'80 - #232 - #8020

GEOCHEMICAL REPORT

- ON THE -

DASH CREEK PPOPERTY

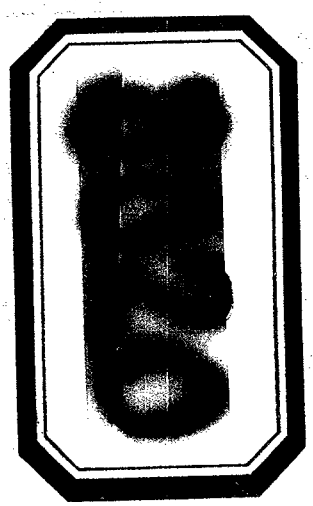
- FOR -

BARRIER REEF RESOURCES LTD.,
#904-675 West Hastings Street,
Vancouver, B. C. V6B 1N2.

Covering: Dash #1 (20 units), Dash #2 (20 units),
Dash #3 (8 units), Dash #4 (12 units),
Dash #5 (20 units), Dash #6 (8 units),
Dash #7 (20 units).

Work Performed: September 1, 1979 to May 15, 1980.

Location: (1). 51°12'N; 122°55'W.
(2). NTS Map 92 O/2W.
(3). 90 km. northwest of Lillooet, B.



PREPARED BY
KERR, DAWSON & ASSOCIATES LTD.
1 - 219 Victoria Street
Kamloops, B.C.
J. M. Dawson, P. Eng.,
May 12, 1980.

GEOCHEMICAL REPORT

- on the -

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MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8020
NO.

PREPARED BY:

KERR, DAWSON & ASSOCIATES LTD.,
#1-219 Victoria Street,
KAMLOOPS, B. C.

J. M. Dawson, P. Eng.,
May 12, 1980.

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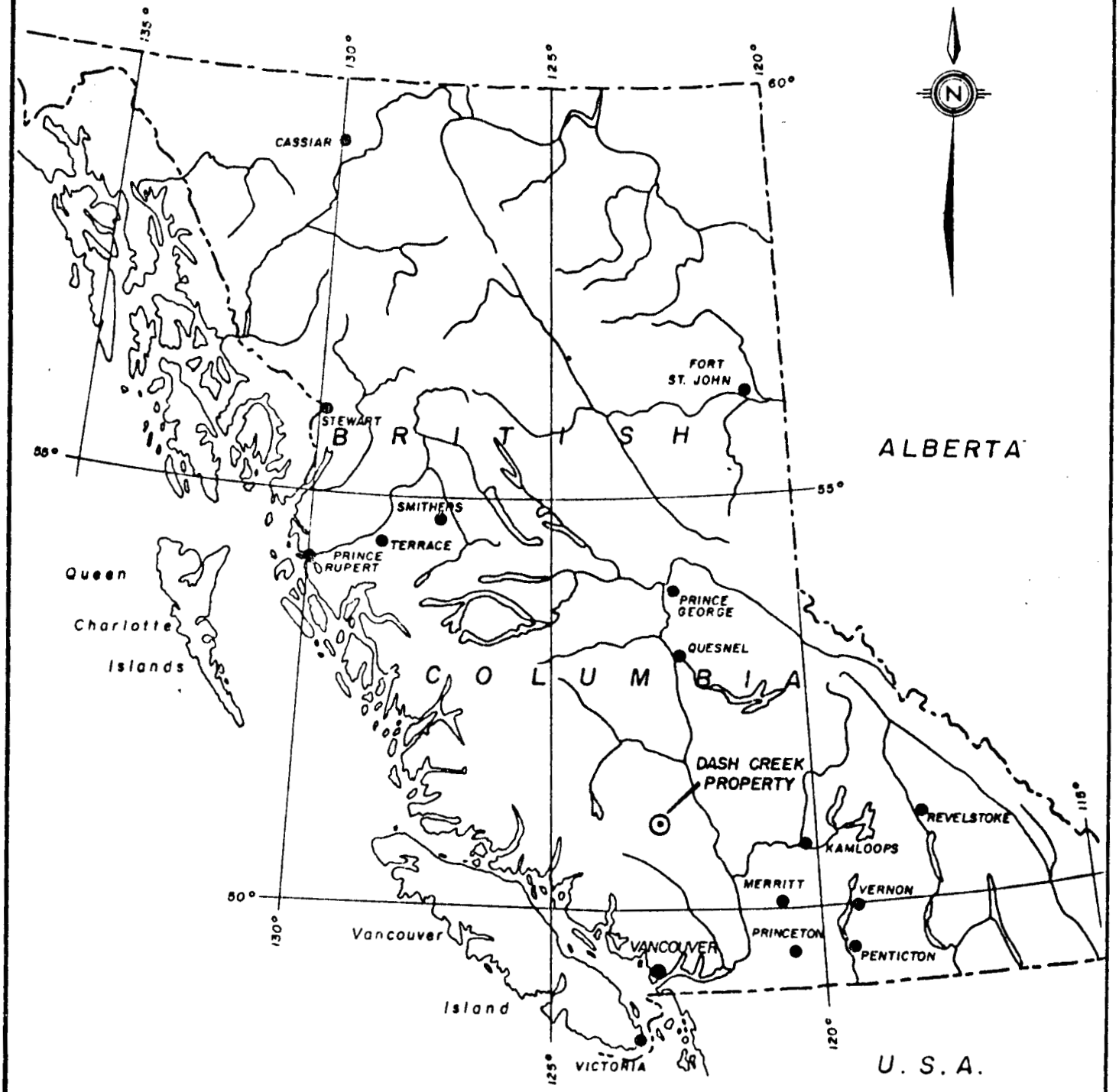
Figure 227 A-1 - Location Map

