

SQL/IOE
DRILLING REPORT

on the

FX

BLACK JACK PROPERTY

KINGFISHER CREEK AREA

VERNON MINING DIVISION, B.C.

for

COLBY MINES LTD.

APRIL 1974

4933

Co-Ords: 19+99N - 0+07W

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-1

Azimuth: 325°

Diamond Drill Record

Property: BLACK JACK

Dip: -40°

Drill Type & Size: DR51-AQ

Location: KING FISHER CREEK

Elevation: ~2630'

Dip Tests:

Date Started: Nov 12/73

Length: 302'

Date Completed: Nov 17/73

Section: Core stored on property on FX#21

Logged By: WRS/T.M. OUM WRS

Date Logged: Dec 1/73

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Foliation Angle to Core	% Sulphides
0	30.5	OVERBURDEN - 9.5' of broken rock							
30.5	35	MARBLE - grey-green to white, impure - medium grained - ± phlogopite ± diopside ± quartz - ± minor po.	51	31.5	35	3.5	90%	70°	
35	40	MARBLE - similar to above except more siliceous	52	35	42	7	70%		
40	42	FELDSPATHIC QUARTZITE - pegmatitic & finer grained ± biotite							
42	47	MARBLE - similar to 35'-40'	53	42	47	5	95%		
47	57	MARBLE - greenish to white, relatively pure - phlogopite up to 10% - ± minor altered green matrix mineral(s) - @ 54' shear zone	54 55	47 52	52 60	5 8	90% 65%	60°	

4933

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	foliation
57	60	QUARTZITE - grey, pure, slightly calcareous						
60	90	QUARTZITE - SULPHIDE ZONE - dark green to grey, impure - chlorite, phlogopite & feldspar - minor pegmatitic feldspathic quartzite. - medium to coarse grained sulphides, irregular blebs, only slightly orientated along foliation - po, sp, py	56 57 58 59 60 61	60 65 70 75 80 85	65 70 75 80 85 90	5 5 5 5 5 5	55% 75 95 100 95 100	50 60 50
90	94	QUARTZITE - grey, pure - minor biotite - po blebs	62	90	95	5	55	
94	100.5	FELDSPATHIC QUARTZITE - pegmatite - biotite - + po	63	95	100.5	5.5	90	
100.5	111	ANDESITE DYKE - green, non-foliated	26	100.5	111	10.5	95	
111	132	MARBLE - white, pure + minor quartzite - shear zone 125-131 - sparse po & py - disseminated & on fractures	27 28	111 121	121 132	10 11	65 75	
132	135	MARBLE - green, siliceous - + feldspar = diopside	29	132	139	7	100	

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Fracture
135	139	FELDSPATHIC QUARTZITE - medium to fine grained - ± garnet ± biotite						
139	149	MARBLE - white, pure - phlogopite 5%	30 30	139	149	10	100	
149	168	FELDSPATHIC QUARTZITE - pegmatite - ± quartzite - ± minor biotite - in quartzites - diopside, biotite, altered green mafics & 1% py & po	31 32	149 160	160 172	11 12	100 100	
168	172	MARBLE - green, impure - siliceous ± diopside						
172	220	MARBLE - grey to white, pure - ± minor quartzite - ± muscovite, phlogopite - minor po & py	33 34 35 36 37	172 180 190 200 210	180 190 200 210	8 10 10 10 10	100 100 95 100 100	70° 60°
220	230	QUARTZITE - impure - gneissic, calcareous, pegmatitic sections - po & py 2%	38 39	220 228	228 239	8 11	100 100	50° 80°
230	234	QUARTZITE - grey, relatively pure - 1% - 3% po & py						
234	236	FELDSPATHIC QUARTZITE - pegmatite						

Co-Ords: 19+47N - 0+61W

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-2

Azimuth: 350°

Diamond Drill Record

Property: BLACK JACK

Dip: -43°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: ~2630'

Dip Tests:

Date Started: Nov 18/73

Date Completed: Nov 21/73

Length: 201'

Logged By: W.R. Ginnor W.R. Hill

Section:

Date Logged: Dec 1/73

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Highly Dyke rock
0	16	OVERBURDEN - 5' of broken rock						
16	18	FELDSPATHIC QUARTZITE - pegmatite	64	16	18	2	100%	
18	48	MARBLE - SULPHIDE ZONE - dark green to white, splatky & speckled - phlogopite up to 20% - po, py - splatky aggregates of sulphides - sp @ 22 & 31-33' - shear zone @ 41' - po, py, sp	65 66 67 68 69 70	18 23 28 33 38 43	23 28 33 38 43 48	5 5 5 5 5 5	100 90 100 100 100 100	
48	53	FELDSPATHIC QUARTZITE - pegmatite - sulphides < 1%	71	48	53	5	100	
53	73	MARBLE - SULPHIDE ZONE - similar to 18-48, except more pure, white marble	72 73 74 75	53 58 63 68	58 63 68 73	5 5 5 5	100 75 90 95%	

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation				
73	80	ANDESITE DYKE - green, non foliated - fault zone		73	80	7	50%					
80	100	FELDSPATHIC QUARTZITE										
80	100	MARBLE - green to white - siliceous with altered green mafic minerals		80	90	10	65%					
				90	100	10	85					
100	142	FELDSPATHIC QUARTZITE ± slightly calcareous feldspathic quartzite + minor pegmatite ± gneissic bands - ± minor py & pp - ± garnet & biotite		100	110	10	95	80°				
142	153	GNEISS - biotite, quartz, feldspar, garnet - po & py about 1% (disseminated) - siliceous gneiss grading into calcareous rock		142	153			70° to 80°				
153	186	MARBLE - white, plane										
186	193	GNEISS - biotite, quartz, feldspar - calcareous - 1% - 3% diss. po & (py)			190			80°				
193	196	MARBLE - grey white - siliceous - 4% po			195			80°				

Co-Ords: 19+00N - 1+13W

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-3

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -40°

Drill Type & Size: PBS1 AR

Location: KING FISHER CREEK

Elevation: ~2630'

Dip Tests:

Date Started: Nov 23/73

Date Completed: Nov 26/73

Length: 249'

Logged By: W.R. Gilman W.R. Johnson

Section:

Date Logged: Dec/73

Purpose:

Footage		Description	Sample No.	Footage		Length	% Recovery	Foliation angle to core
From	to			from	to			
0	12	OVERBURDEN - 1.5' of broken rock						
12	33	GNEISS - biotite, quartz, feldspar ± garnet - ± quartzite bands			@ 14		60°	
					15		80	
					20		50	
					29		45	
					30		50	
					46		70	
33	49.5	MARBLE - pale green to white - ± minor pegmatite - phlogopite 0-15%, chlorite 0-5% - pol %			46		70	
49.5	52	QUARTZITE - grey, pure - no blebs up to 2%						
52	133	SULPHIDE ZONE in QUARTZITE & minor MARBLE - marble at 78-81 98-100	101	52	55	3'	100%	
			47	55	60	5'		20°
			48	60	65	5'		15
			49	65	70	5'		55
			50	70	75	5'		55

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
		108-111 with orange brown garnets	76	75	80	5	100%	
		125-132	77	80	85	5		
		- quartzite & banded quartzite	78	85	90	5		
		- banding parallel with sulphides	79	90	95	5		60
		(med. grained)	80	95	100	5		
		- some coarse grained sulphides	81	100	105	5		40
		- sp & ga 5% - 15%	82	105	110	5		
		- po 5% - 25%	83	110	115	5		
		- sp & ga averages > po in quartzite	84	115	120	5		15
		- narrow band (2' x 6") of pure quartzite	85	120	125	5		60
		at each end of sulphide zone	86	125	130	5		
		- calcite & altered feldspar in quartzite	87	130	133	3		45
		- marble						
		- po 5 - 40%						
		- sp & ga 5 - 10%						
		- diopside up to 10%						
		- phlogopite up to 5%						
133	136	QUARTZITE						
		- grey-green, calcareous						
		- ± m. diopside						
		- po 1%						
		± pegmatite						
136	148	GNEISS						
		- biotite, quartz, feldspar, garnet						
		- increase in calcareous & decrease						
		in biotite through 136-148						
		- foliation of biotite complex-folding						
		- po 1% - 2%						
148	159	MARBLE						
		- light green to white siliceous						
		- biotite 5%						
		± pegmatite						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation				
159	165	GNEISS - biotite, quartz, feldspar, garnet (5%) - more altered, fractured & sheared sections										
165	199	GNEISS - biotite, quartz, feldspar, ± garnet - ± pegmatite - py aggregates & cubes on sporadic vertical fractures		@182				50°				
				187				70				
189	202	GNEISS - biotite, quartz, feldspar, garnet (10%) - pink-red garnets common - px. very sparse - py occurrences same as above - foliations more consistent		@193				60				
				198				70				
				200				80				
202	209	GNEISS - similar to above except altered & sheared - grading into siliceous marble										
209	222	MARBLE - white, pure - biotite 5%, ± minor muscovite										
222	230	MARBLE - green to white, siliceous - biotite 5% - @224 po & sp noted		@223				60°				
230	247	QUARTZITE - grey, pure - increase in fracturing (tending to be vertical) - py on fractures - some banding @ 235-235 with po 1-28										

Co-Ords: 19+00N - 1+13W

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-4

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -65°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: 2630'

Dip Tests:

Date Started: Nov 26/73

Length: 349'

Date Completed: Nov 30/73

Section:

Logged By: W.R. SIMMOUR W.R. Palmer

Date Logged: DEC/73

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Foliation angle to core
0	17	OVERBURDEN - 3' of broken rock						
17	21	MARBLE - pale green to white		17	21	4	90%	
21	30	GNEISS - biotite, quartz, feldspar, garnet - ± minor pegmatite - minor ps (diss. blebs) & py (on fractures)			@ 25 28			30° 60°
30	34	QUARTZITE + quartz		21	51	30	85%	
34	36	MARBLE						
36	51	GNEISS - similar to 21-30'			@ 38 @ 50			60° 60°
51	63	MARBLE - green to white - biotite 5-10%, epidote 1-3% - minor thin quartzite (ps 2%) & siliceous marble						

Footage from to		Description	Sample No.	Footage from to		Length	foliation				
63	80.5	FELDSPATHIC QUARTZITE - pegmatite - ± minor calcareous quartzite & marble bands - minor micaceous sections - marble 70'-71'									
80.5	110	MARBLE - similar to 51'-63' - biotite 5%, diopside up to 5% - @ 97' pegmatite - 80.5-85.5 marble sheared & altered appearance.									
110	132	GNEISS - biotite quartz, feldspar ± garnet - calcareous in places - grading between gneissic quartzite & siliceous gneiss - biotite 5-40%, diopside 5-10% - po 1-3%			@122		60°				
132	140	GNEISS - biotite, quartz, feldspar, garnet (5%) - pyramitic like quartz - foliations of biotite complex									
140	143	MARBLE - green & white, siliceous									
143	146	GNEISS - similar to 110 132-140									
146	149	MARBLE - similar to 140-143 - diopside 10% - diopside up to 5%			@145		70°				

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Foliation
149	150	FELDSPATHIC QUARTZITE - pegmatite						
150	154	MARBLE - impure, siliceous feldspathic - diss. po. up to 5%						
154	156 1/2	QUARTZITE - grey, pure - minor banding			@155			50°
156 1/2	182 1/2	QUARTZITE - SULPHIDE ZONE - banded, grey - minor biotite, diopside - medium grained sulphides parallel banding - 170-175 sp & po - po, sp, py	88 89 90 91 92 93	156 1/2 160 165 170 175 180	160 165 170 175 180 182 1/2	3 1/2 5 5 5 5 2 1/2	100 100 95 90 100 100	60° 55
182 1/2	195	QUARTZITE - greenish grey quartzite - minor banding - ± pegmatitic bands			@188			70°
195	198	MARBLE - green to white						
198	202 1/2	QUARTZITE - similar to 182 1/2 - 195						
202 1/2	217	MARBLE - SULPHIDE ZONE in QUARTZITE & minor MARBLE - marble @ 214 - 217 - quartzite similar to 156 1/2 - 182 1/2 - ± minor pegmatite - po, sp, py	94 95 96	202 1/2 205 213	205 213 217	2 1/2 8 4	100 100 100	50°-70°
217	224	GNEISS biotite, quartz, feldspar, ± garnet			@220			60°

Footage from to		Description	Sample No.	Footage from to		Length	Revey	Foliation	
		- foliations complex							
224	243	GNEISS - biotite, quartz, feldspar, garnet (10%)			@228			60°	
243	256	MARBLE - white, pure - biotite < 5%			@249			60°	
256	267	MARBLE - green to white - diopside 5%, biotite 5% - py 2% (with mafics) - ± quartzite & pegmatite bands			@264			70°	
267	288	QUARTZITE - grey, occasionally banded - ^{submicron} grey, occasionally banded - ± marble bands - sp @ 282 & 288 (2%) - po, py, sp	98 99 100	276 281 286	281 286 291	5 5 5	100 100 95	60 50	
288	298	MARBLE - sulphide zone - green to white - ± biotite, ± diopside - minor sp. - shear @ 297			296	301	5	80	
298	307	QUARTZITE - grey, pure - py & po blebs, traces of sp.			301	307	6	100	
307	349	MARBLE - green & white - biotite up to 15%, diopside up to 10% - minor py, dpo - shear @ 308 - ± quartzite (some banding) & pegmatite			333 339	339 344	6 5		
					@315			60°	
					328			50	
					336			60	

Co-Ords: 18+00N - 1+08W

K. L. DAUGTRY & ASSOCIATES LTD.

Hole No. 73-5

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: 40°

Drill Type & Size: PBSI-AQ

Location: KINGFISHER CREEK

Elevation: ~2630'

Dip Tests:

Date Started: ~~Nov~~ Dec 2/73

Date Completed: Dec 5/73

Length: 318'

Logged By: W.R. GILMOUR W.R. Johnson

Section:

Date Logged: Dec 1/73

Purpose:

