045		BH 3292	0.053		


DDH BH 530/2
0.00 - 1945 m.
E.O.H

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 530/1

PLANNING

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

Location: L43 drive 'A' lens.

Purpose of hole: To define western 'A' lens ore.

Co-ordinates: 10340 E 10530 N

Inclination: +19° Magnetic

Bearing: 270° Grid Target depth:

Target: E N

Approved by: M.C. Rogers. Date:

SURVEY

Survey Co-ords: E N

Survey bearing: 267°40' Grid Magnetic

Surveyed in by: Date:

Actual Co-ords: 10339.1 E 10529.8 N

R.L. of collar: 1047.6 Inclination of hole: +19°30'

Picked up by : R?J?H? Date: 26/5/75

SUMMARY

Logged by : S.G. Brown

Results: 5 - 9m 4m @ 1.04% WO_3
11 - 15m 4m @ 0.71% WO_3

DRILLING

Driller/Contractor: GEOPEKO

Date commenced: 29/4/75 Date terminated: 1/5/75

Casing:	Size :	NIL			
	Depth :				
Core:	Size :	E17			
	Depth :	20.90			

Wedge Runoff:

Wedge placed NIL Depth:

Proposed by : Approved by:

Reason:

Extension: NIL

Reason for termination: entered upper volcanics Final depth: 20.90m.

Condition of hole on completion: west of 'A' lens.

Casing : Nil

Cemented : No.

Bore hole survey: Yes acid tube.

Water: No.

Comments on drilling conditions: Good except in volcanics.

GEOPEKO LIMITED - BOLD HEAD MINE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 530/1

Survey method : Acid tube.
Final depth : 20.90m.
Casing depth : NIL.

Depth surveyed to : 20.90m.
Date surveyed :
Surveyed by : V.J. Powell.
Checked by : G.L. Buckland.

DEPTH	Bearing		Inclination		True Vertical Depth	Co-oridinates	
	Grid	Mag.	Read	Corrected		E	N
20.90	----	-----	24°	19°			

REMARKS

GEOPEKO LIMITED - KING ISLAND

SUMMARY STRUCTURAL DATA

D.D.H. No. BH 530/1

Depth Interval (metres)	Rock Type	Fractures/m.	Joint Angle (w.r.t. L.A.O.C.)	Joint Filling	Bedding Angle (w.r.t. L.A.O.C.	% Core Recovery	R.Q.D.	Remarks (weathering)
0 - 9.96	chm/ch/ pgch/ Disturbed ch.	6		Chlorite @ 0.85 Chlorite @ 1.23 Carbonate @ 3.05. Carbonate, chlorite, sulphide @ 7.40.		106	72	Most joints contains chlorite.
9.96 - 20.90	Ap/ pg Skarn/ Upper volcanics.	7		Chlorite @ 13.75 Chlorite, sulphide @ 14.26 Chlorite @ 17.12.		100	75	Most joints contain chlorite.

FURTHER DATA & REMARKS

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

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 530/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	RECOVERED % CORE
0 - 3.90	3.90	3.77	97
5.45	1.55	1.50	97
7.50	2.05	2.07	101
9.96	2.46	2.54	103
11.32	1.36	1.45	106
11.86	0.54	0.44	81
13.70	1.84	1.92	104
16.40	2.70	2.60	96
16.87	0.47	0.45	96
19.05	2.18	2.25	103
20.90	1.85	1.84	99
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 530/1

SAMPLE No.	DEPTH (METRES)				ELEMENTS					COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo				
BH 1139	0	1	1	1	0.16	< 0.01				
40	1	2	1	1	0.13	< 0.01				
1	2	3	1	1	0.20	< 0.01				
1143	3	4	1	1	< 0.01	< 0.01				
1142	4	5	1	1	0.03	< 0.01				
4	5	6	1	1	2.37	0.05				5m - 9m
5	6	7	1	1	0.97	0.01				4m @ 1.04% WO_3
6	7	8	1	1	0.21	< 0.01				
7	8	9	1	1	0.61	< 0.01				
8	9	10	1	1	0.04	< 0.01				
9	10	11	1	1	0.06	< 0.01				
50	11	12	1	1	0.49	< 0.01				11m - 15m
1	12	13	1	1	0.64	0.01				4m @ 0.71% WO_3
2	13	14	1	1	~~1.12~~ 0.58	0.07				
3	14	15	1	1	1.12	0.07				

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 530/1

0 - 3.20m — MINERALIZED MARBLE

A disturbed marble with irregular diffuse patches of pyroxene rich marble throughout. Some honey brown garnet is present in the pyroxene rich areas.

3.20 - 5.18m — MARBLE (barren)

A disturbed marble grey black in colour similar in appearance to that above but lacking the pyroxene and garnet.

5.18 - 8.91m — PYROXENE GARNET CALCITE HORNFELS

This unit contains large amounts of pyroxene and garnet in addition to calcite and would appear to be a step between mineralized marble and pyroxene garnet skarn. Moderate scheelite is present throughout this unit. Minor areas of feldspar occur below 6.7m and one of these at 7.35m has some bismuth visible adjacent to it.

The whole unit has an appearance similar to the disturbed marbles.

8.91 - 9.66m — DISTURBED MARBLE

This is a barren unit similar to that between 3.20 - 5.18m.

9.66 - 12.04m — APLITE

This aplite is non typical and appears to have reacted with the surrounding mine series rocks or absorbed them. Some areas show banding of mafics which may reflect original bedding in the sediments. Banding at 10.20m is approx. 52° L.C.A.

The groundmass of the aplite appears to be a fine granular mass of quartz and feldspar into which are growing large aggegates of pyroxene.

Minor amounts of scheelite are present in this unit.

12.04 - 14.96m — PYROXENE GARNET SKARN

A fine grained brown green garnet pyroxene skarn with minor calcite present throughout. Moderate scheelite also occurs.

The contact dips at 52° L.C.A.

14.96 - 20.90m — UPPER VOLCANICS

A series of various types of upper volcanics usually spotted and very high in chlorite. Between 19.30 - 19.70. The volcanics appear to be sheared.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 530/1

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 1140	0.13	<0.01	BH 3284	0.12		BH 3285	0.19		BH 3286	0.25		
BH 1150	0.49	<0.01	BH 3287	0.60		BH 3288	0.67		BH 3289	0.67		


DDH BH530/1
000 - 2090 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 525/13

PLANNING

PROPOSER: R. E. Sandell Davies DEPTH: 20m

LOCATION: H59 South

PURPOSE OF HOLE: Test Ore at Marble/Granite Contact

PROPOSED CO-ORDS: 40300 E 10525 N

INCLINATION: -48°

BEARING: 270 °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: DATE:

SURVEY

SURVEY CO-ORDS: 40300.9 E 10528.9 N

SURVEYED BEARING: 293° 59' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40300.9 E 10528.9 N

R.L. OF COLLAR: 935.2

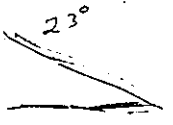
INCLINATION OF HOLE: -45° 35'

PICKED UP BY: M. Marchant DATE: 13/9/79

SUMMARY

LOGGED BY: R. E. Sandell Davies

RESULTS: 0-6m, 6m @ 0.91% WO_3
11-23m, 12m @ 0.62% WO_3



DRILLING

DATE COMMENCED: 6/9/79 DATE TERMINATED: 8/9/79

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: BQ
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 25m

REASON FOR TERMINATION: In Granite

CONDITION OF HOLE ON COMPLETION: Not Surveyed

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS: Good

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 525/13

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.6	2.6	2.6	100
2.6 - 4.6	2.0	2.0	100
4.6 - 5.1	0.5	0.5	100
5.1 - 5.5	0.4	0.4	100
5.5 - 8.5	3.0	3.0	100
8.5 - 11.5	3.0	3.0	100
11.5 - 14.5	3.0	3.0	100
14.5 - 16.3	1.8	1.8	100
16.3 - 17.0	0.7	0.7	100
17.0 - 18.1	1.1	1.1	100
18.1 - 20.0	1.9	1.9	100
20.0 - 23.3	3.3	3.0	91
23.3 - 25.0	2.7	2.0	74
EOH 25.0m			

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 525/13

0.0 - 6.04m **GARNET SKARN**

Dark khaki brown, medium grained andradite garnet skarn. Well mineralised, mostly 1% or over. The rock and mineralisation is uniform.

The first 50cm of core is unmineralised pyroxene grossular hornfels, and shows vague disturbed bedding.

6.04 - 9.9 **PYROXENE GARNET HORNFELS**

This unit is unmineralised. It is a competant rock and is typical pyroxene garnet hornfels. Containing grossular garnet pyroxene hornfels matrix and calcite pods of 1.5cm diameter.

An 8 cm aplite dyke occurs at 9.5 - 9.58m. Immediately below it is a 2 cm band of clay.

Some purplish to black biotite hornfels is present in the lower part of this unit.

9.9 - 19.25 **GARNET SKARN**

This well mineralised unit has essentially the same lithology as the first unit of this core. However the mineralisation is not quite so regular. High grade ore (0.9%) is present from 11 - 11.3 m, 13.5 - 18.4m. The remainder is patchy low grade (0.15%).

The first band of ore is associated with quartz veining.

A fault is inferred at 12.5m about 15cm wide by the occurance of a crushed and sheared rock with calcite shear zones at 25° to LCA.

Brecciated and sheared rock also occurs at 13.8 - 14m and at 18.6 - 18.8m.

Considerable molybdenite is present in this section, notably from 17 - 18m.

19.25 - 22.9 **BANDED FOOTWALL BEDS**

Typical Banded Footwall Beds, well bedded 0.5 - 15cm units of biotite hornfels, Calc hornfels, pyroxene hornfels, grossular garnet and andradite garnet with scheelite.

Mineralisation is patchy, only occuring in beds of replaced marble.

Bedding	63°	to	LCA	@	19.4m
"	46°	"	"	"	22.3m

GEOLOGY - KING ISLAND SCHEELITE

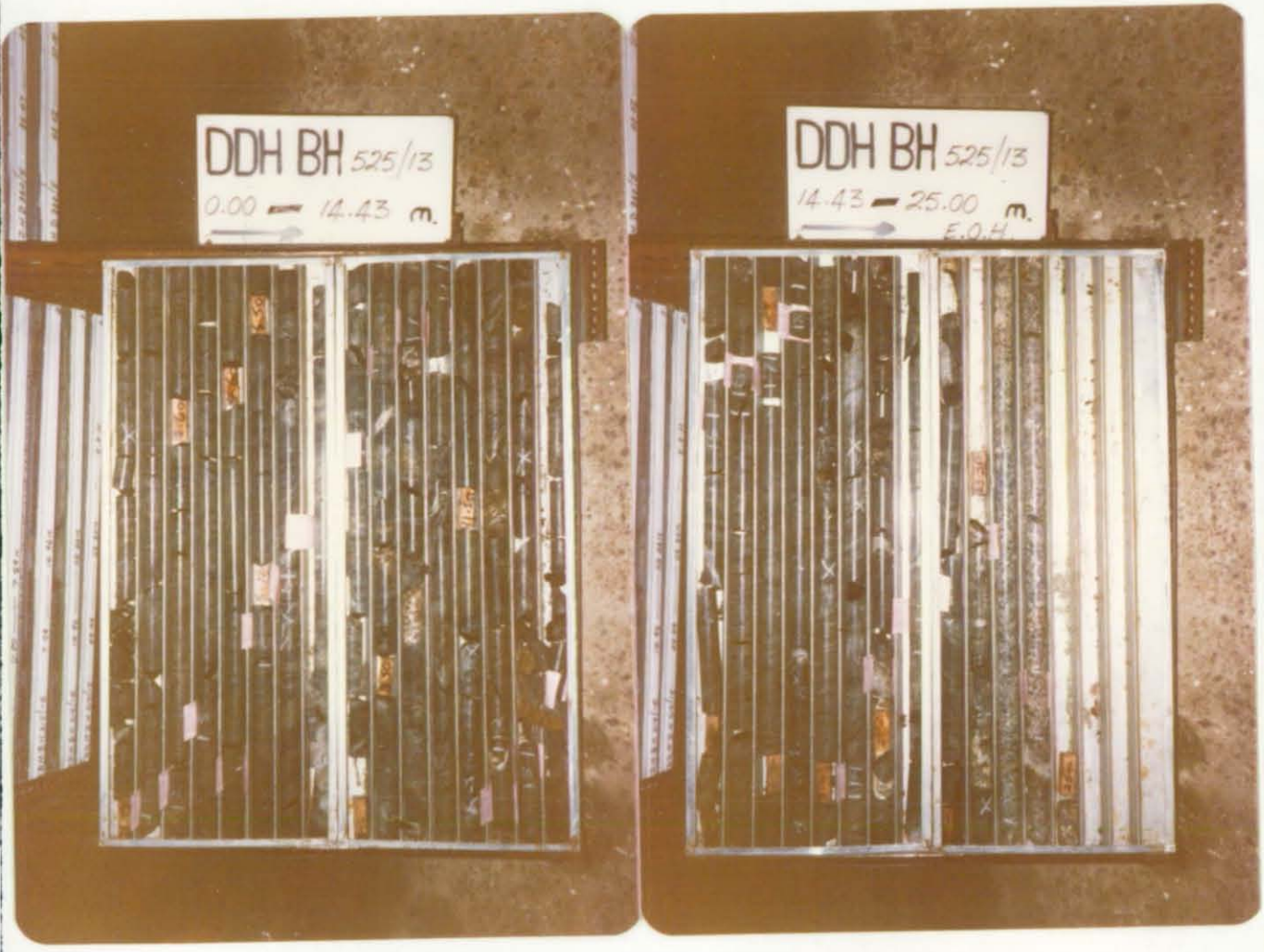
GEOLOGICAL LOG

D.D.H. No. BH 525/13

22.9 - 25.0m ADAMELLITE

Typical Bold Head Adamellite coarse grained (1 cm) equigranular and intrusive. Unmineralised.

EOH 25.0m


DDH BH 525/13
0.00 — 14.43 m.
DDH BH 525/13
14.43 — 25.00 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 525/12

PLANNING

PROPOSER: R. E. S. Davies DEPTH: 25m

LOCATION: H59 South

PURPOSE OF HOLE: Test Ore at C lens Marble/Granite Contact

PROPOSED CO-ORDS: 40205 E 10525 N

INCLINATION: -40°

BEARING: ~~286° 04'~~ 270° °GRID °MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown DATE: 4/9/79

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 286° 04' °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40303.27 E 10528.23 N

R.L. OF COLLAR: 935.2

INCLINATION OF HOLE: -39° 40'

PICKED UP BY: B. Lennon DATE: 6/9/79

SUMMARY

LOGGED BY: R. E. S. Davies

RESULTS: 4.3m garnet skarn, not assayed as hole was redrilled.

