

SANDS MINERALS CORPORATION

Prospectus

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THE COMPANY

Sands Minerals Corporation was incorporated on June 18, 1975 under the Companies Act, British Columbia. Upon the acceptance of this prospectus for filing by the Superintendent of Brokers, the Company shall be deemed to be a reporting company pursuant to the provisions of the Companies Act.

The registered and records office of the Company is 1190-700 West Georgia Street, Vancouver, B. C. and the head office of the Company is 575 Richards Street, Vancouver, B. C.

PLAN OF DISTRIBUTION

The Company offers by this prospectus 250,000 shares in its capital stock at 20¢ per share. Shares of this issue may be sold by trading directors of the Company. No commission or other remuneration will be payable to the trading directors of the Company in connection with this offering of shares. Shares of this issue may also be sold by brokers or broker-dealers who may receive up to 25% commission.

CAPITALIZATION

The authorized capital of the Company is 5,000,000 shares without par value. There is only one class of shares and all rank equally as to dividends, voting rights and participation in assets. All shares of the Company issued to the date hereof and those issued pursuant to this prospectus are and shall be fully paid and non-assessable.

Designation of Security	Share Capital Authorized	Outstanding as of July 31, 1975	Outstanding as of Oct. 22, 1975	Outstanding on completion of Offering
Common	5,000,000	798,502	798,502	1,048,502

AUDITORS

The auditors of the Company are Powell, Street & McKave of 7375 Kingsway, South Burnaby, B. C., V3N 3B5.

REGISTRAR AND TRANSFER AGENT

The registrar and transfer agent of the Company is The Metropolitan Trust Company, 544 Howe Street, Vancouver, B. C.

PRIOR SALES

Particulars of shares sold for cash during the past 12 months:

Number of Shares	Price	Commission	Cash Received
2	1.00	nil	\$ 2
61,000	.10¢	nil	\$ 6,100

The above 61,002 shares sold for cash are held in pool by The Metropolitan Trust Company and will be released 30 days after cessation of primary distribution to the public of the shares offered by this prospectus.

Particulars of shares sold for other than cash:

Number of Shares	Consideration
737,500	<u>Kamloops Mining District British Columbia</u> Mitchell 1 - 3 located mineral claims

The above 737,500 shares are held in escrow by The Metropolitan Trust Company, under the direction and control of the Superintendent of Brokers for British Columbia. (See paragraphs "Business and Property" and "Escrowed Shares").

BUSINESS AND PROPERTY

The Company is a mining company engaged in searching for and developing mineral properties.

Kamloops Mining District
British Columbia

The Company is the recorded and beneficial owner of the following located mineral claims:

<u>Claims</u>	<u>Record Numbers</u>	<u>Expiry Dates</u>
Mitchell 1	55	June 18, 1976
Mitchell 2 - 3	56 - 57	June 24, 1976

These claims are located approximately 9 miles south of Kamloops, B. C., near Mitchell Lake. Access to the property is by gravel road.

By an agreement dated July 15, 1975 between George G. Grauer of 378 Stevens Drive, West Vancouver, B. C. and the Company, the Company purchased the above claims for \$2,500 payable to George G. Grauer and 737,500 shares issuable 707,500 shares to George G. Grauer, 10,000 shares to Alexander L. Andrews, 10,000 shares to Paul Andreeff and 10,000 shares to Walter J. Moyls, all of whom are directors and promoters of the Company. No person is to receive a greater than 5% interest from the vendor, George G. Grauer, in the consideration received from the Company.

Work Done

The Company has done no work on the claims. There is no underground or surface plant or equipment thereon.

This property is without a known body of commercial ore.

History

The topographical location of the Mitchell group of claims is approximately the same area covered by the Constant group of claims which were allowed to lapse some years ago. The 1933 Report of the B. C. Minister of Mines contains the following articles about the Constant group of claims.