Figure 227 A-2 - Claim Map

Figure 227 A-3 - Geology Map

Figure 227 A-4 - Gold Concentration in Soils and Stream Sediments

Figure 227 A-5 - Arsenic Concentration in Stream Sediments



BARRIER REEF RESOURCES LTD.	
LOCATION MAP DASH CREEK PROPERTY CLINTON MINING DIVISION, B.C.	
Technical Work by: Kerr, Dawson & Assoc. Ltd.	Date : Mar. 1980.
Scale : 1cm. = 87km.	Dwg No. 227-A-1

INTRODUCTION

The Dash claims were staked to cover geochemical anomalies outlined during a regional silt sampling programme.

Further detailed silt and soil geochemical programmes as well as detailed prospecting were then carried out in an attempt to better define the anomalies and/or mineralization.

The results of these surveys were interpreted and are appended on a series of maps accompanying this report.

SUMMARY AND CONCLUSIONS

(1). The Dash Creek property consists of seven, contiguous, metric claims totalling 108 units located in moderate terrain in the Yalakom River district of southern British Columbia. Present access is by air; however, roads exist to within several miles of the property.

(2). There is no record of any previous exploration work on the subject claims; however, some preliminary exploration work was done on several porphyry-type copper-molybdenum showings located immediately south of the Dash claims. This work was done during the early 1970's.

(3). The property is underlain by late Mesozoic clastic sedimentary rocks cut by a number of northwesterly-trending, regional faults. Two small, feldspar porphyry stocks and one ultrabasic body intrude these sediments. Minor remnants of Miocene basalt flows cap the older rocks at the west edge of the claims.

(4). No mineral showings are currently known on the property; however, geochemical sampling has shown a clustering of anomalous gold values in the vicinity of several of the through-going faults.