DRILLING

DATE COMMENCED: 4/9/79 DATE TERMINATED: 6/9/79

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE:
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 4.3m

REASON FOR TERMINATION: M5 Drill Failure

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY:

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 525/12

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 1.4	1.4	1.4	100
1.4 - 3.0	1.6	1.5	94
3.0 - 3.8	0.8	0.8	100
3.8 - 4.3	0.5	0.5	100
EOH 4.3m			

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 525/12

0.0 - 4.3m GARNET HORNFELS

Typical well mineralised (1%) andradite garnet skarn.

Hole abandoned because of drill failure.

EOH 4.3m

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 525/12

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 7823	0	1	1.0	1.0	0.43	0.01		
24	1	2	"	"	1.1	0.04		
25	2	3	"	"	1.2	0.03		
26	3	4	"	"	0.95	0.03		
27	4	5	"	"	0.87	0.02		
28	5	6	"	"	0.91	0.02		
29	6	7	"	"	0.02	0.01		
30	7	8	"	"	0.02	0.01		
31	8	9	"	"	<0.01	0.01		
32	9	10	"	"	0.02	0.01		
33	10	11	"	"	0.06	0.56		
34	11	12	"	"	0.92	0.22		
35	12	13	"	"	0.03	0.01		
36	13	14	"	"	0.49	0.02		
37	14	15	"	"	1.37	0.03		
38	15	16	"	"	0.45	<0.01		
39	16	17	"	"	1.04	0.08		
40	17	18	"	"	0.55	0.59		
41	18	19	"	"	0.69	0.03		
42	19	20	"	"	0.23	0.01		
43	20	21	"	"	0.06	0.01		
44	21	22	"	"	1.19	0.04		
45	22	23	"	"	0.43	0.04		
46	23	24	"	"	0.01	0.03		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/12

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	
7823	0.43	0.01	8375	0.41	<0.01	8376	0.420		8377	0.43		
7834	0.92	0.22	8378	0.98	0.24	8379	1.23		8380	1.03		
7844	1.19	0.04	8381	1.29	<0.01	8382	1.33		8383	1.20		


DDH BH 525/12
[redacted]
0.00 — 4.38 m.
E.O.H

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 525/11

PLANNING

PROPOSER: R. E. Sandell Davies DEPTH: 30.0 m

LOCATION: H59 South

PURPOSE OF HOLE: Test for ore in floor and locate C_2 West

PROPOSED CO-ORDS: 40305 E 10525 N

INCLINATION: -75

BEARING: 090 ^{o}GRID ^{o}MAG

TARGET: E N

DEPTH:

CHECKED BY: S. G. Brown DATE: 27/8/79

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: 93^{o} 45' ^{o}GRID BH ^{o}MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40305.4 E 10527.6 N

R.L. OF COLLAR: 935.13

INCLINATION OF HOLE: -62^{o}

PICKED UP BY: B. Lennon DATE: 31/8/79

SUMMARY

LOGGED BY: R. E. Sandell Davies

RESULTS: 1 - 3 m, 2 m @ 0.87% WO_3
21 - 26 m, 5 m @ 0.42% WO_3

DRILLING

DATE COMMENCED: 27/8/79 DATE TERMINATED: 4/9/79

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

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 30 m

REASON FOR TERMINATION: Beyond Mineralised Zone

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: No Surveyed

WATER:

COMMENTS ON DRILLING CONDITIONS:

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 525/11

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.6 m	2.6	2.6	100
2.6 - 4.8	2.2	2.0	91
4.8 - 6.8	2.0	2.0	100
6.8 - 7.8	1.0	0.95	95
7.8 - 8.9	1.1	1.1	100
8.9 - 10.9	2.0	2.0	100
10.9 - 13.3	2.4	2.4	100
13.3 - 16.0	2.7	2.5	93
16.0 - 17.0	1.0	0.9	90
17.0 - 18.7	1.7	1.7	100
18.7 - 20.3	1.6	0.9	56
20.3 - 23.6	3.3	3.0	91
23.6 - 24.8	1.2	1.2	100
24.8 - 26.3	1.5	1.4	93
26.3 - 28.9	2.6	2.4	92
28.9 - 30.0	1.1	1.1	100
EOH 30.0 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 525/11

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 7803	0	1	1.0	1.0	0.17	0.01		
04	1	2	"	"	0.87	0.01		
05	2	3	"	"	0.87	0.01		
06	3	4	"	"	0.10	<0.01		
07	9	10	"	"	<0.01	0.01		
08	10	11	"	"	0.36	<0.01		
09	11	12	"	"	0.09	<0.01		
10	12	13	"	"	0.38	0.01		
11	13	14	"	"	0.29	0.01		
12	14	15	"	"	0.03	<0.01		
13	20	21	" "	"	<0.01	<0.01		
14	21	22	"	"	0.39	0.01		
15	22	23	"	"	0.96	0.02		
16	23	24	"	"	0.31	0.01		
17	24	25	"	"	0.03	<0.01		
18	25	26	"	"	0.43	0.01		
19	26	27	"	"	0.02	0.01		
20	27	28	"	"	0.09	<0.01		
21	28	29	"	"	0.01	<0.01		
22	29	30	"	"	<0.01	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 525/11

0.0 - 1.1 m BIOTITE PYROXENE HORNFELS (PODDED)

Apart from a few crystals at the very top this unit is unmineralised. It has a mottled green/brown appearance with darker beds of black biotite hornfels. Some small (1cm) pods of quartz are present. Grossular garnet is present with the pyroxene hornfels.

1.1 - 3.17 GARNET SKARN

Typical well mineralised andradite garnet skarn, about 0.95%. Khaki brown colour, moderate grain size. The contact between this unit and the overlying biotite pyroxene hornfels is sheared, probably a minor fault or major joint.

3.17 - 7.6 CALC/GARNET HORNFELS

This unit consists of a marble centre with mostly grossular garnet at its upper and lower boundaries. There is no mineralisation. The upper garnet hornfels section extends from 3.17 - 4.15 but includes beds of marble, it is well bedded and has a pale orange colour.

The central marble is a fresh light grey. From 6.5 - 7.6 is the lower garnet hornfels, which is not well bedded.

Bedding 57^{o} to LCA @ 4.7 m

7.6 - 12.39 BANDED FOOTWALL BEDS

This is a very well bedded unit and contains beds of biotite hornfels marble, pyroxene hornfels grossular garnet and andradite garnet with scheelite.

Mineralisation is well developed form 10.2 - 10. 6 m, 11.24 - 11.56 m, 11.97 - 12.39 m.

Bedding is 60^{o} @ 7.9 m
46^{o} 9.1 m.
54^{o} 11.2 m

A 1.5 cm solid plug of clay is present at 9.6 m.

Section subdivisions:

7.6 - 8.0 m	Thin (1 cm) beds of pyroxene hornfels, biotite hornfels some grossular.
8.0 - 9.6	As above but with 2 cm beds of marble.
8.6 - 9.5	Mostly biotite hornfels.
9.5 - 11.6	Interbedded marble/pyroxene hornfels with grossular.
11.6 - 12.39	Pyroxene hornfels with grossular.

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 525/11

12.29 - 30.0 m BANDED FOOTWALL BEDS

This is the same unit as above and in general has a similar appearance.

Mineralisation is present between: 12.39 - 15.0 m, 21.3 - 21.7 m, 22.0 - 21.3 m, 23.9 - 24.0 m, 24.6 - 26.1 m, 27.9 - 28.0 m.

They take the form of beds, of rare garnet skarn, obvious wholy replaced marble. Unreplaced marble occur above and below the zone of mineralisation and also rarely between mineralised areas. Most of the rest of the unit is thin (2.0-20.0 cm) beds of biotite hornfels.

Bedding is well developed

Bedding	60^{o}	to	LCA	@ 15.0 m
	60^{o}			24.9 m
	51^{o}			29.9 m

EOH 30.0 m

GEOLOGY - KING ISLAND SCHEELITE

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 525/11

Surveyed method: No Surveyed
Final depth: 30 m
Casing depth: Nil

Depth surveyed to: Not Surveyed
Date terminated: 4/9/79
Plotted by: B.A. Schneiders
Checked by:

Bearing			Inclination		True Vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corr.			
15 m	93° 45'	65° 45'	62°	152°			
30	93° 45'	65° 45'		152°			

REMARKS: Hole not Surveyed. Dip and Bearing assumed from collor readings.


DDH BH 525/11
0.00 — 26.30 m.


DDH BH 525/11
26.30 — 30.00 m.
E.O.H.

GEOLOGY - KING ISLAND SCHEELITE

LOG OF D.D.H. No. BH 525/10

PLANNING

PROPOSER: S. G. Brown — DEPTH:

LOCATION: L 52W Stope C1 Lens

PURPOSE OF HOLE: To Test C2 Lens Dag.

PROPOSED CO-ORDS: 40345.0 E 10525.0 N

INCLINATION: -90°

BEARING: °GRID °MAG

TARGET: 40345.0 E 10525.0 N

DEPTH: 35m

CHECKED BY: S. G. Brown — DATE: 20/7/79

SURVEY

SURVEY CO-ORDS: E N

SURVEYED BEARING: °GRID °MAG

SURVEYED IN BY: DATE:

ACTUAL CO-ORDS: 40344.5 E 10524.6 N

R.L. OF COLLAR: 917.9

INCLINATION OF HOLE: -90°

PICKED UP BY: B. Lennon — DATE: 20/8/79

SUMMARY

LOGGED BY: R. E. Sandell Davies

RESULTS: 0 - 3 m, 3m @ 0.44% WO_3
16 - 21m, 5m @ 0.80% WO_3

DRILLING

DATE COMMENCED: 9/8/79 DATE TERMINATED: 13/8/79

DRILLER/CONTRACTOR: A.D.D

CASING: SIZE:
DEPTH:

CORE: SIZE: BQ
DEPTH:

WEDGE PLACED: DEPTH: PROPOSER:

EXTENSION:

FINAL DEPTH: 35m

REASON FOR TERMINATION: Beyond Mineralised Zone

CONDITION OF HOLE ON COMPLETION:

CASING:

CEMENTED:

BORE HOLE SURVEY: Not Surveyed

WATER:

COMMENTS ON DRILLING CONDITIONS: Good Apart from Fault Zone.

GEOLOGY - KING ISLAND SCHEELITE

CORE RECOVERY

D.D.H. No. BH 525/10

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 3.4 m	3.4	3.4	100
3.4 - 6.4	3.0	3.0	100
6.4 - 9.4	3.0	3.0	100
9.4 - 12.4	3.0	3.0	100
12.4 - 15.4	3.0	3.0	100
15.4 - 18.4	3.0	3.0	100
18.4 - 21.4	3.0	3.0	100
21.4 - 24.4	3.0	3.0	100
24.4 - 27.3	2.9	2.9	100
27.3 - 28.3	1.0	0.8	80
28.3 - 29.0	0.7	0.3	43
29.0 - 30.0	1.0	0.8	80
30.0 - 31.3	1.3	0.9	69
31.3 - 33.6	2.6	2.6	100
33.6 - 35.0	1.4	1.6	114
EOH 35.0 m			

GEOLOGY - KING ISLAND SCHEELITE

ASSAY DATA

D.D.H. No. BH 525/10

SAMPLE NO.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Rec.	WO_3	Mo		
BH 7903	0	1	1.0	1.0	0.36			
04	1	2	"	"	0.53			
05	2	3	"	"	0.44			
06	3	4	"	"	0.21			
07	4	5	"	"	0.19			
08	5	6	"	"	0.13			
09	6	7	"	"	0.10	0.03		
10	7	8	"	"	0.31	0.01		
11	8	9	"	"	0.14	0.01		
12	9	10	"	"	0.07	0.01		
13	10	11	"	"	0.01	0.01		
14	11	12	"	"	0.01	0.01		
15	12	13	"	"	0.01	0.01		
16	13	14	"	"	0.01	0.01		
17	14	15	"	"	0.01	0.02		
18	15	16	"	"	0.04	0.02		
19	16	17	"	"	0.83	0.04		
20	17	18	"	"	0.63	0.05		
21	18	19	"	"	0.67	0.03		
22	19	20	"	"	0.44	0.01		
23	20	21	"	"	1.43	0.05		
24	21	22	"	"	<0.01	<0.01		
25	22	23	"	"	<0.01	<0.01		
26	23	24	"	"	0.01	0.01		
27	24	25	"	"	0.15	0.01		
28	25	26	"	"	0.67	0.03		
29	26	27	"	"	0.03	0.02		
30	27	28	"	"	0.01	0.02		
31	28 31	29 32	"	"	0.01	0.01		
32	29 32	30 33	"	"	0.01	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type:

S.G.:

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

GEOLOGICAL LOG

D.D.H. No. BH 525/10

0.0 - 3.27 m GARNET HORNFELS

This section has a moderate grain size and a disturbed, blotchy appearance. Bedding is not evident. Its colour in khaki brown to browny green. Scheelite is present at about 0.2%

3.27 - 14.75 PYROXENE GARNET HORNFELS

The upper contact of this unit is gradational with the lower contact of the overlying garnet hornfels. Consequently the top half of this unit is khaki brown to browny green in colour. It too has a blotchy appearance with vague calcite pods and areas of grossular garnet.

It is mineralised at about 0.1% to approximately 10.9 m. Below this it is unmineralised and has a more characteristic pyroxene garnet hornfels podded appearance.

Dark fine grained biotite hornfels constitute about 30% of the rock, interbedded with green pyroxene hornfels. Vague bedding is present

Bedding is 45^{o} to LCA @ 13.0 m

14.75 - 26.6 GARNET SKARN

This section is mostly composed of massive garnet hornfels and is mineralised throughout. However the best mineralisation is present from 15.8 - 18.6 and 19.7 - 20.3 (grade is about 1% estimated by eye). The remainder of the unit is about 0.25%.

The unit is khaki brown to browny green in colour and down to 20 m it is homogeneous. Below this level there are pyroxene hornfels bands 20 cm wide at 20.3 m and areas of unreplaced marble at 21.2, 24 and 24.5 m.

From 21 - 26.6 m the unit is fairly disturbed. Rotten calcite filled joints and fractures occur at 19 m, 24 and 25.6 m, 24.2. A rehealed breccia zone occurs at 25.6m.