Footage From	Footage to	Description	Sample No	Footage from	Footage to	Length	foliation angle to core
0	9	OVER BURDEN					
9	12	MARBLE - green, black siliceous - diopside 10%					
12	17	MARBLE - white, pure					
17	41	FELDSPATHIC QUARTZITE - pegmatite - feldspar > quartz - ± biotite, ± garnet		@34'	37		80° 80
41	51	MARBLE - pale green to white					
51	68	GNEISS - biotite, quartz, feldspar, garnet (10%) - 58-59 sheared, altered section - ± pegmatite bands (feldspar rich)		@52	56		50 80 65
					62		50
					65		60
					68		
68	74	FELDSPATHIC QUARTZITE - pegmatitic & fine to medium grained - ± biotite ± garnet (in non-pegmatite)					

Footage from to		Description	Sample No.	Footage from to		Length		foliation
		usually) - @ 72' - gneissic, altered, sheared						
74	82	MARBLE - green grey to white - phlogopite 0-15% - diopside 0-15% - ± gneissic & siliceous bands - diss. po 5% in green siliceous bands			@ 74			60°
82	86	FELDSPATHIC QUARTZITE - pegmatite - ± quartzite bands - feldspar ≈ quartz						
86	100	SULPHIDE ZONE in MARBLE & minor FELDSPATHIC QUARTZITE 86-88 pegmatite 99-100 pegmatite 88-99 marble - green & white to white - phlogopite 0-10%, diopside 0-20%, ± orange brown garnets	102 103 104	86 91 96 100	91 96 100	5 5 4	100 100 100	60 60 60
100	117	GNEISS - biotite, quartz, feldspar, garnet (5%) - with green & white marble bands to 103' - ± pegmatite bands - grading into quartzite with po (py)			@ 106 108 110			40 20 60
117	130	MARBLE - green to white - diopside up to 15% - @ 125' trace sp with po & py			@ 128			45

Footage from to		Description	Sample No.	Footage from to		Length	foliation				
		- in greenish marble po up to 10% - ± minor quartzite & banded quartzite sections - 118-121 shear zone									
130	153	QUARTZITE - green grey to grey - some calcareous banding - ± pegmatite bands - quartzite contains fair amount of feldspar in places - diss po in impure quartzites @ 145-146 2% Zn with 15% po & py		@134			20				
				138			45				
				143			50				
				146			50				
				152			40				
153	156	MARBLE - green & white - ± diopside, ± phlogopite									
156	174	GNEISS - biotite, quartz, feldspar, ± garnet - up to 5% diss. po. - @ 157 & 160-161 trace galena (P) in thin quartz bands		@166			60°				
				170							
174	183½	GNEISS - similar to above except 10% garnet - garnets up to ¾" - some complex folding		177			50°				
				183			60				
183½	206	ANDESITE DYKE - green, non-foliated - fine grained slightly porphyritic (≤15%) - phenocrysts of plagioclase, Kspar, & dark green mafic mineral - random calcite filled fractures - @ 183½ contact									

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
		- sharp contact - 60° to core & 60° to gneissosity - slight (1/2") chill margin						
206	209	GNEISS - biotite, quartz, feldspar, garnet - altered & sheared - contact with gneiss shear or fault fault zone						
209	222	ANDESITE DYKE - similar to before - contact (shearing @ 40° to core)						
222	226	GNEISS - biotite, quartz, feldspar - py on fractures			@223			75°
226	244	FELDSPATHIC QUARTZITE - pegmatite - ± minor quartzite (some banding) calcareous matrix & gneissic sections - sparse po.			@233			60°
244	254	ANDESITE DYKE - similar as before - py on fractures - @246 strong shear		244	254	10	50%	
254	261	QUARTZITE - grey - ± pegmatite bands - @259 1% Zn with 2% po & py			259 261			80 60
261	272	SULPHIDE ZONE in QUARTZITE & MARBLE - po, py, sp	105 106	261 266	266 272	5' 6'	100 100	

Co-Ords: 16 400 N - 0 + E 1 W

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-6

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -40°

Drill Type & Size: P1351 1/2

Location: KING FISHER CREEK

Elevation: ~2580'

Dip Tests:

Date Started: Dec 5/73

Date Completed: Dec 7/73

Length: 217'

Logged By: W.R. GILMOUR W.R. Gilmour

Section:

Date Logged: DEC/73

Purpose:

Footage		Description	Sample No.	Footage		Length	% Recovery	foliated dyke type				
From	to			from	to							
0	15	OVERBURDEN										
15	54	GNEISS - biotite, quartz, feldspar, garnet - garnet 15-15% - py on fractures - ± minor quartzite & pegmatite bands		15	49	34	75%					
					21			70				
					35			55				
					43			60				
					51			70				
					58			70				
54	65	FELDSPATHIC QUARTZITE - pegmatite & fine-medium grained - ± biotite ± garnet - ± marble bands			68							
65	84	MARBLE - white & green, impure - diopside 0-15%, phlogopite 0-10% - minor quartzite & gneissic bands - minor po						60				
84	100	ANDESITE DYKE - green, non-foliated - slightly porphyritic (feldspars) - @ 84' andesite fragments in marble (calcite)										

Sheet No.

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Platton				
		Subvolcanic - calcite on fractures										
100	115	QUARTZITE - grey, minor banding (calcareous) - ± feldspar - minor impure marble bands			@ 112 @ 114			50° 60°				
115	120	MARBLE - green to white - ± diopside, ± phlogopite										
120	127	FELDSPATHIC QUARTZITE - shear zone with calcite on fractures - ± minor garnet - pegmatite										
127	134	MARBLE - green to white - ± diopside, ± phlogopite										
134	134 159	GNEISS - biotite, quartz, feldspar, garnet - garnet 5-10% - ± pegmatite - @ 142' complex folding - py py on sporadic fractures			@ 136 139 144 150 159			70° 60 65 50 75				
159	160	ANDESITE DYKE - green, non-foliated - fault zone										
160	206	GNEISS - similar to 134-159 - @ 197-200' complex folding			172 180 186 190			50 70 60 50				

Co-Ords: 16 + 17N - 1 + 17E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-7

Azimuth: 284°

Diamond Drill Record

Property: BLACK JACK

Dip: -30°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: ~2580'

Dip Tests:

Date Started: Dec 8/73

Length: 180'

Date Completed: Dec 11/73

Section:

Logged By: WRB, W.R. Johnson

Purpose:

Date Logged: Dec/73

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Foliation angle to core						
0	22	OVERBURDEN - 1' of broken rock												
22	49	FELDSPATHIC QUARTZITE - pegmatitic & some fine to med. grained - biotite ± garnet - minor po blebs - minor py on fractures												
49	54	MARBLE - green to white - diopside 5-15%, phlogopite 5-10%, ± minor biotite - ± siliceous, green marble with 5% po - ± quartzite - broken rock												
54	58	GNEISS - biotite, quartz, feldspar, garnet, hornblende												
58	63	MARBLE - similar to 49'-54'				055								

Sheet No.

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation
63	70	FELDSPATHIC QUARTZITE - fine to medium grained - + biotite + garnet						
70	70 74	MARBLE - white, pure - phlog. pite 10%						
74	76	FELDSPATHIC QUARTZITE - pegmatite						
76	93	MARBLE - similar to 70-74 - trace of magnetite (?) @ 89'			@ 83'			60°
93	94	MARBLE - green to white marble - phlogopite 10% - biotite 0-10%						
94	96	GNEISS - biotite, quartz, feldspar, garnet						
96	109	MARBLE - similar to 93-94 - + minor thin quartzite bands - 105-108 area of shearing						
109	131	GNEISS - biotite, quartz, feldspar, garnet - rock sheared along foliations from 117-131 - minor py on fractures		109	131 @ 110 113 116 121 124 127 131	26	85%	35° 20 55 20 40 10 10

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation					
131	143	QUARTZITE - greenish grey to grey - diopside 0-5% - much fracturing - ± minor thin gneissic & calcareous bands - in more mafic & calcareous rocks up to 5% diop. po.		131	154	23	80%						
143	145	MARBLE - green & white, impure - diopside 20% - quartz 25% - 5% diop. po.											
145	154	QUARTZITE - similar to 131-143			@151			50°					
154	158	QUARTZITE - grey, some banding - ± minor biotite & altered green mafic minerals - probably feldspar & tremolite & diopside. - @156' - 5% po. blebs - minor py on fractures			@156			20°					
158	163	FELDSPATHIC QUARTZITE - pegmatite											
163	180	QUARTZITE - similar to 154-158 - @177-180 5% po. blebs - ± pegmatite			@165			25°					
		END OF HOLE											

Co-Ords: 18+00N - 2+00E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 73-8

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: 45°

Drill Type & Size: PBS1 - AQ

Location: KINGFISHER CREEK

Elevation: ~~2620~~ ~2620'

Dip Tests: 300' -38°

Date Started: DEC 13/73

402' -38°

Date Completed: Dec 18/73

Length: 426'

426' -40°

Logged By: W.R. Gilman W.R. Johnson

Section:

Date Logged: Jan/74

Purpose:

Footage		Description	Sample No.	Footage		Length	% Recovery	foliation angle to wire
From	to			from	to			
0	15	OVERBURDEN - 4' of broken rock						
15	20	MARBLE - green & white (impure & pure) - ± phlogopite & diopside - rock broken			@ 20			45°
20	28	QUARTZITE - SULPHIDE ZONE - sulphides orientated along foliations (no consistent angle of foliations) - sulphides in places concentrated along sporadic fractures - ± diopside - po, py, sp	107	20	28	8	100	25° 60°
28	29	QUARTZITE - grey, pure - ± minor biotite						
29	31	GNEISS - biotite, quartz, feldspar			@ 31			65°
31	43.5	QUARTZITIC FELDSPATHIC QUARTZITE - ± biotite (5%) - pyroxene						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Dip		
435	56	MARBLE - white to green - ± phlogopite ± green altered mafic mineral(s) - fault at 46'		45	50	5	70%			
					@47			55°		
56	66	QUARTZITE - green to grey to white - calcareous - ± clivoid up to 15% - disseminated po & py (5%)								
66	68	GNEISS - biotite, quartz, feldspar, garnet - non-gneissic siliceous sections have diss. po up to 5%			@66			55°		
68	76	MARBLE - mainly pure, white (ie 90% calcite) - ± minor quartzite - phlogopite 0% to 2%			@73			50°		
76	78	FELDSPATHIC QUARTZITE - pegmatite (ie. coarse grained) - ± biotite - feldspar > quartz - rounded feldspar crystals (c. grained) in finer grained quartz								
78	87	QUARTZITE - banded - small, discontinuous calcareous blebs form banding			@80			35°		
					@85			40°		
87	115	MARBLE - white to greenish white marble - ± minor quartzite, gneiss &			@95			65		
					@109			70		

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation					
		pegmatitic sections; mostly all < 1' thick											
		- ± phlogopite 0-20% with little apparent foliation											
115	139	GNETSS		115	139	24	85%						
		- biotite, quartz, feldspar, garnet			@120			65					
		- ± minor quartzite, calcareous quartzite & pegmatitic sections			@123			20					
		- broken rock			@130			60					
		- minor py on sporadic fractures											
139	143	QUARTZITE		139	164	25	80%						
		- relatively pure, grey											
		- ± biotite											
143	156	FELDSPATHIC QUARTZITE			@158			45°					
		- greenish tinge											
		- pegmatitic to medium grained											
		- ± minor biotite											
		- ± minor quartzite											
156	164	QUARTZITE											
		- pure, grey											
		- @158 2% po blebs											
164	177	ANDESITE DYKE		164	177	20 ¹³	20%						
		- non foliated, green											
		- fault zone											
177	179	MARBLE		177	191	14	80%						
		- pure, white											
179	188	FELDSPATHIC QUARTZITE											
		- greenish-grey											
		- ± minor biotite											
		- 183-187 is pegmatite											

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Isolation				
188	220	MARBLE - mainly white, pure - \pm minor phlogopite			@ 193 @ 210			65° 70°				
220	235	QUARTZITE QUARTZITE - mainly green-grey - biotite ; \pm biotite \pm minor diopside + feldspar - calcareous in places - tending to gneissic sections in places - section of 5-10% diss. po (slightly oriented) - 228-229 1% to 2% Zn, 10-15% po d py			@ 222 @ 228			65 70				
235	247	QUARTZITE - white-grey - pegmatitic sections common - @ 241 - 5% po blebs										
247	258	FELDSPATHIC QUARTZITE - fine-medium grained - biotite \pm minor garnets										
258	261	FELDSPATHIC QUARTZITE - pegmatitic - 5% po & py										
261	262	MARBLE - impure, siliceous										
262	277	QUARTZITE - grey, pure - broken rock - 5% po & py - faults @ 264 264 @ 273-276		263	277	14'	40%	55°				

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation				
370		± minor thin (few inches) bands of pegmatitic feldspathic quartzite (feldspar, quartz, biotite ± garnet) - diss. po. up to 5% - in places marble grades into calcareous quartzite										
377	381	FELDSPATHIC QUARTZITE - fine to medium grained - ± biotite, ± minor garnet										
381	387	GNEISS - quartz, feldspar, biotite, garnet - ± thin pegmatitic bands - py on fractures			@ 386			50°-70°				
387	398	MARBLE - white to green & white - ± pegmatite ± f.g. feldspathic quartzite, ± quartzite bands - also green & white siliceous marble, + diopside, 5% po. in places, - ± minor magnetite (?)			@ 390			50°				
398	411	GNEISS - quartz, feldspar, biotite - py on fractures - ± pegmatitic bands			@ 399 @ 401 @ 404 @ 410			60° 80° 70° 65°				
411	426	MARBLE - green & white to white - ± phlogopite, ± diopside - also siliceous greenish marble with diss po. up to 5% - ± minor gneiss, ± minor pegmatite			@ 422			60°				
		END OF HOLE										

