THE KING 1-9 & GOLD FEVER MINERAL CLAIMS

SOUTH CENTRAL GRAHAM ISLAND

QUEEN CHARLOTTE ISLANDS, B.C.

N.T.S. 103 F/8W

Lat. 53°26'N Long. 132°20'W
SKEENA MINING DIVISION

REPORT ON PERCUSSION DRILLING PROGRAMME

by

J.S. CHRISTIE, Ph.D.

January 15, 1980

Owners of Record:	KING #1	J.S. Christie
	KING #2-#9	G.G. Richards
	GOLD FEVER	G.G. Richards
OPERATOR:	Chevron Canada Limited	
CONTRACTORS:	JMT Services Corp.	
	Tonto Drilling	

TABLE OF CONTENTS

APPENDICES

LIST OF ILLUSTRATIONS

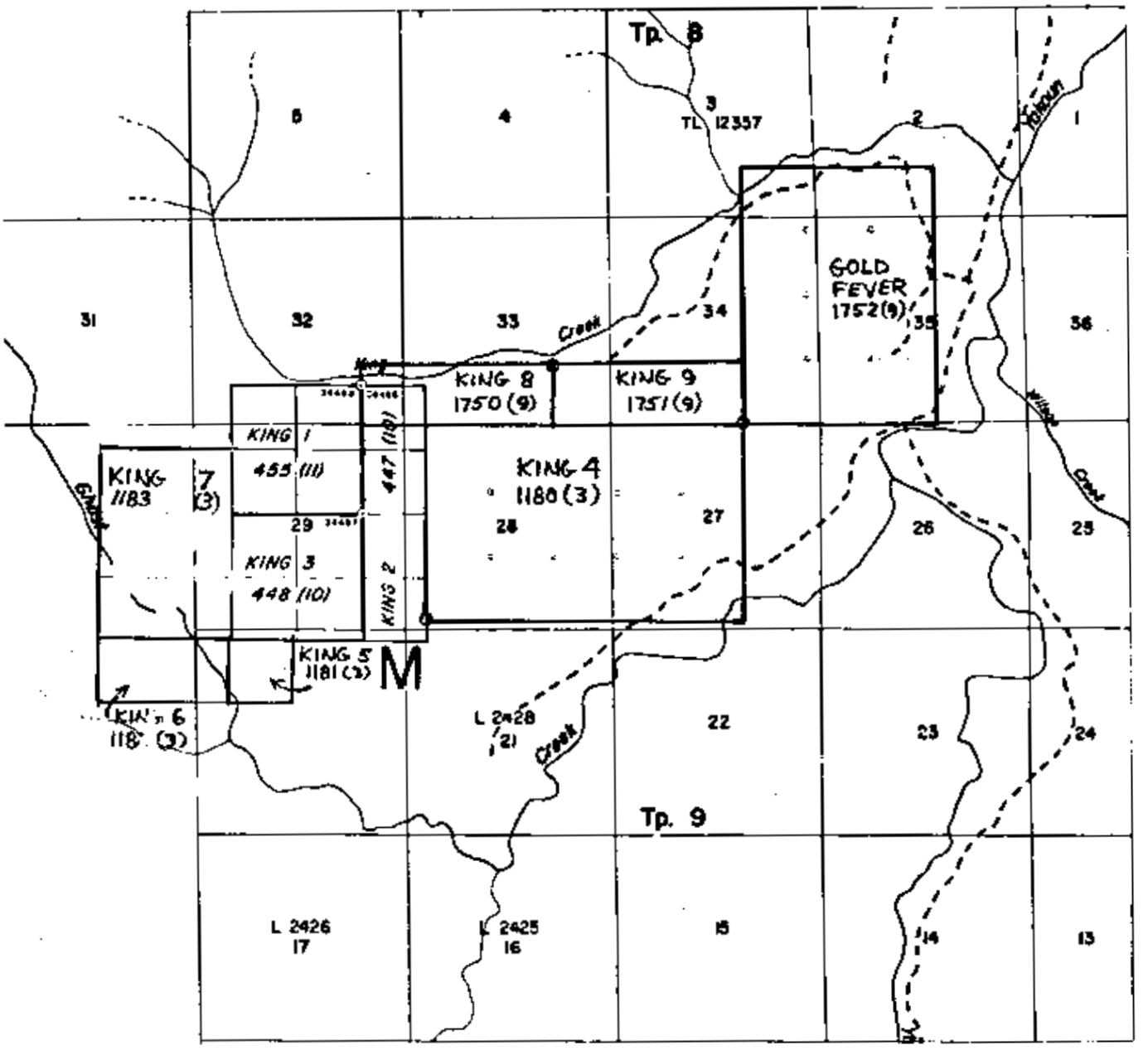
INTRODUCTION

The property was staked in the fall of 1977 after heavy pyrite mineralization was found in limy argillite, sandstone and conglomerate, and silt samples from the area returned strongly anomalous results for arsenic and mercury. Newmont Mines optioned the property in October 1977,and contracted to JMT Services Corporation the job of completing a geological and geochemical survey on a scale of 1" = 400'. These surveys demonstrated strong geochem anomalies and results were later filed for assessment. Newmont dropped its option in 1978.

Chevron Canada Limited optioned the property in the spring of 1979 and additional claims were staked. Chevron employed JMT Services Corp. to carry out geochemical surveys covering the new ground which further defined the geochem anomalies and thereafter to supervise a percussion drill programme with Tonto Drilling.

The percussion drill program provided wide-spread bedrock intersections within an area of strongly anomalous arsenic-mercury soil geochemistry. Bedrock in the area is covered by extensive overburden. A Hein-Werner backhoe was moved onto the property to construct drill trails of adequate quality for the Nodwell mounted percussion drill to move. Limited trenching was done adjacent to some of these drill trails and the trenches were refilled after sampling.

In total 22 holes were drilled to depths up to 300 feet along 4 lines crossing the soil anomaly. The lines are 200 - 500 metres apart and the hole spacing along the lines is about 100 metres.



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

Miles 1 .5 0 1 2 Miles

Metres 500 0 1000 2000 3000 Metres

Kilometres 1 .5 0 1 2 3 Kilometres

CLAIM MAP KING PROPERTY

TO SOUTH SEE MAP 103F/1W

MINERAL TITLES REFERENCE MAP 103F/8W

JMT SERVICES CORP.
KING PROPERTY

LOCATION MAP

SCALE 1" = 136 MILES

136 0 136 272

CLAIMS

The property consists of the mineral claims described below and shown on the accompanying map.

Name	Units	Record No.	Record Date	Locator
KING #1	4	455(11)	Nov. 1,1977	J.S. Christie
KING #2	4	447(10)	Oct.13,1977	G.G. Richards
KING #3	4	448(10)	" "	" "
KING #4	15	1180(3)	March 19,1979	" "
KING #5	1	1181(3)	" "	" "
KING #6	2	1182(3)	" "	" "
KING #7	6	1183(3)	" "	" "
KING #8	3	1750(9)	Sept. 27,1979	" "
KING #9	3	1751(9)	" "	" "
GOLD FEVER	12	1752(9)	" "	" "

LOCATION AND ACCESS

The property lies between King Creek and Ghost Creek, 8 km west of the Yakoun River, 28 km northwest of Queen Charlotte City and 23 km south of Juskatla. The claims lie entirely within MacMillan Bloedel's Tree Farm License and are accessible via their logging roads from Queen Charlotte City (32 km) or Port Clements (47 km). Access by truck is possible along MacMillan Bloedel's main haulage road to either the King Creek spur (Branch 41D) which leads 6 km west to the northeast end of the property, or to the Ghost Creek spur (Branch 46) which leads 8 km west to the south end of the property.

TOPOGRAPHY AND VEGETATION

Elevations on the property range from 200 m along King Creek to just over 450 m on a northwest trending ridge that begins at the south end of the property and runs northwest several miles. A broad hill reaching 400 m elevation lies along the east edge of the property. A north flowing creek lies between the northwest

trending ridge and the broad hill and flows into King Creek where King Creek changes from a southerly flow to an easterly flow.

The northwest trending ridge is covered by a spruce-hemlock forst with cypress swamps along the ridge. The broad hill to the east and its lower slopes are covered by hemlock-cedar-spruce forests with many cypress swamps. Logging has just been completed on the southcentral part of the property and is planned for 1981 on the northeast off branch 41D. A hauling road has been surveyed along the east side and top of the north-west ridge but is not planned for construction until 1982 at the earliest.

Bedrock exposures are abundant along the north flowing creek in the centre of the claims and along small steep tributaries flowing off the north-west ridge. East of the north flowing creek, outcrops are rare, occurring only in the larger tributary creeks. A mantle of till covers most of the broad hill and lower slopes but nowhere along the major tributaries, where the till has been dissected to bedrock, was it seen to be more than 7 metres deep, and till is probably about the same thickness over the broad hill. However, a section of till 80 feet thick was encountered in one of the percussion drill holes (K#14) east of the hilltop.

GEOLOGY

a) Lithology

Regional mapping by Sutherland-Brown, 1968, B.C. Department of Mines Bulletin 54, indicated that the King area is underlain by rocks of the Kunga Formation of Triassic age to the east and by rocks of the Masset Formation of Tertiary age to the west. The Kunga Formation is described as "a sedimentary unit composed primarily of limestone and argillite. It rests conformably on the Karmutsen Formation and may be overlain conformably by the Maude Formation or disconformably by the Yakoun Formation." Several fossils have identified the outcrops indicated as Kunga Formation.

The northwest trending ridge is not underlain by Masset Formation as indicated on the geology map of Bulletin 54, but by probable Honna Formation. The Honna Formation is the middle unit of the Cretaceous Queen Charlotte Group above the Haida and below the Skidegate Formations. The Honna Formation is composed of conglomerate and coarse arkosic sandstone with minor shale or siltstone. Fossils are rare in the Honna Formation and none was found on the property. The unit was identified by the occurrence of granitic pebbles. The Honna Formation is the oldest formation on the Queen Charlotte Islands known to contain granitic pebbles.

A thin bedded carbonaceous sandstone occurs over the southern 800 feet of the northwest trending ridge. This sandstone is tentatively grouped with the more massive conglomeratic Honna with which it appears to be in fault contact. A massive grey argillite, also apparently fault bounded, occurs just west of the northerly flowing creek and east of all Hanna outcrops. This unit is of unknown age. It is non-calcareous and may be part of the uppermost Kunga Formation or possibly even of the Cretaceous Haida Formation.