26.6 - 35.0 BANDED FOOTWALL BEDS

This is a well bedded sequence of biotite hornfels, pyroxene hornfels and grossular garnet. A few specks of scheelite occur at 31.4 and 33.0 m. Extensive brecciation, clay formation, rubbly core, quartz veining and core loss indicate a fault from 27 - 32.1 m. This may be the Western Fault

Bedding is 63^{o} to LCA @ 29.4 m
66^{o} 34.5 m

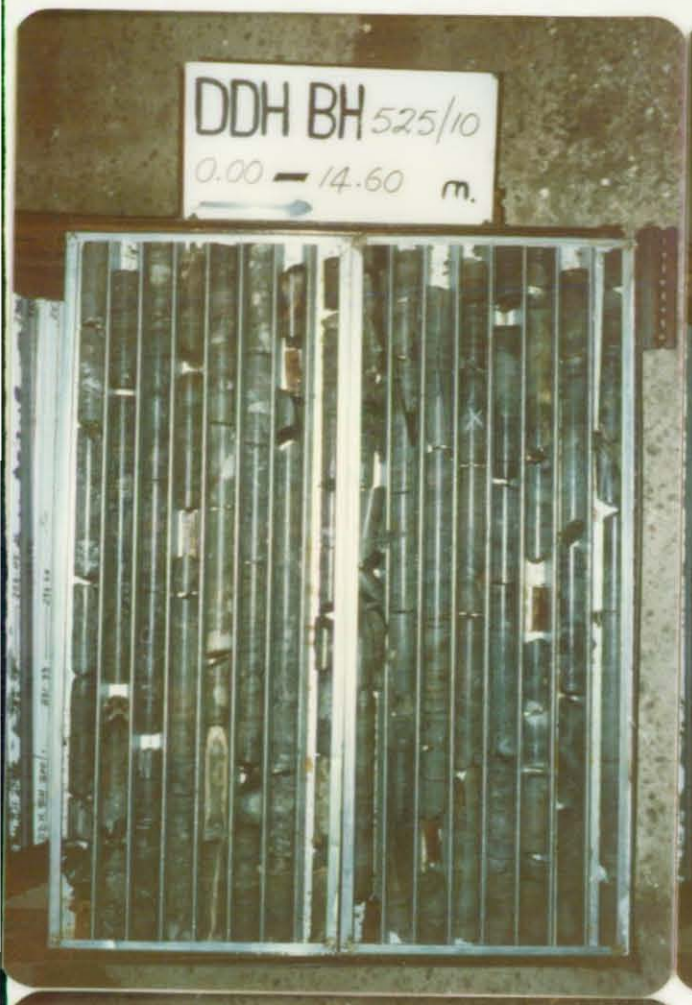
EOH 35.0 m

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/10

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	
7903	1.00	0.36	8402	0.29	<0.01	8403	0.365		8404	0.32		
7919	0,83	0.04	8405	0.84	<0.01	8406	1.10		8407	0.97		
7928	0.67	0.03	8408	0.91	<0.01	8409	0.890		8410	0.37		


DDH BH 525/10
0.00 — 14.60 m.


DDH BH 525/10
14.60 — 29.00 m.


DDH BH 525/10
29.00 — 35.00 m.
E.O.H

GEOPEKO - KING ISLAND

LOG OF D.D.H. No. BH 525/9

PLANNING

PROPOSER: J. M. Clark DEPTH: 5m

LOCATION: M54 drive

PURPOSE OF HOLE: Test for ore in floor.

CO-ORDS: 40377 E 10525 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: 40376.4 E 10525.1 N

R.L. OF COLLAR: 922.2

INCLINATION OF HOLE: -90°

PICKED UP BY: B. Lennon DATE: 19-9-1978

SUMMARY

LOGGED BY:

RESULTS: No significant mineralisation

DRILLING

DATE COMMENCED: 16-9-1978 DATE TERMINATED:

DRILLER/CONTRACTOR: K.I.S.

CASING: SIZE:
DEPTH:

CORE: SIZE: E17
DEPTH: 5.20m

WEDGE PLACED: DEPTH:

EXTENSION:

FINAL DEPTH: 5.2m

REASON FOR TERMINATION: In unmineralized pyroxene garnet hornfels.

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 525/9

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6746	0	1	1.0	1.0	0.20	0.02		
47	1	2	"	"	0.15	0.02		
48	2	3	"	"	4.86	0.04		
49	3	4	"	"	0.12	0.01		
50	4	5.2	"	"	0.20	<0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/9

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	
6746	0.20	0.02	8195	0.24	0.05	8196	0.275		8197	0.33		


DDH BH 525/9
0.00 — 5.20 m.

GEOPEKO DIVISION - King Island

LOG OF D.D.H. No. BH 525/8

PLANNING

Proposer: J. Clark Depth: 95

Location: G 50 slot stope

Purpose of Hole: Test C_1, C_2 Main

Co-ords: 40323 E 10530 N

Inclination: -64°

Bearing: 090 °Grid °Mag

Target: E N

Depth:

Approved by: Date:

SURVEY

Survey Co-ords: E N

Surveyed Bearing: 86° 20' °Grid °Mag

Surveyed in by: Date

Actual Co-ords: 40322.7 E 10529.2 N

R.L. of Collar: 974.4

Inclination of Hole: -64° 30'

Picked up By: B. Lennon Date 26-6-78

SUMMARY

Logged By: J. Clark Date

Results: 55-59 m, 4 m at 0.55% WO_3, 0.01% Mo

73-75 m, 2 m at 1.08% WO_3, 0.02% Mo

85-87 m, 2 m at 0.67% WO_3, 0.12% Mo

DRILLING

Date Commenced: 2-6-1978 Date Terminated 16-6-1976

Driller/Contractor A.D.D.

Casing:	Size :	BQ
	Depth :	3M
Core:	Size :	46TT
	Depth :	88.5

Wedge Runoff:

Wedge placed: Depth

Proposed by: Approved by

Reason

Extension:

Final Depth: 88.5m

Reason for Termination: Out of short rods. Also into banded footwall beds.

Condition of hole on completion:

Casing;

Cemented:

Bore hole survey: Single Shot Camera.

Water:

Comments on Drilling Conditions: Very broken at start of hole.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. BH 525/8

Survey method: Single Shot Camera
Final depth: 88.50m
Casing depth: 3m

Depth surveyed to: 88.5m
Date surveyed 29-6-1978
Surveyed by: A. Younger
Checked by: J. Clark

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		N	E
6	092	64	25.75	-64.25			
18					16.21	-0.27	7.82
30	085	57	24.4	-65.6			
45					40.80	0.70	18.93
60	080	52	23.7	-66.3			
74.25					67.58	2.74	30.51
88.5	079	51	23.2	-66.8	80.68	3.84	36.02

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 525/8

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 3.5	3.5	2.0	57
5.0	1.5	1.5	100
6.5	"	"	100
8.0	"	"	100
9.5	"	"	100
11.0	"	"	100
12.5	"	"	100
14.0	"	"	100
15.5	"	"	100
17.0	"	"	100
18.5	"	"	100
20.0	"	"	100
21.5	"	"	100
23.0	"	"	100
24.5	"	"	100
26.0	"	"	100
27.5	"	"	100
29.0	"	"	100
32.0	"	"	100
33.5	"	"	100
35.0	"	"	100
36.5	"	"	100
37.5	"	"	100
39.0	"	"	100
40.5	"	"	100
42.0	"	"	100
43.5	"	"	100
45.0	"	"	100
46.0	1.0	1.0	100
47.5	1.5	1.5	100
49.0	1.5	1.5	100
50.5	1.5	1.5	100
52.0	1.5	1.5	100
53.5	1.5	1.5	100
55.0	1.5	1.5	100
56.5	1.5	1.5	100
57.5	1.0	1.0	100
59.0	1.5	1.5	100
60.5	1.5	1.5	100
62.0	1.5	1.5	100
63.5	1.5	1.5	100
65.0	1.5	1.5	100
66.0	1.0	1.0	100
67.5	1.5	1.5	100

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 525/8

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 88	3	4	1.0	1.0	0.12	0.01		
89	4	5	"	"	0.23	0.01		
90	5	6	"	"	<0.01	0.01		
91	51	52	"	"	0.01	<0.01		
92	52	53	"	"	<0.01	<0.01		
93	53	54	"	"	0.10	<0.01		
94	54	55	"	"	0.17	<0.01		
95	55	56	"	"	0.94	0.02		
96	56	57	"	"	0.17	0.01		
97	57	58	"	"	0.58	0.01		
98	58	59	"	"	0.52	0.01		
99	59	60	"	"	0.18	0.01		
100	60	61	"	"	0.11	0.01		
184	61	62	"	"	0.15	0.01		
185	62	63	"	"	0.13	0.01		
186	63	64	"	"	0.21	0.01		
187	64	65	"	"	0.11	0.01		
188	65	66	"	"	0.12	<0.01		
189	66	67	"	"	0.05	0.02		
190	67	68	"	"	0.07	0.01		
191	68	69	"	"	0.01	<0.01		
192	69	70	"	"	<0.01	<0.01		
193	70	71	"	"	<0.01	<0.01		
194	71	72	"	"	0.05	<0.01		
195	72	73	"	"	0.22	<0.01		
196	73	74	"	"	1.24	0.03		
197	74	75	"	"	0.92	0.02		
198	75	76	"	"	0.19	<0.01		
199	76	77	"	"	<0.01	<0.01		
200	83	84	"	"	0.01	0.01		
201	84	85	"	"	0.07	0.01		
202	85	86	"	"	0.84	0.04		
203	86	87	"	"	0.49	0.21		
204	87	88	"	"	0.26	0.08		
205	88	88.5	"	"	0.18	0.01		

SPECIFIC GRAVITY

Depth (metres):

Rock Type :

S.G. :

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/8

0.0 - 19.60m — MARBLE

Grey to white, fine grained marble with many white calcite veinlets throughout.

0.0 - 2.5m. Only 1m of rubbly core recovered, and this consists of poorly mineralizated garnet hornfels, garnet pyroxene hornfels and marble.

3.4 - 5.0m. Pyroxene calcite hornfels consisting of green pyroxene containing grossular and scattered fine grained scheelite, with interbedded marble.

5.7m. Soft calcite vein.

14.5 - 15.0m. Soft calcite veining has caused minor broken core.

Minor very light green epidote is present near the end of the unit.

At 6.5m bedding is 47° to core axis.

Fractures /m = 3
Recovery = 90%

19.60 - 52.60m — BIOTITE HORNFELS

Fine grained purplish brown biotite hornfels with small beds of green pyroxene hornfels.

20.1, 20.3m irregular narrow pyrite veins.

21.5m, Calcite vein at 36° to core axis.

21.7 - 23.0 m. Small angular light brown rock fragments in darker green matrix.

25.5m. Rubbly core associated with calcite vein subparallel to core axis.

34.4m. Chalcopyrite and pyrrhotite in pyroxene hornfels.

40.1m. Calcite veining at 56° to core axis

40.5 - 45.1m. Small rock and calcite fragments are occasionally present.

47.8 - 52.6m. Podded biotite - pyroxene hornfels. Abundant rock quartz and calcite fragments are present in a matrix of biotite and pyroxene. Some calcite fragments have rims of grossular and pyroxene.

At 27.3m, bedding is 57° to core axis.
Fractures /m = 5

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/8

52.60 - 75.40m PYROXENE - GARNET HORNFELS

Calcite pods often rimmed by grossular are set in a matrix of pyroxene and grossular. Some pods appear to have been completely replaced by a coarse grained aggregate of calcite and dark green epidote.

55.0 - 58.95m. Fine grained thickly disseminated scheelite with short nearly barren intervals.

59.0 - 61.0m. Minor Scheelite
61.0 - 66.0m. Sparsely disseminated scheelite.
66.0 - 66.4m. Broken core along a calcite vein subparallel to the core axis. Minor ironstaining is present.
68.6 - 71.9m. Matrix of pods is pyroxene and biotite ie. podded biotite pyroxene hornfels. Scheelite is not present.
72.9 - 75.4m. Garnet hornfels containing very thickly disseminated fine grained scheelite in a matrix of grossular, pyroxene and calcite.

Fractures / m = 5

75.40 - 83.70m. MARBLE

Light grey medium grained marble which is usually bedded.

81.7 - 82.4m. Broken core associated with soft calcite veining. Minor ironstaining is present.

At 81.2m bedding is 72° to core axis

Fractures/m = 3

83.70 - 88.50m MINERALIZED BANDED FOOTWALL BEDS

Interbedded garnet hornfels with lesser amounts of pyroxene and calcite hornfels.

85.3 - 87.6m. Garnet hornfels containing pyroxene and abundant fine grained disseminated scheelite with length of barren rock up to 10cm.

At 33.9m, bedding is 78° to core axis.

Fractures / m = 3

EOH 88.50m
NB. Hole stopped because no more short rods.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/8

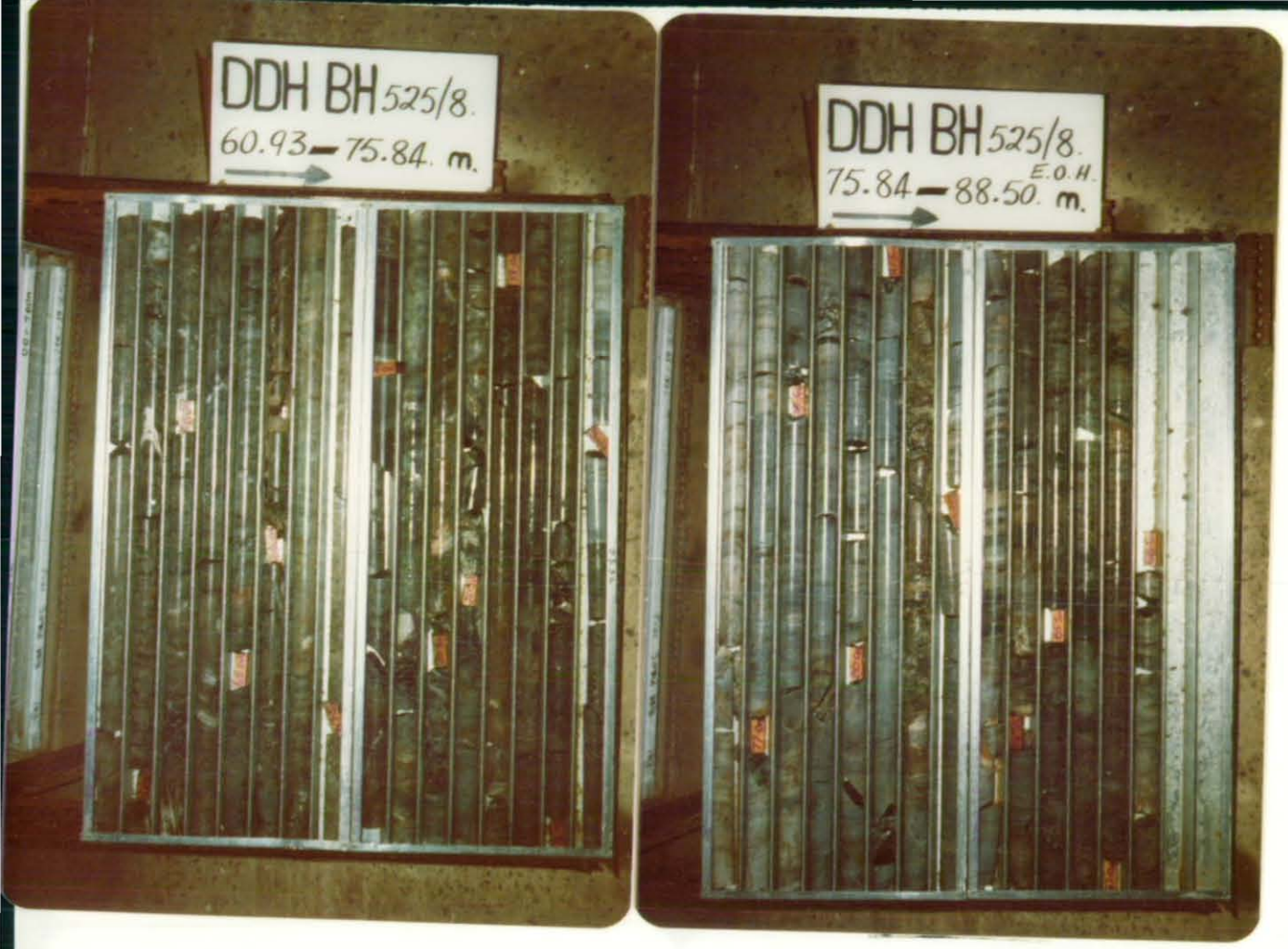
LAB. K.I.S.			LAB. K.I.S. CHECK			LAB. AMDEL			LAB. A.L.S.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
KF 88	0.12	0.01	317	0.13	0.03	318	0.140		319	0.14		
KF 98	0.52	0.01	320	0.73	<0.01	321	0.720		322	0.68		
KF 186	0.21	0.01	323	0.24	0.02	324	0.260		325	0.21		
KF 196	1.24	0.03	326	1.15	<0.01	327	1.43		328	1.28		
KF 205	0.18	0.01	329	0.17	0.01	330	0.220		331	0.25		


DDH BH 525/8.
0.00 — 16.45. m.