"Constant. This group, consisting of eight claims and situated about 9 miles south of Kamloops, is owned by H. Stephens and Associates, of Kamloops. A considerable amount of development by trenching, open-cutting, and shallow shafts (old work) has been done on numerous quartz veins. These veins are sparingly mineralized with pyrite and vary from 2 to 14 inches in width. They are found in the Cache Creek series of schistose rocks, spread over an area about 4,000 feet long and 1,500 feet wide. None of these veins outcrop on the strike for any great distance, and all of them appear to have been subjected to very severe faulting and shearing. In an 18 foot shaft sunk on an oxidized sheared zone about 6 feet wide, the quartz vein, striking N.60° E. (mag.) and dipping 45° south-east, varies

from 2 to 14 inches in width from the collar down and samples taken across it assayed: Gold, 0.70 oz. per ton; silver, 11.5 oz. per ton; and: Gold, 2.1 oz. per ton; silver, 1 oz. per ton, showing a wide difference in values. Within a distance of 200 feet, two other sparingly mineralized veins, one 6 inches and the other about 6 feet in width, strike N.65°W., and will intersect the shaft-vein about 300 feet north-west near a small bluff where tunnelling operations could be carried on. The shaft values are sufficiently interesting to warrant further exploration."

USE OF PROCEEDS

The Company plans to carry out the Stage 1 recommendations of H. A. Quin, Ph.D., P.Eng., contained in his report dated September 7, 1975 on the Mitchell claims, a copy of which is attached hereto and forms part of this prospectus.

Grid of picket lines	\$ 2,000
Electromagnetic survey	2,000
Geological mapping	2,000
Prospecting	1,500
Bulldozer stripping and trenching	2,000
Sampling and assays	2,000
Diamond drilling: 600 feet @ \$10	6,000
Engineering and supervision	1,500
Contingency	<u>1,000</u>
Total Stage 1	\$ 20,000

Additional expenditures contemplated are:

Costs of this issue including legal, audit and printing	\$ 5,000
Management fees \$300/month for 12 months	3,600
Vancouver Curb Exchange listing application fee	2,000
General corporate purposes	<u>9,171</u>
	<u>\$ 39,771</u>
Sale of shares	\$ 37,500
Funds on hand	<u>2,271</u>
	<u>\$ 39,771</u>

Note: The reserve for listing fee,
\$2,000, shall be lodged
with and held by The
Metropolitan Trust Company

The proceeds from the sale of shares offered by this prospectus are intended to be used for the purposes set forth above and in carrying out the above program of work and the Company will not discontinue or depart from the recommended program of work unless advised in writing by its consulting engineer to do so. Should the Company contemplate any such change or departure, notice thereof will be given to all shareholders.

In the opinion of the directors of the Company, the proceeds of this offering will be sufficient to carry out the recommended programs of work and to maintain the Company's properties in good standing. In the opinion of the Company's directors it will be necessary that all shares offered by this prospectus be sold to net the Company \$37,500 in order to carry out the above recommendations and provide for administration, the Vancouver Curb Exchange listing fee and adequate working capital. All monies received from the sale of shares during the 120 day period following November 6, 1975, the date of acceptance for filing of this prospectus by the Superintendent of Brokers, shall be held in trust by The Metropolitan Trust Company and if the objective of \$37,500 is not attained within the 120 days, all monies will be returned in full to the subscribers.

No part of the proceeds shall be used to invest, underwrite or trade in securities other than those that qualify as investments in which trust funds may be invested under the laws of the jurisdictions in which securities offered by this prospectus may lawfully be sold.

Should the Company intend to use the proceeds to acquire other than trustee type securities after the distribution of the securities offered by this prospectus, approval by the shareholders of the Company must first be obtained and notice of the intention filed with the regulatory securities bodies having jurisdiction over the sale of the securities offered by this prospectus.

PROMOTERS

The directors of the Company may be considered its promoters. As vendors of property to the Company, George G. Grauer, Alexander L. Andrews, Paul Andreeff and Walter J. Moys received 707,500, 10,000, 10,000 and 10,000 shares respectively. Also, George G. Grauer received the sum of \$2,500. The cost of the property sold to the Company by the vendors was approximately \$1,600. The purchase price of the property to the Company was determined and approved by the board of directors.

DIRECTORS AND OFFICERS

Name	Address	Office Held
George Gustav Grauer	378 Stevens Dr. West Vancouver, B.C.	Director & President
Walter Joseph Moys	4126 Highbury St. Vancouver, B.C.	Director & Secretary
Alexander Lewis Andrews	4305 Locarno Cres. Vancouver, B.C.	Director
Paul Andreeff	2148 Birch Street Point Roberts Washington, U.S.A.	Director

The principal occupations of the directors and officers during the past five years are as follows:

George Gustav Grauer B.Comm., C.A.	Public accountant - Partner in the firm of Avis, Grauer & Co., Chartered Accountants
Walter Joseph Moyls	Executive - President of Anderson and Miskin Limited
Alexander Lewis Andrews	Executive - President of Alandra Enterprises Ltd.
Paul Andreeff	Executive - President of Rupert Drilling Exploration Ltd.