Numerous small fine-grained light to medium grey feldspar porphyry dykes were noted within all units mentioned above. A larger intrusive body of similar looking rock occurs along the lower one thousand feet of the northerly flowing creek. Calcite, bitumen and fine pyrite, partly, and sometimes completely, fill vesicles and rare fractures. The dykes not uncommonly display convoluted and digitated intrusive contacts that are strongly controlled by bedding and fractures. The dykes bear a close spatial relationship to alteration and anomalous geochemistry in a regional sense.

b) Structure

Major faults probably form most of the contacts between the formations described above. Much of the stratigraphic succession is lacking on the property, including all of the Jurassic Yakoun Formation and probably at least some, if not all, of the Cretaceous Haida Formation. This lack can be explained by an unconformity as suggested by the change in attitude from vertical Kinga Formation to flat-lying Honna Formation within one hundred feet, or by major faulting as indicated by outcrop patterns and the strong topographic linear along which the fault is drawn on the accompanying geologic map. The two major NNW faults are drawn to confine the massive grey argillite west of the north flowing creek.

Several east-west faults are indicated on the map, including one referred to in "Geology" as separating possible Honna sandstone from Honna conglomerate. Several parallel minor faults observed cutting conglomerate are mineralized with pyrite in ankeritic carbonate and rare quartz.

c) Alteration and Mineralization

Significant though contrasting styles of alteration occur in the different rock types . The outermost style of alteration in all rocks is the occurrence of pyrite indicated on the geology map and measuring 8000 feet by 4500 feet aligned parallel to the northwest ridge and major NNW faults.

Within the Honna conglomerate a zone of nearly continuous intense silicification with one per cent disseminated pyrite and minor fracture pyrite-arsenopyrite lies parallel to the NNW major fault. This zone is separated from the fault by 50 to 200 feet of less intensely silicified and mineralized conglomerate and surrounded by similar alteration to the limits of pyrite.

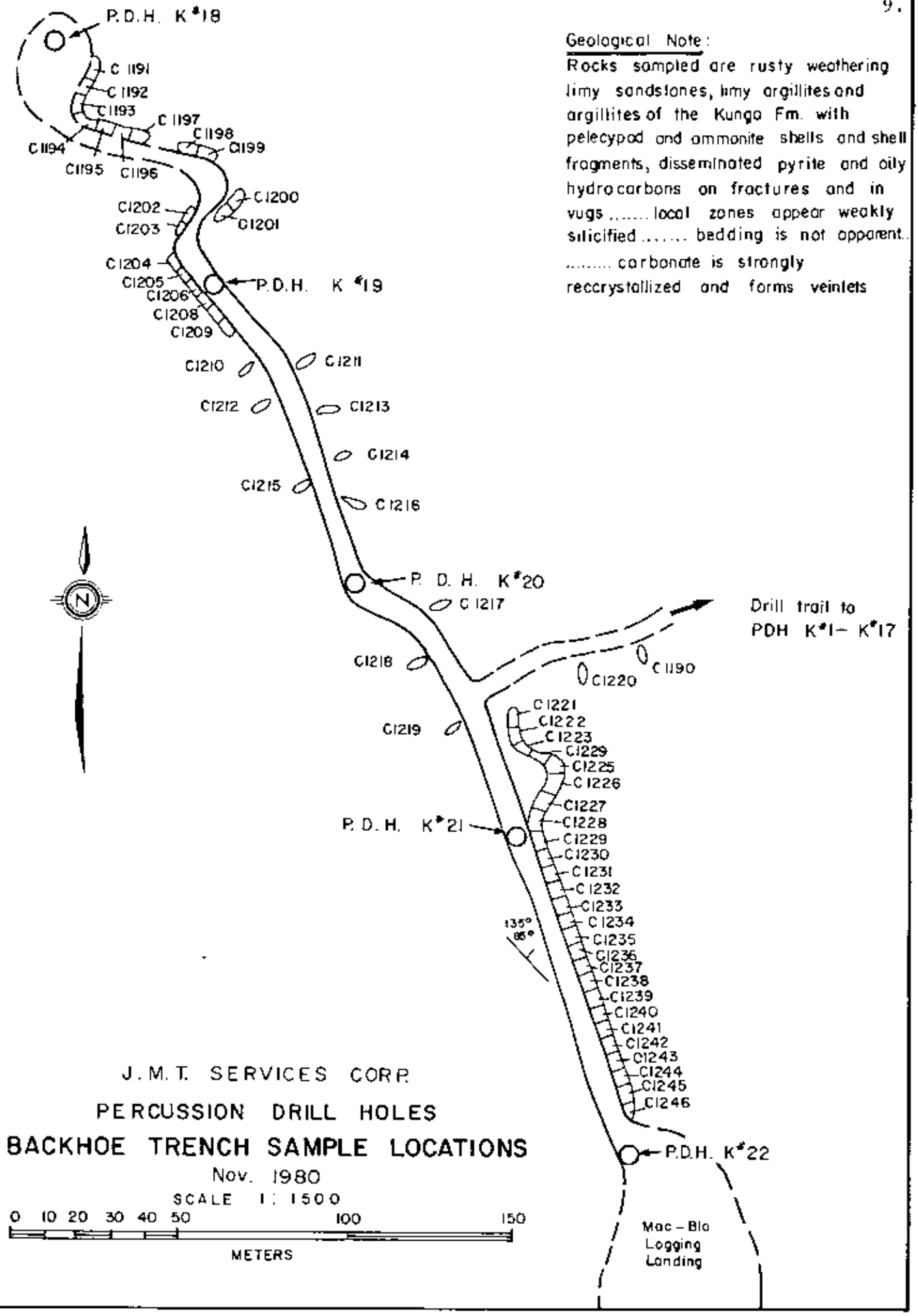
The carbonaceous sandstone lying along the southern end of the northwest ridge lies at the southern end of the silicified zone described above but exhibits strongly contrasting alteration. Silicification is weak and pyritization is strong, averaging five per cent but varying from about one per cent to about fifteen per cent in hand specimens. Most of the pyrite is disseminated.

Within the Kunga (and massive grey shale) intensity of sulphide mineralization is apparently closely related to the grey feldspar porphyry dykes. In limy argillites fine pyrite occurs disseminated along fractures and in bedded form. Pyrite beds up to 2 cm thick may indicate selective replacement mineralization, but could also be a feature of primary sedimentation.

Mineralization within the masssive grey shale is weak and patchy and entirely related to the grey feldspar porphyry dyke contact zones where the shale is hornfelsic.

d) Geology of Percussion Drill Holes

Holes K#1-22 all reached bedrock after penetrating between 5 - 80 feet of boulder till overburden. Bedrock intersections consist of variable textured argillites, limy argillites, sandstones, limy sandstones and tuffs of the Kunga Formation, with minor andesitic dyke rocks. Pyrite is present in all holes and abundant in several, and carbonate veining and sericite-clay-chlorite? alteration are strongest in association with higher pyrite concentrations. Oily hydrocarbons occurred in vugs and as fracture coatings. Details are provided in drill logs (Appendix II).



Geological Note:

Rocks sampled are rusty weathering limy sandstones, limy argillites and argillites of the Kungo Fm. with pelecypod and ammonite shells and shell fragments, disseminated pyrite and oily hydrocarbons on fractures and in vugs ..... local zones appear weakly silicified ..... bedding is not apparent. ..... carbonate is strongly recrystallized and forms veinlets

DRILL EQUIPMENT AND TECHNIQUE

The drill rig used by Tonto consisted of an Atlas Copco type 51 hammer mounted on a Gardner Denver unit and powered by a 750 c.f.m. compressor. Hole diameter in bedrock was 2". Cuttings were removed from the holes by flushing with water during drilling, and after each 10 foot run. The sludge was directed into an electric cplitter which diverted a 1/8th cut into a garbage can. Excess water was poured off and the sample for analysis was then transferred to a 12" X 18" canvas bag where the remaining water was squeezed off through the bag. A reserve sample was collected in a soil bag.

GEOCHEMISTRY

Rock chip samples obtained for each 10 foot run were analysed for gold, arsenic, mercury by Bondar Clegg and Company using the following standard procedures:

Arsenic:	Perchloric Nitric-Colorimitric
Mercury:	Controlled Aqua Regia - Closed Cell Atomic Absorption
Gold:	Fire Assay and Hot Aqua Regia - Atomic Absorption.

Results of the geochem analyses are shown in Appendix I. Values obtained for arsenic and mercury are much lower than those obtained for soils in the same areas. Gold values are similar to those in the soils showing spotty isolated anomalies.

CONCLUSIONS

Sampling obtained in the current programme has been adequate to test the eastern lobe of the large soil geochem anomaly which occurs on the King property, and appears to demonstrate that the anomaly is a transported soil anomaly. Attention should now be focused on the western part of the geochem system as this area appears to be the probable source of all of the anomalous geochemistry.

Respectfully submitted,

J.S. Christie, Ph.D.

KING CLAIMS
1979 PERCUSSION DRILLING PROGRAM
October 16 to November 31, 1979

Contract Costs

Tonto Drilling Ltd.	Oct. 31	$ 24,496.10	
	Nov. 15	19,353.08	
	Nov. 31	13,898.25	
		57,747.43	57,747.43
O'Brien & Fuerst Logging - Backhoe		19,317.50	19,317.50

JMT Services Corp.

Labour:

J. Christie, Geologist	Oct. 16-25, Nov.1-28	39	days
G. Richards, Geologist	Oct. 16-18	3	
D. Murphy, Geologist	Oct. 25-30	6	
S. Courte, Assistant	Oct. 16-25, 29-31,Nov. 1-12	25	
W. Lillies, Assistant	Oct. 16-31, Nov. 1-27	43	
T. Oliver, Assistant	Nov. 6-25	20	
D. Thorpe, Assistant	Oct. 25-31	7	
	Total days	143	
Average cost/man day $100.91	Total cost		14,430.00

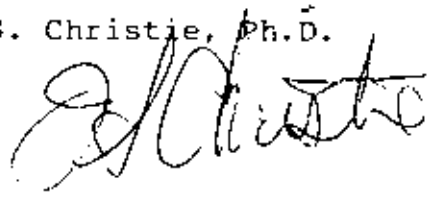
Expenses:

Airfares	1,165.00	
Meals 136 @ $20	2,720.00	
Truck 40 @ $50	2,000.00	
Chainsaws	333.00	
Sampling supplies	1,399.77	
Other hardware	122.41	
Freight	321.80	
Assays	7,155.03	
Travel	47.74	
Office supplies	33.02	
Other expenses	285.08	
	15,582.85	15,582.85
Report		700.00

Other Costs (Chevron Standard Ltd.)