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation				
277	297	MARBLE - green & white, speckled appearance - siliceous - + diopside - ± minor pelymatite - diss. po. 5%		277	297	20	90%	60°				
						Q 243						
297	329	MARBLE - white, pure - minor muscovite & phlogopite - minor magnetite (?)				Q 325		70°				
329	335	MARBLE - green & white, impure - diopside, siliceous - similar to 277-297 - ± minor pelymatite @ 332-333 10-15% po & 1% Zn				Q 331		65°				
335	339	FELDSPATHIC QUARTZITE - pelymatite - ± minor biotite (also tending to be coarse grained)										
339	344	FELDSPATHIC QUARTZITE - fine to medium grained - grey-white - + biotite & garnet - minor foliation of biotite in places				Q 342		70°				
344	358	MARBLE - white, pure - ± minor phlogopite										
358	377	MARBLE - green & white, speckled - siliceous, + diopside (up to 10%)				Q 361 Q 376		65° 55°				

Co-Ords: 1E+CON-1+44E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-1

Azimuth: 120°

Diamond Drill Record

Property: BLACK JACK

Dip: -50°

Drill Type & Size: PBS1-AG

Location: KINGFISHER CREEK

Elevation: ~2610'

Dip Tests:

Date Started: Jan. 7/74

Date Completed: Jan. 9/74

Length: 192.5'

Logged By: W.R. GILMOUR

Section:

Date Logged: JAN 174 W.R. Gilmour

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	to dip angle to hole						
0	11	OVERBURDEN - 2' of broken rock												
11	32½	MARBLE - white - @ 21' Zn 1%, S-10% po - @ 32' Zn 1%, S-10% po - ± minor red-brown garnet, ± minor muscovite ± minor spatchy green-black altered mineral(s)		27	40	13	70	10°						
					23'			45						
					30'									
32½	34	QUARTZITE - grey, slightly banded - 5% po blebs												
34	39	MARBLE - white & green - spatchy green-black altered mineral(s)												
39	45	QUARTZITE - grey-green - 15% po - ± feldspar (coarse grained)												

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation					
45	59	MARBLE - white to green - phlogopite up to 10% - ± chlorite - ± minor feldspathic quartzite. & gneissic sections.			@ 49 51			40° 60					
59	62	GNEISS - biotite, quartz, feldspar, garnet			@ 60			50					
62	109	FELDSPATHIC QUARTZITE - pegmatite, also fine to medium grained. - ± very minor garnet, ± very minor marble - tending to quartzite in places - biotite 10%			@								
109	120	FELDSPATHIC QUARTZITE - similar to above, but increase in garnet - very minor py on fractures			@ 112			45°					
120	148	FELDSPATHIC QUARTZITE - similar to above, except medium- grained.			@ 132			30°					
148	158	FELDSPATHIC QUARTZITE - similar to 109-120			@ 150			20°					
158	166	GNEISS - biotite, quartz, feldspar, garnet - pegmatite sections			@ 165			35°					
166	167	MARBLE - white to greenish - phlogopite											
167	168	MARBLE - siliceous, green											

Co-Ords: 2 TLLN - C+55E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-2

Azimuth: 285°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBSI - AQ

Location: KINGFISHER CREEK

Elevation: ~2520'

Dip Tests:

Date Started: Jan 11/74

Date Completed: Jan 12/74

Length: 204'

Logged By: W. R. GILMOUR W.R.G.

Section:

Date Logged: JAN 174

Purpose:

Footage		Description	Sample No.	Footage		Length	% Recovery	Foliation on surface			
From	to			from	to						
0	14	OVER BURDEN - 1 foot of core									
14	26	GNEISS - biotite, quartz, feldspar, garnet - coarse grained quartz & feldspar "eyes"		15	21			60			
26	28	FELDSPATHIC QUARTZITE - pegmatite - minor garnet & biotite - complex foliations in places									
26	47	GNEISS - similar to 14-26		31	38			60			
47	50	QUARTZITE - biotite common - py on occasional fractures - feldspathic in places		49				60			
50	61	GNEISS - similar to 28-47 - garnet up to 10% in places		54				60			

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
61	63	QUARTZITE - calcareous - mica - 5% pc			62'			60°
63	68.5	MARBLE - SULPHIDE ZONE - siliceous & feldspathic throughout - py & pc in impure sections	246 247	63	68.5	55	100%	
				68.5	71.5	3'	100	
68.5	71.5	QUARTZITE - SULPHIDE ZONE - py & pc - feldspathic in places						
71.5	73.5	FELDSPATHIC QUARTZITE - pegmatite						
73.5	88	MARBLE - green-white to white - diopside, quartz, feldspar, biotite, phlogopite total up to 5% - disseminated pc up to 5% in section - 87-88 2 to 5p			87 84			55° 65°
88	89	QUARTZITE - grey, pure						
89	93	MARBLE - similar to 73.5-88			93			60
93	94	QUARTZITE - similar to 88-89						
94	96	MARBLE - similar to 89-93						
96	98	QUARTZITE - similar to 93-94						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	filtrate
98	109	MARBLE - similar to 95-96			105'			70%
109	110	FELDSPATHIC QUARTZITE - fine grained - minor biotite			109			65
110	120	MARBLE - similar to 98-109			113			65
120	158	MARBLE - mainly white, pure - phlogopite 0-15%			123 141			70 65
158	163	MARBLE - similar to 110-120						
163	168	FELDSPATHIC QUARTZITE - pegmatite - ± garnet & biotite						
168	175	MARBLE - similar to 120-158'			169			40
175	184.5	MARBLE - similar to 158-163			170 182			50 60
184.5	190	FELDSPATHIC QUARTZITE - pegmatite & med. to fine grained - ± biotite						
190	204	GNEISS - biotite, quartz, feldspar, garnet - 10' near - fault zone - minor py.			@190 191 204	13'	15%	70

END OF HOLE

Co-Ords: 400 N - C + 45 E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-3

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: FBS1 - AQ

Location: KINGFISHER CREEK

Elevation: ~2530'

Dip Tests:

Date Started: Jan 13/74

Date Completed: Jan 14/74

Length: 140'

Logged By: W.R. GILMOUR

Section:

Date Logged: JAN/74

Purpose:

Footage		Description	Sample No.	Footage		Length	Recovery	log/ft % core
From	to			from	to			
0	14	OVERBURDEN - 2' of core						
14	24	GNEISS - biotite, quartz, feldspar, garnet		@ 16				70°
				22				60
24	30	MARBLE - green & white, impure - diopside						
30	65	QUARTZITE - impure, calcareous - calcareous sections & thin marble bands very common - banding & gneissic foliation common - biotite 0-15% - light green to green black minerals (diopside, tremolite, chlorite, altered feldspar) up to 25% - quartzite grading into feldspathic quartzite in places & garnets - disseminated py & Fe degree, py so common throughout section	258	36	38	2'	100	
					@ 43			75°
					48			70
					53			70
					59			70
					62			75

Footage from to		Description	Sample No.	Footage from to		Length	Platons				
		- sulphides in places more like massive texture. (on small scale) - sulphides 1-2%									
65	79	MARBLE - similar to 30-65 except more calcareous & less siliceous - green & white to white - biotite & phlogopite 0-2% - green minerals 0-2% - disc py & py 0-5%		67	79		65				
							55				
79	84	GNEISS - biotite, quartz, feldspar, garnet - ± marble bands - minor py on some fractures		82			80°				
84	139	MARBLE - greenish white to white - ± quartzite & minor gneiss bands - more pure white marble bands but greenish calcareous quartzite bands still fairly common - these quartzite bands contain 5% disc. py - the siliceous green bands contain garnets - in marbles: biotite & phlogopite 0-2%, altered green minerals 0-10% - ± minor feldspathic quartzite - c. 95° through fold with fold axis approx perpendicular to core axis		87			60°				
				93			70				
				94			50				
				100			55				
				106			80				
				110			55				
				125			55				
				129			75				
				133			65				

Co-Ords: C42N U+93E
 Azimuth: 290°
 Dip: -45°
 Elevation: ~2530'
 Length: 150'
 Section:
 Purpose:

K. L. DAUGHTRY & ASSOCIATES LTD.
 Diamond Drill Record

Hole No. 74-1
 Property: BLACK TACK
 Location: KING FISHER CREEK
 Date Started: Jan 15/74
 Date Completed: Jan 16/74
 Logged By: W.R. GILMOUR
 Date Logged: JAN 174

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	Allyton Sample to Core
0	13	OVERBURDEN - 11' of core					
13	43	MARBLE - impure, green & white - marble similar to that in 74-2 - thin gneissic sections - biotite & phlogopite		@ 19'			50" 65 70
43	45	QUARTZITE - calcareous, feldspathic					
45	49	GNEISS - biotite, quartz, feldspar, garnet - feldspathic sections		46			55
49	67	MARBLE - similar to 13-43		54			50 55
67	72	QUARTZITE - greenish - calcareous		68			55
72	76 1/2	MARBLE - similar to 49-67		76			80

Footage from to		Description	Sample No.	Footage from to		Length	Plata				
76 1/2	78 1/2	FELDSPATHIC QUARTZITE - pegmatite									
78 1/2	85	QUARTZITE - calcareous, quartz - biotite - marble									
85	88	GNEISS - biotite, quartz, feldspar			85 88		60 55				
88	89	QUARTZITE									
89	90	MARBLE - similar to 72-76 1/2									
90	94	GNEISS - biotite, quartz, feldspar - feldspathic quartzite & quartzite			91		60				
94	112	FELDSPATHIC QUARTZITE - pegmatite - biotite 10%									
112	118	GNEISS - biotite, quartz, feldspar, garnet			113		45				
118	123	FELDSPATHIC QUARTZITE - mostly pegmatitic									
123	138	GNEISS - biotite, quartz, feldspar - mica - altered			125 130 135 138		80 80 75 60				

Footage		Description	Sample No.	Footage		Length	Foliation				
from	to			from	to						
138	142	FELDSPATHIC QUARTZITE - pegmatite									
142	150	GNEISS - biotite, quartz, feldspar, garnet - siliceous - altered appearance		143	150		15'	60			
		END OF HOLE									

Co-Ords: 21+00N - 0+41E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-5Azimuth: 290°

Diamond Drill Record

Property: BLACK JACKDip: -45°Drill Type & Size: PBS1-AQLocation: KINBFISHER CREEKElevation: ~2660°

Dip Tests:

Date Started: Jan. 17/74Date Completed: Jan. 18/74Length: 152'Logged By: W. R. GILMOUR W.R. Gilmour

Section:

Date Logged: Jan/74

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Foliation angle to core
0	15	OVERBURDEN - 1 foot of core						
15	17	GNEISS - biotite, quartz, feldspar - minor lpo			@17			55°
17	33½	FELDSPATHIC QUARTZITE - fine grained grading into pegmatite in places - biotite 5%, pol% - minor thin, calcareous sections						
33½	36½	QUARTZITE - grey banded - banding due to buff to pale green calcareous & feldspathic mineral foliations - no sulphides			@34			55°
36½	62	QUARTZITE SULPHIDE ZONE - similar to 33½ - 36½ - grey banded quartzite - no lpo - sulphides (po, so, go, py)	226	36½	40	3½	100%	45°
			227	40	45	5	95	40
			228	45	50	5	100	50
			229	50	55	5	100	55
			230	55	60	5	100	50

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
		form foliations	231	60	64½	4½	100	
62	64½	MARBLE - SULPHIDE ZONE - green & white - shearing @ 64' - @ 64½ massive 2" po, sp, (py)						
64½	68	QUARTZITE - grey, banded			@ 68			55°
68	75	MARBLE + siliceous marble & thin banded quartzite - up to 2% diss. po in places						
75	81	GNEISS - biotite, quartz, feldspar, garnet - minor py on fractures - @ 80½ shearing (¼") @ 30° (@ 70° to foliations)			@ 76			50°
81	87	FELDSPATHIC QUARTZITE - white-grey - pegmatite - minor biotite, garnet, po						
87	105	GNEISS - biotite, quartz, feldspar, garnet - thin pegmatitic sections			@ 87			40°
					88			20°
					90			40°
					92			60°
					96			70°
					103			55°
105	111	FELDSPATHIC QUARTZITE - pegmatite - minor po						

Co-Ords: 24+00N - 2+00E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-6Azimuth: 285°

Diamond Drill Record

Property: BLACK JACKDip: -45°Drill Type & Size: PBS1-AQLocation: KINBFISHER CREEKElevation: ~2680'

Dip Tests:

Date Started: Jan. 18/74Date Completed: Jan. 19/74Length: 167'Logged By: W.R. GILMOUR

Section:

Date Logged: Jan/74

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	Dip angle to			
0	16	OVERBURDEN - 1 foot of core								
16	23	FELDSPATHIC QUARTZITE - pegmatite								
23	36	GNEISS - biotite, garnet - grading into feldspathic quartzite (fine grained & pegmatite) 2 complex folding @ 34-35		@23	30		65° 70°			
36	39	FELDSPATHIC QUARTZITE - biotite 1%								
39	46	MARBLE - white to green - phlogopite up to 75% - chlorite up to 10% - thin patches in green siliceous bedding								
46	51	FELDSPATHIC QUARTZITE - pegmatite & gneiss bands - minor garnet, biotite 10%		@47			55°			

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Dip
51	60	GNEISS - biotite, garnet - complex folding in places			@53'			35°
					56			45
					58			15
60	74	FELDSPATHIC QUARTZITE - ± pegmatite, calcareous quartzite, quartzite						
74	80	MARBLE - minor phlogopite - diss. po 3% in green siliceous bands - minor sp @ 78'						
80	85	GNEISS - biotite, garnet			@81			20
					84			80
85	88	FELDSPATHIC QUARTZITE - minor biotite						
88	90	MARBLE - greenish siliceous						
90	94	FELDSPATHIC QUARTZITE - ± pegmatite, quartzite with some calcareous sections - up to 5% poepy in some calcareous quartzite sections			@92			10°
94	97	QUARTZITE - SULPHIDE ZONE - po, py, sp	235	95	100	5'	100%	
97	100	MARBLE - SULPHIDE ZONE	236		@98			55°
100	102½	FELDSPATHIC QUARTZITE - regained grading into pegmatite - minor sp.	236	100	102½	2½'	100	65

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
102½	106	MARBLE - SULPHIDE ZONE - white to green - ± pegmatite	237	@ 102½ 104	108	5½'	100	50° 10
106	115	QUARTZITE - SULPHIDE ZONE - grey, banding - ± pegmatite	238 239	@ 106' @ 109	113	5	100	20° 50
				@ 111 @ 113				45 25
115	119	FELDSPATHIC QUARTZITE - pegmatite - biotite	265	115	119	4	100	
119	136	QUARTZITE - SULPHIDE ZONE - grey, banded - po > py - alignment of sulphides to form sulphides - py ~ po @ 129-133 - ± green altered c.g. feldspar	240 241 242 243	119 124 129 133 136	124 129 133	5 5 4 3'	95 100 100 100	50° 35 25 15
136	140	MARBLE - SULPHIDE ZONE - phlogopite - ± garnet - ± greenish quartzite	244	136	140	4	100	60° 65°
140	159	GNEISS - biotite, garnet - minor py - generally greiss, more altered appearance than previous sections - 149-159 - 9' seam		149	159	10'	10%	65 65

Co-Ords: 25+00N - 4+94E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-7

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -46 1/2°

Drill Type & Size: PBSI-AQ

Location: KINGFISHER CREEK

Elevation: ~2690'

Dip Tests:

Date Started: Jan. 20/74

Date Completed: Jan. 21/74

Length: 206'

Logged By: W. R. GILMOUR W.R.G.