REMUNERATION OF DIRECTORS AND SENIOR OFFICERS

During the financial period ending July 31, 1975 no remuneration was paid by the Company to its directors and senior officers. It is anticipated that during the financial year ending July 31, 1976 no remuneration will be paid to directors or senior officers as such. As a partner of the firm of Avis, Grauer & Co., which will provide accounting and management services for the Company, George G. Grauer will participate in fees paid by the Company. (See paragraph "Use of Proceeds").

ESCROWED SHARES

As of October 22, 1975, 737,500 shares are held in escrow by The Metropolitan Trust Company, 544 Howe Street, Vancouver, B. C., subject to the direction or determination of the Superintendent of Brokers. The escrow restrictions provide that the shares may not be traded in, dealt with in any manner whatsoever or released, nor may the Company, its transfer agent or escrow holder make any transfer or record any trading of the shares without the consent of the Superintendent of Brokers.

In the event the Company loses or abandons or fails to obtain title to all or part of the property or assets for which it allotted all or part of the escrow shares, the Company will declare any such event to the Superintendent of

Brokers by way of directors resolution and the holders of such shares, the trustee thereof and the Company have agreed that such number of the said shares as the Superintendent of Brokers determines shall have become subject to cancellation, shall be surrendered to the Company by way of gift for cancellation. The complete text of the escrow agreement is available for inspection at the office of The Metropolitan Trust Company.

Designation of Class	Number of Shares Held in Escrow	Percentage of Class
common	737,500	92.36%

PRINCIPAL HOLDERS OF SECURITIES

As of October 22, 1975, the following table sets forth the number of shares owned of record or beneficially, directly or indirectly, by each person who owns more than 10% of the Company's shares:

Name and Address	Type Of Ownership	Number Of Shares	Percentage of Shares Outstanding
George G. Grauer 378 Stevens Drive West Vancouver, B. C.	Record and Beneficial	707,502	88.60%

All directors and senior officers of the Company beneficially own, directly or indirectly, 92.36% of the shares outstanding.

INTEREST OF MANAGEMENT AND OTHERS IN MATERIAL TRANSACTIONS

Four directors of the Company, who are also promoters of the Company (see paragraph "Promoters"), have received shares pursuant to an agreement for the sale of property to the Company.

MATERIAL CONTRACTS

The property acquisition agreement referred to in this prospectus may be inspected during normal business hours at the Company's records office at 1190-700 West Georgia Street, Vancouver, B. C.

STATUTORY RIGHTS OF WITHDRAWAL
AND RESCISSION

Sections 61 and 62 of the Securities Act, (British Columbia) provide, in effect, that where a security is offered to the public in the course of primary distribution:

- (a) A purchaser has the right to rescind a contract for the purchase of a security, while still the owner thereof, if a copy of the last prospectus together with financial statements and reports and summaries of reports relating to the securities as filed with the Superintendent of Brokers, was not delivered to him or his agent prior to delivery to either of them of the written confirmation of the sale of securities. Written notice of intention to commence an action for rescission must be served on the person who contracted to sell the security within 60 days of the date of delivery of the written confirmation, but no action shall be commenced after the expiration of three months from the date of service of such notice.
- (b) A purchaser has the right to rescind a contract for the purchase of such security, while still the owner thereof, if the prospectus or any amended prospectus offering such security contains an untrue statement of a material fact or omits to state a material fact necessary in order to make any statement therein not misleading in the light of the circumstances in which it was made, but no action to enforce this right can be commenced by a purchaser after expiration of 90 days from the later of the date of such contract or the date on which such prospectus or amended prospectus is received or is deemed to be received by him or his agent.

Reference is made to the said Act for the complete text of the provisions under which the foregoing rights are conferred.

POWELL, STREET & McKAVE
CHARTERED ACCOUNTANTS

AUDITORS' REPORT

The Shareholders
Sands Minerals Corporation

We have examined the balance sheet of Sands Minerals Corporation as at July 31, 1975 and the related statement of source and application of funds for the period then ended. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

A significant part of the assets of the company consists of mining claims and deferred exploration and administrative expenditures. Recovery of these costs is dependent upon the success of future exploration of the properties, together with the adequate future financing thereof.