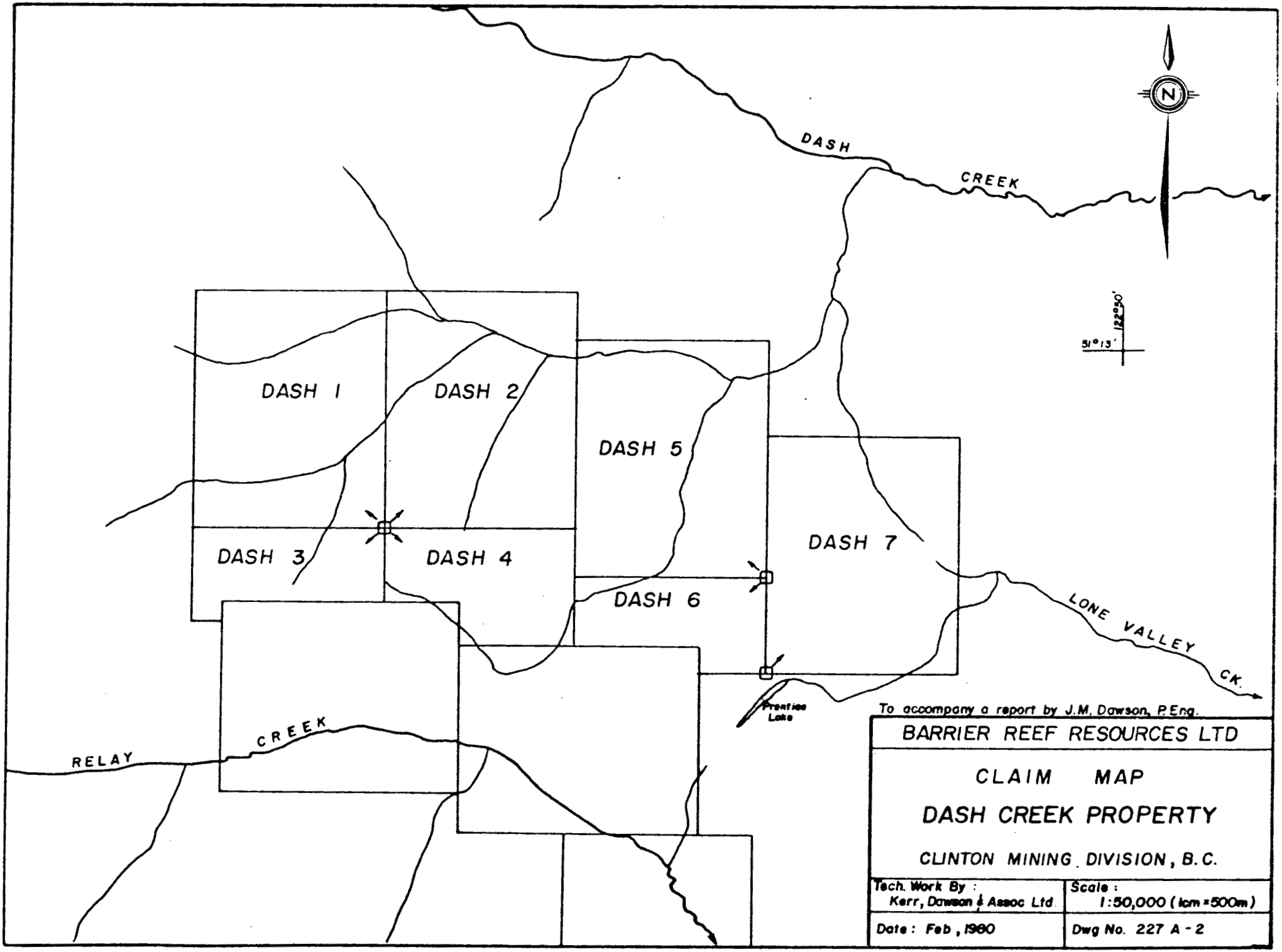
(5). Epithermal precious metal mineralization is known to be associated with these faults in the Yalakon district and porphyry type, copper-gold or copper-molybdenum-gold mineralization is associated with the younger, subvolcanic stocks. The property has the potential to host both types of mineralization.

PROPERTY

The subject property consists of 7 contiguous, metric claims totalling 108 units as follows:

Claim Name	Record No.	Tag No.	Expiry Date
Dash #1	376	47673	August 10, 1980
Dash #2	377	47675	August 10, 1980
Dash #3	378	47676	August 10, 1980
Dash #4	379	47677	August 10, 1980
Dash #5	380	47678	August 10, 1980
Dash #6	381	47679	August 10, 1980
Dash #7	382	49207	August 10, 1980

Disposition of claims is shown on figure #227A-2.