Section:

Date Logged: JAN/74

Purpose:

Footage From	Footage to	Description	Sample No.	Footage		Length	Blaker Dyke #								
				from	to										
0	14	OVER BURDEN - 1 foot of core													
14	51	FELDSPATHIC QUARTZITE - pegmatite - biotite - minor py on some fractures - @ 18'-25' seam (no core)													
51	61	GNEISS - biotite, ± garnet - altered mica - 59-61 broken ground				51'	70								
61	70	MARBLE - white to green, impure - ± quartzite, pegmatite - up to 5% py in altered, green, siliceous Feldspathic bands				64	50								
70	80 1/2	QUARTZITE - green, slightly siliceous - green to grey - feldspathic & gneissic - slightly calcareous				73	50								
						76	25								

Footage from to		Description	Sample No.	Footage from to		Length	Foliated			
80½	81½	FELDSPATHIC QUARTZITE -pegmatite								
81½	85	QUARTZITE -grey, minor banding			@ 82'		50°			
85	89	FELDSPATHIC QUARTZITE -pegmatite								
89	94½	QUARTZITE -similar to 70-80½ -impure -some banding			@ 90 94		65 15			
94½	99½	FELDSPATHIC QUARTZITE -pegmatite								
99½	101	ANDESITE DYKE -green, non-foliated -@ 99½, contact @ 90°								
101	104½	QUARTZITE -quartz, mica, feldspar -impure -gneissic & feldspathic bands			103		50			
104½	111	FELDSPATHIC QUARTZITE -pegmatite								
111	116	MARBLE -white -phlogopite								
116	131	FELDSPATHIC QUARTZITE -pegmatite & medium grained (± garnet)			129		35'			

Footage from to		Description	Sample No.	Footage from to		Length	foliation			
131	133	GNEISS - biotite - greenish siliceous sections								
133	135	FELDSPATHIC QUARTZITE - pegmatite								
135	144½	MARBLE - white & green - phlogopite & biotite - ± epidote - siliceous in places - up to 5% po in some impure sections		136			65			
				141			60			
144½	146	FELDSPATHIC QUARTZITE - pegmatite								
146	148½	GNEISS - biotite - calcareous, siliceous		147			65			
148½	151½	FELDSPATHIC QUARTZITE - pegmatite								
151½	154	QUARTZITE - impure calcareous, feldspathic, gneissic - banding		152			65			
154	158½	MARBLE - greenish white - slightly feldspathic								
158½	159½	QUARTZITE - grey - some banding		159			60			

Footage from to		Description	Sample No.	Footage from to		Length	% Recovery	Foliation
159	189	QUARTZITE - SULPHIDE ZONE	248	160	165	5'	100	60°
		- blks of sulphides (po, py, sp)	249	165	170	5	100	
		aligned to form foliations	250	170	175	5	100	
		- po > py	251	175	177	2	100	
		- white to gray to greenish color	252	177	178½	1½	100	30°
		- banded & feldspathic (c.g.	253	178½	181½	3	100	
		green altered) quartzite	254	181½	184	2½	100	65°
		- L in sulphides an impure, feldspathic	255	184	189	5	100	
		quartzite			@ 168			45
		- ± tremolite			170			30
		- @ 177½ - ½" thick band of			175			60
		c. grained sp. section			176			10
		- towards end of hole > py			180			65
					188			45
					191			60
189	199	MARBLE - SULPHIDE ZONE	256	189	192	3	100	
		- white	264 257	192	197	5	100	
		- ± minor phlogopite, tremolite	258	197	199	2	100	55°
			257					
199	206	FELDSPATHIC QUARTZITE						
		- pegmatite						
		END OF HOLE						

Co-Ords: 29+07N - 5+37E
 Azimuth: 285°

K. L. DAUGHTRY & ASSOCIATES LTD.
 Diamond Drill Record

Hole No. 74-B
 Property: BLACK JACK

Dip: -45° Drill Type & Size: PB51-AQ Location: KINGFISHER CREEK
 Elevation: ~2810' Dip Tests:
 Length: 151' Date Started: Jan 24/74
 Section: Date Completed: Jan 25/74
 Purpose: Logged By: W.R. GILMOUR w.f. Gilmour
 Date Logged: Jan 174

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Dip angle to Core
0	16	OVERBURDEN - 1 foot of core						
16	36	QUARTZITE - SULPHIDE ZONE - most sulphides blebs orientated along foliation - weathered to pinkish 28' - in places up to 50% sulphides (p, sp, py) - med grained sulphides - tremolite	259 260 261 262 263	16 18 21 26 31	18 21 26 31 36	2 3 5 5 5	80% 70 95 65 100	 @18' 24 28 31 35
36	56	MARBLE - white to green & white - broken ground - E biotite & muscovite - minor po - + calcareous gneiss (+ garnet) sections		36	56	20	25%	 @40 @45
56	59	FELDSPATHIC QUARTZITE - biotite - feldspar, quartz, biotite, garnet						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation				
		<ul style="list-style-type: none"> - feldspar > quartz - feldspar coarser grained than quartz - ± gneissic sections - minor py on fractures 										
59	71	GNEISS <ul style="list-style-type: none"> - similar to 56-59 except 7 in biotite giving foliated appearance - much more light colored than most gneiss - pegmatitic sections - up to 10% garnets in places 			64			60°				
					59			55				
					71			55				
71	80	ANDESITE DYKE <ul style="list-style-type: none"> - contacts sheared - f. grained, non-foliated - thin aphanitic chill margin - probable fault zone - rusty fractures - calcite coating on fractures - disc py 2% plus py on fractures 		71	80	9	35%					
80	99	FELDSPATHIC QUARTZITE <ul style="list-style-type: none"> - pegmatite - gneiss sections - py cubes & aggregates on fractures - ± garnet, biotite @ 81' to 99' in minor quartzite band. 			82'			70°				
					92			45				
					99			40				
99	113	GNEISS <ul style="list-style-type: none"> - biotite, garnet - some appeared appearing section - minor py 			105'			50°				
					110			60				
					112			45				

Co-Ords: 31+32N - 5+13E
 Azimuth: 290°
 Dip: -45
 Elevation: ~2860'
 Length: 163 1/2
 Section:
 Purpose:

K. L. DAUGHTRY & ASSOCIATES LTD.
 Diamond Drill Record

Hole No. 74-9
 Property: BLACK JACK
 Location: KINGFISHER CREEK
 Date Started: Jan 28/74
 Date Completed: Jan 29/74
 Logged By: W. R. GILMOUR W.R. Gilmour
 Date Logged: FEB/74

Footage		Description	Sample No.	Footage		Length	Foliation angle to line				
From	to			from	to						
0	15	OVERBURDEN									
15	61 1/2	MARBLE - white, pure - mostly calcite, medium to coarse grained - ± phlogopite - ± minor chlorite		25			25°				
				36			30				
				51			55				
				61			40				
61 1/2	63	FELDSPATHIC QUARTZITE - pegmatite - biotite (also c. grained)									
63	64	MARBLE - white & green									
64	84	GNEISS ± pegmatite (e.g. feldspar, quartz, biotite) see trans - biotite, garnet - py. coating on some fractures		65			65				
				70			55				
				75			30				
				81			50				
84	100	FELDSPATHIC QUARTZITE - biotite to - mostly b.g., some fine grained		98			50				

Footage from to		Description	Sample No.	Footage from to		Length	blatta				
		(slightly foliated)									
100	100.1	ANDESITE DYKE - f. grained - non foliated									
100.1	101.5	FELDSPATHIC QUARTZITE - pegmatite									
101.5	104	ANDESITE DYKE - contact sheared - py & calcite on fractures									
104	113	FELDSPATHIC QUARTZITE - pegmatite, some fine grained - py coatings on occasional shear fractures			@107		55°				
113	124	MARBLE - white, pure - in places, greenish, siliceous - ± minor biotite			@115 122		50 45				
124	125	QUARTZITE - calcareous, feldspathic - 3% po, py			124		15				
125	126	FELDSPATHIC QUARTZITE									
126	127	ANDESITE DYKE									
127	138	MARBLE ± minor pegmatite - mostly white - + muscovite & altered phlogopite - ± minor diopside - 1% sulphides - @127.5 1% sp, 5% po (py)			132		45				

Footage from to		Description	Sample No.	Footage from to		Length	Notes						
		-@ 133 1% sp, 5% po (py)											
138	145	MARBLE - impure, mica rich - phlogopite & muscovite 20% - ± diopside - 1-2% diss. po		@ 138	145	70'	45						
145	161	QUARTZITE - rock much more fractured than marble - grey, pure - occasional bands - 1% diss po & py - py on occasional fractures - ± biotite		152	157	45	55						
161	163½	MARBLE - white - ± phlogopite - ± garnetite END OF HOLE		161		60'							

Co-Ords: 32 + 39N - 5 + 78E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-10

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PSB1-AQ

Location: KING FISHER CREEK

Elevation: ~2900'

Dip Tests:

Date Started: Jan 31/74

Date Completed: Feb 1/74

Length: 151

Logged By: W.R. GILMOUR W.R. Gilmour

Section:

Date Logged: Feb 1/74

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Relinquish small to core
0	27½	OVERBURDEN - 6' of core						
27½	28½	MARBLE - sulphide zone - green & white, sp, py, sp - py > po	266	27½	28½	1	100	25°
28½	38	FELDSPATHIC QUARTZITE - pegmatite - feldspar > quartz - 1% py, po - disseminated & on fractures						
38	42½	QUARTZITE - SULPHIDE ZONE - grey - minor calcareous sections - ± tremolite	267	38	42½	4½	100	40°
42½	44½	FELDSPATHIC QUARTZITE - pegmatite - feldspar > quartz	268	42½	44½	2	100	
44½	50½	MARBLE - sulphide zone - green & white to white - ± diopside, phlogopite - po > py	269	44½	50½	6	100	40°

Footage from to		Description	Sample No.	Footage from to		Length	Foliation					
50½	51½	FELDSPATHIC QUARTZITE - pegmatite - 1% ps, py										
51½	88	GNEISS - biotite, garnet - minor feldspathic quartzite sections			@53'		40°					
					57		75					
					66		50					
					71		70					
					77		45					
					82		60					
					87		50					
88	92½	MARBLE - white, pure - ± minor muscovite, phlogopite, tremolite			90		45					
92½	101	QUARTZITE - fine grained, grey - slightly foliated - biotite 15% - ± feldspar			95		40°					
					100		55					
101	106	MARBLE - siliceous, gneissic in places - + muscovite & biotite										
106	107	QUARTZITE - grey, pure - calcareous bands - @ 106½, 1% sp.										
107	109½	MARBLE - similar to 101-106			108		35°					
109½	115	FELDSPATHIC QUARTZITE - pegmatite										

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Solubility				
		- feldspar, > quartz - ± biotite										
115	118	QUARTZITE QUARTZITE - calcareous - banding common			Q116'			60°				
118	120	FELDSPATHIC QUARTZITE - similar to 109½-115										
120	123½	QUARTZITE - grey - ± pegmatite - c.g. greenish feldspar in places		122½	129	6½	20%					
123½	129	AND FAULT ZONE - ANDESITE DYKE in MARBLE @ 124 1% sp, 5% pepy										
129	134½	MARBLE - white & brown color - phlogopite & muscovite total 20% - ± diopside - 1% po			Q132			70°				
134½	141	FELDSPATHIC QUARTZITE - pegmatite - ± quartzite										
141	145	QUARTZITE - grey, calcareous - feldspar in places										
145	146	MARBLE - white, pure										

Co-Ords: 30+00N - 5+73E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-11

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBS1-AQ

Location: KING FISHER CREEK

Elevation: ~2840'

Dip Tests:

Date Started: FEB 3/74

Date Completed: FEB 4/74

Length: 170'

Logged By: W. R. GILMOUR W. R. Gilmour

Section:

Date Logged: FEB 74

Purpose:

Footage		Description	Sample No.	Footage		Length	Foliation Angle to Core				
From	to			from	to						
0	15	OVERBURDEN - 2' of core									
15	16	QUARTZITE - calcareous - f.g. biotite 15% - ± diopside, feldspar - 5% diss. po			16		60°				
16	19½	FELDSPATHIC QUARTZITE - pegmatite - ± biotite, garnet									
19½	23	QUARTZITE - similar to 15-16 - biotite & calcite common - ± marble bands - 5% diss. po			21		40				
23	29½	MARBLE - similar texture & appearance to 19½ - 25 except ± in calcite ± in quartz - 5% diss. po			29		35				