In our opinion, these financial statements present fairly the financial position of the company as at July 31, 1975 and the source and application of its funds for the period then ended, in accordance with generally accepted accounting principles.

Powell, Street & McKave

CHARTERED ACCOUNTANTS

Burnaby, B.C.
August 14, 1975

SANDS MINERALS CORPORATION
(Incorporated June 18, 1975)
BALANCE SHEET
AS AT JULY 31, 1975

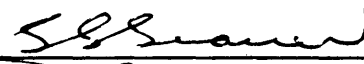
ASSETS AND DEFERRED CHARGES

CASH		\$ 2,727
MINING CLAIMS (Note 1)		
Rights to claims acquired by issue of 737,500 shares at a value of 10¢ per share	\$73,750	
Rights to claims acquired for cash	<u>2,500</u>	76,250
DEFERRED EXPLORATION AND ADMINISTRATIVE EXPENDITURES (Schedule I)		900
INCORPORATION EXPENSE		<u>431</u>
		<u>\$80,308</u>

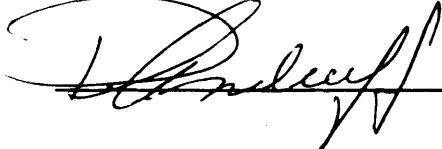
LIABILITIES AND SHARE CAPITAL

ACCOUNTS PAYABLE AND ACCRUED CHARGES		\$ 456
SHARE CAPITAL		
Authorized:		
5,000,000 shares without par value		
Issued and fully paid:		
2 shares for \$1.00 cash each	\$ 2	
61,000 shares for 10¢ each	6,100	
737,500 shares as consideration for rights to claims (Note 1)	<u>73,750</u>	<u>79,852</u>
798,502		<u>\$80,308</u>

APPROVED ON BEHALF OF THE BOARD:



Director



Director

The accompanying notes form an integral part of these financial statements.

SANDS MINERALS CORPORATION
STATEMENT OF SOURCE AND APPLICATION OF FUNDS
FOR THE PERIOD FROM THE DATE OF INCORPORATION
ON JUNE 18, 1975 TO JULY 31, 1975

SOURCE OF FUNDS		
Issue of shares		\$6,102
APPLICATION OF FUNDS		
Payment of incorporation expenses	\$ 431	
Deferred exploration and administrative expenditures	900	
Purchase of mineral claims	<u>2,500</u>	<u>3,831</u>
WORKING CAPITAL JULY 31, 1975		<u>\$2,271</u>

The accompanying notes form an integral part of these financial statements.

SANDS MINERALS CORPORATION
SCHEDULE OF DEFERRED EXPLORATION AND ADMINISTRATIVE EXPENDITURES
FOR THE PERIOD FROM THE DATE OF INCORPORATION
ON JUNE 18, 1975 TO JULY 31, 1975

Engineering and consulting	3675
Legal and audit	<u>225</u>
BALANCE AS AT JULY 31, 1975	3900

SANDS MINERALS CORPORATION
(Incorporated June 18, 1975)
NOTES TO THE FINANCIAL STATEMENTS
JULY 31, 1975

1. On July 15, 1975 the company acquired three mineral claims situate in the Kamloops Mining District, Province of British Columbia (more particularly known as Mitchell 1 - 3) for twenty-five hundred dollars (\$2,500.00) cash and seven hundred thirty-seven thousand, five hundred (737,500) shares of the capital stock of the company. Mining claims are recorded at cost and do not purport to represent present or future value.
2. No remuneration was paid or payable to the directors of the company during the period ended July 31, 1975 in their capacity as directors, officers or employees of the company.

MITCHELL CLAIMS
(CONSTANT GROUP)
of
SANDS MINERALS CORPORATION
at Mitchell Lake
Kamloops Mining Division, B. C.
50°36'N. 120°16'W.