Hotel, Oct. 15	630.75	
D. Arscott - time Oct. 29, 30	300.00	
D. Arscott - Expenses (air, car, food)	144.20	
	1,074.95	1,074.95
TOTAL PROGRAM COSTS		$108,852.73

J.S. Christie, Ph.D.



D. Arscott, P.Eng.

CERTIFICATE OF QUALIFICATIONS

I, James S. Christie of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist residing at 3921 W. 31st Ave., Vancouver, B.C. V6S 1Y4.

2. I am a graduate of the University of British Columbia B.Sc. Honours Geology - 1965, Ph.D. Geology - 1973.

3. I have practiced my profession as a mining exploration geologist, continuously since 1965.

4. I am a Fellow of the Geological Association of Canada.

5. I am a Member of the Geological Society of America.

6. This report is based on my personal knowledge of the district, and mapping of the geology at the property.

James S. Christie, Ph.D.
January 15, 1980

APPENDIX I

Geochem Results

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 51873

TO: JMT Services Corporation
8827 Hudson St.,
Vancouver, B.C.
V6P 4N1

INVOICE NO. 34530

RECEIVED Jan. 04/80

ATTN: Gordon G. Richards

ANALYSED Jan. 11/80

Pulps

SAMPLE NO. :	PPM As	PPB Hg	
29-2562 79C 1182	4.0	400	
1186	9.5	90	
1190	12	130	
1191	5.0	230	
1201	12	350	
03	7.0	230	
11	6.5	110	Also on Assay Cert # 67242 & 67243
17	Missing	Missing	
23	4.5	70	
34	4.0	90	
41	3.0	100	
29-2562 79C 1247	5.0	70	
29-2563 K 435	2.5	70	
455	2.5	40	
466	4.5	50	
467	3.0	50	
468	3.0	50	
K 469	15	130	
K 489	6.0	120	
K 500	6.0	120	
K 505	8.5	180	
K 525	4.0	80	
K 545	6.5	140	
K 561	5.5	80	

KING CHECK ASSAYS

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Frank Biddle

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

Extraction: As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia

Method: Au; Atomic Absorption As; Colorimetric

Fraction Used:

Report No. 29 - 2300

From: JMT Services Corporation

Date: November 9, 19 79

KING PERCUSSION DRILLING

SAMPLE NO.	Au ppb	As ppm			SAMPLE NO.	Au ppb	As ppm		
Hole K-1 K 1 10-20	< 5	11			K 31 100-110	450	10		
2 20-30	< 5	6			32 110-120	5	11		
3 30-40	< 5	7			33 120-130	< 5	7		
4 40-50	25	8			34 130-140	5	8		
5 50-60	5	7			35 140-150	5	9		
6 60-70	15	6			36 150-160	< 5	13		
7 70-80	< 5	12			37 160-170	5	8		
8 80-90	< 5	7			38 170-180	5	11		
9 90-100	< 5	6			39 180-190	5	13		
10 100-110	< 5	11			V 40 190-200	< 5	12		
11 110-120	< 5	12			END HOLE K2 41 200-210	< 5	11		
12 120-130	< 5	7			Hole K2 42 30-40	< 5	6		
13 130-140	< 5	8			43 40-50	< 5	8		
14 140-150	< 5	12			44 50-60	< 5	3		
15 150-160	< 5	6			45 60-70	< 5	< 2		
16 160-170	< 5	6			46 70-80	< 5	4		
17 170-180	< 5	7			47 80-90	< 5	3		
18 180-190	< 5	6			48 90-100	< 5	6		
19 190-200	< 5	5			49 100-110	< 5	7		
20 200-210	< 5	18			50 110-120	< 5	7		
V 21 210-220	< 5	7			51 120-130	5	6		
END HOLE K1 22 220-230	< 5	12			52 130-140	10	6		
Hole K2 23 20-30	< 5	< 2			53 140-150	< 5	8		
24 30-40	< 5	4			V 54 150-160	< 5	11		
25 40-50	< 5	6			K-2 Check 55 160-170	< 5	12		
26 50-60	< 5	7			M 67	15	38		
27 60-70	5	12			68	25	37		
28 70-80	5	6			69	30	43		
29 80-90	5	9			70	25	58		
V 30 90-100	5	8			71	10	24		

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

Extraction As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia — Report No. 29 - 2374

Method Au; Atomic Absorption, As; Colorimetric — From JMT Services Corp.

Fraction Used — Date November 8, 19 79

SAMPLE NO.	As ppm	Au ppb		SAMPLE NO.	As ppm	Au ppb	
170-180 K - 56	7	< 5		260-270 K - 86	11	< 5	
180-190 57	7	< 5		270-280 87	16	< 5	
190-200 58	11	< 5		280-290 88	6	< 5	
200-210 59	5	< 5		290-300 89	12	< 5	END K#4
210-220 60	6	5	END K#3	10-20 90	17	< 5	HOLE K#5
15-20 61	7	< 5	HOLE K#4	20-30 91	10	< 5	
20-30 62	10	< 5		30-40 92	3	< 5	
30-40 63	8	< 5		40-50 93	6	< 5	
40-50 64	11	< 5		50-60 94	12	< 5	
50-60 65	4	< 5		60-70 95	6	< 5	
60-70 66	7	< 5		70-80 96	8	< 5	
70-80 67	6	< 5		80-90 97	13	< 5	
80-90 68	8	< 5		90-100 98	13	5	
90-100 69	7	< 5		100-110 99	33	< 5	
100-110 70	10	< 5		110-120 100	29	< 5	
110-120 71	10	< 5		120-130 101	15	< 5	
120-130 72	11	< 5		130-140 102	8	< 5	
130-140 73	11	< 5		140-150 103	12	< 5	
140-150 74	7	< 5		150-160 104	13	< 5	
150-160 75	11	5		160-170 105	13	< 5	
160-170 76	7	< 5		170-180 106	12	< 5	
170-180 77	7	< 5		180-190 107	13	< 5	
190-190 78	8	10		190-200 108	12	< 5	
190-200 79	11	< 5		200-210 109	13	< 5	
200-210 80	3	< 5		210-220 110	12	< 5	
210-220 81	7	5		220-230 111	12	< 5	
220-230 82	13	5		230-240 112	12	15	
230-240 83	11	< 5		240-250 113	11	< 5	
240-250 84	13	< 5		250-260 114	13	< 5	
250-260 85	17	< 5		260-270 115	12	< 5	
							K#5 CON'T

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2374 Page No. 2

SAMPLE NO.	As ppm	Au ppb	K#5 CONT		SAMPLE NO.				
270-280 K - 116	55	< 5	↓						
280-290 117	13	1400	END K#5						
10-20 118	12	< 5	HOLE K#6						
20-30 119	12	< 5							
30-40 120	11	5							
40-50 121	11	< 5							
50-60 122	13	< 5							
60-70 123	10	< 5							
70-80 124	12	< 5							
80-90 125	11	< 5							
90-100 126	11	< 5							
100-110 127	13	< 5							
110-120 128	8	< 5							
120-130 129	7	< 5							
130-140 130	7	< 5							
140-150 131	10	< 5							
150-160 132	11	< 5							
160-170 133	13	< 5							
170-180 134	12	< 5							
180-190 135	12	< 5							
190-200 136	10	< 5							
200-210 137	11	< 5	↓						
210-220 138	6	< 5							
220-230 139	7	< 5	END K#6						

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

As; Perchloric Nitric
Hg; Controlled Aqua Regia
Extraction Au; Fire Assay & Hot Aqua Regia

Au; Atomic Absorption
Method Hg; Closed Cell Atomic Absorption
As; Colorimetric

Fraction Used

Report No. 29 - 2461 PROJECT: KING

From JMT Services Corporation

Date November 30, 1979

KING PERCUSSION DRILLING

SAMPLE NO.	As ppm	Hg ppb	Au ppb		SAMPLE NO.	As ppm	Hg ppb	Au ppb	KH8 CONT
KING H 7 (20-30) K - 140 ROCKS	23	100	10	HOLE KH7	60-70 K - 170	14	50	< 5	
30-40 141 (30-40)	12	155	< 5		70-80 171	19	55	< 5	
40-50 142	16	205	< 5		80-90 172	18	40	< 5	
50-60 143	13	110	< 5		90-100 173	22	40	< 5	
60-70 144	11	130	< 5		100-110 174	13	35	< 5	
70-80 145	12	75	< 5		110-120 175	7	70	< 5	
80-90 146	12	90	< 5		120-130 176	16	40	< 5	
90-100 147	14	130	< 5		130-140 177	22	70	< 5	
100-110 148	11	135	< 5		140-150 178	22	45	< 5	
110-120 149	13	170	< 5		150-160 179	27	90	< 5	
120-130 150	11	170	< 5		160-170 180	23	65	< 5	
130-140 151	13	195	< 5		170-180 181	22	65	5	
140-150 152	8	400	<5		180-190 182	22	60	< 5	
150-160 153	12	305	< 5		190-200 183	21	80	< 5	
160-170 154	11	225	< 5		200-210 184	26	80	< 5	
170-180 155	14	245	< 5		210-220 185	19	85	< 5	
180-190 156	18	205	< 5		220-230 186	20	175	< 5	
190-200 157	15	195	< 5		230-240 187	21	240	< 5	
200-210 158	13	200	< 5		240-250 188	23	350	< 5	
210-220 159	14	150	< 5		250-260 189	21	540	< 5	
220-230 160	21	150	< 5		260-270 190	19	540	< 5	
230-240 161	19	150	< 5		270-280 191	17	370	< 5	
240-250 162	22	185	< 5		280-290 192	14	300	< 5	V
250-260 163	23	160	< 5		290-300 193	18	265	< 5	END KH8
260-270 164	22	170	< 5		KING H 9 40-50 194 (40-50)	23	155	< 5	HOLE KH9
270-280 165	26	155	< 5		50-60 195	21	55	< 5	
280-290 166	33	155	< 5		60-70 196	19	60	< 5	
290-300 167	38	170	< 5	V	70-80 197	17	65	< 5	
300-305 168	37	200	< 5	END KH7	80-90 198	18	55	< 5	
KING H 8 50-60 169	15	55	< 5	HOLE KH8	90-100 199	14	50	< 5	V
				V					K H 9 CONT