Footage from to		Description	Sample No.	Footage from to		Length	Reversy	foliate
29 1/2	33 1/2	MARBLE - greenish white, purer than previous section - ± muscovite						
33 1/2	35	FELDSPATHIC QUARTZITE - pegmatite - feldspar > quartz						
35	44 1/2	QUARTZITE - SULPHIDE ZONE - grey, pure - po esp orientated along foliations - ± tremolite - ± m. pegmatite (44-44 1/2) - po, pt, sp	270 271 272	35 38 1/2 43	38 1/2 43 44 1/2	3 1/2 4 1/2 1 1/2	100% 100 100	
44 1/2	51	GNEISS - biotite, garnet - ± pegmatite			@37 40 @47			50° 45° 60°
51	73	FELDSPATHIC QUARTZITE - mostly pegmatite - garnet, biotite - ± minor gneissic sections		51	@56 73	22'	80%	60°
73	87	GNEISS - ± minor pegmatite sections - biotite, garnet (5%) - some areas of small scale folds			@75 81 86			75 70 70
87	101	MARBLE - white - ± minor phlogopite, tremolite muscovite, chlorite - ± minor quartzite			92 99			55 60

Footage from to		Description	Sample No.	Footage from to		Length	Plucks			
101	108	FELDSPATHIC QUARTZITE - mostly fine grained - biotite, garnet - tending to g. b. in places		104			65°			
108	108½	ANDESITE DYKE - green, non-foliated - highly fractured rock								
108½	110	FELDSPATHIC QUARTZITE - similar to 101-108								
110	115½	MARBLE - white - minor muscovite, phlogopite, amber-colored garnet		111			60			
115½	118½	ANDESITE DYKE - contacts slightly irregular @ 80' - @ 116' - slight banding near contact in chill zone @ 60°								
118½	130	MARBLE - white - minor muscovite, phlogopite, chlorite, tremolite		121			55			
130	133	GNEISS - biotite, garnet		131			45			
133	133.7	ANDESITE DYKE - contacts at 70° not conformable to gneiss								
133.7	170	GNEISS - similar to 130-133		147	170	23	70%			
				149			50			

Co-Ords: 28 + 02 N - 4 + 28 E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-12

Azimuth: 10.5°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: ~2750'

Dip Tests:

Date Started: Feb 6/74

Date Completed: Feb 7/74

Length: 179'

Logged By: W. R. GILMOUR

Section:

Date Logged: Feb 1/74

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Foliation Angle to
0	22	OVERBLINDEN - 1' of core						
22	38½	FELDSPATHIC QUARTZITE - pegmatite & fine grained - biotite < 10%, ± garnet - 36-38½ - Some quartzite with po. py, sp (core ground up)						
38½	86	QUARTZITE - SULPHIDE ZONE - banding & alignment of sulphides - foliation angles non consistent - ± diopside, calcareous in places - some brownish carbonate - chlorite (especially along small shears) & tremolite - feldspars (abundant, greenish) - some calcareous banding - some fractures seem to have control on mineralization. - @ 40-41' - high angle (to core) - thin calcite filled (to 42') - shear with apparent displacement along shear. - po. py, sp	273 274 275 201 202 203 204 205 206 207	38½ 43 48 53 58 63 68 73 78 83	43 48 53 58 63 68 73 78 83 86	4½ 5 5 5 5 5 5 5 5 3	75% 100 100 100 100 100 100 100 100 100	
					86	90		50
					90	94		15
					94	98		55
					98	100		15
					100	100		15
					100	100		15

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Bluckin
					64			45°
					68			20
					72			15
					76			30
					80			45
					84			50
86	106	MARBLE - SULPHIDE ZONE	208	86	91	5	100	
		- white with 0-5% sulphides	209	91	96	5	100	
		- essentially non foliated	219	96	99	3	90	
		- phlogopite, diopside	211	99	101½	2½	90	
			212	101½	106	4½	95	
					@96			15°
					103			10
106	126½	QUARTZITE - SULPHIDE ZONE	213	106	111	5	100	
		± m. - pegmatite (@ 117 marked pegmatite)	214	111	113	2	100	
		- similar to 38½-86	215	113	116	3	100	
		- altered greenish feldspars	216	116	121	5	95	
		(up to 1½") common in some sections	217	121	125	4	100	
			218	125	126½	1½	100	
					@107			15
					111			40
					115			80
					119			25
					123			35
126½	139	MARBLE - SULPHIDE ZONE	219	126½	132	5½	100	
		- similar to 86-106	220	132	139	6	100	
		- marked increase in go.	221	138	141½	3½	20	
		- ± minor amber colored garnet	222	141½	145½	4	100	
			223	145½	147	1½	100	
139	147	QUARTZITE - SULPHIDE ZONE			127			60
		- similar to 106-126½			131			45
		- feldspars also aligned			135			45
					142			15
					146			45

Co-Ords: 28+88N - 4+43E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-13

Azimuth: 95°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: ~2770'

Dip Tests:

Date Started: FEB 7/74

Length: 253'

Date Completed: FEB 11/74

Section:

Logged By: W.R. GILMOUR JR.

Purpose:

Date Logged: FEB/74

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	Fluorine % in Core
0	30.5	OVERBURDEN - 3' of core						
30.5	52	FELDSPATHIC QUARTZITE - pegmatite - minor biotite & garnet - broken ground		30.5	52	21.5	30%	
52	63	GNEISS - biotite, garnet - pegmatite veins - broken ground - m. py on fractures		52	63	11	70%	
					@52'			65°
					56			20°
63	137	ANDESITE DYKE - dark green iron-foliated - thin calcite coatings on fractures - py cubes up to 5/8" (cl. and on fractures)		63'	137'	74'	50%	
137	138	GNEISS - altered, fractured - biotite, garnet			137			35°

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Flitch
138	142	ANDESITE DYKE - similar to 63-137		138	142	4'	15%	
142	145	GNEISS - biotite, garnet - complex folding - altered & broken rock		142	145	3'	30%	50°
145	167	FELDSPATHIC QUARTZITE - ± garnet & biotite - mostly f.g. to mg. - minor gneissic sections - ground rot as broken		149	159			45° 0° 55°
167	175	GNEISS - biotite, garnet - m. py on fractures ± pegmatitic sections		171	174			40° 10°
175	199	FELDSPATHIC QUARTZITE - f.g. with some pegmatite - biotite 10%, garnet - slight foliation in places - alt. m. gneissic sections		178	190			35° 35° 30°
199	217	GNEISS - biotite, garnet - pegmatitic & siliceous sections		200	203			50° 10° 25°
217	219	MARBLE - greenish white - siliceous		212	216			55° 65°
219	221	QUARTZITE - grey to green-grey - some feldspathic (?) & calcareous - banded		220				50°

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Platm
221	222 $\frac{1}{2}$	FELDSPATHIC QUARTZITE - mostly f.g. - biotite 15%						
222 $\frac{1}{2}$	224	MARBLE - sulphide zone, po, py, sp - greenish white - phlogopite & diopside	224	222 $\frac{1}{2}$	224	1 $\frac{1}{2}$	100	20°
224	225	FELDSPATHIC QUARTZITE - pegmatite	225	224	225	1	100	
225	230	MARBLE - similar to 222 $\frac{1}{2}$ -224	176	225	230	5	100	40°
230	235 $\frac{1}{2}$	QUARTZITE - sulphide zone, po, py, sp - calcareous, grey - with marble sections - altered greenish feldspars	177	230	235 $\frac{1}{2}$	5 $\frac{1}{2}$	100	35°
235 $\frac{1}{2}$	240	QUARTZITE - sulphide zone - grey, pure - po blks dominant & white	178	235 $\frac{1}{2}$	240	4 $\frac{1}{2}$	100	35° 40°
240	245	QUARTZITE - pure, grey						
245	250	FELDSPATHIC QUARTZITE - pegmatite - biotite - quartzite & marble, & quartz bands - altered appearance common - @ 240 $\frac{1}{2}$ " 1" andesite dyke @ 80° core angle			249			50°

Co-Ords: 27+00N -3+42E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 7A-14

Azimuth: 110°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBSI-AQ

Location: KINGFISHER CREEK

Elevation: ~2750'

Dip Tests:

Date Started: FEB 13/74

Date Completed: FEB 19/74

Length: 317'

Logged By: W. R. GILMOUR

Section:

Date Logged: MARCH 1974

Purpose:

Footage		Description	Sample No	Footage		Length	% Recovery	Foliation angle to core			
From	to			from	to						
0	12	OVERBURDEN - 2' of core									
12	45 1/2	FELDSPATHIC QUARTZITE - pegmatite - ± biotite & minor garnet									
45 1/2	64	GNEISS - biotite, garnet - 54-59 fault zone - gneiss commonly altered (esp. biotite), fractured, green-grey color.			(2) 46 48 52 54 74 61	20'	40%	65° 10 10 45			
64	68	FELDSPATHIC QUARTZITE - pegmatite - minor biotite & garnet - fractured biotite									
68	86	GNEISS - biotite, garnet - mineralized to 45 1/2 - 64 - 2' fault & pegmatite feldspathic quartzite			68 72 76 80 84 8			15 10 30 35 35			

Footage from to		Description	Sample No.	Footage from to		Length	foliated
86	89	FELDSPATHIC QUARTZITE - fine grained - biotite & garnet - + gneissic bands.		88	88		35°
89	95	GNEISS - similar to 68-86 - minor py, calcite &/or chlorite on fractures		93	93		50
95	97	FELDSPATHIC QUARTZITE - pegmatite					
97	136	GNEISS - similar to 89-95 - some pegmatite		97	97		30
				101	101		15
				105	105		0
				109	109		0
				113	113		5
				117	117		15
				121	121		15
				125	125		15
				128	128		35
				133	133		10
				136	136		10
136	138 1/2	FELDSPATHIC QUARTZITE - @ 136' - Sharp contact @ 70° - @ 138 1/2' - grain @ 45° - white @ 35° - with direction of dip different - possible sharp contact! - trending to quartzite in places					
138 1/2	143	GNEISS - feldspathic, siliceous sections - biotite (greenish, altered) & garnets		140	140		30°

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Blockin
143	148	QUARTZITE - gneissic - grey color - 45% biotite			@145			90°
148	182	GNEISS - similar to 138 1/2 - 143 - siliceous & feldspathic sections - biotite & garnet - biotite - greenish & shearing common - minor py & calcite fracture		149 153 157 161 167 171 175 179				10 20 20 10 20 5 0 5
				161	166	5'	30%	
182	196	FELDSPATHIC QUARTZITE - pegmatite (feldspar crystals up to 1 1/2") - minor c.g. biotite - 60% feldspar, rest quartz						
196	204	FELDSPATHIC QUARTZITE - f.g. to mg. - 10% "disseminated" biotite - very slight foliation in places			202			60°
204	225	FELDSPATHIC QUARTZITE - pegmatite			219			40°
225	237	MARBLE - grey & white marble - chlorite, epidote, biotite, calcite - in thin veins - contact @ 225 - amphibole NW sharp			223 229 234			50 30 70

Footage from to		Description	Sample No.	Footage from to		Length	Dipping	Foliation
237	243	MARBLE - pure, white - minor phlogopite & muscovite			@242		55°	
243	253	MARBLE GNEISS - highly altered, fractured & crumbly - with thin marble bands		243	246 250 253	10	60 65 90%	
253	260	MARBLE - mostly pure, white - with feldspathic sections (feldspar c. grained & altered)		@255			60	
260	269	QUARTZITE - greenish-grey color - calcareous, feldspathic (f.g. to c.g.) & banded		263	264 264 266	1	10% 40° 65	
269	273	MARBLE - impure, green-grey - siliceous - diopside, chlorite, m. disc pe & py			270		75°	
273	275	FELDSPATHIC QUARTZITE - pegmatite						
275	282	MARBLE - similar to 269-273			277		60	
282	288	GNEISS - similar to 243-253 - pegmatite sections			285		60	
288	292	MARBLE - oreitic, green-grey, impure - siliceous			289		60	

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
292	307	QUARTZITE	195	300	305	5	100	
		- minor sulphide zone (py, py, sp, ga)			@ 296			40°
		- mostly pure, grey, with only slight, occasional banding			300			40
		- ± altered green, e.g., feldspathic sections			304			35
		- occasionally calcareous			308			35
		- sulphides occur as rounded blebs orientated along foliation						
		- in places py 7 ps; 0-5% sulphide						
		- @ 301 1% sp						
		- @ 305 tr sp, tr ga						
		- @ 302 vuggy, subbedal quartz						
307	314	QUARTZITE						
		- green-grey						
		- feldspathic						
		- 5-10% biotite						
314	317	MARBLE			@ 316			60°
		- green & white, impure						
		- impure						
		- similar to 275-282						
		"						
		END OF HOLE						

Co-Ords: 26+00N - 2+94E

K. L. DAUGHTRY & ASSOCIATES LTD.

Hole No. 74-15

Azimuth: 110°

Diamond Drill Record

Property: BLACK JACK

Dip: -40°

Drill Type & Size: PBS1-AQ

Location: KINGFISHER CREEK

Elevation: ~ 2730'

Dip Tests:

Date Started: Feb 20/74

Date Completed: Feb 21/74

Length: 235'

Logged By: W. R. GILMOUR W. R. Gilmour

Section:

Date Logged: MARCH 1974

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	Angle to Core
0	17	OVERBURDEN - 3' of core					
17	21	FELDSPATHIC QUARTZITE - pegmatite - + biotite & garnet					
21	43	GNEISS - biotite, garnet - + pegmatitic sections - minor py on fractures		@21'			5°
				28			15
				32			10
				40			20
43	56	FELDSPATHIC QUARTZITE - pegmatite - biotite, garnet					
56	88	GNEISS - biotite, garnet - a few zones of fractured rock		57			45°
				61			20
				65			5
				71			15
				77			20
				83			15
				87			0