by

H. A. Quin, Ph.D., P.Eng.

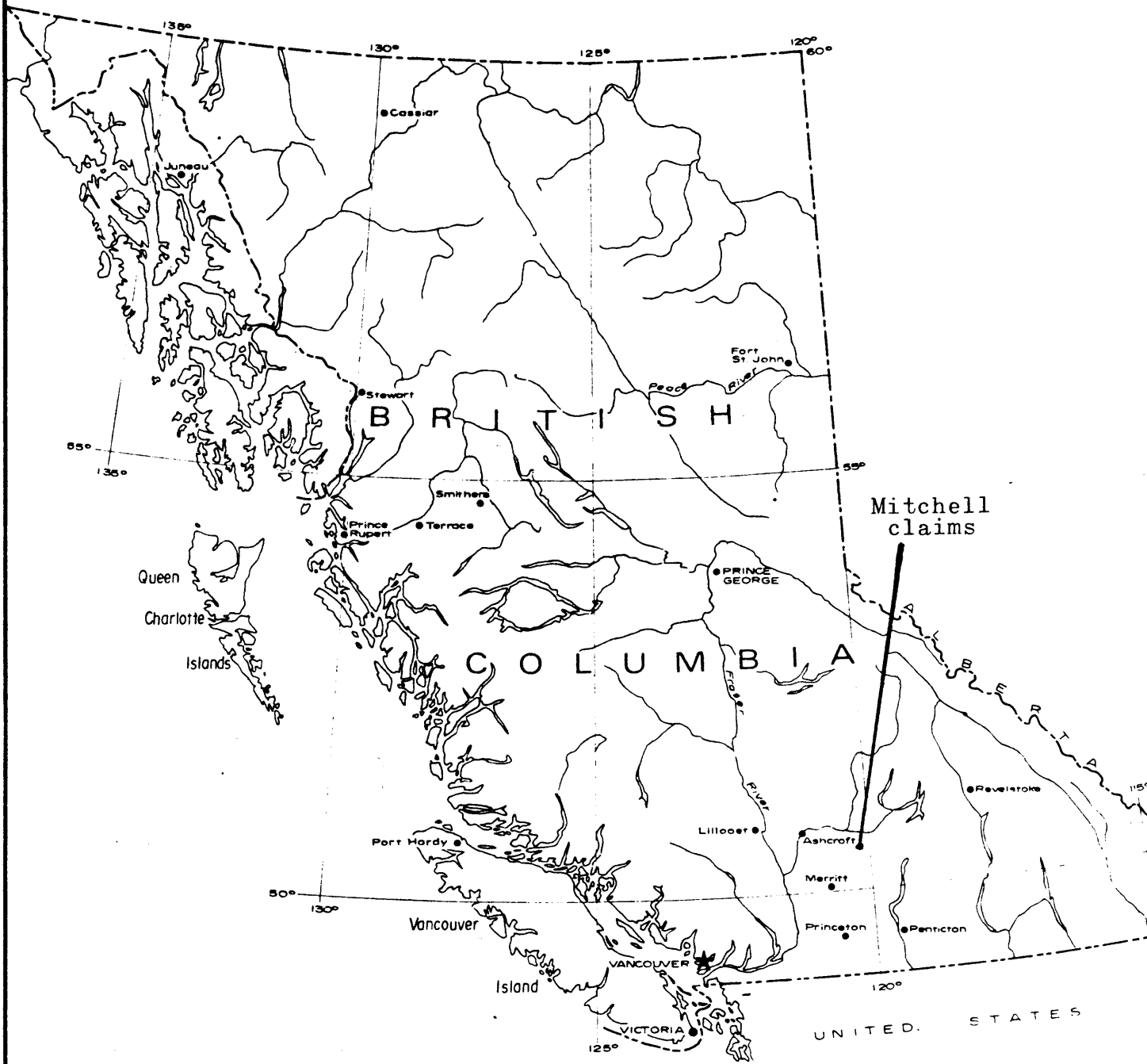
Consulting Geologist

8-784 Thurlow Street
Vancouver, B.C.
V6E 1V9

Telephone (604) 684-2741

September 7, 1975

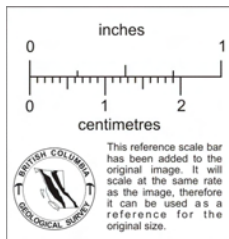




SANDS MINERALS CORPORATION

LOCATION MAP

H. A. Quin
September 7, 1975



H. A. Q.
H. A. Quin

C O N T E N T S

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APPENDIX I - CERTIFICATE OF ASSAY NO. 7507-2856
of General Testing Laboratories,
Vancouver dated August 8, 1975

APPENDIX II - CERTIFICATE of Semi Quantitative
Spectrographic analyses No. 7507-
2856 of General Testing Labora-
tories, Vancouver dated August
15, 1975

MAPS:

1. Location Map, 1" = 134 miles
2. Topographic Map, 1:50,000
3. Map 887A, G.S.C., Mineral Localities, 1" = 4 miles



S U M M A R Y

Sands Minerals Corporation holds the Mitchell group of 3 contiguous mineral claims (8 units) with total area of about 200 hectares near Mitchell Lake in Kamloops Mining Division, British Columbia. The Constant shaft on the property is at latitude 50°36' north and longitude 120°16' west, 3 air miles southeast of Knutsford and 6 air miles southeast of Kamloops. The property is in grasslands 3,100 feet A.S.L. and is traversed by the Rose Hill gravel road.