DDH BH 525/8.
16.45 — 30.77 m.


DDH BH 525/8.
30.77 — 46.00 m.


DDH BH 525/8.
46.00 — 60.93 m.


DDH BH 525/8.
60.93 — 75.84. m.
DDH BH 525/8.
75.84 — 88.50. E.O.H. m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 525/7

PLANNING

Proposer: J. M. Clark — Depth:

Location: G50 slot stope

Purpose of hole: Test C_1 Main

Co-ordinates: 40323 E 10530 N

Inclination: -80° — Magnetic:

Bearing: 90° Grid — Target depth:

Target: E N

Approved by: — Date:

SURVEY

Survey Co-ords: E N

Survey bearing 68°40' Grid — Magnetic:

Surveyed in by: — Date:

Actual Co-ords: 40322.5 E 10529.2 N

R.L. of collar: 974.3 — Inclination of hole: -79°15'

Picked up by: B. Lennon — Date: 31-5-78

SUMMARY

Logged by: J. M. Clark

Results: 52 - 54 m, 2 m at 1.67% WO_3, 0.04% Mo
63 - 66 m, 3 m at 0.43% WO_3, 0.02% Mo

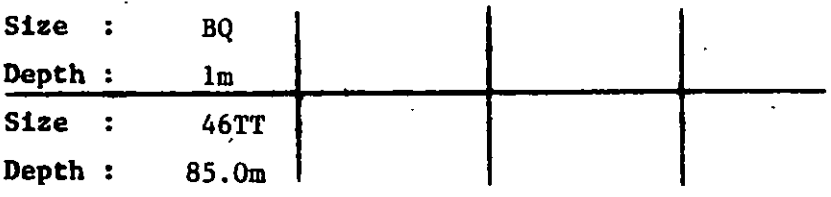
DRILLING

Driller/Contractor: A.D.D.

Date Commenced: 22-5-78 — Date Terminated: 1-6-78

Casing: Size : BQ
Depth : 1m

Core: Size : 46TT
Depth : 85.0m



Wedge Runoff:

Wedge Placed: — Depth:

Proposed by: — Approved by:

Reason:

Extension:

Final depth: 85.0 m

Reason for termination: In unmineralized banded footwall beds

Condition of hole on completion:

Casing:

Cemented:

Bore hole survey: Singleshot

Water:

Comments on drilling conditions: good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H. No. H 525/7

Survey method: Singleshot Camera
Final depth: 85.0 m
Casing depth: 1.0 m

Depth surveyed to: 85.0 m
Date surveyed: 1-6-78
Surveyed by: L. Denby
Checked by: J. M. Clark

Bearing			Inclination		True vertical Depth (m)	Co-ordinates	
Depth (m)	Grid	Mag.	Read	Corrected		N	E
25	056	28	10°45'	-79.25	24.55	2.61	3.86
55	056	28	10°15'	-79.75	54.07	5.60	8.29
85	058	30	10°15'	-79.75	83.59	8.43	12.82

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 525/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 2.4	2.4	1.5	65
- 5.5	3.1	3.1	100
- 7.0	1.5	1.5	100
- 8.5	1.5	1.5	100
- 10.0	1.5	1.5	100
- 11.5	1.5	1.5	100
- 13.0	1.5	1.5	100
- 14.5	1.5	1.5	100
- 16.0	1.5	1.5	100
- 17.5	1.5	1.5	100
- 19.0	1.5	1.5	100
- 20.0	1.0	1.0	100
- 21.5	1.5	1.5	100
- 23.0	1.5	1.5	100
- 24.5	1.5	1.5	100
- 26.0	1.5	1.5	100
- 27.0	1.0	1.0	100
- 28.0	1.0	1.0	100
- 29.0	1.0	1.0	100
- 30.0	1.0	1.0	100
- 31.5	1.5	1.5	100
- 33.0	1.5	1.5	100
- 36.0	3.0	3.0	100
- 37.5	1.5	1.5	100
- 39.0	1.5	1.5	100
- 40.5	1.5	1.5	100
- 42.0	1.5	1.5	100
- 43.5	1.5	1.5	100
- 45.0	1.5	1.5	100
- 46.5	1.5	1.5	100
- 47.5	1.0	1.0	100
- 49.0	1.5	1.5	100
- 50.5	1.5	1.5	100
- 52.0	1.5	1.5	100
- 54.5	2.5	2.5	100
- 56.0	1.5	1.5	100
- 57.5	1.5	1.5	100
- 60.5	3.0	3.0	100
- 62.0	1.5	1.5	100
- 63.5	1.5	1.5	100
- 65.0	1.5	1.5	100
- 66.5	1.5	1.5	100
- 68.0	1.5	1.5	100
- 69.5	1.5	1.5	100
- 71.0	1.5	1.5	100
- 72.5	1.5	1.5	100

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 525/7

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
- 74.0	1.5	1.5	100
- 75.5	1.5	1.5	100
- 77.0	1.5	1.5	100
- 78.5	1.5	1.5	100
- 80.0	1.5	1.5	100
- 81.5	1.5	1.5	100
- 83.0	1.5	1.5	100
- 85.0	2.0	2.0	100

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 525/7

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6378	1	2	1.0	1.0	0.15	0.01		
79	2	3	"	"	0.02	<0.01		
80	3	4	"	"	0.49	0.03		
81	4	5	"	"	<0.01	<0.01		
82	47	48	"	"	<0.01	<0.01		
83	48	49	"	"	<0.01	<0.01		
84	49	50	"	"	0.27	<0.01		
85	50	51	"	"	<0.01	<0.01		
86	51	52	"	"	0.17	0.01		
87	52	53	"	"	2.90	0.07		
88	53	54	"	"	0.44	0.01		
89	54	55	"	"	0.20	0.01		
90	55	56	"	"	0.20	0.01		
91	56	57	"	"	0.17	0.01		
92	57	58	"	"	0.01	<0.01		
93	58	59	"	"	0.19	0.01		
94	59	60	"	"	0.10	0.01		
95	60	61	"	"	0.07	0.01		
96	61	62	"	"	<0.01	<0.01		
97	62	63	"	"	0.03	0.01		
98	63	64	"	"	0.49	0.01		
99	64	65	"	"	0.31	0.02		
6400	65	66	"	"	0.50	0.02		
401	66	67	"	"	0.18	0.01		
402	67	68	"	"	<0.01	<0.01		
403	68	69	"	"	<0.01	<0.01		
404	69	70	"	"	0.29	<0.01		
405	70	71	"	"	<0.01	<0.01		
406	71	72	"	"	<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 525/7

0.00 - 18.50 m **MARBLE**

Grey fine grained marble with white calcite veins throughout.

2.0 - 4.0 m. Short lengths of calcite - pyroxene hornfels containing moderate amounts of sparsely disseminated scheelite.

10.0 - 10.1 m, 13.7 - 14.1 m. Soft clayey marble which has resulted in minor broken core.

18.1 - 18.4 m. Calcite - pyroxene - garnet hornfels with disseminated scheelite.

Fractures / M = 5.

18.50 - 48.90 m **BIOTITE PYROXENE HORNFELS**

Brown biotite hornfels has thin beds of light green pyroxene hornfels throughout.

At the beginning of the unit (18.5 - 21.5 m) small lensoid rock fragments are oriented parallel to bedding.

23.0 - 25.0 m. Irregular pyroxene development, apparently about small planar impurities.

30.5 m, 34.5 - 35.0 m, 42.0 - 43.5 m. Minor calcite veining.

46.5 - 48.9 m. Podded biotite pyroxene hornfels. Small fragments of calcite hornfels, some of which contain minor grossular are rimmed by pyroxene hornfels and set in a biotite hornfels matrix.

Depth	Bedding
24.0	65°

Fractures / M = 7.

48.90 - 64.30 m **PYROXENE - GARNET HORNFELS**

Irregularly shaped calcite pods are distributed through the unit and are present in a matrix of pyroxene, grossular and calcite.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/7

Moderate amounts of disseminated scheelite are present from 48.9 - 55.3 m although concentration becomes irregular towards 55.3 m. Calcite pods are less distinct and there is minor andradite garnet.

Sparsely disseminated scheelite is present throughout the remainder of the unit.

Fractures / M = 5.

64.30 - 85.00 m BANDED FOOTWALL BEDS

Finely interbedded pyroxene, biotite and calcite hornfels. Minor grossular garnet is present in both marble and pyroxene hornfels. The unit becomes progressively more weathered towards the end of the hole. Marble units especially become vuggy and contain large amounts of clay. Pink and yellow ironstaining becomes common.

Despite the broken nature of the core the Western fault does not appear to be present.

Depth	Bedding
69	45°
75.6	65
81	67°

Fractures / M = 15

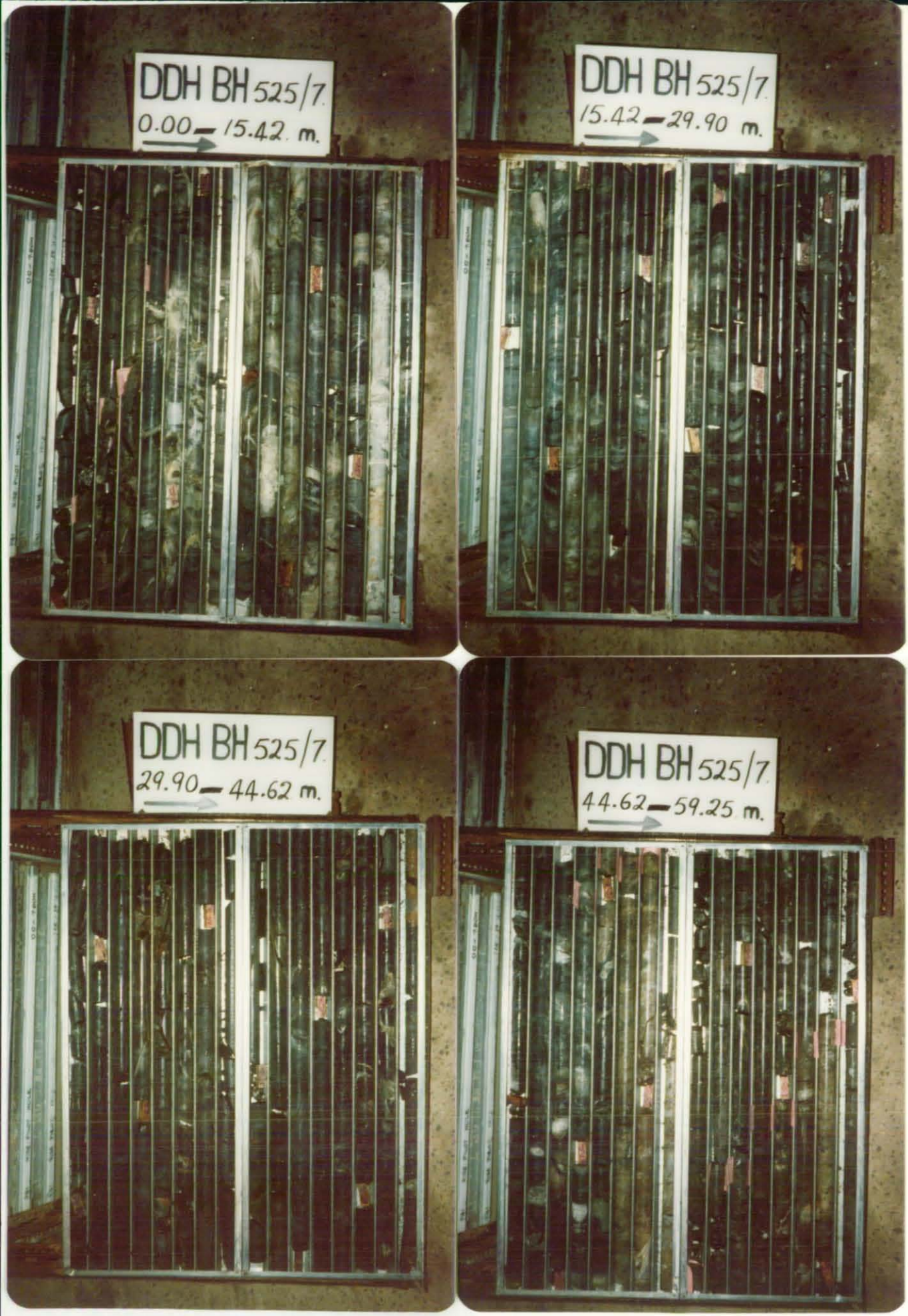
EOH 85.0 m.

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/7

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	
6380	0.49	0.03	8123	0.90	<0.01	8124	0.810		8125	0.82		
6390	0.20	0.01	8126	0.34	<0.01	8127	0.320		8128	0.30		
6400	0.50	0.02	8129	0.83	<0.01	8130	0.640		8131	0.63		


DDH BH 525/7
0.00 — 15.42 m.
DDH BH 525/7
15.42 — 29.90 m.
DDH BH 525/7
29.90 — 44.62 m.
DDH BH 525/7
44.62 — 59.25 m.


DDH BH 525/7
59.25 — 74.14 m.


DDH BH 525/7
74.14 — 81.50 m.