Co-Ords: 22+00N - 2+00E

K. L. DAUGTRY & ASSOCIATES LTD.

Hole No. 74-17Azimuth: 290°

Diamond Drill Record

Property: BLACK JACKDip: -45'Drill Type & Size: PBS1-AQLocation: KING FISHER CREEKElevation: ~2660'

Dip Tests:

Date Started: Feb 28/74Date Completed: March 2/74Length: 349Logged By: W.R. GILMOUR W.R. Gilmour

Section:

Date Logged: MARCH 1974

Purpose:

Footage From	Footage to	Description	Sample No.	Footage		Length	% Recovery	To take order to core			
				from	to						
0	26	OVERBURDEN - 1' of cone									
26	36	ANDESITE DYKE - grey-green, non-foliated - minor diss. py - Calcite coating on fractures - fractures common - minor rounded phenocrysts of feldspar									
36	37	FELDSPATHIC QUARTZITE - pegmatite - feldspar crystals in quartz intergrowth									
37	40	MARBLE - green & white, medium grained - impure - siliceous, deep red, chert - ± pegmatite - spotted appearance not black - @ 133, 5 1/2 py (fractures)		38	45	7	60%				
40	41	ANDESITE DYKE - similar to 26-36									

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
88	99	FELDSPATHIC QUARTZITE - biotite, pyroxene garnet - pegmatite		91	99			35° 30
99	102	GNEISS - biotite, garnet		101				5
102	118 $\frac{1}{2}$	FELDSPATHIC QUARTZITE - pegmatite - almost no mafics - minor py on fractures						
118 $\frac{1}{2}$	122	FELDSPAR PORPHYRY, DYKE (DACITE) - gray-green color - white, subhedral feldspar phenocrysts up to $\frac{1}{2}$ " - calcite in fractures - py cubes 2% - ground mass greenish, siliceous - contact @ 118 $\frac{1}{2}$ - 25° @ 122 ~15° but irregular - quartz 15%						
122	125	FELDSPATHIC QUARTZITE - pegmatite - similar to 102-118 $\frac{1}{2}$						
125	127	QUARTZITE - SULPHIDE ZONE - impure, dark green - chlorite, subhedral feldspar - 15% py	179	125	128 $\frac{1}{2}$	3 $\frac{1}{2}$	100	
127	128 $\frac{1}{2}$	MARBLE - SULPHIDE ZONE - 25% py, rest of rock mostly calcite - minor phlogopite & diopside						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	dip
128½	132½	MARBLE - mostly white, pure - 1% po & py - muscovite & chlorite	180	128½	132½	4	100	20°
					@131			
132½	134	MARBLE - SULPHIDE ZONE - similar to 127-128½ - @ 134' - ½" chlorite shear @ 35° with 3% sp - po, py, sp	181	132½	134	1½	100	
134	142	FELDSPATHIC QUARTZITE - pegmatite						
142	189½	QUARTZITE - SULPHIDE ZONE - similar to 160-189' in 74-7 - disseminated blebs of sulphides along foliations - in places sulphides more massive & not so strongly orientated, also in few fractures & shears - buffed greenish f.g. to c.g. feldspar - ± minor biotite - banding common - pale green altered minerals (feldspar?) & chlorite - minor calcite - up to 5% greenish minerals plus - py, po in places - po, py - sp in places - sp, po & py occ. occasionally	182	142	147	5	95	
			183	147	152	5	95	
			184	152	157	5	95	
			185	157	162	5	100	
			186	162	167	5	100	
			187	167	172	5	100	
			188	172	177	5	100	
			189	177	182	5	95	
			190	182	187	5	95	
			191	187	189½	2½	100	
					@142			45°
					146			25
					153			20
					157			30
					162			0°
					166			10
					170			5
					174			10
					178			20
					182			15
					186			10
					189			15

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation
189 $\frac{1}{2}$	193	QUARTZITE - no banding, low in sulphides - 191-193 minor sulphide zone - po, py, trace sp. - white to grey color - relatively pure	192	189 $\frac{1}{2}$	193 193'	3 $\frac{1}{2}$	95	45°
193	196	FELDSPATHIC QUARTZITE - m. grained & pegmatitic - minor quartzite band with po, py, sp - contact @ 193' appears to be truncated (20°) - contact @ 196' conformable	193	193	196	3	95	
196	198 $\frac{1}{2}$	QUARTZITE - SULPHIDE ZONE - grey, no banding	194	196	198 $\frac{1}{2}$ @197	2 $\frac{1}{2}$	95	65°
198 $\frac{1}{2}$	203	QUARTZITE - pure grey - grading into pegmatite						
203	205	FELDSPATHIC QUARTZITE - pegmatite - marble bands						
205	207	MARBLE - green-grey, impure - siliceous			@205			60°
207	210	FELDSPATHIC QUARTZITE - pegmatite						
210	216	QUARTZITE - green-grey color - impure, siliceous, feldspathic - pure			211 215			60 35

Co-Ords: 24100N - 3185E

K. L. DAUGHERY & ASSOCIATES LTD.

Hole No. 74-16

Azimuth: 290°

Diamond Drill Record

Property: BLACK JACK

Dip: -45°

Drill Type & Size: PBS1 - AQ

Location: KING FISHER CREEK

Elevation: ~2680'

Dip Tests:

Date Started: Feb 22/74

Date Completed: Feb 24/74

Length: 152

Logged By: W. R. GILMOUR

Section:

Date Logged: FEBRUARY 1974

Purpose:

Footage From	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Recovery	foliation angle to core
0	16 1/2	OVERBURDEN - 1' of core						
16 1/2	29	MARBLE - impure, green & white - epidioric & feldspathic - diopside, chlorite & altered green matrix		27	28	13		60° 55° 60°
29	34	FIELDSPATHIC QUARTZITE FELDSPAR PORPHYRY DYKE (DACITE) - pale grey color - feldspar phenocrysts up to 1/4" - flow banding in places - amorphous oxides - secondary calcite common - D 31 minor impure marble - contact @ 29" is irregular - quartz 15%		27	40	13	80%	65°
34	35	FELDSPATHIC QUARTZITE - greenish - biotite & garnet						
35	43 1/2	MARBLE - pure to impure			38			60°

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Foliation			
		- phlogopite & biotite up to 15% - ± minor gneissic bands - siliceous in places (up to 5% diss. po & py)								
43 1/2	52	FELDSPATHIC QUARTZITE - pegmatite - biotite 5-10%								
52	66 1/2	GRAPHITIC QUARTZITE - pres. graphite up to 15% aligned along foliations - some banding - ± biotite, pyroxide, altered pale green feldspars(?) - diss. po		54'			50°			
				58'			40			
				62'			50			
				66'			35			
66 1/2	70	FELDSPATHIC QUARTZITE - fine grained - biotite, garnet - foliation of biotited				69		65		
70	83	MARBLE - white, 90% calcite - ± minor gneiss & siliceous bands ± minor phlogopite & muscovite				74		60		
						79		45		
83	84	GNEISS - garnet, biotite				84		40		
84	93	MARBLE - white, 90% calcite - biotite 10%, ± pyroxide				89		50°		
93	104	QUARTZITE - calcareous & gneissic				94		55		
						99		50		

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	foliation
		- white up to 20% ± garnets, ± diopside & hornblende ± thin impure marble bands - po up to 5% in places		@104'				50°
104	109	FELDSPATHIC QUARTZITE - pegmatitic - ± biotite & minor garnet - siliceous matrix - 108-109 - calcareous, fractured, altered.		107				45
109	120 1/2	MARBLE - mostly white - some impure altered, greenish marble - fractured rock		109	120 1/2	11 1/2	60%	
120 1/2	125	GNEISS - fault zone - highly fractured & altered		120 1/2	125	4 1/2	30%	
125	130	ANDESITE DYKE - highly fractured - green-grey color - 4% diag. py - calcite filling fractures - fault zone		125	130	5'	30%	
130	133	GNEISS - similar to 120 1/2 - 125		130	136	6'	55%	
133	138	MARBLE REMOVED - impure green & white - gneissic & siliceous - highly altered & fractured		@134 138				65° 55

Footage from to		Description	Sample No.	Footage from to		Length	Foliation					
47	59	QUARTZITE - grey, pale (90% quartz) - 1% po & py (up to 5% in places) - occasional, slight banding - py ~ po - very minor calcareous & feldspathic bands		@ 50'			70° 65 80					
59	61½	QUARTZITE - strongly calcareous, also slightly gneissic in places - green to grey color - minor marble bands - biotite, diopside, chlorite - 2% diss po & py										
61½	63	GNEISS - biotite garnet - most structures chloritic & sheared		@ 62			60°					
63	65	FELDSPATHIC QUARTZITE - pegmatitic - biotite & garnet total ~ 10% - minor quartz bands										
65	72½	GNEISS - similar to 61½-63 - relatively consistently foliation angle - quartz & feldspar ~ py feldspar - quartz in other sections - py fairly common (mostly in fractures)			65 70		75 75					
72½	74½	FELDSPATHIC QUARTZITE - pegmatitic - minor biotite & garnet										

Footage from to		Description	Sample No.	Footage from to		Length	Foliation				
96	98	MARBLE - white to green & white - chlorite, biotite total 10% - 96-96 1/2 fractured, gneissic, calcareous rock - fragments of clays in calcite									
98	99	GNEISS - biotite, garnet			@ 99		75°				
99	100	QUARTZITE - green-grey, impure - calcareous, slightly gneissic - diopside, chlorite, calcite - 3% po									
100	103	MARBLE - mostly white - phlogopite 10% - minor quartzite bands - minor buff colored f.g.d dolomite(?)									
103	104	FELDSPATHIC QUARTZITE - pegmatite - biotite									
104	121 1/2	QUARTZITE - impure - calcareous, feldspathic - or pure marble & pegmatite bands common - some relatively pure grey banded quartzite - general altered, crumbly appearance - chlorite, altered c.g. feldspars - biotite, phlogopite, muscovite noted			@ 104 115		50 75				

Footage from to		Description	Sample No.	Footage from to		Length	tilt					
		- more irregular bands & masses of quartz & feldspars - muscovite & biotite & c.g. altered feldspars.										
165 $\frac{1}{2}$	168 $\frac{1}{2}$	MARBLE - similar to 158-163			@166		60°					
168 $\frac{1}{2}$	170	GNETSS - biotite - minor po										
170	181	FELDSPATHIC QUARTZITE - f.g. to c.g. id. - biotite 15% - gneissic bands in some sections - commonly more siliceous than most feldspathic quartzites. - gives appearance of more like a meta-sed. than other sections which look more like intrusive pegmatites - @ 170-171 - 15% po - m. po. dis. throughout			@174		45					
181	182 $\frac{1}{2}$	GNETSS - biotite, garnet - small scale folding			@182		40°					
182 $\frac{1}{2}$	190 $\frac{1}{2}$	MARBLE - mostly white, 90% calcite - phlogopite & muscovite 5% - minor diopside & quartz										
190 $\frac{1}{2}$	193	FELDSPATHIC QUARTZITE - f.g. through to c.g. - biotite 10% - feldspar & quartz			@191		70°					

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	% Quartz	Foliation
193	196	QUARTZITE - grey & green, impure - calcareous, pegmatite, gneissic - 5% diss. pb. - diopside, chlorite						
196	198	QUARTZITE - grey, pure - slightly banded - 2% pb (py)						
198	201½	QUARTZITE - SULPHIDE ZONE - grey, pure, banded - pb, py, sp, go - sudden change in foliation angle (fold axis) - 6% pb, 4% py - sp. high Fe content	196	198	201½	3½	100%	40
					@197			40
					199			5°
					201			25°
201½	206	QUARTZITE - pure, grey - slightly banded - c - 2% pb, py						
206	208½	QUARTZITE - similar to 201½-206 - except 8% pb, py - thin pegmatite bands (with minor py) - chlorite, biotite - fr. sp. 206-207 - sulphides medium grained on average, (very few f.g. sulphides) - sulphides aligned to form marked foliations			@206			25
					211			75
					216			60
208½	214	MARBLE - green & white, impure						

Footage from to		Description	Sample No.	Footage from to		Length	to take				
		<ul style="list-style-type: none"> - impure quartzite bands - top is commonly altered & sheared - biotite, diopside, chlorite & quartz 									
214	221 $\frac{1}{2}$	<p>MARBLE</p> <ul style="list-style-type: none"> - mostly white, pure - with impure, siliceous & gneissic bands - minor phlogopite & muscovite - @ 221 a 1" band of gneiss surrounded symmetrically by $\frac{1}{2}$" bands of calc-silicate quartzite & then by white marble - forming due to metamorphic reactions? 			Q221		60				
221	237	<p>QUARTZITE</p> <ul style="list-style-type: none"> - impure - calcareous, gneissic & feldspathic as well as bands of marble, gneiss, pegmatite, pure quartzite - overall green grey to green-white color - biotite, chlorite, green calc-silicates (diopside & probably tremolite), quartz, feldspar - up to 5% diss pe mostly commonly in calc-silicate, calcareous quartzites - rock actually thin (several inches wide) bands of great variety of rock types but general is a calcareous quartzite 			230 235		70 55				
237	238	<p>MARBLE</p> <ul style="list-style-type: none"> - white, pure - very minor phlogopite & muscovite 									