The property is underlain by meta-sedimentary and meta-volcanic (?) Palaeozoic rocks of the Cache Creek Group of Carboniferous and/or Permian age. These rocks are invaded by granitic rocks of the Coast Intrusions of Jurassic and later ages.

From 0.7 to 3 ounces of gold and from 0.1 to 11.5 ounces of silver per ton have been found in the main vein and its shear zone which have been explored by the 22-foot Constant inclined shaft.

Because of the presence of substantial amounts of gold and silver, it is recommended that \$40,000 be spent in a 2-stage program to explore the property further.



I N T R O D U C T I O N

This report was prepared at the request of Mr. George G. Grauer of Sands Minerals Corporation, #400 - 575 Richards Street, Vancouver, B. C.

On Saturday, July 5, 1975 Mr. Grauer and his son Todd took me by automobile from Vancouver to Knutsford and Mitchell Lake to inspect the Constant gold property covered by 3 Mitchell claims of Sands Minerals Corporation. Using government maps and a claim map supplied by John H. Kruzick, both showing the Constant shaft and Mitchell #1 mineral claim as being due south of Mitchell Lake, we searched in vain for the shaft and for claim posts. We arrived back at Vancouver at 11:45 P.M., P.D.T. after a trip of 565 miles.

On Tuesday, July 15, 1975 I flew to Kamloops from Vancouver with geologist James W. McLeod via Pacific Western Airlines in 25 minutes. At Kamloops airport we rented a Chevrolet Nova from Budget Rent-a-Car and drove south from Kamloops on Provincial Highway No. 5 to Knutsford and east from there on the gravel Rose Hill Road for $2\frac{1}{2}$ miles. After inspecting several of the posts of the Mitchell group we found the Constant shaft at 10:35 a.m. on a hill 500 feet south of the road ---- some 600 feet S. 15° E. of a large abandoned barn and corrals on the north side of the road. The shaft is $\frac{1}{2}$ mile southwest of Mitchell Lake!!



After inspecting and sampling the Constant vein and shaft we drove southwest to Merritt where we discussed the property with geologist Sherwin F. Kelly, P.Eng., and his partner Wallace McClelland in their office above Cesare's Furniture on Front (?) Street. After returning to Kamloops we flew back to Vancouver at 7 p.m.