DDH BH 525/7
81.50 — 85.00 m.
EOH

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. No. BH 525/6

PLANNING

Proposer: J. M. Clark — Depth: 65 m

Location: G50 slot stope

Purpose of hole: To test, C_1 C_2 west

Co-ordinates: 40323 E 10530 N

Inclination: -58 — Magnetic:

Bearing: 270 Grid — Target depth:

Target: E N

Approved by: — Date:

SURVEY

Survey Co-ords: E N

Survey bearing 267.8 Grid — Magnetic:

Surveyed in by: — Date:

Actual Co-ords: 40322.1 E 10529.6 N

R.L. of collar: 974.0 — Inclination of hole: -59

Picked up by: B. Lennon — Date: 16-5-78

SUMMARY

Logged by: J. Clark

Results: Hole abandoned in Western Fault.

DRILLING

Driller/Contractor: A.D.D.

Date Commenced: 12-5-78 — Date Terminated: 22-5-78

Casing: Size :

Depth :

Core: Size : 46TT

Depth : 24 m

Wedge Runoff:

Wedge Placed: — Depth:

Proposed by: — Approved by:

Reason:

Extension:

Final depth: 24.1 m

Reason for termination: Could not get through western fault.

Condition of hole on completion:

Casing:

Cemented:

Bore hole survey: None

Water:

Comments on drilling conditions: Good except for fault.

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 525/6

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 6.5	6.5	6.2	95
- 8.5	3.0	3	100
- 12.5	"	3	100
- 15.5	"	2.96	99
- 18.5	"	2.96	99
- 21.5	"	2.94	98
- 24.1	"	2.5	96

GEOPEKO LIMITED - KING ISLAND

ASSAY DATA

D.D.H. No. BH 525/6

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	TO	Length	Length Recovered	WO_3	Mo		
BH 6368	0	1	1.0	1.0	0.48	0.01		
69	1	2	"	"	0.17	0.01		
70	2	3	"	"	<0.01	<0.01		
71	3	4	"	"	<0.01	<0.01		
72	11	12	"	"	<0.01	<0.01		
73	12	13	"	"	0.01	<0.01		
74	13	14	"	"	0.68	0.04		
75	14	15	"	"	0.12	0.01		
76	15	16	"	"	<0.01	<0.01		
77	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. BH 525/6

0.30 - 200 m

GARNET PYROXENE HORNFELS

Abundant dark green pyroxene and grossular with minor andradite are present in a marble matrix. Fine grained thickly disseminated scheelite occurs in the beginning of the unit, but becomes banded towards the end of the unit.

Fractures / M = 10
Recovery = 100%

2.00 - 19.00

MARBLE

Light grey fine to medium grained marble, which is usually well bedded and has occasionaly white calcite veinlets throughout.

12.9 - 14.7 m. Pyroxene calcite hornfels containing minor andradite and variable amounts of fine grained disseminated scheelite.

17.0 - 17.1 m, 17.7 - 18.5 m. Soft white calcite veins have caused crumbly core.

Depth	Bedding/ CA
6.5	50
11.3	37
17.5	60

Fractures / M = 4
Recovery = 99%

19.00 - 24.10 m

BIOTITE HORNFELS

Purplish brown biotite hornfels with interbedded light green pyroxene hornfels. Angular and lens - shaped rock fragments are from 17.0 - 22.5 m. Core becomes broken below 22.5 m and fractures are filled with iron oxide and calcite.

From 23.5 m the core is composed of clay and small rock fragments, belonging to the Western Fault. The hole could not penetrate the Western Fault.

Fractures / M = 11
Recovery = 96%

EOH 24.10 m

GEOLOGY - KING ISLAND SCHEELITE

CHECK ASSAY DATA

D.D.H. No. BH 525/6

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	
6368	0.48	0.01	8120	0.65	< 0.01	8121	0.696		8122	0.60		


DDH BH 525/6
0.00 — 15.41 m.


DDH BH 525/6
15.41 — 24.10 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 525/5

PLANNING

Proposer: S. G. B. — Depth: 85m

Location: M 52 drive

Purpose of hole: To test C_1 & C_2 lenses

Co-ordinates: 40375.0 E 10525.0 N
Inclination: -81 Magnetic:
Bearing 090 Grid Target Depth:
Target: E N
Approved by: M. C. R. Date: 13-9-77

SURVEY

Survey Co-ords: E N
Survey bearing: 91° 13' Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 40 374.52 E 10 524.65 N
R.L. of Collar: 971.42 Inclination of Hole: -81° 59'
Picked up by: J. C. Date: 8-9-77

SUMMARY

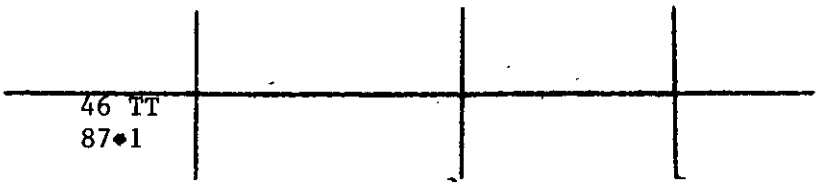
Logged by: D. Cowan
Results: 42.0 - 50.0m 8m a) 0.50% WO_3 C_1
59.0 - 62.0m 3m a) 0.78% WO_3 C_2 upper
73.0 - 75.0m 2m a) 0.49% WO_3 C_2 Lower

DRILLING

Driller/Contractor: A. D. D.

Date commenced: 6-9-77 Date terminated: 14-9-77

Casing: Size:
Depth:
Core: Size: 46 TT
Depth: 87.1



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

Condition of hole on completion: Final depth: 87.10
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 525/5

Survey method: Multishot Camera

Final depth : 87.10m

Casing depth : 1m

Depth surveyed to: 87.0m

Date surveyed: 14-9-77

Surveyed by : L. Denby

Checked by : M. Danielson

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
30	082	054	7.75	-82.25	29.69	2.44	3.53
60	079.5	051.5	7[illegible]	-83	59.47	4.77	6.36
87	079	051	6.25	-83.75	86.40	6.65	8.73

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 525/5

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0 - 1	1.00	0.80	80
1 - 3	2.00	1.62	81
3 - 7.3	4.30	4.40	102
7.3 - 8.9	1.60	1.55	97
8.9 -11.9	3.00	3.00	100
11.9 -14.9	3.00	3.00	100
14.9 -15.1	0.20	0.18	90
15.1 -18.1	3.00	3.05	102
18.1 -20.4	2.30	2.28	99
20.4 -21.1	0.70	0.65	93
21.1 -24.1	3.00	3.00	100
24.1 -27.1	3.00	2.98	99
27.1 -30.1	3.00	3.06	102
30.1 -33.1	3.00	2.96	99
33.1 -36.1	3.00	3.02	101
36.1 -39.1	3.00	3.00	100
39.1 -42.1	3.00	2.97	99
42.1 -45.1	3.00	3.04	101
45.1 -47.5	2.40	2.43	101
47.5 -50.5	3.00	3.00	100
50.5 -51.1	0.6	0.55	92
51.1 -54.1	3.0	2.96	99
54.1 -57.1	3.0	2.98	99
57.1 -60.1	3.0	3.00	100
60.1 -63.1	3.0	3.04	101
63.1 -66.1	3.0	3.01	100
66.1 -69.1	3.0	2.98	99
69.1 -72.1	3.0	2.97	99
72.1 -75.1	3.0	2.96	99
75.1 -78.1	3.0	3.00	100
78.1 -81.1	3.0	2.89	96
81.1 -84.1	3.0	2.88	96
84.1 -87.1	3.0	3.04	101

GEOPEKO LIMITED -

ASSAY DATA

D.D.H. No. B 525/5

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH 5207	4.0	5.0	1.0	1.0	0.42	0.01		
08	5.0	6.0	"	"	0.17	0.01		
09	6.0	7.0	"	"	0.18	0.01		
5210	16.0	17.0	"	"	<.01	<.01		
11	41.0	42.0	"	"	0.16	.01		
12	42.0	43.0	"	"	0.58	0.02		
13	43.0	44.0	"	"	0.45	0.02	42.0 - 50.0m	
14	44.0	45.0	"	"	0.34	0.02	8m @ 0.50% WO_3	
15	45.0	46.0	"	"	0.78	0.04		
16	46.0	47.0	"	"	0.63	0.03		
17	47.0	48.0	"	"	0.51	0.02		
18	48.0	49.0	"	"	0.37	0.01		
19	49.0	50.0	"	"	0.32	0.01		
5220	50.0	51.0	"	"	0.18	0.01		
21	51.0	52.0	"	"	0.07	0.01		
22	52.0	53.0	"	"	0.40	0.02		
23	53.0	54.0	"	"	0.18	0.01		
24	54.0	55.0	"	"	0.18	0.01		
25	55.0	56.0	"	"	0.63	0.04		
26	56.0	57.0	"	"	<.01	<.01		
27	57.0	58.0	"	"	<.01	<.01		
28	58.0	59.0	"	"	<.01	<.01		
29	59.0	60.0	"	"	0.42	0.02	59.0 - 62.3m	
5230	60.0	61.0	"	"	1.30	0.07	3m @ 0.78% WO_3	
31	61.0	62.0	"	"	0.61	0.04		
32	62.0	63.0	"	"	<.01	<.01		
33	72.0	73.0	"	"	<.01	<.01		
34	73.0	74.0	"	"	0.72	0.18	73.0 - 75.0m	
35	74.0	75.0	"	"	0.26	0.01	2m @ 0.49% WO_3	
BH 5236	75.0	76.0	"	"	<.01	<.01		

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. DDH B525/5

0 - 3.68 — Marble greyish colouration

Well banded, fine grained.

Bedding 60° LCA
65° LCA

3.68 - 7.00 — Mineralized marble

Pyroxene and garnet present. Some weak banding. Scheelite fluoresces yellow.

7.00 - 15.14 — Marble

7.00 - 14.2 Marble: banding broad and indistinct.
9.27 - 9.39 small amounts of scheelite associated with wallastonite.
14.2 - 15.14 well banded greyish marble.

Bedding 77° LCA
80° LCA

15.14 - 15.74 — Biotite - pyroxene hornfels

Darkish brown, well-banded.

Bedding 69° LCA:

15.74 - 17.45 — Pyroxene - garnet skarn

Yellow fluoresing scheelite

Between 16.10 - 16.97

17.45 - 39.10 — Biotite - pyroxene hornfels

17.45 - 19.03 Rich in dark brown discoidally shaped pods of biotite hornfels.

Bedding 66° LCA

19.03 - 39.10 Typical biotite - pyroxene hornfels varying from fairly well banded to disturbed. Bedding occurs from 34.90m onwards.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. DDH B525/5

39.10 - 42.20 Pyroxene calcite hornfels

Unbanded, distinctly greenish rock. Contains calcite pods up to 5cm in diameter.

42.20 - 56.50 Podded pyroxene garnet hornfels

Garnet is mostly grossular. Some coarse fibrous actinolite. Scheelite mainly associated with andradite garnet.

Ore from 43.50 - 48.15. Large scheelite crystals at 55.25m.

56.50 - 58.58 Biotite-pyroxene hornfels

Barren of scheelite, brownish colour, weakly banded.

Bedding 88° LCA. From 56.90m onwards it grades into pyroxene - calcite hornfels containing calcite pods.

58.58 - 61.67 Pyroxene - garnet skarn

Varies from hornfels - like to patches that are definite andradite skarn.

Ore from 60.18 - 61.67

61.67 - 73.38 Marble

Well banded greyish marble. Sugary texture, recrystalized.

Bedding 76° LCA
70° LCA
75° LCA

Two small areas of scheelite - bearing pyroxene - garnet skarn replacing the marble occur at. 68.70 - 68.95 and
69.87 - 70.13

other small areas of pyroxene - garnet skarn contain no or only trace scheelite.

Water occurs at 66.1m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. DDH B525/5

73.38 - 75.92 Pyroxene - garnet skarn

Weak to strong banding. Scheelite is concentrated in the areas where banding is absent, Ore from 73.38 - 74.85m. Banding 78° LCA.

75.92 - 80.30 Biotite - pyroxene hornfels

Well banded.
76.40 - 76.60 small band of scheelite - bearing pyroxene - garnet skarn.

Bedding 90° LCA
84° LCA
86° LCA

80.30 - 81.27 Marble

Well - banded, greyish marble.

81.30 - 84.29 Biotite - pyroxene hornfels

Well banded

84.29 - 87.10 Unmineralized banded footwall beds

Consisting of biotite, pyroxene, garnet and calcite intervals

Bedding 74° LCA
74° LCA
79° LCA

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. B 525/5

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	HOLE No.
5211	0.16		5596	<0.01		5597	0.02		5598	0.01		B525/5
5215	0.78		5602	0.71		5603	0.94		5604	1.13		"
5230	1.30		5599	1.28		5600	1.34		5601	1.02		"


DDH BH 525/5
00.00 – 14.90 m.


DDH BH 525/5
14.90 – 30.00 m.


DDH BH 525/5
30.00 – 44.96 m.


DDH BH 525/5
44.96 – 59.82 m.


DDH BH 525/5
59.82 - 74.72 m.


DDH BH 525/5
74.72 - 87.10 m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. B 525/4

PLANNING

Proposer: S. G. Brown — Depth: 80

Location: Q 54 drive

Purpose of hole: To test Bf_2 , C_1 and C_2 lenses

Co-ordinates: 40401.0 E 10525.0 N
Inclination: -76°
Bearing 090 Grid
Target: E N
Approved by: M. C. R.

Magnetic:
Target Depth:
Date: 14 - 8 - 77

SURVEY

Survey Co-ords: E N
Survey bearing: 83° 08' Grid
Surveyed in by:
Actual Co-ords: 40 401.64 E 10525.61 N
R.L. of Collar: 968.83
Picked up by: J. C.

Magnetic:
Date:
Inclination of Hole: -74° 50'
Date: 2-9-77

SUMMARY

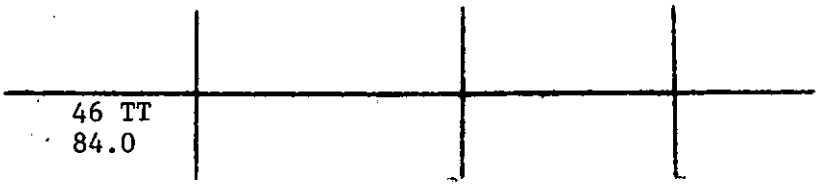
Logged by: S. Grieve Brown
Results: 2-18m 16m a) 1.05% WO_3 BF_2 24 - 26 2m a) 1.42% WO_3 Bf_2 pods
36-39m 3m a) 0.91% WO_3 C_1 45 - 57m 12m a) 1.04% WO_3 C_2

DRILLING

Driller/Contractor: A. D. D.