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2461 Page No. 2

KING PERCUSSION DRILLING

SAMPLE NO.	As ppm	Hg ppb	Au ppb	K#9 CON'T
100-110 K - 200	19	60	< 5	
110-120 201	18	70	< 5	
120-130 202	23	60	< 5	
130-140 203	23	60	< 5	
140-150 204	22	65	< 5	
150-160 205	24	80	< 5	
160-170 206	23	90	< 5	
170-180 207	19	130	< 5	
180-190 208	23	150	< 5	
190-200 209	34	210	< 5	
200-210 210	38	220	< 5	
210-220 211	33	300	< 5	
220-230 212	23	330	< 5	
230-240 213	24	320	< 5	
240-250 214	22	260	< 5	
250-260 215	23	240	< 5	
260-270 216	16	210	< 5	
270-280 217	29	195	< 5	
280-290 218	22	220	< 5	↓
290-300 219	17	210	< 5	END K#9
KING #10 220 (30-40)	6	80	< 5	HOLE K#10
40-50 221	11	60	< 5	
50-60 222	12	50	< 5	
60-70 223	11	60	< 5	
80 224	13	60	< 5	
80-90 225	19	60	< 5	
90-100 226	16	60	< 5	
100-110 227	12	60	< 5	
110-120 228	15	65	< 5	
120-130 229	21	80	< 5	
130-140 230	22	90	< 5	
140-150 231	19	125	< 5	
150-160 232	14	215	< 5	
160-170 233	13	320	< 5	
170-180 234	14	415	< 5	↓
				K#10 CON'T

SAMPLE NO.	As ppm	Hg ppb	Au ppb	K#10 CON'T
180-190 K - 235	14	510	< 5	
190-200 236	22	730	< 5	
200-210 237	21	800	< 5	
210-220 238	23	830	< 5	
220-230 239	16	800	< 5	
230-240 240	19	820	< 5	
240-250 241	13	870	< 5	
250-260 242	17	700	< 5	
260-270 243	22	730	< 5	
270-280 244	19	550	< 5	↓
280-290 245	17	500	< 5	END K#10
KING #11 80-90 253	18	230	< 5	HOLE K#11
100-110 255	24	170	< 5	
130-140 258	41	155	< 5	
140-150 259	43	215	< 5	
150-160 260	35	300	< 5	
160-170 261	32	420	< 5	
170-180 262	18	340	< 5	
180-190 263	16	345	< 5	
190-200 264	17	370	< 5	
200-210 265	16	320	< 5	
210-220 266	21	300	< 5	
220-230 267	24	270	< 5	
230-240 268	33	310	< 5	
240-250 269	40	250	< 5	
250-260 270	22	210	< 5	
260-270 271	38	240	< 5	
270-280 272	14	220	< 5	
280-290 273	15	225	< 5	↓
290-300 274	20	225	< 5	END K#11
KING #12 30-40 275 (31.4)	23	110	< 5	HOLE K#12
40-50 276	16	30	< 5	
50-60 277	13	20	< 5	
60-70 278	7	20	< 5	
70-80 279	4	10	< 5	↓
				K#12 CON'T

BONDAR-CLEGG & COMPANY LTD.
130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

Extraction: As; Perchloric Nitric
Au; Fire Assay & Hot Aqua Regia

Method: Au; Atomic Absorption As; Colorimetric

Fraction Used:

Report No. 29 - 2461A PROJECT: KING PERCUSSION

From: JMT Services Corporation

Date: December 12, 19 79

KING PERCUSSION DRILLING

SAMPLE NO.	As ppm	Hg ppb			SAMPLE NO.				
20-30 ROCKS K247	12	70	HOLE K#11						
30-40 K248	7	100							
40-50 K249	6	90							
50-60 K250	8	80							
60-70 K251	8	120							
70-80 K252	17	335							
90-100 K254	10	180							
110-120 K256	39	90							
120-130 K257	24	130							
UNKNOWN K246	30	335	V						
NUMBERS WASHED									
OFF SAMPLES									
-HARD TO READ-									

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2461

KING PERCUSSION DRILLING

SAMPLE NO.	As ppm	Hg ppb	Au ppb	K#12 CONT	SAMPLE NO.
80-90 K - 280	7	15	< 5		
90-100 281	7	15	< 5		
100-110 282	6	10	< 5		
110-120 283	7	10	< 5		
120-130 284	3	10	< 5		
130-140 285	2	10	< 5		
140-150 286	8	10	< 5		
150-160 287	7	20	< 5		
160-170 288	6	30	< 5		
170-180 289	8	20	< 5		
0-190 290	8	30	< 5		
190-200 291	7	20	< 5		
200-210 292	6	25	< 5		
210-220 293	6	30	< 5		
220-230 294	7	15	< 5		
230-240 295	7	30	< 5		
240-250 296	3	20	< 5		
250-260 297	5	20	< 5		
260-270 298	8	30	< 5		
270-280 299	8	20	< 5		
280-290 300	7	20	< 5		
290-300 301	12	25	< 5	END K12	

BONDAR-CLEGG & COMPANY LTD.

130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

As; Perchloric Nitric
Hg; Controlled Aqua Regia
Extraction Au; Fire Assay & Hot Aqua Regia
Au; Atomic Absorption
Method Hg; Closed Cell Atomic Absorption
As; Colorimetric
Fraction Used

Report No. 29 - 2563 PROJECT King Drilling
From JMT Services Corporation
Date December 13, 19 79

King Percussion Drilling

SAMPLE NO.	Au ppb	As ppm	Hg ppb	
King #13				Hole K#13
55-60 302 ROCKS	< 5	11	45	
303 60-70	< 5	7	30	
304 70-80	< 5	19	30	
305 80-90	< 5	8	35	
306 90-100	< 5	6	10	
307 100-110	< 5	7	15	
308 110-120	< 5	7	35	
309 120-130	< 5	6	30	
310 130-140	< 5	3	40	
311 140-150	< 5	7	15	
312 150-160	< 5	7	25	
313 160-170	< 5	8	35	
314 170-180	< 5	3	20	
315 180-190	< 5	6	35	
316 190-200	< 5	3	45	
317 200-210	< 5	7	45	
318 210-220	< 5	4	40	
319 220-230	< 5	8	35	
320 230-240	< 5	7	10	
321 240-250	< 5	6	25	
322 250-260	< 5	7	35	
323 260-270	< 5	5	25	
324 270-280	< 5	6	20	
325 280-290	< 5	7	20	V
326 290-300	< 5	5	15	End K#13
King #17				Hole K#17
25-30 327	< 5	7	170	
30-40 328 30-40	< 5	6	195	
329 40-50	< 5	8	205	
330 50-60	< 5	< 2	265	
331 60-70	< 5	5	185	V
				K#17 cont

SAMPLE NO.	Au ppb	As ppm	Hg ppb	
332 70-80	< 5	7	200	K#17 cont
333 80-90	< 5	9	205	
334 90-100	< 5	7	180	
335 100-110	< 5	6	190	
336 110-120	< 5	7	120	
337 120-130	< 5	7	50	
338 130-140	< 5	6	35	
339 140-150	< 5	6	60	
340 150-160	< 5	5	65	
341 160-170	< 5	2	45	
342 170-180	< 5	3	35	
343 180-190	< 5	4	25	
344 190-200	< 5	3	20	
345 200-210	< 5	5	30	
346 210-220	< 5	5	25	
347 220-230	< 5	7	25	
348 230-240	< 5	10	20	
349 240-250	< 5	2	20	
350 250-260	< 5	7	20	
351 260-270	< 5	10	30	
352 270-280	5	5	30	
353 280-290	< 5	< 2	25	V
354 290-300	< 5	6	25	End K#17
King #16				Hole K#16
355 14-20	< 5	7	140	
356 20-30	< 5	3	60	
357 30-40	< 5	3	85	
358 40-50	< 5	3	80	
359 50-60	< 5	< 2	80	
360 60-70	< 5	4	75	
361 70-80	< 5	3	85	V
				K#16 cont

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2563

KING PERCUSSION DRILLING

SAMPLE NO.	Au ppb	As ppm	Hg ppb	
362 80-90	< 5	3	70	K#16 CON'T
363 90-100	< 5	3	60	
364 100-110	< 5	3	90	
365 110-120	< 5	5	90	
366 120-130	< 5	4	110	
367 130-140	< 5	3	115	
368 140-150	5	3	100	
369 150-160	< 5	2	445	
370 160-170	5	3	90	
371 170-180	< 5	5	110	
372 180-190	< 5	3	105	
373 190-200	< 5	4	80	
374 200-210	< 5	3	50	
375 210-220	< 5	5	50	
376 220-230	< 5	3	30	
377 230-240	< 5	6	30	
378 240-250	< 5	4	30	
379 250-260	< 5	7	25	
380 260-270	< 5	7	20	
381 270-280	< 5	6	20	
382 280-290	< 5	7	30	V
383 290-300	< 5	5	40	END K#16
KING #15 384 35-40	< 5	5	55	HOLE K#15
385 40-50	< 5	29	45	
386 50-60	< 5	32	30	
387 60-70	< 5	8	30	
388 70-80	< 5	5	20	
389 80-90	< 5	4	20	
390 90-100	< 5	5	20	
391 100-110	5	4	20	
392 110-120	< 5	5	15	
393 120-130	< 5	7	20	
394 130-140	< 5	7	15	
395 140-150	< 5	8	20	
396 150-160	< 5	7	20	V
				K#15 CON'T