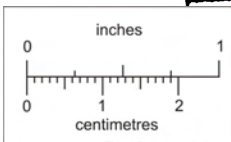
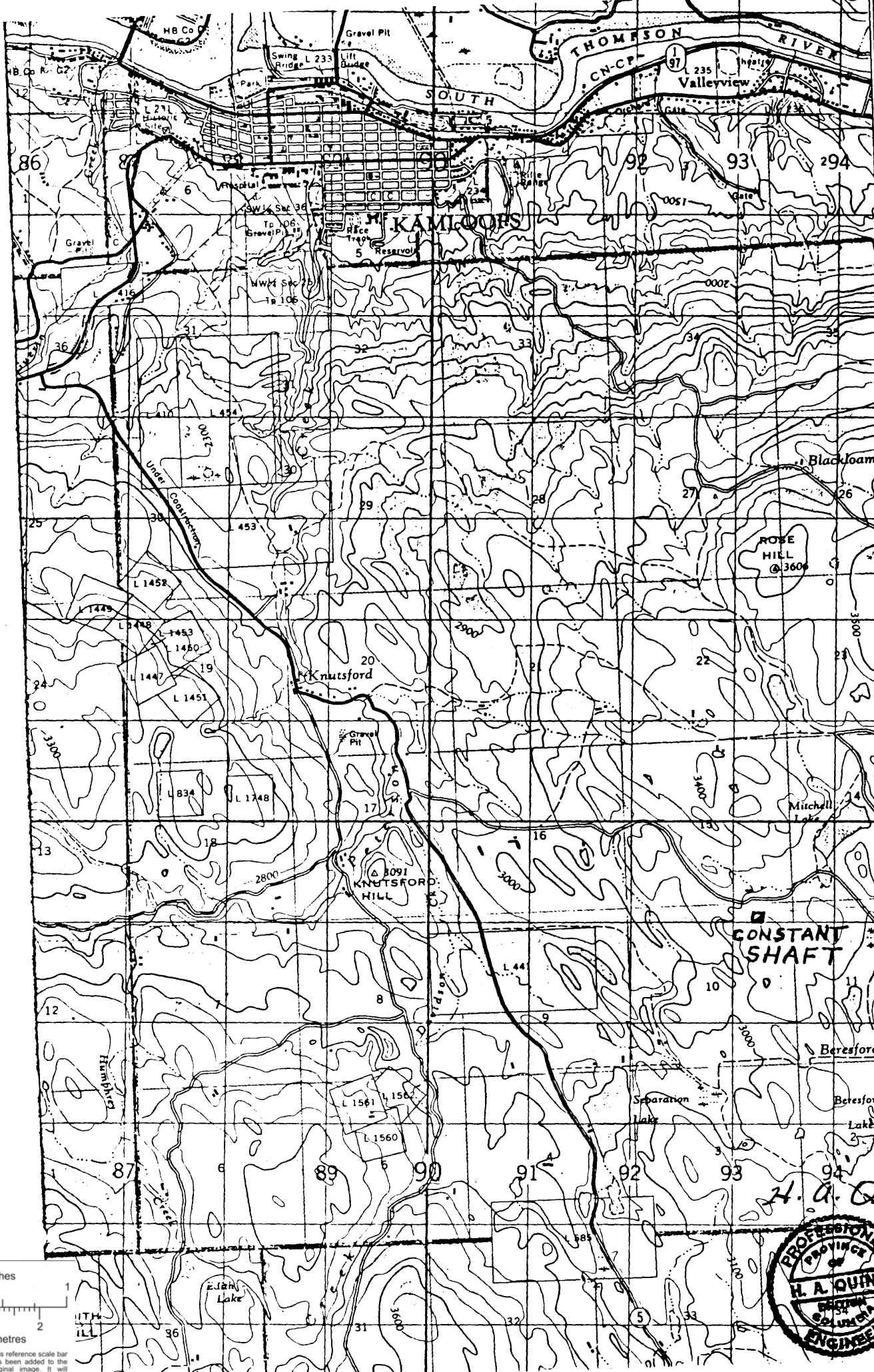
T H E P R O P E R T Y

The Mitchell property consists of a group of 3 contiguous mineral claims straddling the Rose Hill Road about 2 miles east of Knutsford, B.C. in the Kamloops Mining Division. They extend west and southwest from Mitchell Lake. The claims were staked by John H. Kruzick of 7132 Buffalo Street, Burnaby 2, B.C. in June, 1975 with F.M.C. 137007.

Claim Mitchell #1 was located on June 3 to cover the Constant vein and shaft. On June 21 claim Mitchell #2 was located south of Mitchell #1. Also on June 21 claim Mitchell #3 of 6 units (claims) was located west of Mitchell claims 1 and 2. The claims were recorded at Vancouver on June 18 and June 24, 1975. No copy of the government claim map is included in this report because it shows the wrong locations for all of the Mitchell claims. The property consists of 8 units, each 500 meters (1640.42 feet) square and each containing 25 hectares (61.78 acres) located under the new Modified Grid System. A modified grid claim may include as many as 20 units. C'est la vie!!

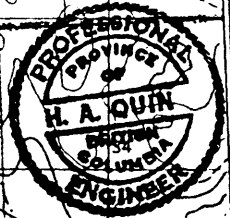


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H. A. Quinn
 P. E. G.



L O C A T I O N A N D A C C E S S

The property is 3 air miles southeast of Knutsford in the Kamloops Mining Division of British Columbia. The shaft, in the northeast claim of the group, is at $50^{\circ} 36'$ north latitude and $120^{\circ} 16'$ west longitude, some 6 air miles southeast of the City of Kamloops.

The shaft is $2\frac{1}{2}$ miles east of provincial highway No. 5 and 500 feet south of the Rose Hill gravel road. This road runs easterly through the claims, making access to them easy and simple. They are 284 miles by road (via Merritt and Spences Bridge) northeast of Vancouver.