DASH
CREEK
N
51°13'
122°50'
DASH 1
DASH 2
DASH 3
DASH 4
DASH 5
DASH 6
DASH 7
LONE VALLEY CK.
Prentice Lake
RELAY
CREEK
To accompany a report by J.M. Dawson, P.Eng.
BARRIER REEF RESOURCES LTD
CLAIM MAP
DASH CREEK PROPERTY
CLINTON MINING DIVISION, B.C.
Tech. Work By : Kerr, Dawson & Assoc Ltd
Scale : 1:50,000 (1cm=500m)
Date : Feb, 1980
Dwg No. 227 A-2

LOCATION AND ACCESS

The claims are located in south-central British Columbia, approximately 90 km. northwest of the town of Lillooet, B. C. Approximate geographic center of the claims is at 51°12' north latitude and 122°55' west longitude.

Access is by helicopter from either Clinton or Lillooet, B. C. It is possible to drive from Gold Bridge, via Tyaughton Lake, up Relay Creek to the Clear Mines property immediately south of the subject claims. By road, this distance would be approximately 60 km.the latter half of which is strictly four-wheel-drive only.

PHYSIOGRAPHY AND VEGETATION

The property consists of an elongate, east-west, rectangular block covering much of the headwaters of the south fork of Dash Creek. The southern boundary of the property roughly follows the devide between Dash Creek and Relay Creek. The bulk of the property slopes moderately to steeply north to the main branch of south fork of Dash Creek. This predominent northerly slope is dissected by a number of north flowing tributaries.

Elevations vary from 7,700 feet a.s.l. near the southwest corner of the property down to approximately 5,500 feet a.s.l. at the northeast corner.

Treeline in this region is about 6,200 feet a.s.l. so consequently the southwestern corner of the property is bare. The remainder of the ground is treed with mature jack pine and occasional open meadows in some of the creek bottoms.

HISTORY

There is no record of the subject ground having been previously staked. However, immediately south of the Dash claims, a sixty-unit claim block owned by Clear Mines Ltd. covers several porphyry-type copper and copper-molybdenum showings which were worked on by Home Oil Ltd. in the early 1970's.

GEOLOGY

The property is underlain by Lower Cretaceous clastic sedimentary rocks cut by several strong, regional west to northwesterly-trending faults. Two small, Tertiary, feldspar prophyry plugs intrude this sedimentary succession near the south boundary of the claims. A fault slice? of serpentinized peridotite is emplaced along one of the splays of the Yalakom fault. Near the west boundary of the claim block a remnant of Late Tertiary plateau basalt overlies the older rocks.

The clastic sediments are part of the Jackass Mountain Group(north of the Yalakom Fault) and the Taylor Creek Group (south of the Yalakom Fault). Within the claim area these units are quite similar, being composed of pebble to cobble conglomerate, graywacke, and shale. The black shale of the Taylor Creek Group is more predominent near the south boundary of the Dash claims.

The feldspar prophyry intrusions consist of a gray to buff rock with a fine grained dense felsitic ground mass and about 20-30% euhedral potash feldspar phenocrysts up to 1 cm. in length. Additional small

intrusions of this porphyry are suspected as abundant float is noted in some of the tributaries of the southwest fork of Dash Creek where outcrop is extremely scarce.

Within the Yalakom - Taseko district, a number of mineral occurrences are spatially related to strong northwesterly-trending faults and small, subvolcanic, feldspar porphyry intrusions. These mineral deposits are generally of two types: (a). epithermal, vein type occurrences of mercury, antimony, gold and silver and various combinations of these metals, and (b). porphyry-type occurrences of copper and copper-molybdenum with or without significant gold.

The Dash property has the requisite environment to host either of these deposit types and was staked after regional silt sampling showed anomalous gold values on several creeks.

GEOCHEMISTRY

Geochemical exploration on the subject property consisted of stream silt sampling and soil sampling. Since original reconnaissance silting returned several anomalous values in the drainage of the southwest fork of Dash Creek, anomalous tributaries of this creek were very closely sampled.

A total of 140 silt samples were taken with sample spacing being approxmately 100 meters apart on anomalous creeks. Samples collected consisted of several handfuls of fine silt at each sample location. Sample stations were marked with yellow flagging and the appropriate sample number. After collection samples were stored and shipped in waterproof kraft envelopes.

Silt samples were analysed for gold and arsenic in the Vancouver laboratores of Bondar-Clegg and Company For gold,extraction was attained using fire assay and hot aqua regia with analysis by atomic absorpotion spectrophotometry. For arsenic, extraction was accomplished by perchloric-nitric acid with analysis by colorimetry.