SAMPLE NO.	Au ppb	As ppm	Hg ppb	
397 160-170	< 5	6	15	K#15 CON'T
398 170-180	< 5	5	25	
399 180-190	< 5	4	10	
400 190-200	< 5	3	20	
401 200-210	< 5	7	15	
402 210-220	< 5	5	15	
403 220-230	< 5	6	20	
404 230-240	< 5	7	10	
405 240-250	< 5	5	15	
406 250-260	5	5	10	
407 260-270	< 5	6	30	
408 270-280	< 5	5	20	
409 280-290	5	6	20	V
410 290-300	< 5	8	30	END K#15
KING #14 411 88-100	5	7	25	HOLE K#14
412 100-110	< 5	11	20	
413 110-120	< 5	13	10	
414 120-130	< 5	16	15	
415 130-140	< 5	7	10	
416 140-150	< 5	5	10	
417 150-160	< 5	3	10	
418 160-170	< 5	6	5	
419 170-180	< 5	5	10	
420 180-190	< 5	6	5	
421 190-200	< 5	4	10	
422 200-210	< 5	3	15	
423 210-220	< 5	6	20	
424 220-230	< 5	7	5	
425 230-240	< 5	5	20	
426 240-250	< 5	6	20	
427 250-260	< 5	3	10	
428 260-270	< 5	3	5	
429 270-280	< 5	4	10	
430 280-290	< 5	7	5	V
431 290-300	< 5	6	25	END K#14

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2563 Page No. 3

KING PERCUSSION DRILLING

SAMPLE NO.	Au ppb	As ppm	Hg ppb		SAMPLE NO.	Au ppb	As ppm	Hg ppb	K#19 CONT
432 20-30	< 5	8	35	HOLE K#18	468 200-210	5	5	25	
433 30-40	< 5	7	50		469 210-220	270	45	105	
434 40-50	< 5	4	70		470 220-230	< 5	15	10	
435 50-60	< 5	3	10		471 230-240	< 5	6	20	
436 60-70	< 5	6	25		472 240-250	< 5	5	20	
437 70-80	< 5	5	15		473 250-260	< 5	6	10	
438 80-90	< 5	4	20		474 260-270	< 5	7	25	
439 90-100	< 5	3	5		475 270-280	< 5	7	20	
440 100-110	< 5	4	10		476 280-290	< 5	< 2	20	
441 110-120	< 5	7	5		477 290-300	< 5	6	130	
442 120-130	< 5	5	< 5		478 300-305	< 5	10	25	END K#19
443 130-140	< 5	5	10		479 25-30	< 5	13	750	HOLE K#20
444 140-150	< 5	6	5		480 30-40	< 5	12	180	
445 150-160	< 5	7	< 5		481 40-50	< 5	11	115	
446 160-170	< 5	3	< 5		482 50-60	< 5	6	85	
447 170-180	< 5	3	10		483 60-70	< 5	9	105	
448 180-190	< 5	3	10	END K#18	484 70-80	< 5	6	185	
450 20-30	< 5	6	15	HOLE K#19	485 80-90	< 5	10	60	
451 30-40	< 5	5	5		486 90-100	< 5	12	50	
452 40-50	< 5	3	5		487 100-110	< 5	10	90	
453 50-60	< 5	< 2	5		488 110-120	5	10	70	
454 60-70	< 5	5	< 5		489 120-130	10	7	100	
455 70-80	< 5	5	< 5		490 130-140	< 5	9	115	
456 80-90	< 5	5	5		491 140-150	< 5	10	70	
457 90-100	< 5	3	5		492 150-160	< 5	8	85	
458 100-110	< 5	5	5		493 160-170	5	8	85	
459 110-120	< 5	5	5		494 170-180	< 5	10	70	
460 120-130	< 5	< 2	5		495 180-190	< 5	7	60	
461 130-140	< 5	5	10		496 190-200	5	13	90	
462 140-150	< 5	5	10		497 200-210	5	10	100	
463 150-160	< 5	5	15		498 210-220	< 5	11	85	
464 160-170	< 5	6	10		499 220-230	< 5	12	100	
465 170-180	< 5	6	10		500 230-240	< 5	10	90	
466 180-190	20	6	70		501 240-250	< 5	12	100	
467 190-200	10	6	45	K#19 CONT	502 250-260	< 5	11	95	K#20 CONT

Page 10

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2563

Page No. 4

KING PERCUSSION DRILLING

SAMPLE NO.	Au ppb	As ppm	Hg ppb	K#20 CONT
503 260-270	< 5	11	130	
504 270-280	< 5	13	160	
505 280-290	< 5	13	190	↓ 15
506 290-300	< 5	11	300	END K#20
507 20-30	< 5	10	40	HOLE K#21
508 30-40	< 5	7	50	
509 40-50	< 5	7	40	
510 50-60	< 5	< 2	35	
511 60-70	< 5	6	40	
512 70-80	< 5	6	50	
513 80-90	< 5	7	45	
514 90-100	< 5	5	30	
515 100-110	< 5	6	20	
516 110-120	< 5	7	25	
517 120-130	< 5	6	20	
518 130-140	< 5	7	35	
519 140-150	< 5	6	10	
520 150-160	< 5	5	10	
521 160-170	< 5	6	15	
522 170-180	< 5	5	20	
523 180-190	< 5	7	70	
524 190-200	< 5	5	10	
525 200-210	< 5	6	10	15
526 210-220	< 5	6	25	
527 220-230	< 5	7	20	
528 230-240	< 5	8	25	
529 240-250	< 5	6	20	
530 250-260	< 5	6	20	
531 260-270	< 5	15	25	
532 270-280	< 5	8	25	
533 280-290	< 5	7	20	↓
534 290-300	< 5	6	30	END K# 21
535 15-20	< 5	11	100	HOLE K#22
336 20-30	NS	NS	NS	
337 30-40	< 5	6	150	↓
				K#22 CONT

SAMPLE NO.	Au ppb	As ppm	Hg ppb	K#22 CONT
538 40-50	< 5	10	135	
539 50-60	< 5	13	125	
540 60-70	< 5	12	115	
541 70-80	< 5	11	105	
542 80-90	< 5	10	120	
543 90-100	< 5	6	160	
544 100-110	< 5	< 2	165	
545 110-120	< 5	10	85	5
546 120-130	< 5	10	90	
547 130-140	< 5	11	70	
548 140-150	< 5	11	70	
549 150-160	< 5	12	70	
550 160-170	< 5	6	80	
551 170-180	< 5	8	70	
552 180-190	< 5	7	65	
553 190-200	< 5	6	60	
554 200-210	< 5	6	50	
555 210-220	< 5	7	50	
556 220-230	< 5	12	45	
557 230-240	< 5	7	40	
558 240-250	< 5	6	45	
559 250-260	< 5	5	50	
560 260-270	< 5	6	35	
561 270-280	< 5	7	45	
UNMARKED 280-290 - 1	< 5	8	100	↓
290-300				END K#22

NS denotes No Sample

BONDAR-CLEGG & COMPANY LTD.

130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

Geochemical Lab Report

Extraction: As; Perchloric Nitric
Hg; Controlled Aqua Regia
Au; Fire Assay & Hot Aqua Regia

Method: Au; Atomic Absorption As; Colorimetric

Report No. 29 - 2562 PROJECT: 79-C - KING

From JMT SERVICES CORP.

Fraction Used

Date December 11, 1979 19

ROAD and TRENCH SAMPLES

SAMPLE NO.	Au ppb	As ppm	Hg ppb		SAMPLE NO.	Au ppb	As ppm	Hg ppb	
79C - 1179 ROCKS	< 5	15	185		79C - 1209	< 5	10	130	
1180	< 5	5	135		1210	< 5	11	55	
1181	< 5	13	180		1211	< 5	12	90	
1182	< 5	8	325		1212	< 5	9	50	
1183	< 5	5	50		1213	< 5	11	130	
1184	< 5	9	570		1214	< 5	< 2	110	
1185	< 5	3	20		1215	< 5	8	110	
1186	< 5	13	50		1216	< 5	< 2	90	
1187	< 5	3	70		1217	< 5	6	50	
1188	< 5	4	40		1218	< 5	7	60	
1189	< 5	11	565		1219	< 5	8	105	
1190	< 5	23	65		1220	< 5	8	30	
1191	< 5	7	190		1221	< 5	6	90	
1192	< 5	8	180		1222	< 5	7	160	
1193	< 5	7	200		1223	< 5	6	20	
1194	5	9	230		1224	< 5	9	50	
1195	< 5	6	195		1225	< 5	6	10	
1196	< 5	5	240		1226	< 5	5	30	
1197	< 5	5	315		1227	< 5	6	100	
1198	5	3	645		1228	< 5	8	100	
1199	5	8	180		1229	< 5	5	105	
1200	< 5	24	95		1230	< 5	7	220	
1201	< 5	27	265		1231	< 5	11	290	
1202	< 5	13	150		1232	< 5	6	45	
1203	< 5	7	170		1233	< 5	7	105	
1204	< 5	11	130		1234	< 5	6	60	
1205	< 5	8	125		1235	< 5	7	45	
1206	< 5	7	105		1236	< 5	5	90	
1207	< 5	10	200		1237	< 5	7	160	
1208	< 5	10	70		1238	< 5	8	50	

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 29 - 2562 Page No. 2

KING ROAD and TRENCH

SAMPLE NO.	Au ppb	As ppm	Hg ppb		SAMPLE NO.				
79C - 1239	< 5	10	60						
1240	< 5	8	1545						
1241	< 5	6	80						
1242	< 5	7	70						
1243	< 5	5	160						
1244	< 5	7	30						
1245	< 5	10	45						
1246	< 5	6	960						
1247	< 5	7	35						
1248	< 5	10	55						
1249	< 5	13	160						
1250	< 5	12	125						
1251	< 5	7	105						
1252	< 5	5	130						

APPENDIX II

Drill Logs

KING #1

0 - 10	Overburden
10 - 20	Sandy grey lst + limy arg - trace fine dis py .5 mm
20 - 30	" " " " " "
30 - 40	" " " " " "
40 - 50	" " " " " "
50 - 60	" " " " " "
60 - 70	" " " " " "
70 - 80	" " " " " "
80 - 90	" " " " " "
90 - 100	" " " " " "
100 - 110	" " " " " "
110 - 120	" " " " " "
120 - 130	" " " " " "
130 - 140	" " " " " "
140 - 150	" " " " " "
150 - 160	" " " " " "
160 - 170	" " " " " "
170 - 180	" " " " " "
180 - 190	" " " " " "
190 - 200	" " " " " "
200 - 210	" " " " " "
210 - 220	" " " " " "
220 - 230	" " " " " "

Concentrate - fairly abundant fine pyrite aggregates and fine dis py.