Date commenced: 26-8-77 — Date terminated: 5-9-77

Casing: Size:
Depth:
Core: Size: 46 TT
Depth: 84.0



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

Extension: Nil
Reason for termination: Below mineral zone

Condition of hole on completion: — Final depth: 84.0
Casing: Nil
Cemented: No
Bore hole survey: Multishot
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. B 525/54

Survey method: Multishot Camera

Final depth : 84.1m

Casing depth : 1m

Depth surveyed to: 84.0m

Date surveyed: 5-9-77

Surveyed by : L. Denby

Checked by : G. Brown

D[illegible] (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
30	081	053	15	-75	28.96	4.65	6.30
60	079	051	14.75	-75.25	57.98	9.38	12.30
84	079	051	14.75	-75.25	81.29	13.27	17.05

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. B 525/4

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 0.80	0.80	0.64	
2.70	1.90	2.08	
4.30	1.60	1.59	
7.20	2.90	2.78	
9.20	2.00	1.98	
9.50	0.30	0.29	
12.30	2.80	2.79	
15.30	3.00	2.99	100
18.40	3.10	3.03	
21.20	2.80	2.75	
24.30	3.10	3.05	
27.30	3.00	3.00	
28.80	1.50	1.53	
31.40	2.60	2.60	
34.50	3.10	3.03	
37.50	3.00	3.01	
40.50	3.00	3.00	
43.60	3.10	2.97	
44.20	0.60	0.52	
46.90	2.70	2.61	
50.00	3.10m	3.08	
50.40	0.40	0.40	
50.40 - 53.40	3.00	2.98	
54.30	0.90	0.85	
57.30	3.00	2.97	
60.30	3.00	2.96	
63.00	2.70	2.72	
65.30	2.30	2.29	
68.20	2.90	2.93	
71.20	3.00	3.00	
74.10	2.90	2.95	
77.10	3.00	2.94	
80.10	3.00	2.95	
83.00	2.90	2.74	

GEOPEKO LIMITED -

ASSAY DATA

D.D.H. No. B 525/4

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
5122	0.0	1.0	1.0	1.0	0.52	0.02	
23	1.0	2.0	1.0	1.0	0.07	0.01	
24	2.0	3.0	"	"	0.27	0.01	
25	3.0	3.0	"	"	0.68	0.03	
26	4.0	5.0	"	"	6.10	0.37	
27	5.0	6.0	"	"	0.29	0.01	
28	6.0	7.0	"	"	0.70	0.03	
29	7.0	8.0	"	"	3.89	0.18	
5130	8.0	9.0	"	"	0.96	0.05	2 - 18m
31	9.0	10.0	"	"	0.65	0.03	16m
32	10.0	11.0	"	"	0.57	0.04	@
33	11.0	12.0	"	"	0.89	0.04	1.05% WO_3
34	12.0	13.0	"	"	0.58	0.01	
35	13.0	14.0	"	"	0.32	0.01	
36	14.0	15.0	"	"	0.75	0.02	
37	15.0	16.0	"	"	0.78	0.05	
38	16.0	17.0	"	"	0.18	<.01	
39	17.0	18.0	"	"	1.32	0.07	
5140	18.0	19.0	"	"	0.15	<.01	
41	19.0	20.0	"	"	<.01	<.01	
42	20.0	21.0	"	"	<.01	<.01	
43	21.0	22.0	"	"	<.01	<.01	
44	22.0	23.0	"	"	<.01	<.01	
45	23.0	24.0	"	"	0.20	0.02	2m
46	24.0	25.0	"	"	0.86	0.16	@
47	25.0	26.0	"	"	1.99	0.25	1.42% WO_3
48	26.0	27.0	"	"	<.01	<.01	
49	27.0	28.0	"	"	<.01	<.01	
5150	36.0	37.0	"	"	0.31	0.01	3m
51	37.0	38.0	"	"	1.68	0.07	a)
52	38.0	39.0	"	"	0.74	0.02	0.91% WO_3
53	39.0	40.0	"	"	<.01	<.01	
54	40.0	41.0	"	"	<.01	<.01	
55	41.0	42.0	"	"	0.01	<.01	
5156	42.0	43.0	"	"	1.62	0.07	
57	43.0	44.0	"	"	<.01	<.01	
58	44.0	45.0	"	"	<.01	<.01	
59	45.0	46.0	"	"	0.36	0.01	

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED -

ASSAY DATA

D.D.H. No. B 525/4

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
5160	46.0	47.0	1.0	1.0	1.02	1.05		
61	47.0	48.0	"	"	<.01	<.01		
62	48.0	49.0	"	"	0.78	0.03		
63	49.0	50.0	"	"	2.72	0.11	45 - 57m	
64	50.0	51.0	"	"	1.94	0.08	12m	
65	51.0	52.0	"	"	0.87	0.04	a)	
66	52.0	53.0	"	"	1.40	0.05	1.04% WO_3	
67	53.0	54.0	"	"	1.28	0.04		
68	54.0	55.0	"	"	0.78	0.04		
69	55.0	56.0	"	"	0.95	0.04		
5170	56.0	57.0	"	"	0.42	0.01		
71	57.0	58.0	"	"	0.15	0.01		
72	58.0	59.0	"	"	<.01	<.01		
73	59.0	60.0	"	"	<.01	<.01		
74	60.0	61.0	"	"	0.17	<.01		
75	61.0	62.0	"	"	0.07	<.01		
76	62.0	63.0	"	"	0.12	<.01		
77	63.0	64.0	"	"	<.01	<.01		
78	64.0	65.0	"	"	<.01	.02		
79	65.0	66.0	"	"	<.01	0.01		
5180	66.0	67.0	"	"	<.01	0.01		
81	67.0	68.0	"	"	<.01	0.15		
82	68.0	69.0	"	"	0.05	0.11		
83	69.0	70.0	"	"	0.10	0.01		
5184	75.0	76.0	"	"	0.16	0.01		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 525/4

0.00 - 18.91 Mineralized banded footwall beds

This unit is dominated by the andradite rich bands with only lesser amounts of pyroxene biotite and calcite apparent in the core. These non mineralized bands become much more prominant over the last 2 metres.

Scheelite mineralization is present in the andradite bands and the overall destribution is erratic all though the area between 0.0 - 18.0 metres is probable all ore grade.

Very high grade scheelite is apparent in the interval 3.0 - 5.0 metres.

Bedding is at 26° LCA at 7.0m
26° LCA at 11.0m
59° LCA at 16.5m

18.91 - 22.99 Banded biotite pyroxene hornfels

A small unit of disturbed banded biotite pyroxene hornfels with some very minor garnet rich bands also present in this area. This unit is unmineralized.

Bedding is at 30° LCA at 19.5m
5° LCA at 21.6m

22.99 - 26.89 Disturbed mineralized banded footwall beds

This is a small unit of podded pyroxene garnet calcite hornfels which probably occurs as a result of the disturbance of an originally bedded unit.

Scheelite mineralization is present throughout in varying amounts.

26.89 - 34.50 Disturbed banded footwall beds

This unit is similar to that above but with only minor garnet present throughout. Only trace scheelite occurs in this unit.

It would appear that the podded nature of this unit is due to disturbance of a normal banded footwall bed sequence.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 525/4

34.50 - 34.55 Water inflow

Possibly No. 2 fault

34.55 - 41.89 Biotite pyroxene garnet hornfels

This unit does not correspond to any of units in the standard stratigraphic sequence. The main area of garnet enrichment is between 36.50 - 38.50 where there scheelite is present as quite large crystals throughout.

The unit is quite disturbed is pyroxene rich overall, and has a distinct podded appearance in some areas.

41.89 - 47.61 Podded pyroxene garnet hornfels

A well developed unit of podded pyroxene garnet hornfels with large calcite pods prominent between 41.89 - 45.50metres. Below this depth the overall texture is finer grained, and tends to grade into the underlying unit.

Scheelite mineralization is present throughout especially in the finer grained portion of this unit.

47.61 - 48.83 Biotite pyroxene hornfels

A small unit of disturbed biotite pyroxene hornfels. Only trace scheelite is present in this unit associated with the minor amounts of garnet.

48.83 - 56.57 Garnet skarn

A unit of well developed garnet skarn containing high grade scheelite. Calcite and quartz are present in the spaces between some of the garnet crystals.

This unit grades into the underlying unit over the last metre or so.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. B 525/4

56.57 - 69.27 Mineralized banded footwall beds

This unit of banded footwall beds contains large amounts of garnet between 56.57 - 67.00 below which pyroxene is dominant.

Scheelite is present in minor amounts throughout this unit but will not reach ore grade.

Bedding is at 50° LCA at 57.50

69.27 - 83.00 EOH Banded footwall beds

A sequence of biotite pyroxene calcite bands with occasional amounts of andradite skarn also present eg. between 75.0 - 75.59 Ore grade scheelite is present in this area but otherwise the unit is barren.

Bedding is at 82° LCA at 72.2
77° LCA at 75.0
48° LCA at 77.5
66° LCA at 81.7

GEOPEKO LIMITED - KING ISLAND

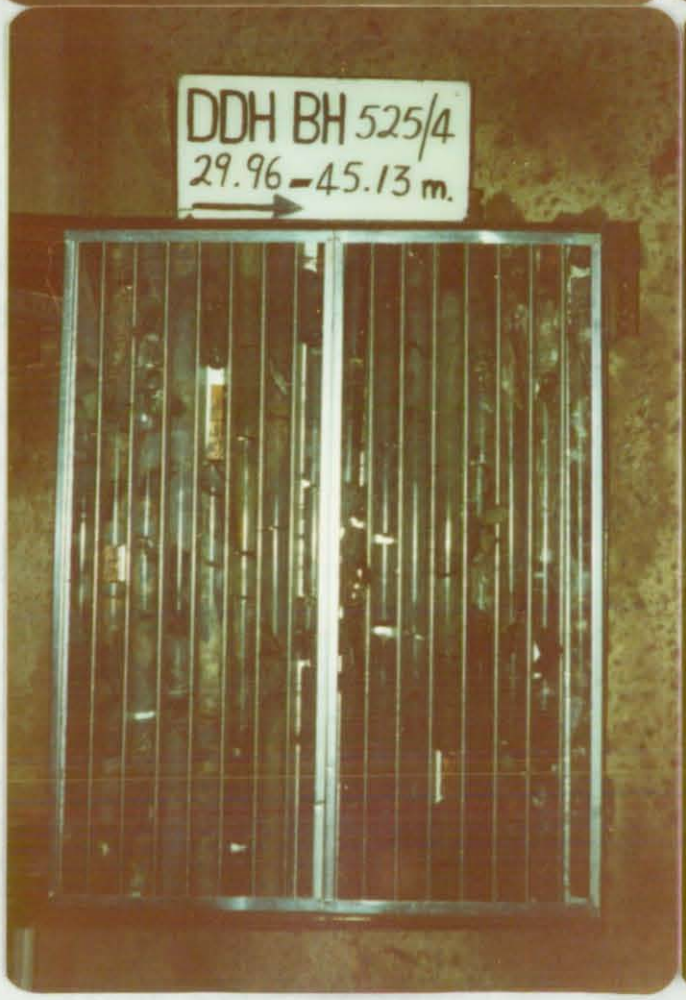
CHECK ASSAY DATA

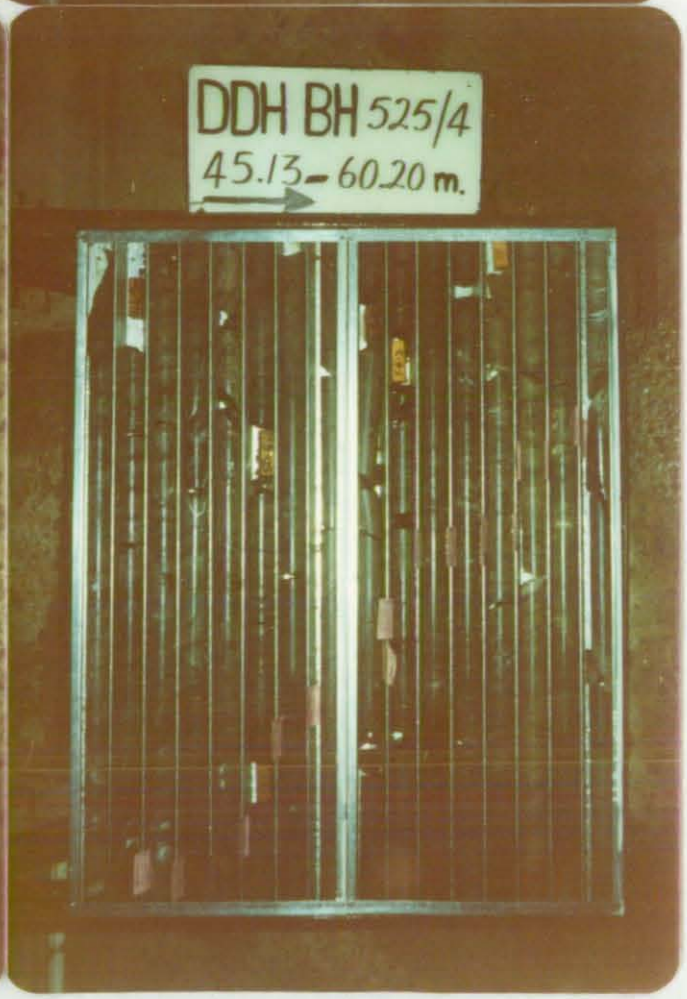
D.D.H. B 525/4

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	HOLE No.
5124	0.27		5481	0.18		5482	0.25		5483	0.28		B 525/4
5129	3.89		5478	4.20		5479	3.78		5480	4.14		"
5139	1.32		5487	0.83		5488	1.08		5489	1.25		"
5146	0.86		5484	0.82		5485	0.95		5486	1.02		"
5166	1.40		5701	1.20		5702	1.40		5703	1.20		"
5170	0.42		5704	0.37		5705	0.50		5706	0.44		"


DDH BH 525/4
00.00 - 14.72 m.


DDH BH 525/4
14.72 - 29.96 m.


DDH BH 525/4
29.96 - 45.13 m.


DDH BH 525/4
45.13 - 60.20 m.


DDH BH 525/4
60.20 – 75.21 m.