Statistical analysis for gold in soils, gold in silts and arsenic in silts were all performed similarly by calculating the mean and standard deviation and classifying the data into the following categories:

Background	0	-	Mean
Possibly Anomalous	Mean	-	(Mean + 1 Std. Dev.)
Probably Anomalous	(Mean + 1 Std. Dev.)	-	(Mean + 2 Std. Dev.)
Definitely Anomalous	>	(Mean + 2 Std. Dev.	

The values were plotted on 1:10,000 scale base maps of the property and definitely anomalous, probably anomalous and possible anomalous areas were outlined (see figures #227A-4 and #227A-5).

The bulk of the anomalous gold values in silt occur in several clusters along four northeasterly draining tributaries of the southwest fork of Dash Creek. If the geochemical data are superimposed over the geological map, it can be seen that most of these clusters occur on or downstream from major through going faults. This would correspond to leakage from possible auriferous material within these fault zones.

Anomalous arsenic values correlate well with anomalous gold, with the same four tributaries carrying most of the higher values. However, the distinctive clustering of anomalous values is not as pronounced. This may be due to a "smearing effect" because of arsenic being much more mobile than gold.

Soil samples were collected at 50 meter intervals on grid lines spaced 500 meters apart (see figure #227A-4).

Samples were collected from the "B" horizon where possible (approximately 15 to 45 cm. deep). Samples stations were marked with the appropriate grid co-ordinates. Samples were stored and shipped in the usual kraft envelopes.

A total of 362 soil samples were collected and analysed for gold only, by Bondar, Clegg and Company of Vancouver, B. C.

The pattern for anomalous gold values in soils closely follows that established in silt sampling. A clustering of higher values was noted on various lines and the regional faults appear to be the loci for this clustering.

EXPLORATION POTENTIAL

Anomalous gold and arsenic values in soils and silts on the Dash claims appear to be related to strong, regional, northwesterly-trending faults. Additional feldspar porphyry intrusive bodies may also be present in the main area of interest as it is predominently overburden covered.

Therefore, there is good potential for the discovery of epithermal vein or shear zone - related precious metal deposits on the subject property. The location of additional porphyry type occurrences of copper-gold or copper-molybdenum-gold mineralization is also a possibility given the presence of known porphyry-type mineralization immediately adjacent to the Dash claims to the south.

Respectfully Submitted:

KERR, DAWSON AND ASSOCIATES LTD.,

James M. Dawson, P. Eng.,
GEOLOGIST

May 12th., 1980,

KAMLOOPS, B. C.

APPENDIX A

PERSONNEL

PERSONNEL

J. M. Dawson, P. Eng.	Geologist	-	September 10,23, 1979 March 11, 12, 1980 May 5,6, 1980 - 6 days
L. P. Duquette	Prospector	-	September 9-20, 1979 - 12 days
S. Williams	Bushman	-	September 9-20, 1979 - 12 days

APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

(1).	LABOUR:		
	J. M. Dawson, P. Eng., 6 days @ $180.00/day	$1,080.00	
	L. P. Duquette, 12 days @ $95.00/day	1,140.00	
	S. Williams, 12 days @ $75.00/day	900.00	$3,120.00
(2).	EXPENSES AND DISBURSEMENTS:		
	(a). Helicopter Charter: 10 hrs. @ $190.00/hour	$1,900.00	
	(b). Geochemical Analyses:.	2,370.00	
	(c). Drafting:	625.00	
	(d). Rental of Camp Equipment:. . .	220.00	
	(e). Food:	236.40	
	(f). Truck Rental:	188.25	
	(g). Miscellaneous Field Equipment, Maps, Sample Bags, etc. . . .	215.50	
	(h). Xerox, Blueprints, Telephone, Freight, Secretarial, etc. . .	177.30	5,932.95
	TOTAL HEREIN		$9,052.95

APPENDIX C

WRITER'S CERTIFICATE

JAMES M. DAWSON, P. ENG.
GEOLOGIST

SUITE 1 - 219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

CERTIFICATE

I, JAMES M. DAWSON, OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

(1). I am a geologist employed by Kerr, Dawson and Associates Ltd. of Suite #1, 219 Victoria Street, Kamloops, B. C.