Footage from	Footage to
308	
310	
311 1/2	316
314 1/2	
317	
319 1/2	

Footage from	Footage to	Description	Sample No.	Footage from	Footage to	Length	Recovery	Foliation
238	242	QUARTZITE - similar to 163-165 1/2 - feldspathic - grading into pure quartzite.						
242	244 1/2	QUARTZITE - pure, grey - @ 244 fr sp, 5% po & py						
244 1/2	259	QUARTZITE - SULPHIDE ZONE - po, py, sp, (gr) - grey, pure - some banding & feldspathic sections - ± m pegmatite bands (~6' wide) generally poorly mineralized - 253-259 strong banded quartzite - discontinuous banding (feldspar) - bands 1-2 mm wide - parallel - sulphide bands - spacing of sulphide bands uneven - po = py - sulphides mag'd to c. 40° - sample #197 - 4" pegmatite - sample #198 - 1 1/2" pegmatite - sample #199 - 4" pegmatite, 1" dyke - @ 252 pegmatite cutting quartzite foliation of quartzite @ 60° contact @ 40° - direction of dip ~ 150° different - po & minor sp. in pegmatite - (non foliated) - except @ 252' no pegmatite bands showed definite unconformable contact. - Andesite dyke @ 255 1/2'	197 198 199 200	244 1/2 250 252 255 1/2	250 252 259	5 1/2 2 3 1/2 3 1/2	100% 100% 100%	55' 60 65 65
259	264	QUARTZITE - Sulphide zone (po, py, sp, gr) - similar to 238-242 - impure.	151	259	264	5'	100%	

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Alkalin				
		- up to 50% altered c.y. feldspars - feldspathic ± pegmatite sections - grading into unaltered pegmatite - sp throughout unit	157									
264	265	FELDSPATHIC QUARTZITE - pegmatite - 1% sulphide			265			70°				
265	267½	MARBLE - mostly white, pure - ± phlogopite, muscovite, chlorite - @ 266½ - 1% sp, 5% sp										
267½	270	FELDSPATHIC QUARTZITE - fine-grained - biotite 10% - ± garnet										
270	293	GNEISS - biotite & garnet (up to 10%) - ± minor pegmatite bands - @ 287 & 291 highly fractured rock - fabrications very consistent - thin coatings of py occur on fractures			270 275 280 285 290			80 85 75 75 65				
293	300	MARBLE - white, pure - 95% calcite - some phlogopite & muscovite			295			65°				
300	308	GNEISS - biotite, garnet - also thin bands of marble & pegmatite - very little core			300	308	8'	15%				

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Foliation
308	310	MARBLE - impure, green & white, speckled, siliceous - chlorite, diopside, quartz - 5% disc. - po			@ 308			80°
310	311½	QUARTZITE - grey, 90% quartz						
311½	314½	QUARTZITE - Sulphide Zone (py, py, sp, go) - slightly banded - chlorite & feldspar ~ 15% - po ~ 2 x py - sulphides similar mode of occurrence as 244½ - 2.5%	152	311½	312 314½	3'	100%	70°
314½	317	QUARTZITE - minor intermittent sulphide zone - chloritic alteration & fractured - altered & sheared - marble & pegmatite bands - chlorite & pyrite shear 2" wide @ 317	153	314½	317	2½	80%	
317	319½	MARBLE - white & green - ± chlorite - 0-10% po	154	317	321½ @ 318	4½	90%	70°
319½	321½	QUARTZITE - impure, green color - feldspathic - up to 50% altered e.g. feldspars - calcareous sections - chloritic alteration						

Footage from to		Description	Sample No.	Footage from to		Length	Recovery	Notes
321 1/2	322 1/2	FELDSPATHIC QUARTZITE - fresh, unaltered pegmatite	155	321 1/2	322 1/2	1	100%	
322 1/2	324	QUARTZITE - similar to 319-321 1/2	156	322 1/2	324 (324)	1 1/2	100	45°
324	331 1/2	ANDESITE DYKE - green, non-foliated - slightly more phenocrysts than previous noted in hole - phenocrysts < 2 mm (white & buff colored feldspar) - dark green specks (probably chlorite) - 1/2 inclusion of banded quartzite noted - calcite on sporadic fractures - m. det. py - contact @ 324 @ 50° - dip direction 90° difference - contact @ 331 1/2 @ 50°						
331 1/2	334 1/2	QUARTZITE - impure - feldspathic, calcareous, & banded sections - chloritic - especially near dyke - @ 332 tr sp, 5% po & py			@ 332			70°
334 1/2	349	GNEISS - biotite & garnet - py on fractures			@ 337 345 349			65 65 75
		END OF HOLE						

STATEMENT OF COSTS

A) Drilling

Apex Diamond Drilling Ltd.
5604 feet, AQ \$45,043.07

B) Professional Services & Crew

W.R. Gilmour, geologist 88½ days @ \$55/day Nov. 16/73 - March 31/74	\$ 4,867.50	
K.L. Daughtry, P.Eng. 3½ days @ \$125/day Nov. 18/73, Jan. 13/74, Feb. 27/74, March 4/74	437.50	
E.O. Chisholm, P.Eng. 3½ days @ \$150/day Nov. 16, 26 - 29/73	525.00	
J. O'Neill, Prospector 4 months @ \$2000/month Nov. 10/73 - March 31/74	8,000.00	
	<hr/>	
	\$13,830.00	13,830.00

C) Expenses & Disbursements

Transportation		
Vehicle rental, transportation, etc.	\$2,924.68	
Gas, oil, insurance, maintenance, etc.	2,013.01	
	<hr/>	
	\$4,937.69	\$ 4,937.69
Food and Accomodation		1,848.34
Communications, equipment, telephone		1,591.38
Photocopying, printing, etc.		278.58
Supplies, repairs, etc.		1,785.89
Power house & Generating plant		5,500.00
Office & core storage building		5,000.00
Living quarters, kitchen, washrooms, etc.		15,000.00
		<hr/>
	\$35,941.88	35,941.88
		<hr/>
		\$94,814.95

STATEMENT OF QUALIFICATIONS

I, William R. Gilmour of the City of Vernon in the Province of British Columbia, hereby certify that:

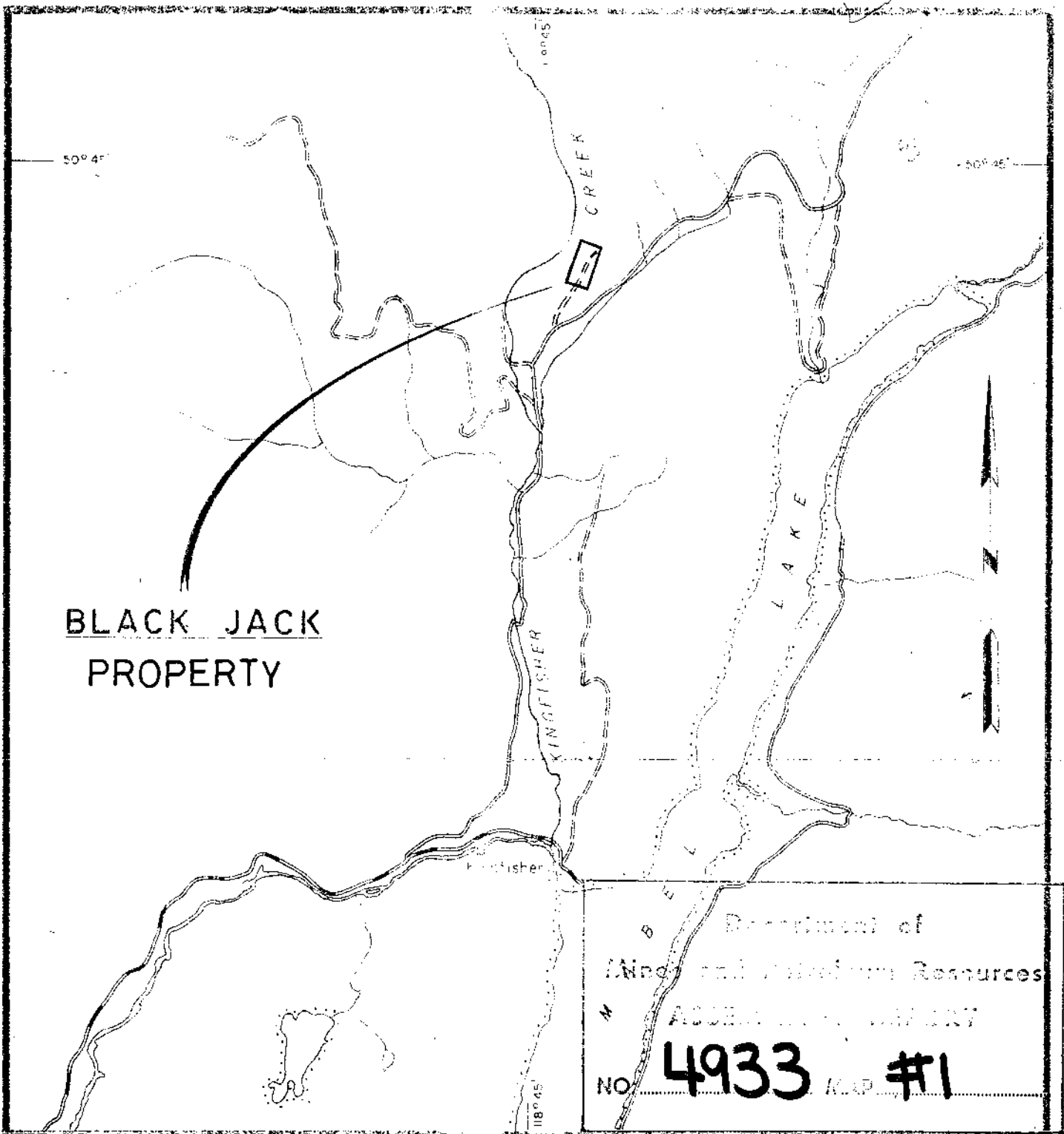
- 1) I am a geologist with residence at 3415 Okanagan Ave., Vernon, B.C.;
- 2) I am a graduate of the University of British Columbia, Bachelor of Science, 1970;
- 3) I have practiced as a geologist in mineral exploration for 3 years in British Columbia;
- 4) I have no direct or indirect interest in either the property or securities of Colby Mines Ltd. or its affiliates nor do I expect to receive any such interest.

Dated at Vernon, B.C.

April 17, 1974

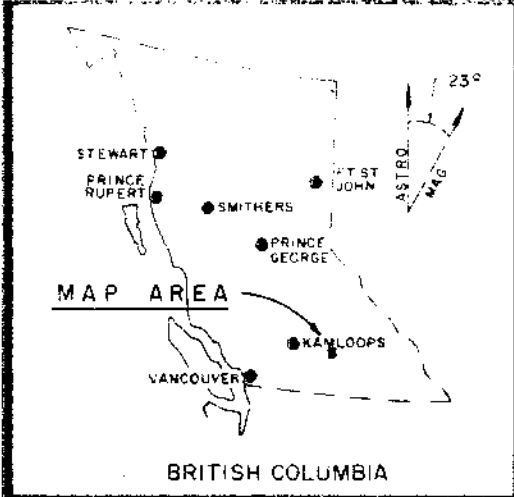


William R. Gilmour



**BLACK JACK
PROPERTY**

Department of
Mines and Technical Surveys
AGENDA
NO. **4933** KOP **#1**



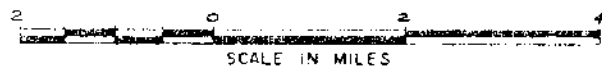
K.L. DAUGHTRY & ASSOC. LTD.

LOCATION MAP
OF

BLACK JACK PROP.

VERNON MINING DIVISION

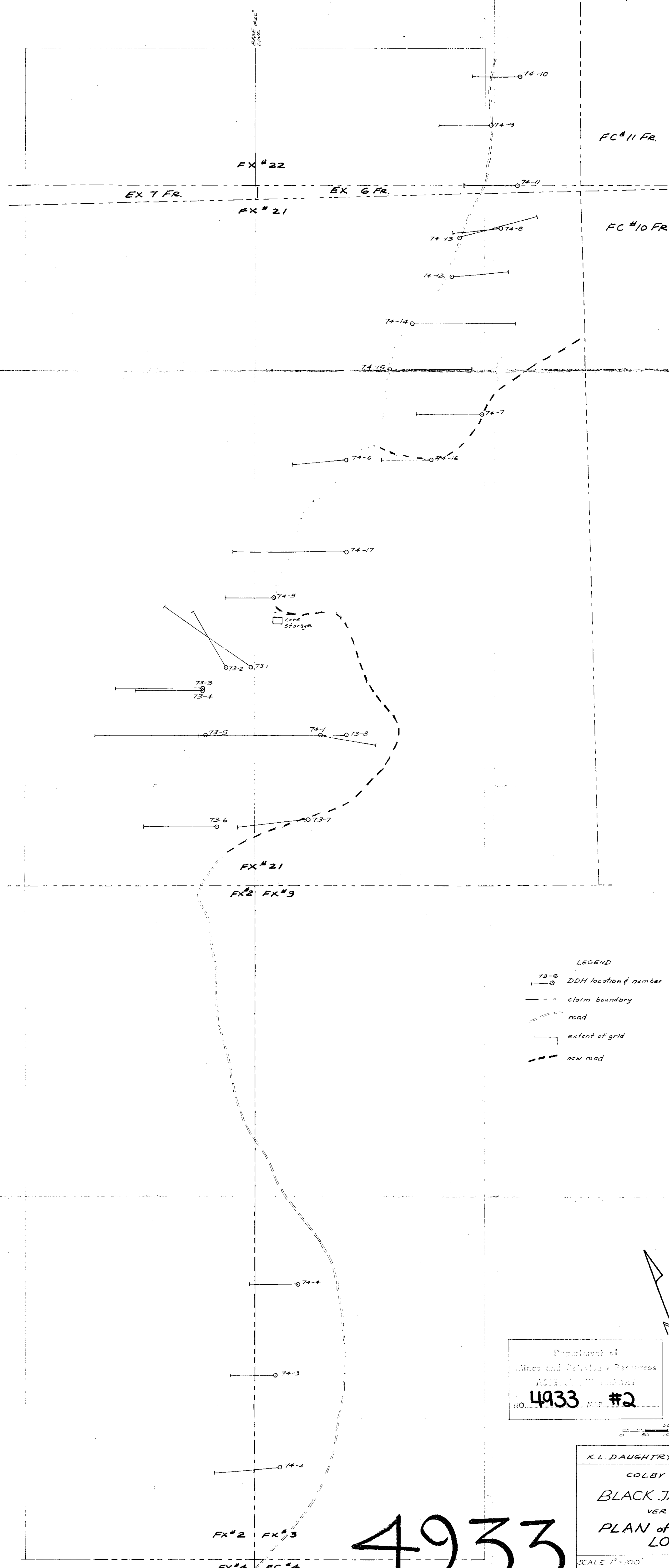
BRITISH COLUMBIA



W.R.G.