DDH BH 525/4
83.00 E.O.Hm.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH525/3

PLANNING

Proposer: S. Grieve Brown — Depth: 100m

Location: M52 Drive

Purpose of hole: To test C_1 C_2 lenses

Co-ordinates: 10370.0 E 10525.0 N
Inclination: -86°
Bearing 090 Grid
Target: E
Approved by: M.C. Rogers

Magnetic:
Target Depth:
N
Date: 9/9/76

SURVEY

Survey Co-ords: ° E N
Survey bearing: 79° Grid
Surveyed in by:
Actual Co-ords: 40 369.28 E 10 525.42 N
R.L. of Collar: 972.02
Picked up by: A. Grigulis

Magnetic:
Date:
Inclination of Hole: -84° 44'
Date: 1/3/76

SUMMARY

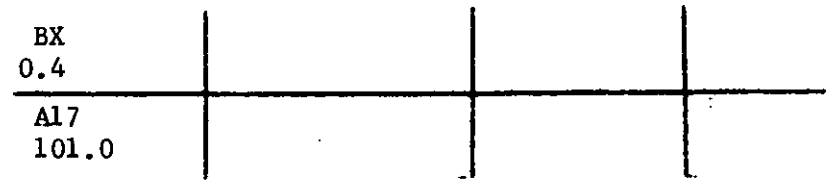
Logged by: S. Grieve Brown
Results: 44.0 - 52.0m 8.0m @ 0.83% WO_3
60.0 - 63.0m 3.0m @ 1.06% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 22/2/77 — Date terminated: 1/3/77

Casing: Size: BX
Depth: 0.4
Core: Size: A17
Depth: 101.0



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

Extension: Nil
Reason for termination: Entered unmineralised D lens sequence.
Condition of hole on completion: — Final depth: 101.0
Casing: left
Cemented:
Bore hole survey: Multishot
Water: Nil

Comments on drilling conditions: Good

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 525/3

Survey method: Multishot
Final depth : 101m
Casing depth : 0.4m

Depth surveyed to: 101.0m
Date surveyed: 1/3/77
Surveyed by : S.G.B.
Checked by : R.B.

[illegible]th (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected			
6	074° 00'	046° 00'	4° 50'	-85° 10'	5.98	0.37	0.33
30	046° 00'	018° 00'	3° 50'	-86° 10'	29.91	1.97	1.17
60	~~303° 00'~~	~~275° 45'~~	4° 00'	-86° 00'	~~59.86~~	~~0.73~~	~~1.02~~
90	~~316° 00'~~	~~288° 00'~~	5° 00'	-85° 00'	~~89.76~~	~~1.54~~	~~0.30~~
101 EOH	~~313° 00'~~	~~285° 00'~~	5° 00'	-85° 00'	~~100.69~~	~~2.46~~	~~0.03~~
[redacted]	↓	↓					
60	27°00	359°00'					
90	12°00'	344°00'					
101 EOH	10°00'	342°00'					

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

D.D.H. No. BH 525/3

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 3.70	3.70	3.43	92.7
3.70 - 5.90	2.20	2.10	95.5
5.90 - 8.10	2.20	2.32	105.5
8.10 - 11.10	3.0	3.00	100.0
11.10 - 14.1	3.0	2.99	99.7
14.10 - 17.1	3.0	3.00	100.0
17.10 - 20.1	3.0	2.97	99.0
20.10 - 23.1	3.0	2.95	98.3
23.10 - 26.1	3.0	2.95	98.3
26.10 - 27.9	1.8	1.93	107.2
27.9 - 30.9	3.0	2.94	98.0
30.9 - 33.9	3.0	3.02	100.7
33.9 - 36.9	3.0	2.95	98.3
36.9 - 39.9	3.0	3.01	100.3
39.9 - 42.9	3.0	3.00	100.0
42.9 - 45.9	3.0	2.96	98.7
45.9 - 48.9	3.0	2.99	99.7
48.9 - 50.8	1.9	1.95	102.6
50.8 - 53.8	3.0	3.01	100.3
53.8 - 56.8	3.0	2.97	99.0
56.8 - 59.8	3.0	3.04	101.3
59.8 - 62.8	3.0	3.00	100.0
62.8 - 65.8	3.0	2.97	99.0
65.8 - 66.1	0.3	0.30	100.0
66.1 - 69.1	3.0	2.83	94.3
69.1 - 72.1	3.0	2.98	99.3
72.1 - 75.1	3.0	2.97	99.0
75.1 - 78.1	3.0	3.03	101.0
78.1 - 81.1	3.0	2.99	99.6
81.1 - 84.1	3.0	2.95	98.3
84.1 - 86.3	2.2	2.17	98.6
86.3 - 89.0	2.7	2.62	97.0
89.0 - 92.0	3.0	3.01	100.3
92.0 - 95.0	3.0	2.99	99.7
95.0 - 98.0	3.0	3.02	100.7
98.0 - 101.0	3.0	2.97	99.0
EOH			

GEOPEKO LIMITED - BOLD HEAD

ASSAY DATA

D.D.H. No. BH 525/3

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH4460	6.0	7.0	1.0	1.0	0.34	0.02	
61	7.0	8.0	1,0	1.0	0.22	0.01	
62	42.0	43.0	1.0	1.0	< 0.01	<0.01	
63	43.0	44.0	1.0	1.0	0.22	0.01	
64	44.0	45.0	1.0	1.0	2.05	0.14	44.0 - 52.0m
65	45.0	46.0	1.0	1.0	0.74	0.03	8.0m @ 0.83% WO_3
66	46.0	47.0	1.0	1.0	1.34	0.05	C1 lens
67	47.0	48.0	1.0	1.0	0.35	0.01	
68	48.0	49.0	1.0	1.0	0040	0.01	
69	49.0	50.0	1.0	1.0	0.98	0.04	
70	50.0	51.0	1.0	1.0	0.35	0.01	
71	51.0	52.0	1.0	1.0	0.42	0.02	
72	52.0	53.0	1.0	1.0	0.24	0.01	
73	53.0	54.0	1.0	1.0	0.20	0.01	
74	54.0	55.0	"	"	< 0.01	< 0.01	
75	55.0	56.0	"	"	< 0.01	< 0.01	
76	56.0	57.0	"	"	< 0.01	< 0.01	
77	57.0	58.0	"	"	< 0.01	< 0.01	
78	58.0	59.0	"	"	< 0.01	< 0.01	
79	59.0	60.0	"	"	< 0.01	< 0.01	
80	60.01	61.0	"	"	1.14	0.05	
81	61.0	62.0	"	"	1.23	0.07	60.0 - 63.0m
82	62.0	63.0	"	"	0.80	0.04	3m @ 1.06% WO_3
83	63.0	64.0	"	"	< 0.01	<0.01	C_2 lens
B4484	75.0	76.0	"	"	0.02	<0.01	
85	76.0	77.0	"	"	0.20	<0.01	
86	77.0	78.0	"	"	<0.01	< 0.01	
87	89.0	90.0	"	"	0.30	0.01	

SPECIFIC GRAVITY

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

Determined by:

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/3

0.00 - 17.79m MARBLE

A grey black coloured unit of fine grained recrystalised marble with well developed bedding present in some areas.

Two zones of mineralised marble occur between 2.28 - 3.08m, and 5.80 - 8.01m.

The first of these zones contains moderate amounts of grossularite but only minor pyroxene and trace scheelite. The second zone contains larger amounts of pyroxene, possibly some andradite in addition to the grossularite and minor to moderate amounts of scheelite.

Bedding occurs at 65° LCA at 1.40m
67° LCA at 5.20m
62° LCA at 11.60m
72° LCA at 15.0m

17.79 - 42.86m DISTURBED BIOTITE PYROXENE HORNFELS

As is usual immediately underlying the 'B' lens marble this unit has a distinctly banded appearance in which irregular biotite rich 'rafts' or fragments occur in a lighter grey-brown coloured matrix. Some small siliceous pods occur in this area.

Below 19.57m the core takes on a more blotchy appearance with patches of biotite and pyroxene rich hornfels grading into each. Occasional pods are present through out and these become increasingly obvious below the 30 metre mark.

Between 39.49 - 40.83m there is a small unit of podded pyroxene calcite hornfels, in which large numbers of calcite pods occur in a fine pyroxene rich matrix.

A small calcite filled fracture recurs at 48° LCA at 33.37m.

42.86 - 56.33m PODDED PYROXENE GARNET HORNFELS

A well developed unit of podded pyroxene garnet hornfels consisting of garnet pyroxene rich groundmass with large numbers of irregular calcite pods occurring throughout.

Ore grade scheelite is present between 43.95m - 50.50m while irregular amounts of sub grade scheelite occurs throughout.

Minor fractures occur at 3° LCA at 43.44m
19° LCA at 46.18m
15° LCA at 54.88m

56.33 - 59.16m PODDED BIOTITE PYROXENE HORNFELS

A small unit of biotite pyroxene hornfels with an irregular distribution of calcite pods present throughout. The calcite pods are usually rimmed with garnet.

59.16 - 62.79m GARNET SKARN

Initially this is more correctly classifed as a pyroxene garnet hornfels but below 60.28m it is a true garnet skarn replacing 'C' lens marble Between 60.28 - 62.79m the core contains high grade scheelite.

62.79 - 74.13 MARBLE

This is a typical 'C' lens marble with a course sugary texture, grey-black in colour and with well developed bedding in some areas. This unit is completely barren.

Bedding is at 76° LCA at 64.1m
52° LCA at 66.67m
70° LCA at 73.5m
A pug zone is present at 67.13m

74.13 - 78.81m MINERALISED MARBLE

This consists mainly of a course sugary textured marble with a small number of biotite and pyroxene bands present throughout. Garnet is present both as bands and discrete crystals within the marble.

Although minor scheelite is present throughout it is only ore grade between 76.36 - 76.79m.

Bedding is at 81° LCA at 75.1m

78.81m - 86.53 BANDED BIOTITE PYROXENE HORNFELS

Essentially a banded unit of biotite pyroxene hornfels with minor calcite bands present between 82.29 - 84.06m trace mineralisation is present in these bands where there are zones of garnet enrichment.

Bedding is at 65° LCA at 80.91m
64 LCA at 82.90m

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/3

Zones of broken core possibly indicating fracturing are present between ;
81.0 - 81.1m, 83.52 - 83.62m, 86.02 - 86.30m.

86.53 - 101.0m BANDED FOOTWALL BEDS

EOH

A banded unit consisting mainly of alternating bands of biotite, pyroxene and calcite hornfels with occasional garnet rich bands especially between 89.12m to 89.55m.

Bedding is at 59^{o} LCA at 88.80m.
68^{o} LCA at 92.50m.
60^{o} LCA at 96.45m.
72^{o} LCA at 98.90m.

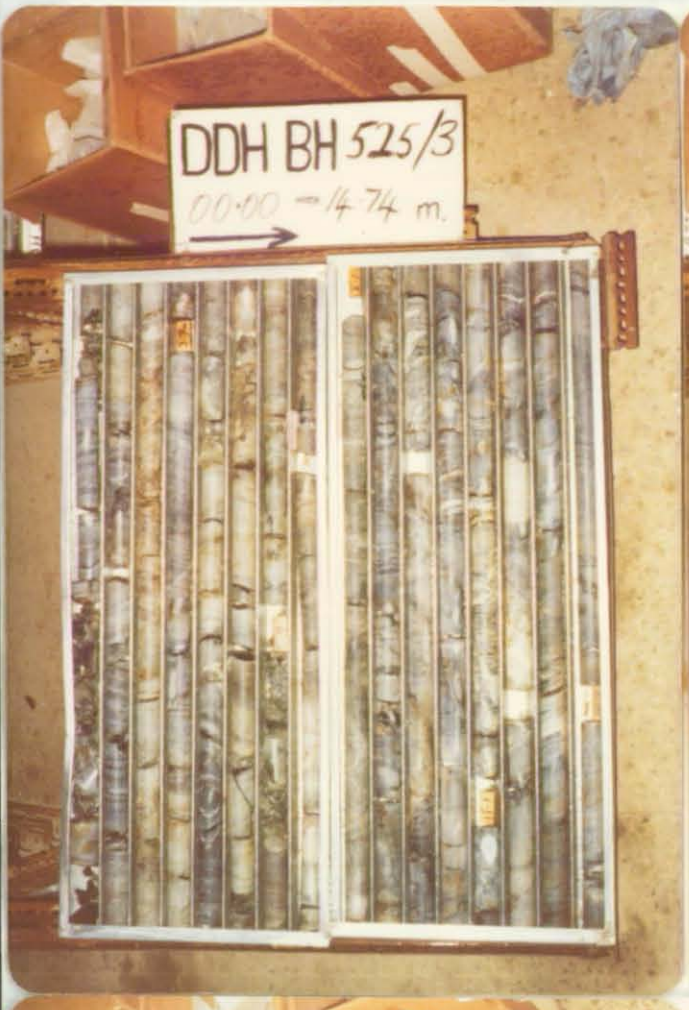
Except between 89.12 - 89.55m the unit is unmineralised.

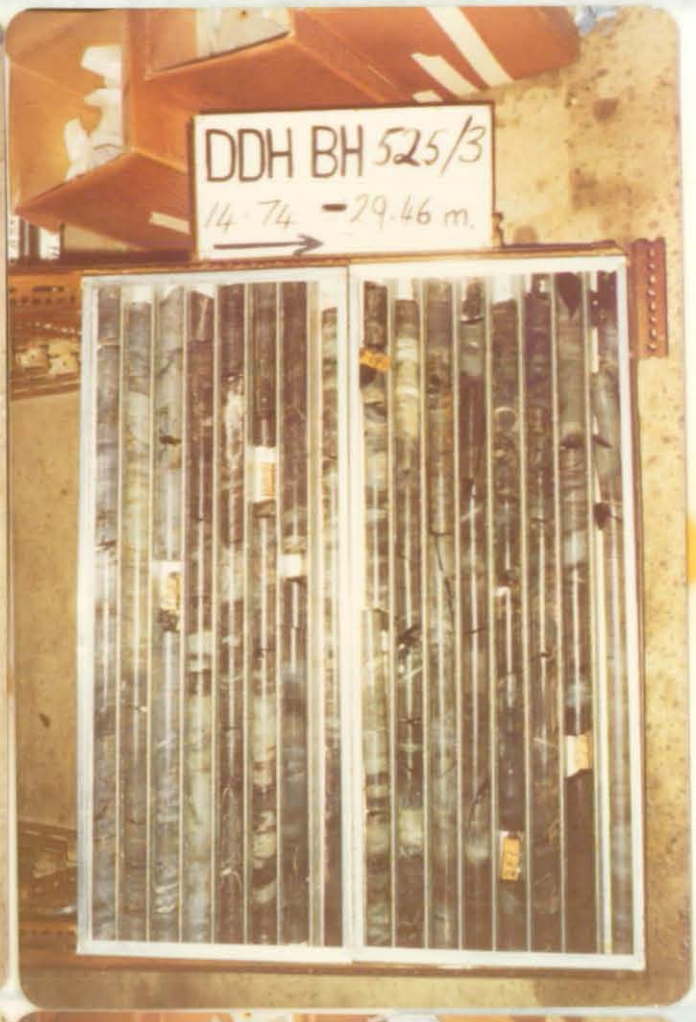
GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 525/3

LAB.	K.I.S.		LAB. K.I.S. Check			LAB. AMDEL			LAB. A.C.S.L.			
Original Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	Check Sample No.	WO_3	Mo	
BH 4460	0.34	0.02	2766	0.30		2767	0.46		2768	0.41		
BH 4469	0.98	0.04	2769	0.89		2770	1.08		2771	1.03		
BH 4485	0.20	0.01	2772	0.19		2773	0.27		2774	0.24		


DDH BH 525/3
00·00 - 14·74 m.