KING #2

0 - 20	Overburden
20 - 30	Sandy dk-med grey lst + limy arg - fine dis py to 1%
30 - 40	" " " " " "
40 - 50	" " " " " "
50 - 60	" " " " " "
60 - 70	" " " " " "
70 - 80	" " " " " "
80 - 90	" " " " " "
90 - 100	" " " " " "
100 - 110	" " " " " "
110 - 120	" " " " " "
120 - 130	" " " " " "
130 - 140	" " " " " "
140 - 150	" " " " " "
150 - 160	" " " " " "
160 - 170	" " " " " "
170 - 180	" " " " " "
180 - 190	" " " " " "
190 - 200	" " " " " "
200 - 210	" " " " " "

Concentrate - abundant fine pyrite grains and aggregates up to .5 mm - also finely dis py.

KING #3

0 - 30	Overburden	
30 - 40	Sandy grey lst	fine dis py.
40 - 50	" " "	" "
50 - 60	" " "	" "
60 - 70	" " "	" "
70 - 80	" " " + limy arg	" "
80 - 90	" " " " "	" "
90 - 100	" " " " "	" "
100 - 110	" " " " "	" "
110 - 120	" " " " "	" "
120 - 130	" " " " "	" "
130 - 140	" " " " "	" "
140 - 150	" " " " "	" "
150 - 160	" " " " "	" "
160 - 170	" " " " "	" "
170 - 180	" " " " "	" "
180 - 190	" " " " "	" "
190 - 200	" " " " "	" "
200 - 210	" " " " "	" "
210 - 220	" " " " "	" "

Concentrate - fine dis py plus grains and aggregates up to .5 mm.

KING #4

0 - 30	Overburden
30 - 40	Med - dk grey limy arg. - lst.
40 - 50	" " " " " " - minor fg dis py.
50 - 60	" " " " " "
60 - 70	" " " " " - sandy lst with dis py.
70 - 80	" " " " " " " " - not much py.
80 - 90	" " " " " " " " dis py.
90 - 100	" " " " " " " " "
100 - 110	" " " " " + sandy lst- not much py.
110 - 120	" " " " " " " - more dis py.
120 - 130	" " " " " " " - not much py.
130 - 140	" " " " " " " " " "
140 - 150	" " " " " " " " " "
150 - 160	" " "
160 - 170	" " " " " " " - more py.
170 - 180	" " " " " " " - some py.
180 - 190	" " " " " " "lighter color - more py
190 - 200	" " " " " " " - some py.
200 - 210	" " " " " " " - not much py.
210 - 220	" " " " " " " " " "
220 - 230	" " " " " " " " " "
230 - 240	Soft - muddy - some py.
240 - 250	" " " "
250 - 260	Dk grey lst - limy arg - grey limy sst - some py.
260 - 270	" " " " " " " " "
270 - 280	" " " " " " - more py.
280 - 290	" " " " " " some py.
290 - 300	" " " " " " " "

Concentrate - small agg + ind py grns.

KING #5

0 - 10	Overburden
10 - 20	Med to dk grey L arg occ py beds?- tr dis py
20 - 30	" " " " " " " " "
30 - 40	Med grey S.Lst - tr dis py.
40 - 50	Dk grey L arg - S.lst - more py.
50 - 60	Mainly S Lst - more py
60 - 70	" " " - less py
70 - 80	" " " - tr py
80 - 90	" " " - " "
90 - 100	Dk grey L arg + H carb - bedded py?
100 - 110	Med grey L arg - tr diss py + carb veins
110 - 120	" " " " " " "
120 - 130	" " " " " " "
130 - 140	" " " " " " "
140 - 150	Lt grey Lst - carb veins - tr py
150 - 160	Lt - med grey Lst carb veins - tr py
160 - 170	" " " " " " " "
170 - 180	Med grey Lst, mm s Lst - tr py
180 - 190	" " " " " " "
190 - 200	" " " " " " "
200 - 210	Mix med grey Lst + L arg + S lst- tr py
210 - 220	Mainly dk grey L arg. " "
220 - 230	Mix med frey L arg + Lst - more py
230 - 240	Limy gouge - more py - more clay
240 - 250	" " " " " "
250 - 260	" " - less py - " "
260 - 270	Med to dk L arg + grey Lst - minor dis py
270 - 280	" " " " " " " " "
280 - 290	" " " " " " " " "
290 - 300	" " " " " " " " "

Concentrate - agg py grns to 1 mm, ind diss grns

KING #6

Hole ends @ 220' - clay

0 - 10	Overburden
10 - 20	Med grey s.Lst , Lst - no py
20 - 30	" " " - dissem py, bedded py?
30 - 40	" " " " - tr dis py
40 - 50	" " " " - " " "
50 - 60	Med grey larg, S Lst, Lst - some strong dis py
60 - 70	" " " " " - " " " " carb veins, py veins?
70 - 80	Med grey S Lst, Lst " " " " " " " "
80 - 90	" " " " " " " " " " " " "
90 - 100	" " " " - tr py, grey carb veins
100 - 110	" " " "
110 - 120	" " " " - tr py
120 - 130	" " " " - " "
130 - 140	" " " " - " "
140 - 150	" " " " - more py
150 - 160	Clay gouge - " "
160 - 170	Med grey S Lst - Lst - tr py
170 - 180	" " " " - " "
180 - 190	" " " " - " "
190 - 200	" " " " - " "
200 - 210	" " " " - " "
210 - 220	" " " " - some med gr L arg - more py

Concentrate - agg & grns py to 0.5 mm

KING #7

0 - 10	Overburden	
10 - 20	Med grey Lst, L arg	tr py
20 - 30	" " " " " carb veinlets	" "
30 - 40	" " " " " " "	" "
40 - 50	" " " " " " "	" "
50 - 60	" " " " " " "	" "
60 - 70	" " " " " " "	" "
70 - 80	" " " " " " "	" "
80 - 90	" " " " " + slst & dis py carb vein, more dis py	
90 - 100	" " " " " " " " " " " " " "	
100 - 110	" " " " " " " " " " " " " "	
110 - 120	Clay gouge + tr py	
120 - 130	Med grey L arg + lst " "	
130 - 140	" " " " " "	
140 - 150	" " " " " "	
150 - 160	" " " " " " some slst tr py	
160 - 170	" " " " " " " " " "	gougy
170 - 180	Dk grey L arg + med grey lst tr py	
180 - 190	gougy crop + more py	
190 - 200	" " less py	
200 - 210	Dk grey L arg + med grey lst + slst tr py	
210 - 220	" " " " " " " " " "	
220 - 230	" " " " " " " " " "	carb veins
230 - 240	" " " slst tr py carb veins	
240 - 250	" " " " " "	
250 - 260	" " " " " "	
260 - 270	" " " " " "	gougy
270 - 280	" " " " + grey lst tr py	"
280 - 290	" " " " " " " "	"
290 - 300	" " " " " " more py	"

Concentrate py agg to 0.5 mm dis py in lst, slst

KING #8

0 - 50	Overburden								
50 - 60	Med grey lst + l arg						tr py		
60 - 70	" " " "						" "		
70 - 80	" " " "			+slst (min)			" "	carb veins	
80 - 90	" " " "			"	"		" "	"	"
90 - 100	" " " "			"	"		" "		
100 - 110	" " " "			"	"		" "		
110 - 120	" " "	less l arg more slst					" "		
120 - 130	" " "	"	"	"	"				
130 - 140	" " "	l arg + some slst					tr py		
140 - 150	" " "	"	"	"			" "	carb veinlets	
150 - 160	" " "	"	"	"			" "	"	"
160 - 170	" " "	"	"	"			" "	"	"
170 - 180	" " "	"	"	"			" "	"	"
180 - 190	" " "	"	"	"			" "	"	"
190 - 200	" " "	"	"	"			" "	"	"
200 - 210	" " "	"	"	"			" "	"	"
210 - 220	" " "	"	"	"			" "	"	"
220 - 230	" " "	"	"	"			" "	"	"
230 - 240	" " "	"	"	"			" "	"	" gougy?
240 - 250	" " "	"	"	"			" "	"	"
250 - 260	" " "	"	"	"		more py		"	"
260 - 270	" " "	"	"	"		"	"	"	"
270 - 280	" " "	"	"	"		"	"	"	"
280 - 290	" " "	"	"	"		"	"	"	"
290 - 300	" " "	"	"	"		"	"	"	"

Concentrate agg py to 1 mm many indiv py grns

KING #9

0 - 40	Overburden
40 - 50	Dk grey lst limy arg - grey sandy lst
50 - 60	" " " " " " " "
60 - 70	" " " " " " " "
70 - 80	" " " " " " " "
80 - 90	Drk - med grey lst minor py
90 - 100	" " " "
100 - 110	" " " " + sandy grey lst - minor dis py
110 - 120	" " " "
120 - 130	" " " " + " " " - clay alt - minor py
130 - 140	" " " " " " " " " " " "
140 - 150	Some dark grey arg - lst - hydrocarbons
150 - 160	" " " " " "
160 - 170	" " " " - grey sandy lst - dis py
170 - 180	" " " " " " " " " "
180 - 190	" " " " " " " "
190 - 200	Soft - lighter grey clay - limy - gouge?
200 - 210	Some lighter grey ser sch
210 - 220	" " " " "
220 - 230	Some limy sst + py
230 - 240	" " " - also - med grey py
240 - 250	Some limy sst - dis py + grey argillite
250 - 260	" " " " "
260 - 270	Med - dk grey lst - limy arg - minor py
270 - 280	" " " " " " - more py
280 - 290	" " " " " " - " " limy sst
290 - 300	Dk grey limy arg - hydrocarbons - some limy sst.

Concentrate - lumps of py grains up to 1 mm - dis py in leucocratic rock - some grey sulfide?