(2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association of Canada and a Member of the Association of Professional Engineers of British Columbia. I have practised my profession for 17 years.

(3). I am the author of this report which is based on an exploration programme carried out on the subject property under my supervision.

KERR, DAWSON AND ASSOCIATES LTD.,

James M. Dawson, M. Sc., P. Eng.,
GEOLOGIST

May 12, 1980,
KAMLOOPS, B. C.

122° 55'

51° 12'

Trib. Dash Creek SW

Dash Creek No. 2

Dash Creek No. 1

Horse Trail

LEGEND

5	MIOCENE OLIVINE BASALT
4	FELDSPAR PORPHYRY STOCKS
3	SERPENTINIZED PERIDOTITE
2	TAYLOR CREEK GROUP – BLACK SHALE, SILTSTONE, & CONGLOMERATE.
1	JACKASS MOUNTAIN GROUP - GRAYWACKE, SHALE AND COARSE CONGLOMERATE.
	GEOLOGICAL CONTACT - INFERRED
	FAULT
	CLAIM BOUNDARY AND POST

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. M. DAWSON

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 8020

BARRIER REEF RESOURCES LTD. (N.P.L.)
904-675 WEST HASTINGS ST, VANCOUVER B.C.

RECONNAISSANCE GEOLOGY
DASH CLAIM GROUP

CLINTON MINING DIVISION BRITISH COLUMBIA

TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.	Scale: 1:10,000 1CM. = 100 M.
DRAWN BY: SPACE EXPLORATION SERVICES LTD.	Date: Nov. 1979
APPROVED BY: J.M. DAWSON P. ENG.	Drawing No. 227 A-3

To accompany a report by J.M. Dawson, P.Eng.

122° 55'

51° 12'

Camp

Trib. Dash Creek

Horse Trail

Prentice Lake

N

LEGEND

- ○ SOIL SAMPLE
- △ DC12 STREAM SEDIMENT SAMPLE & NUMBER
- ⊠ FLY CAMP
- □ CLAIM POST
- ≡≡≡ HORSE TRAIL

GOLD CONCENTRATION IN SOIL
(Parts per billion)

●	> 49.2	ANOMALOUS
◑	29.7 - 49.2	PROBABLY ANOMALOUS
◔	10.2 - 29.6	POSSIBLY ANOMALOUS
○	< 10.2	BACKGROUND

GOLD CONCENTRATION IN STREAM SEDIMENT
(Parts per billion)

▲	> 130	ANOMALOUS
◭	75.4 - 130	PROBABLY ANOMALOUS
◭	20.7 - 75.3	POSSIBLY ANOMALOUS
△	< 20.7	BACKGROUND

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.M. DAWSON

MINERAL RESOURCES BRANCH ASSESSMENT REPORT NO. 8020

BARRIER REEF RESOURCES LTD. (N.P.L.)

904-675 WEST HASTINGS ST. VANCOUVER B.C.