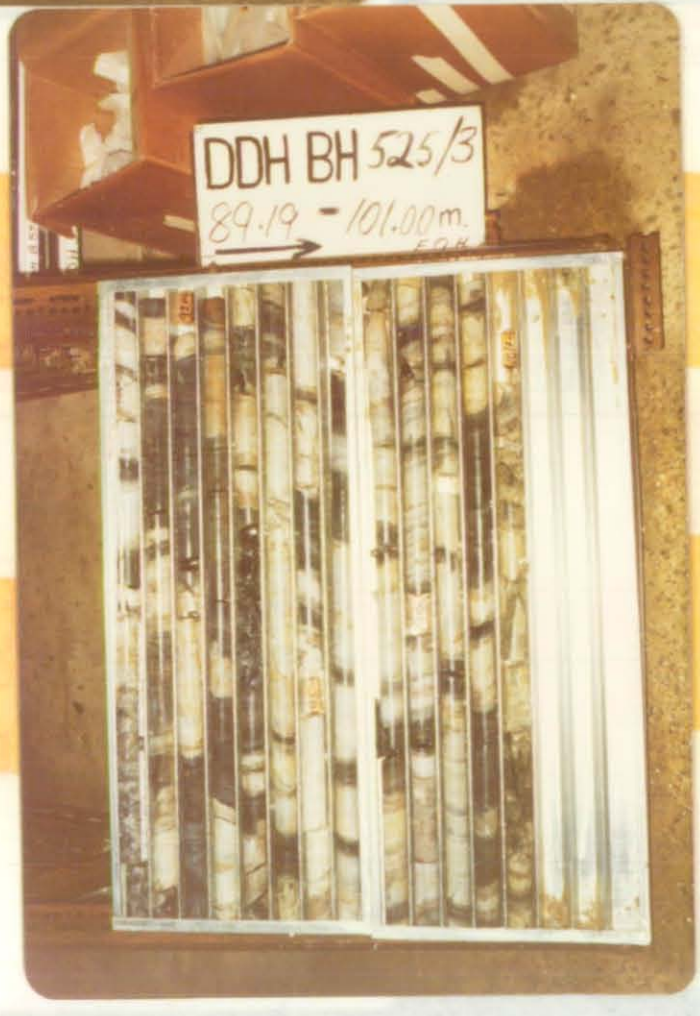

DDH BH 525/3
14·74 - 29.46 m.


DDH BH 525/3
29.46 - 44.67 m.


DDH BH 525/3
44.67 - 59.62 m.


DDH BH 525/3
59.62 - 74.53m.


DDH BH 525/3
74.53 - 89.19 m.


DDH BH 525/3
89.19 - 101.00m.

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 525/2

PLANNING

Proposer: S.G. Brown — Depth: 32m

Location: N 53 drive

Purpose of hole: To test BF2 lens.

Co-ordinates: 10 386 E 10525 N
Inclination: -34°
Bearing 090° Grid
Target: E
Approved by: M.C. Rogers

Magnetic:
Target Depth:
N
Date: 27/9/76

SURVEY

Survey Co-ords: E N
Survey bearing: 91°03' Grid
Surveyed in by:
Actual Co-ords: 10 386.23 E 10 524.48 N
R.L. of Collar: 971.76
Picked up by: A.G.

Magnetic:
Date:
Inclination of Hole: -31°06'
Date: 28/9/76

SUMMARY

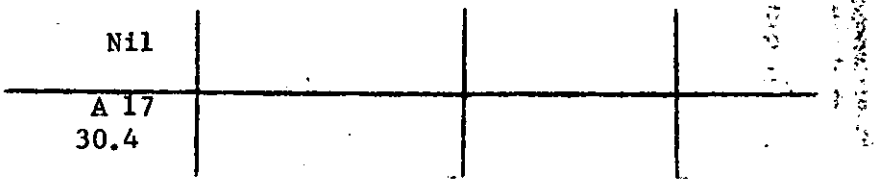
Logged by: S.G. Brown
Results: 0.0 - 6.0m, 6m @ 0.46% WO_3
11.0 -21.0m, 10m @ 0.71% WO_3

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 24/9/76 — Date terminated: 26/9/76

Casing: Size: Nil
Depth:
Core: Size: A 17
Depth: 30.4



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

Extension: Nil
Reason for termination: Entered banded biotite pyroxene hornfels below BF2 mineralisation
Condition of hole on completion: — Final depth: 30.4
Casing: Nil
Cemented: No
Bore hole survey: Multishot camera
Water: Minor

Comments on drilling conditions: Good.

GEOPEKO LIMITED - KING ISLAND

SUMMARY BORE HOLE SURVEY DATA

D.D.H No. BH 525/2

Survey method: Multishot camera
Final depth : 30.4m
Casing depth : Nil

Depth surveyed to: 30.4m
Date surveyed: 26/9/76
Surveyed by : R. Bogaart
Checked by : R. Bogaart

Depth (m)	Bearing		Inclination		True vertical Depth (m)	Co-ordinates	
	Grid	Mag.	Read	Corrected		N	E
12	93 00'	65 00'	54 45'	-35 15'	6.93	4.14	8.88
21	93 00'	65 00'	55 00'	-35 00'	12.13	7.24	15.53
30.4	94 00'	66 00'	54 30'	-35 30'	17.59	10.39	22.50

REMARKS:

GEOPEKO LIMITED - KING ISLAND

CORE RECOVERY

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

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.00 - 3.80	3.80	3.61	95
3.80 - 6.00	2.20	2.34	106
6.00 - 9.00	3.00	2.96	99
9.00 - 12.10	3.10	3.93	95
12.10 - 14.40	2.30	2.31	100
14.40 - 15.90	1.50	1.46	97
15.90 - 18.10	2.20	2.21	100
18.10 - 21.10	3.00	2.98	99
21.10 - 24.10	3.00	2.97	99
24.10 - 27.10	3.00	3.00	100
27.10 - 30.40	3.30	3.21	97
30.40 E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

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

Sample No.	DEPTH (METRES)				ELEMENTS		COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo	
BH							
3819	0	1.0	1.00	0.70	0.46	0.02	
20	1.0	2.0	1.00	1.00	0.42	0.02	6m @ 0.46% WO_3
21	2.0	3.0	1.00	1.00	0.57	0.03	0 - 6m B East
22	3.0	4.0	1.00	1.00	0.79	0.05	
23	4.0	5.0	1.00	1.00	0.16	<0.01	
24	5.0	6.0	1.00	1.00	0.33	0.02	
25	6.0	7.0	1.00	1.00	<0.01	<0.01	
26	7.0	8.0	1.00	1.00	<0.01	<0.01	
27	8.0	9.0	1.00	1.00	<0.01	<0.01	
28	9.0	10.0	1.00	1.00	<0.01	<0.01	
29	10.0	11.0	1.00	1.00	<0.01	<0.01	
30	11.0	12.0	1.00	1.00	0.63	0.07	
31	12.0	13.0	1.00	1.00	0.21	0.01	
32	13.0	14.0	1.00	1.00	0.37	0.02	
33	14.0	15.0	1.00	1.00	0.97	0.05	11.0 - 21.0m 10m @
34	15.0	16.0	1.00	1.00	0.79	0.05	
35	16.0	17.0	1.00	1.00	0.38	0.02	0.71% WO_3 BF2
36	17.0	18.0	1.00	1.00	1.43	0.08	
37	18.0	19.0	1.00	1.00	0.32	0.01	
38	19.0	20.0	1.00	1.00	0.46	0.01	
39	20.0	21.0	1.00	1.00	1.58	0.08	
40	21.0	22.0	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. BH 525/2

0.00 - 4.58 GARNET SKARN

A unit of brown - green pyroxene garnet skarn containing good grade scheelite throughout. Some minor calcite is also present in this unit.

4.58 - 6.51 MINERALISED MARBLE

This unit consists of barren grey marble with some areas of pyroxene skarn containing minor scheelite. No banding is apparant in this area.

6.51 - 11.03 BIOTITE HORNFELS

This unit is essentially a brown purple fine grained biotite hornfels with some pyroxene present between 9.09 and 9.60m. Marble with some minor garnets is present between 9.60 - 10.41m.

At 7.11m a calcite filled possible fault occurs at 48° LCA.

At 8.93m a clinohumite filled fault occurs at 50° LCA.

At 8.46m a calcite filled major fracture occurs at 38° LCA.

11.03 - 21.08 MINERALISED BANDED FOOTWALL BEDS

This unit consists of alternating beds of pyroxene garnet skarn, marble and biotite and pyroxene hornfels. The bedding is badly disturbed in some areas and podding is apparant in these zones.

Scheelite mineralisation occurs throughout this unit in the skarn horizons and a majority of this section should reach ore grade.

bedding is at 50° LCA at 14.77m.
57° LCA at 19.10m.

21.08 - 30.40 BANDED BIOTITE PYROXENE HORNFELS

An extremely well bedded unit consisting of altenating bands of biotite (brown) and pyroxene (grey - green) hornfels.

In some areas the core is disturbed and often clots are developed within these areas.

This unit is barren.

bedding is at 57° LCA at 22.4m.
60° LCA at 25.1m.
32° LCA at 27.9m.
50° LCA at 30.0m.

30.40 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. 525/2

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	
BH 3819	0.46	0.02	2457	0.44		2458	0.58		2459	0.59		
BH 3831	0.21	0.01	2460	0.21		2461	0.28		2462	0.26		
BH 3839	1.58	0.08	2463	1.60		2464	1.58		2465	1.62		


DDH BH 525/2
00·0·0 - 15·37 m.


DDH BH 525/2
15·37 - 30·40 m

GEOPEKO LIMITED - KING ISLAND

LOG OF D.D.H. NO. BH 525/1

PLANNING

Proposer: S.G. Brown — Depth: 50m

Location: Cuddy - P 55 drive.

Purpose of hole: To test BF2 on 10525 N.

Co-ordinates: 10 396 E 10 525 N
Inclination: -78°
Bearing 090° Grid
Target: E
Approved by: M.C. Rogers

Magnetic:
Target Depth:
N
Date: 12/8/76

SURVEY

Survey Co-ords: E N
Survey bearing: Grid Magnetic:
Surveyed in by: Date:
Actual Co-ords: 10 527.60 NE 10 400.19 E N
R.L. of Collar: 987.77
Picked up by: J. Cook

Inclination of Hole:-78°
Date: 16/9/76

SUMMARY

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

DRILLING

Driller/Contractor: A.D.D.

Date commenced: 2/9/76 — Date terminated: 3/9/76

Casing:	Size:	NQ
	Depth:	1.5
Core:	Size:	A 17
	Depth:	14.05

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

Extension: Nil
Reason for termination: Intersected Q 54 drive.

Condition of hole on completion: Final depth: 14.05
Casing: Pulled
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 525/1

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. BH 525/1

INTERVAL (m)	LENGTH (m)	LENGTH RECOVERED (m)	% CORE RECOVERY
0.0 - 2.50	2.50	2.12	85
4.90	2.40	2.46	103
7.95	3.05	3.06	100
11.05	3.10	3.18	103
14.05	3.00	2.95	98
E.O.H.			

GEOPEKO LIMITED - BOLD HEAD MINE

ASSAY DATA

D.D.H. No. BH 525/1

Sample No.	DEPTH (METRES)				ELEMENTS			COMMENTS
	From	To	Length	Length Recovered	WO_3	Mo		
BH								
3803	0	1	1	1	0.07	<0.01		
4	1	2	1	1	<0.01	<0.01		
5	2	3	1	1	0.02	<0.01		
6	3	4	1	1	<0.01	<0.01		
7	4	5	1	1	0.44	0.02		
8	5	6	1	1	0.18	0.01		
9	6	7	1	1	<0.01	<0.01		
3810	7	8	1	1	<0.01	<0.01		
1	8	9	1	1	0.19	0.01		
2	9	10	1	1	0.07	<0.01		
3	10	11	1	1	0.22	<0.01		
4	11	12	1	1	0.14	<0.01		

SPECIFIC GRAVITY

Determined by:

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

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/1

0.0 - 2.62 BANDED PYROXENE GARNET HORNFELS

A banded unit of pyroxene garnet hornfels consisting of alternative bands of pyroxene grossularite, andradite and minor biotite bands. The unit is garnet rich for the first 1.50m, after which the unit becomes pyroxene rich and grades into the pyroxene hornfels below. Scheelite mineralisation is erratic and as associated with with the garnet rich areas. The unit is expected to be subgrade.

Bedding is at ≃ 55 LCA @ 1.23m.
≃ 54 LCA @ 2.45m.

2.62 - 3.87 PYROXENE HORNFELS

A fine grained greyish - green unit of pyroxene hornfels containing irregular areas rich in biotite. The unit is barren of scheelite mineralisation.

3.87 - 6.60 PYROXENE GARNET HORNFELS

A greenish - brown unit of pyroxene garnet hornfels containing fine grained pyroxene, grossularite, andradite, pyrite and irregular carbonate in the groundmass. The unit contains irregular scheelite mineralisation and may reach ore grade between 4.56 - 5.37. A major carbonate filled fracture occurs at 4.40. (≃ 16° LCA)

Some bedding may be noted at the contact with the pyroxene hornfels above.

Bedding is ≃ 70° LCA @ 3.87m.

6.60 - 7.92 BIOTITE HORNFELS

A small unit of biotite hornfels. The first 30cm of this unit contains bands and pods of pyroxene. The unit is devoid of scheelite mineralisation.

Banding is at ≃ 87° at 6.60m.
≃ 52° at 7.92m.

7.92 - 11.0 MINERALISED BANDED FOOTWALL BEDS

A unit consisting of pyroxene, garnet, biotite and calcite hornfels. Erratic scheelite mineralisation is associated with the garnet rich bands and will probably reach grade ore. The unit grades into the banded footwall beds below.

Beding is at ≃ 58° LCA @ 9.59m.
≃ 52° LCA @ 10.85m.

GEOPEKO LIMITED - KING ISLAND

GEOLOGICAL LOG

D.D.H. No. BH 525/1

11.0 - 14.05 DISTURBED BANDED FOOTWALL BEDS

A disturbed unit consisting of pyroxene, garnet, biotite and calcium hornfels. Calcium hornfels dominates. Some bands of biotite pyroxene hornfels has been disturbed and podding has developed. The unit contains only minor scheelite associated with the garnet rich areas. The unit is not expected to reach ore grade.

14.05 E.O.H.

GEOPEKO LIMITED - KING ISLAND

CHECK ASSAY DATA

D.D.H. BH 525/1

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 3807	0.44	0.02	2451	0.46		2452	0.54		2453	0.62		
BH 3813	0.22	0.01	2454	0.23		2455	0.32		2456	0.27		


DDH BH 525/11
-1405 m.