KING #10

0 - 30	Overburden
30 - 40	Med dk grey limy arg (90%) limy sst (10%) dis py in sst
40 - 50	" " " " " " " " " " " "
50 - 60	" " " " " " " " " " " "
60 - 70	" " " " " " " " " " " "
70 - 80	" " " " " " " " " " " "
80 - 90	" " " " " " " " " " " "
90 - 100	" " " " " " " " " " more py
100 - 110	" " " " " " " " " " " "
110 - 120	" " " " carb veins " " " " " "
120 - 130	" " " " " " " " " " " "
130 - 140	" " " " " " " " " " " "
140 - 150	" " " " (95%) " " (5%) " " " "
150 - 160	" " " " " " " " " " " "
160 - 170	" " " " " " " " " " " "
170 - 180	" " " " (90%) " " (10%) " " " "
180 - 190	" " " " " " " " " " " "
190 - 200	" " " " " carb veins limy sst (10%) dis py
200 - 210	" " " " " " " " " " " "
210 - 220	" " " " " " " " " " " "
220 - 230	" " " " " carb veins " " " " "
230 - 240	" " " " " " " " " " " "
240 - 250	" " " " " " " " " " " "
250 - 260	" " " " " " " " " " " "
260 - 270	" " " " " " " " " " " "
270 - 280	" " " " " " " " " " " "
280 - 290	" " " " " " " " " " " "
290 - 300	" " " " " " " " " " " "

Concentrate - py up to 2 mm - and fine grained aggregates - fine dis py grey sulfide ??

KING #11 (some samples missing)

1st Qtr	Dk grey limy arg. Med grey lmstn & sandy lmst. Calcite veins,
1st Qtr	bedded py? dis py in limy arg. Weal alt. Limy arg 30% of
1st Qtr	samples
1st Qtr	
2nd Qtr	Mixed 30% dk grey limy arg. Lt-med grey lmst & lmst. Weak dis
2nd Qtr	py. Very weak alt. Some calcite veins. Hydrocarbon veins.
2nd Qtr	
2nd Qtr	
3rd Qtr	
3rd Qtr	Same as 2nd qtr. More dis. py. Some py in calcite veins.
3rd Qtr	
3rd Qtr	
4th Qtr	
4th Qtr	Same as 3rd Qtr
4th Qtr	
4th Qtr	-samples dumped and mixed by ravens.

Concentrate - aggregates and grains of pyrite up to 2 mm - fairly heavy pyrite.

KING #12

0 - 30	Overburden							
30 - 40	Med grey sandy lst	- no strong alt.						
40 - 50	" " "	"	- weak clay alt			- minor dis py grn		
50 - 60	" " "	"	"	"			"	"
60 - 70	" " "	"	- strong pink (cb)?				"	"
70 - 80	" " "	"	"	"				
80 - 90	" " "	"	"	"	"		"	"
90 - 100	" " "	"	"	"	"		"	"
100 - 110	" " "	"	"	"	"		"	"
110 - 120	" " "	"	"	"	"	more py		
120 - 130	" " "	"	"	"	"	minor py		
130 - 140	" " "	"	"	"	"	"		
140 - 150	" " "	"	"	"	"	"		
150 - 160	" " "	"	"	"	"	"		
160 - 170	" " "	"	"	"	"	"		
170 - 180	" " "	gougy?	"	"	"	"		
180 - 190	" " "	gougy?	"	"	"	"		
190 - 200	" " "	"	"	"	"	"		
200 - 210	" " "	"	"	"	"	"		
210 - 220	" " "	"	"	"	"	"		
220 - 230	" " "	"	"	"	"	"		
230 - 240	" " "	"	"	"	"	"		
240 - 250	" " "	"	"	"	"	"		
250 - 260	" " "	"	"	"	"	"		
260 - 270	" " "	"	"	"	"	"		
270 - 280	" " "	"	"	"	"	"		
280 - 290	" " "	"	"	"	"	"		
290 - 300	" " "	"	"	"	"	"		

Concentrate - pyrite aggregates and grains to 2 mm
- fairly heavy pyrite

KING #13

Depth		Lithology		Pyrite		Alteration
0 - 55		Overburden				
55 - 60		Sandy grey lst	dissem py, pyrr			
60 - 70		" " "	grey limy ser rock,	dis py		
70 - 80		" " "	" " "	" "	+ grn cl	alt- strong cl+py
80 - 90		Sandy grey lst,	grn grns	dis py		alt rock
90 - 100		" " "	" "	" "		" "
100 - 110		" " "	" "	more py		" "
110 - 120		" " "	" "	" "		" " pink tint
120 - 130	gougy	" "	" "	" "		" " " "
130 - 140	" "	" "	" "	" "	ser+ py	"
140 - 150	"	Sa grey lst?	gougy	dis py	" "	" " " "
150 - 160	"	" " "	pink & grn grns	" "	" "	" " " "
160 - 170	"	" " "	" " "	" "	" "	" " " "
170 - 180	"	" " "	" " "	" "	" "	" " " "
180 - 190	"	" " "	" " "	" "	" "	" " " "
190 - 200	"	" " "	" " "	" "	" "	" " " "
200 - 210	"	" " "	" " "	" "	" "	" " " "
210 - 220	"	" " "	" " "	" "	" "	" " " "
220 - 230	"	" " "	" " "	" "	" "	" " " "
230 - 240	"	" " "	" " "	" "	" "	" " " "
240 - 250	"	" " "	" " "	" "	" "	" " " "
250 - 260	"	" " "	" " "	" "	" "	" " " "
260 - 270	"	" " "	" " "	" "	" "	" " " "
270 - 280	"	" " "	" " "	less py	slickensides(?)	" "
280 - 290		Sa grey lst		min py		
290 - 300		" " "		" "		

Concentrate - pyrite grains up to 1 mm - less py than K#12

KING #14

Depth	Description
0 - 90	Overburden
90 - 100	Grey sandy lst - ser sch - clay - fine dis py (1/2%)
100 - 110	" " " " " - fine dis py (1/2%)
110 - 120	" " " " " " " "
120 - 130	" " " with green clay alt grains - py (1/2%)
130 - 140	" " " " " " " " " "
140 - 150	" " " stronger clay - ser? alt - lighter color
150 - 160	Grey sandy lst
160 - 170	" " " green clay alt grains - dk grey cb vlts - py
170 - 180	" " " " " " "
180 - 190	Lighter colour - more py
190 - 200	" " - some grey lst (fgr)
200 - 210	Chip size becoming very fine - grey sandy lst - minor py
210 - 220	" " " "
220 - 230	" " " "
230 - 240	
240 - 250	
250 - 260	Grey lst - sandy? more py (1/2%)
260 - 270	" " " " "
270 - 280	" " " " "
280 - 290	" " " " "
290 - 300	" " " " "

Concentrate - dis py - simple grains and aggregates up to 1 mm

KING #15

0 - 30	Overburden
30 - 40	Fgr med gr lst - med grey lst - carb veinlets min dis py
40 - 50	Lst & Veinlets minor dis py
50 - 60	Med gr s lst - gre d alt grns min dis py
60 - 70	" " " " " " " " " "
70 - 80	" " " " " " " " " "
80 - 90	" " " str cl alt " " "
90 - 100	" " " str cl alt Dk grey carb veining dis py
100 - 110	" " " " " " " " " "
110 - 120	" " " some ser " " " " " more py
120 - 130	" " " " " " " " " " " "
130 - 140	Med gr sa lst minor py
140 - 150	" " " " " "
150 - 160	" " " " " " stronger cl alt
160 - 170	" " " " " " " " "
170 - 180	" " " " " "
180 - 190	" " " " some dk grey arg py
190 - 200	" " " " " " more py stronger cl alt softer rock
200 - 210	" " " " " " " " " " " " " " " "
210 - 220	" " " " " " " " " " " " " " " "
220 - 230	" " " " " " " less py " " " " " "
230 - 240	Med gr sa lst minor py
240 - 250	" " " " " " some grey lst
250 - 260	" " " " less py " " "
260 - 270	" " " " " " " " "
270 - 280	" " " " " " " " "
280 - 290	L arg sa lst more py " " "
290 - 300	" " " " " " " " "

Concentrate Py agg to 1 mm, md grns in L st and grey carb veins

KING #16

0 - 20	Overburden
20 - 30	Med grey sandy lst and lst - strong, greenish-pinkish clay, ser alt dis py
30 - 40	" " " " " " " " " " " "
40 - 50	" " " " " " " " " " " "
50 - 60	" " " " " " " " " "
60 - 70	" " py veins
70 - 80	" " " "
80 - 90	" " " " "
90 - 100	" " " " "
100 - 110	" " " " "
110 - 120	" " " " "
120 - 130	" " " " + hydrocarbons "
130 - 140	" " " " " " " "
140 - 150	" " " " "
150 - 160	" " " " more py
160 - 170	" " " " limy arg, weaker alt
170 - 180	" " " "
180 - 190	" " " "
190 - 200	" " " " some hydrocarbons, strongly alt
200 - 210	" " " "
210 - 220	" " " "
220 - 230	" " " "
230 - 240	" " " "
240 - 250	" " " " more py
250 - 260	" " " " "
260 - 270	" " " " "
270 - 280	" " " " dis py
280 - 290	"
290 - 300	" " " " dis py

Concentrate - pyrite grains and aggregates to 3 mm - less py than K#12

KING #17

0 - 20	Overburden					
20 - 30	Lt - med grey sandy lmstn.	Strong car.	clay alt.	Finely	dis py	
30 - 40	"	"	"	"	"	
40 - 50	"	"	"	"	"	
50 - 60	"	"	"	"	"	
60 - 70	"	"	"	"	"	
70 - 80	"	"	"	"	"	
80 - 90	" gougy?	"	"	"	more py	
90 - 100	"		"	"	dis py	
100 - 110	"	"	"	"	"	
110 - 120	"	"	"	"	"	
120 - 130	Med - dk grey sandy lmst.	Weaker alt	dk grey limy	arg	"	
130 - 140	"	"	"	"	"	more py
140 - 150	"	"	"	"	"	"
150 - 160	Lt. grey sandy lmst.	Strong car.	clay alt.		less py	
160 - 170	"	"	"		dis py	
170 - 180	"	"	"		"	
180 - 190	"	"	"		"	
190 - 200	"	"	"		"	
200 - 210	"	"	"		"	
210 - 220	"	"	"		"	
220 - 230	"	"	"		"	
230 - 240	Med grey lmst - dk grey limey arg.	Weaker alt.			"	but weaker
240 - 250	" " "	"	Still weaker alt		"	"
250 - 260	" " "	"	Weaker alt.		"	"
260 - 270	" " "	"	"		"	"
270 - 280	" " "	"	"		"	"
280 - 290	" " "	"			"	"
290 - 300	" " "	"	"		more py	

Concentrate - fine gr sulph (py?) in limey rocks. Coarser gr. py - 2mm aggregates