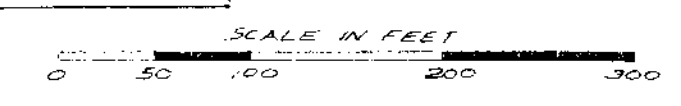
MARCH 1974

DRAWING NO. 1



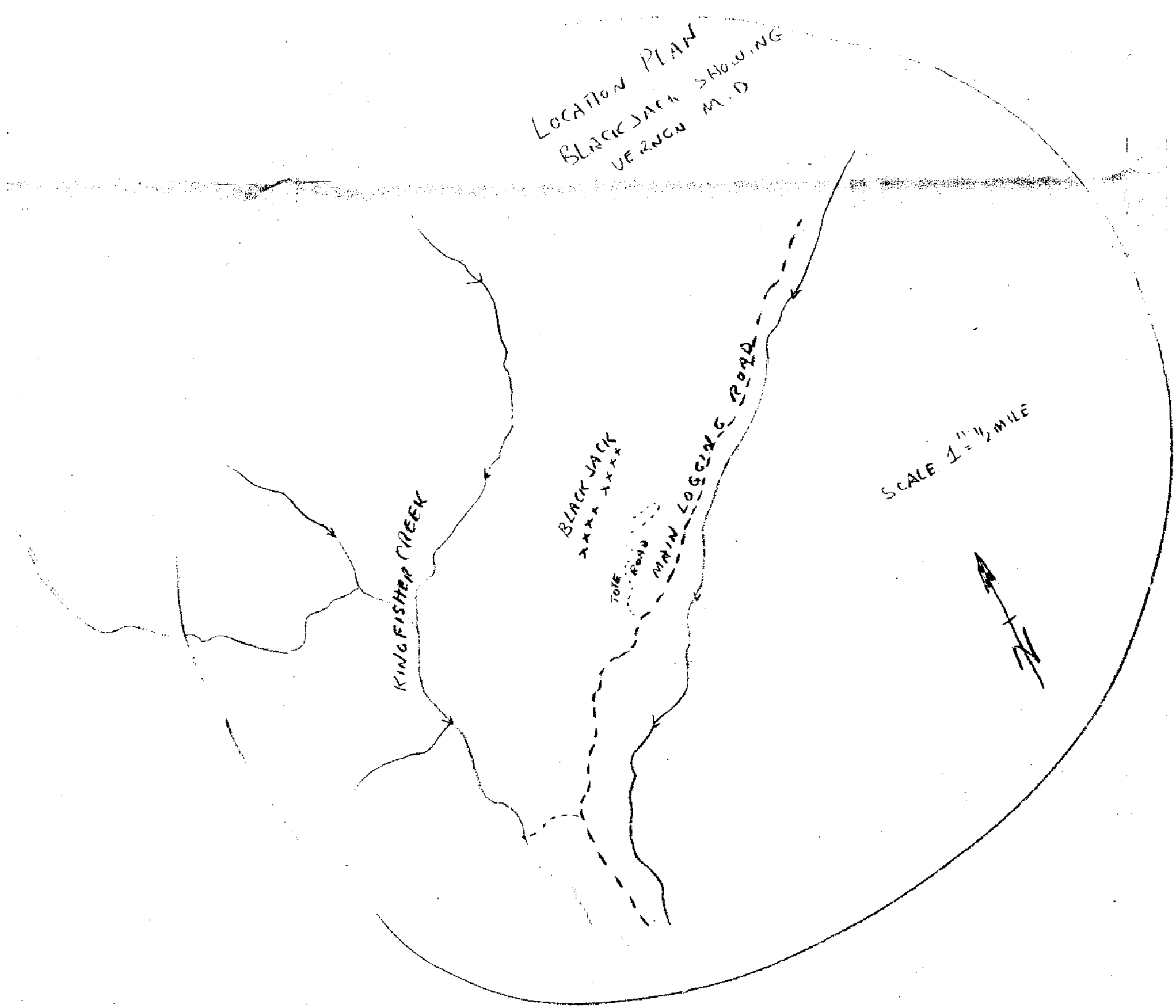
LEGEND
 73-6 DDH location & number
 - - - claim boundary
 — road
 . . . extent of grid
 - - - new road

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 4933 M.P. #2

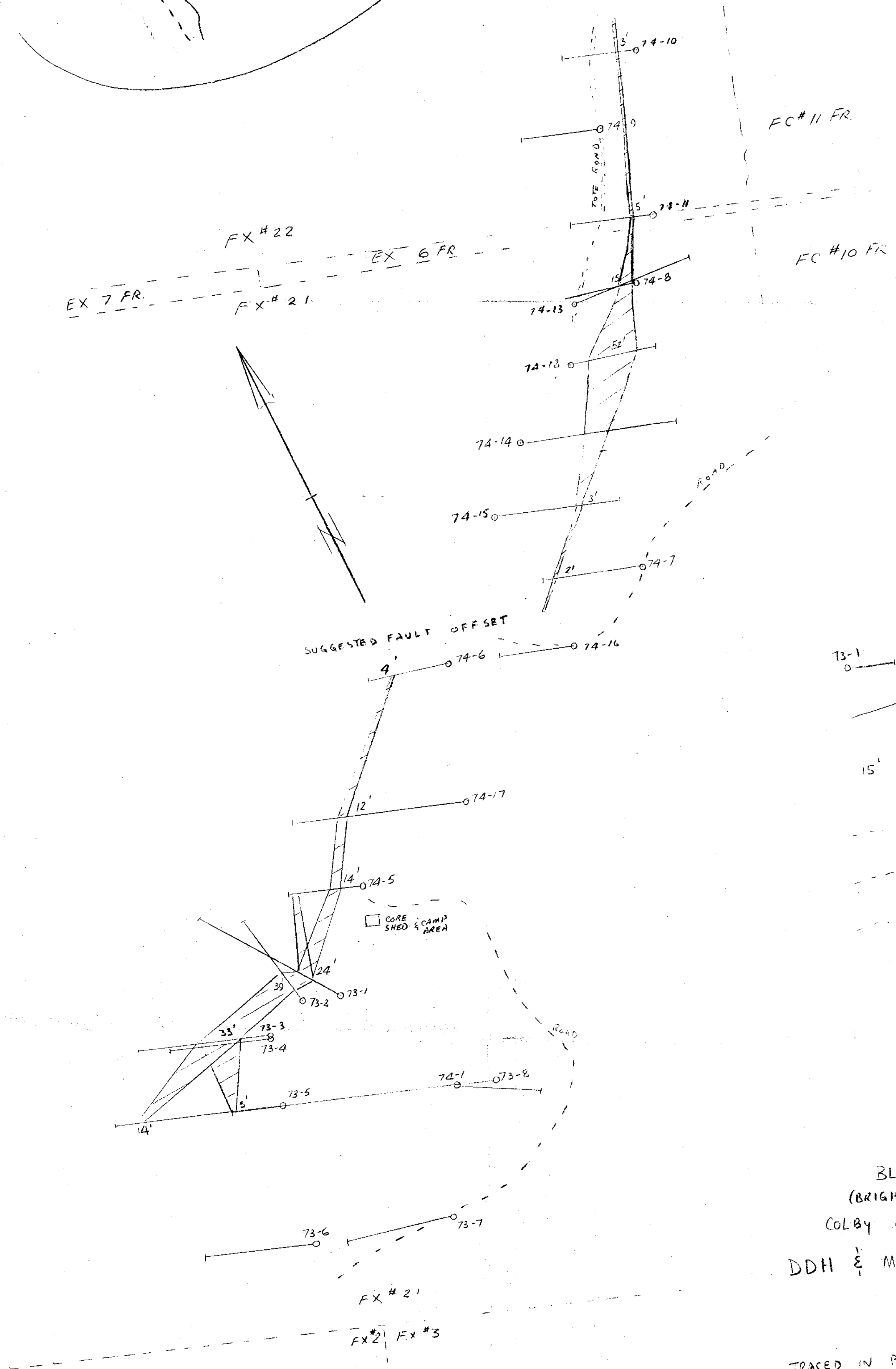


K.L. DAUGTRY & ASSOCIATES LTD
 COLBY MINES LTD
 BLACK JACK PROPERTY
 VERNON M.D.
 PLAN of DRILL HOLE
 LOCATIONS
 SCALE: 1" = 100'
 DATE: MARCH 1974
 DRAWN BY: WRG
 DRAWING NO. 2

4933
 M2



GROUPING & AND BALANCE
MAP IS LEFT TO
THE DISCRETION OF
THE DRAFTSMAN



- SYMBOLS
- 73-1 DDH LOCATION & STRIKE
 - MINERALIZED ROCK OUTLINE EMPHASIZED BY HATCH MARKS
 - 15' GILMOOR CORRECTED TRUE MINERALIZED WIDTHS
 - CLAIM BOUNDARY
 - ROAD
 - TOTE ROAD

FIG 1
BLACKJACK PROPERTY
(BRIGHT STAR TRIO)
COLBY MINES LTD - VANCOUVER
VERNON MINING DIVISION
DDH & MINERALIZED ROCK OUTLINE PLAN
SCALE 1" = 100'

TRACED IN PART FROM A PLAN DRAWN BY
K.L. DAUGHTRY & ASSOCIATES, VERNON, B.C.

DISTRICT GEOLOGIST
KAMLOOPS, B.C.
AUGUST, 1974
COLBY MINES LTD
DRILLING See Ass Rept 4933
FROM GORDON WHITE

4933

TABLE I

SUMMARY DATA
DIAMOND DRILL PROGRAM BLACK JACK PROPERTY

824/10E

HOLE NUMBER	LOCATION	BEARING	DIP AT COLLAR	DATE STARTED	DATE COMPLETED	FINAL DEPTH	SIGNIFICANT Zn-Pb ZONE					HOST ROCK
							FOOTAGE INTERVAL	INTERSECTION WIDTH	TRUE WIDTH	% Pb	% Zn	
73-1	19+49N-0+07W	325°	40°	NOV 12/73	NOV 17/73	302'	60'-90'	30'	2'	0.66	1.86	QUAR.
73-2	19+47N-0+61W	350°	40°	NOV 18/73	NOV 21/73	201	28-73	45	39	0.03	1.35	MARL
73-3A	ABANDONED					30						
73-3	19+00N-1+13W	290°	40°	NOV 23/73	NOV 26/73	249	52-133	81	33	1.36	3.47	Q & M
73-4	19+00N-1+13W	290°	65°	NOV 26/73	NOV 30/73	349	156.5-160 165-182.5 202.5-217 276-281	3.5 17.5 14.5 5	2 9 7 3	0.30 0.33 0.26 0.17	2.74 2.73 2.22 1.56	Q Q Q & M Q
73-5	18+00N-1+08W	290°	40°	DEC 2/73	DEC 5/73	318	86-91 261-272	5 11	3.5 7	0.27 0.10	1.79 1.19	M M & Q
73-6	16+00N-0+81W	290°	40°	DEC 5/73	DEC 7/73	217						
73-7	16+17N-1+17E	284°	30°	DEC 8/73	DEC 11/73	180						
73-8	18+00N-2+00E	290°	45°	DEC 13/73	DEC 18/73	426	20-28	8	5	0.02	1.39	Q
74-1	18+00N-1+44E	120°	50°	JAN 7/74	JAN 9/74	192.5						
74-2	2+00N-0+55E	285°	45°	JAN 11/74	JAN 12/74	204	63-68.5	5.5	5	0.35	1.52	M
74-3	4+00N-0+45E	290°	45°	JAN 13/74	JAN 14/74	140						
74-4	6+00N-0+93E	290°	45°	JAN 15/74	JAN 16/74	150						
74-5	21+00N-0+41E	290°	45°	JAN 17/74	JAN 18/74	152	45-64.5 130-142.5	19.5 12.5	14 9	0.34 0.14	2.25 2.52	Q & M M & Q
74-6	24+00N-2+00E	285°	45°	JAN 18/74	JAN 19/74	167	108-115	7	4	0.54	4.82	Q
74-7	25+00N-4+94E	290°	46.5°	JAN 20/74	JAN 21/74	206	181.5-184	2.5	2	0.01	2.28	Q
74-8	29+07N-5+37E	285°	45°	JAN 24/74	JAN 25/74	151	16-36	20	15	1.95	3.70	Q
74-9	31+32N-5+13E	290°	45°	JAN 28/74	JAN 29/74	163.5						
74-10	32+39N-5+78E	290°	45°	JAN 31/74	FEB 1/74	151	38-42.5	4.5	3	0.05		Q
74-11	30+00N-5+73E	290°	45°	FEB 3/74	FEB 4/74	170	38.5-44.5	6	5	0.42	3.00	Q
74-12	28+02N-4+28E	105°	45°	FEB 6/74	FEB 7/74	179	38.5-138 145.5-147	99.5 1.5	52 1.5	0.36 0.05	2.84 3.25	Q & M Q
74-13	30+00N-4+43E	95°	45°	FEB 7/74	FEB 11/74	253						
74-14	27+00N-3+42E	110°	45°	FEB 13/74	FEB 19/74	317						
74-15	26+00N-2+94E	110°	40°	FEB 20/74	FEB 21/74	235	152-162	10	3	0.04	2.48	Q
74-16	24+00N-3+85E	290°	45°	FEB 22/74	FEB 24/74	152						
74-17	22+00N-2+00E	290°	45°	FEB 28/74	MAR 2/74	349	244.5-259	14.5	12	0.17	1.40	Q
TOTAL						5604		423.5	258	197 .36	50.32 2.4	= 2.76% cont.

KARVE
NO SECTIONS

SUMMARY OF DRILLING BY COLBY MINES LTD
by way of GORDON WHITE
KING FISHER CR. - ASS. REPT 4933

4933