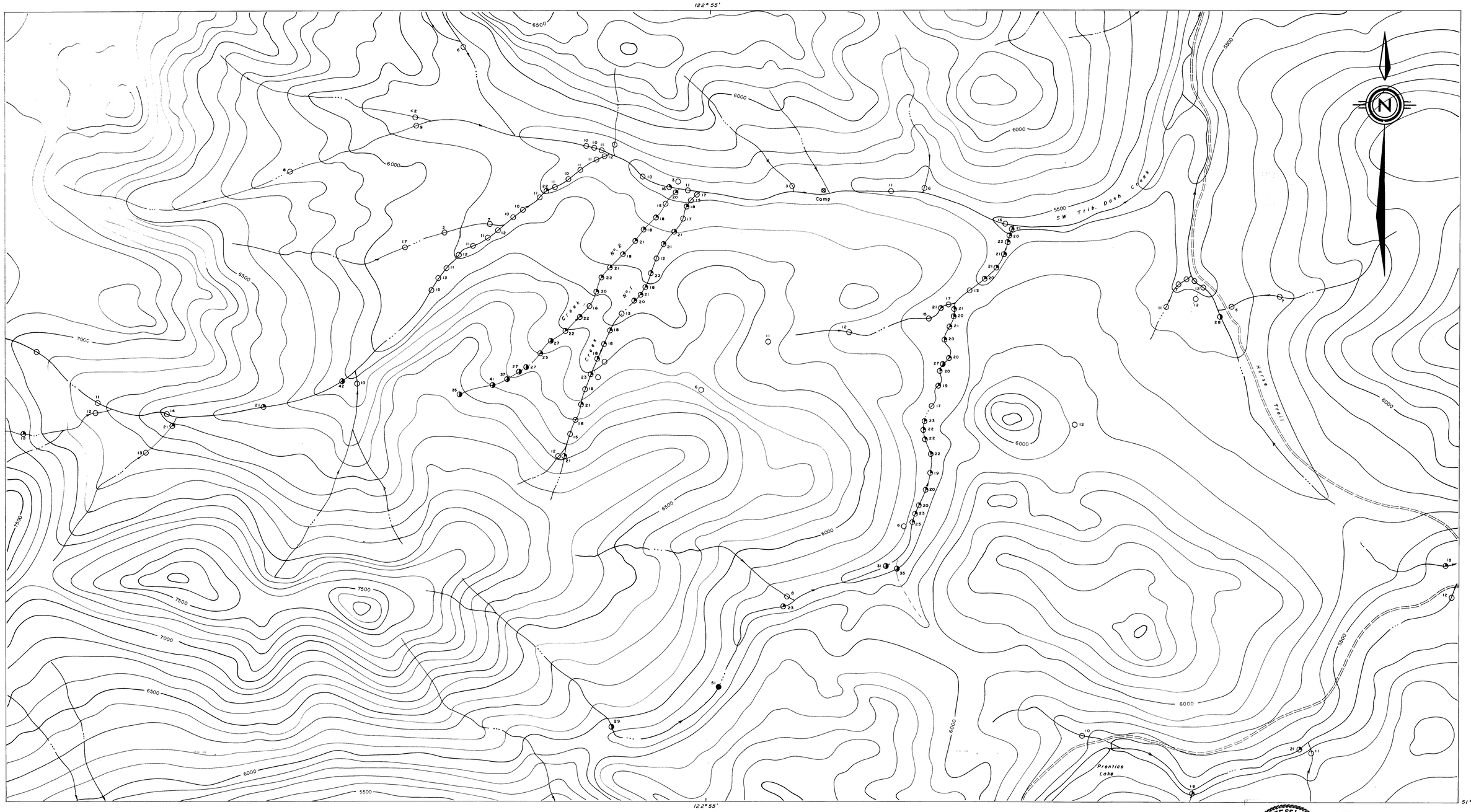
DASH CLAIM GROUP

GOLD CONCENTRATION IN SOIL AND STREAM SEDIMENT

CLINTON MINING DIVISION BRITISH COLUMBIA

TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.	Scale: 1:10,000 1 IDD. = 1 M
DRAWN BY: SPACE EXPLORATION SERVICES LTD.	Date: Nov. 1979
APPROVED BY: J.M. DAWSON P. ENG.	Drawing No. 227 A-4

To accompany a report by J.M. Dawson, P Eng.



LEGEND

- ○ SAMPLE LOCATION
- □ CLAIM POST
- ⊠ FLY CAMP
- === HORSE TRAIL

ARSENIC CONCENTRATION IN PARTS PER MILLION

●	> 42.5	ANOMALOUS
◑	25.3-42.5	PROBABLY ANOMALOUS
◔	17.3-25.2	POSSIBLY ANOMALOUS
○	< 17.3	BACKGROUND

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — J. M. DAWSON

MINERAL RESOURCES BRANCH ASSESSMENT REPORT NO. 8020

BARRIER REEF RESOURCES LTD. (N.P.L.)

904-675 WEST HASTINGS ST. VANCOUVER B.C.

DASH CLAIM GROUP

ARSENIC CONCENTRATION IN STREAM SEDIMENT

CLINTON MINING DIVISION BRITISH COLUMBIA

TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.	Scale: 1:10,000 1000 M
DRAWN BY: SPACE EXPLORATION SERVICES LTD.	Date: Nov. 1979
APPROVED BY: J.M. DAWSON P. ENG.	Drawing N°. 227 A-5

To accompany a report by J.M. Dawson, P.Eng.