KING #18

0 - 20	Overburden					
20 - 30	Sandy grey lst			cse ser - tr	dis py	
30 - 40	Sandy grey + pinkish grey lst			cse ser - tr	dis py	
40 - 50	" " "	"		"	"	- hydrocarbon
50 - 60	" " "	"		"	"	"
60 - 70	" " "	"		"	"	—
70 - 80	" " "	"		"	"	"
80 - 90	Mainly pinkish grey lst			"	"	lots hydrocarbon
90 - 100	" " "				"	"
100 - 110	" " "			"	"	"
110 - 120	" " "			"	"	"
120 - 130	" " "			"	"	"
130 - 140	" " "					
140 - 150	" " "	"				
150 - 160	" " "	"				
160 - 170	" " "	"				
170 - 180	" " "	"				
180 - 190	" " "	"				

Concentrate - traces pyrite in core

KING #19

0 - 15	Overburden
16 - 20	Sandy grey lst - fine dis py - hydrocarbon - minor fault py - cse ser
20 - 30	" " " " " "
30 - 40	" " " " " "
40 - 50	" " less py "
50 - 60	" " tr py hydrocarbon "
60 - 70	" " " "
70 - 80	" " " "
80 - 90	" " " hydrocarbon "
90 - 100	" " " "
100 - 110	" +pinkish lst " hydrocarbon "
110 - 120	" " "
120 - 130	" " "
130 - 140	Sandy grey lst + minor dis py "
140 - 150	Mainly pinkish grey lst hydrocarbon "
150 - 160	" " " " "
160 - 170	" " some dis py " "
170 - 180	" " minor dis py " "
180 - 190	Sandy grey + pinkish grey lst minor dis py hydrocarbon "
190 - 200	" " " " " " " "
200 - 210	" " " " " " "
210 - 220	" " " " + " " " "
220 - 230	Mainly pinkish grey + minor arg " " "
230 - 240	" " " " " "
240 - 250	" " " tr py "
250 - 260	" " " "
260 - 270	" "
270 - 280	" " " " "
280 - 290	" " " " "
290 - 300	" " " "

Concentrate - pyrite only identifiable sulfide

KING #20

0 - 25	Overburden
25 - 30	Limy arg + pinkish grey lst - ser + dis py + fract. py
30 - 40	" " " " "
40 - 50	" " " " + hydrocarbon
50 - 60	Pinkish sandy lst " " "
60 - 70	" " " " "
70 - 80	Pinkish grey lst + limy arg " "
80 - 90	" " " "
90 - 100	" " " "
100 - 110	Limy arg to pinkish grey lst "
110 - 120	" " "
120 - 130	" " "
130 - 140	" " "
140 - 150	" " "
150 - 160	" " "
160 - 170	" " "
170 - 180	" " "
180 - 190	" " "
190 - 200	" minor pinkish lst "
200 - 210	" " "
210 - 220	" " "
220 - 230	" " "
230 - 240	" " "
240 - 250	" " "
250 - 260	" " "
260 - 270	" " "
270 - 280	" " "
280 - 290	" " "
290 - 300	" " "

Concentrate - abundant fine silvery pyrite

KING #21

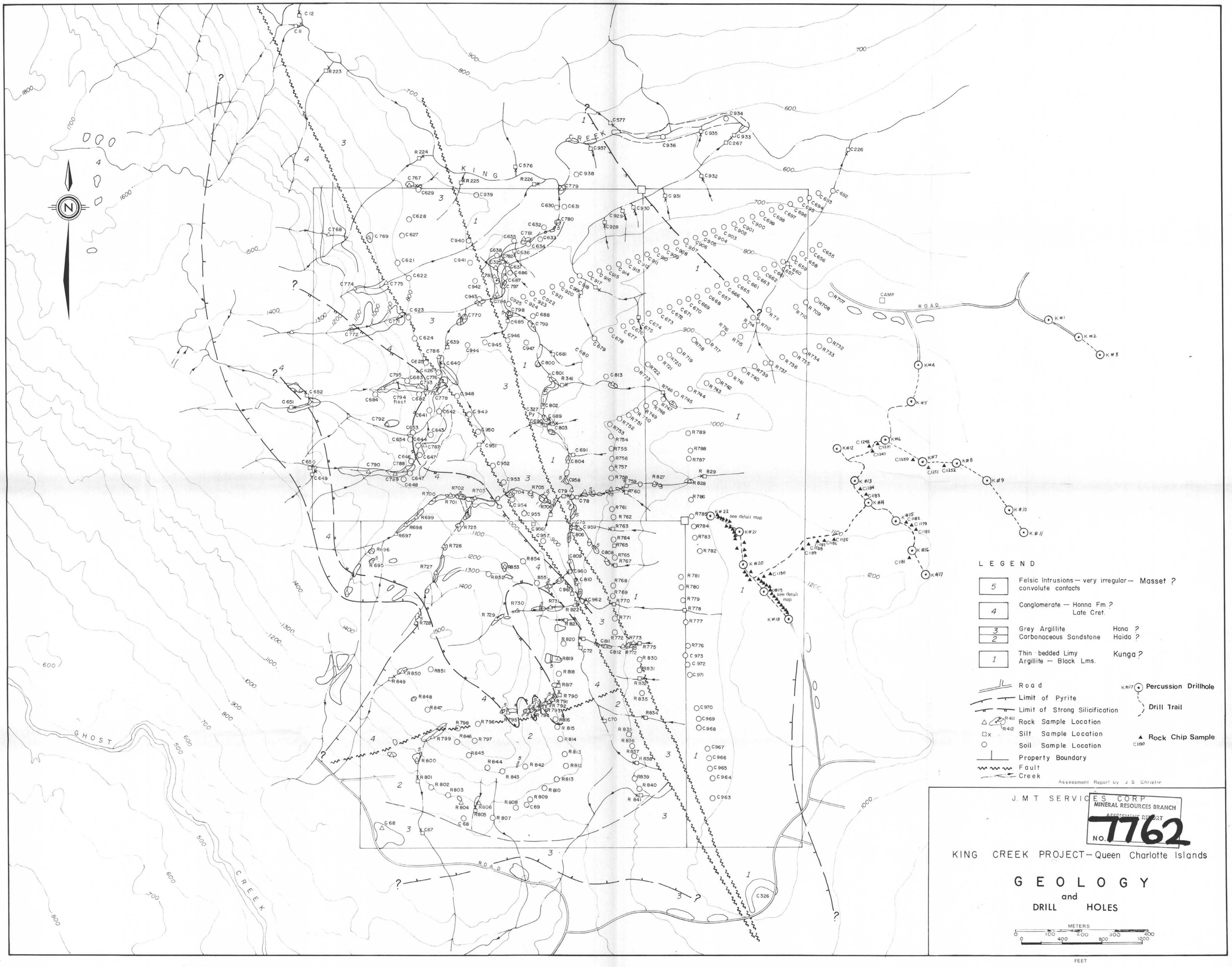
0 - 20	Overburden				
20 - 30	Grey to pinkish lst - sandy lst - fine dis py				
30 - 40	"	"	"	"	
40 - 50	"	"	"	"	
50 - 60	"	"	"	"	
60 - 70	"	"	"	"	
70 - 80	"	"	"	"	
80 - 90	"	"	"	"	
90 - 100	"	"	"	"	
100 - 110	"	"	"	"	hydrocarbon
110 - 120	"	"	"	"	
120 - 130	"	"	"	"	
130 - 140	"	"	"	"	
140 - 150	"	"	"	"	
150 - 160	"	"	"	"	
160 - 170	"	"	"	"	
170 - 180	"	"	"	"	
180 - 190	"	"	"	"	
190 - 200	"	"	"	"	
200 - 210	"	"	"	"	
210 - 220	"	"	"	"	
220 - 230	"	"	"	"	
230 - 240	"	"	"	"	
240 - 250	"	"	"	"	
250 - 260	"	"	"	"	
260 - 270	"	"	"	limy arg	"
270 - 280	"	"	"	"	"
280 - 290	"	"	"	"	"
290 - 300	"	"	"	"	"

Concentrate - Traces of pyrite

KING #22

0 - 15	Overburden				
15 - 20	Sandy grey lst + pinkish grey lst - fine dis py				
20 - 30	"	"	"	"	
30 - 40	"	"	"	"	
40 - 50	"	"	"	"	fine ser
50 - 60	"	"	"	"	" "
60 - 70	"	"	"	"	
70 - 80	"	"	"	"	
80 - 90	"	"	"	"	
90 - 100	"	"	"	"	
100 - 110	"	"	"	"	
110 - 120	"	"	"	"	
120 - 130	"	"	"	"	
130 - 140	"	"	"	"	
140 - 150	"	"	"	"	
150 - 160	"	"	"	"	
160 - 170	"	"	"	"	
170 - 180	"	"	"	"	
180 - 190	"	"	"	"	
190 - 200	"	"	"	"	
200 - 210	"	"	"	"	
210 - 220	"	"	"	"	
220 - 230	"	"	"	"	
230 - 240	"	"	"	"	
240 - 250	"	"	"	"	
250 - 260	"	"	"	"	
260 - 270	"	"	"	"	
270 - 280	"	"	"	"	
280 - 290	"	"	"	"	
290 - 300	"	"	"	"	

Concentrate - fine pyrite


KING CREEK
GHOST CREEK
ROAD
CAMP ROAD
N
K#1
K#2
K#3
K#4
K#5
K#6
K#7
K#8
K#9
K#10
K#11
K#12
K#13
K#14
K#15
K#16
K#17
K#18
K#19 see detail map
K#20
K#21
K#22 see detail map
LEGEND
5 Felsic Intrusions — very irregular — convolute contacts Masset ?
4 Conglomerate — Honna Fm ? Late Cret.
3 Grey Argillite Honna ?
2 Carbonaceous Sandstone Haida ?
1 Thin bedded Limy Argillite — Black Lms. Kunga ?
Road
Limit of Pyrite
Limit of Strong Silicification
Rock Sample Location
Silt Sample Location
Soil Sample Location
Property Boundary
Fault
Creek
Percussion Drillhole
Drill Trail
Rock Chip Sample
Assessment Report by J S Christie
J.M.T SERVICES CORP
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 1762
KING CREEK PROJECT — Queen Charlotte Islands
GEOLOGY
and
DRILL HOLES
METERS
0 100 200 300 400
0 400 800 1200
FEET