The property is in fenced grasslands at an average elevation of 3100 feet above sea level. Relief is moderate, with grassy hills 100 to 200 feet high trending mostly south-easterly parallel to the direction of Pleistocene ice sheet movement. The collar of the Constant shaft is near the top of a hill at 3200 feet A.S.L., some 80 feet above the road and is not visible from the road. A small north-trending elongate lake or pond, about 100 feet wide by 500 feet long, lies at the western base of the hill --- some 350 feet west of the shaft. This good source of water for diamond drilling is not shown by any government map.



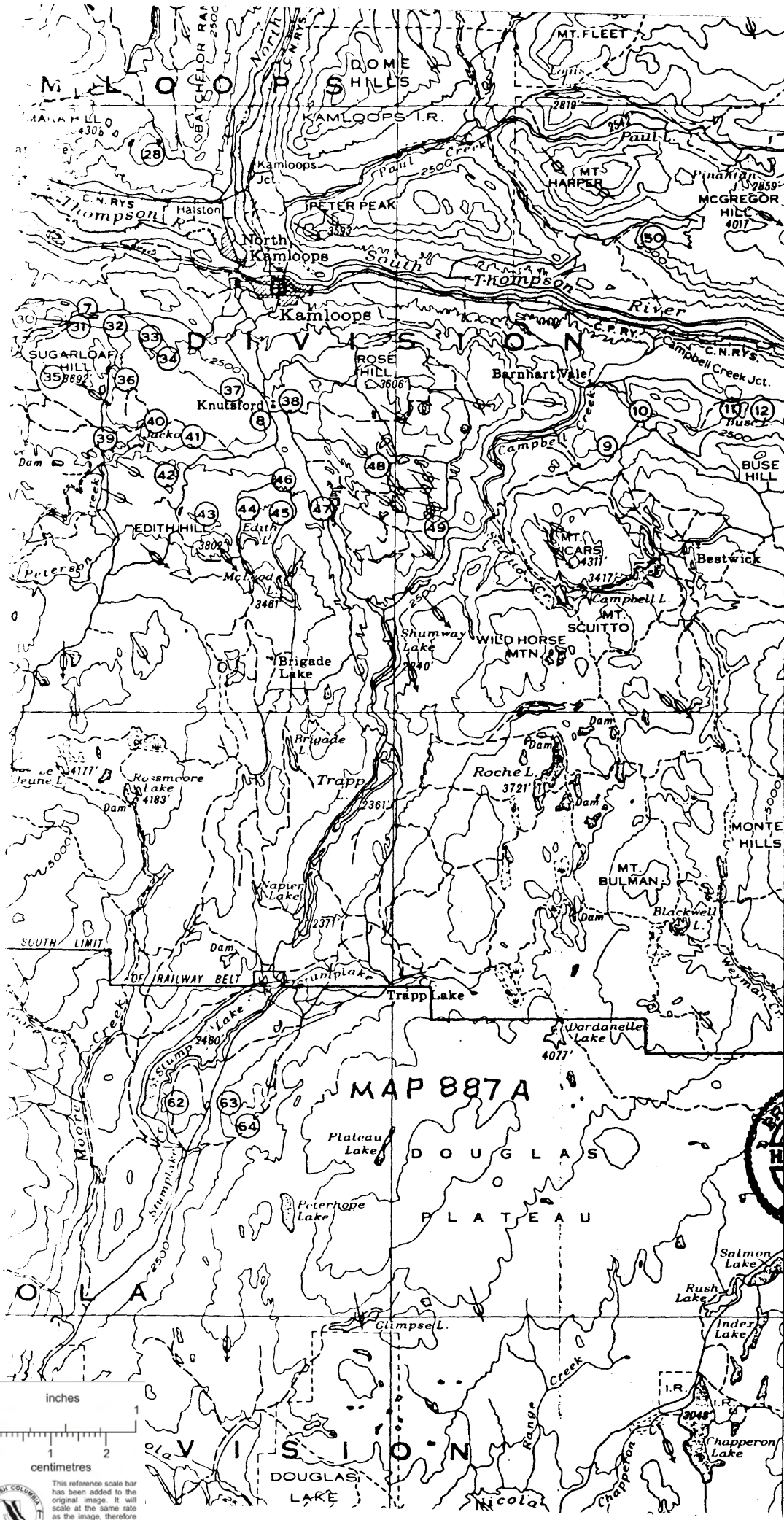
H I S T O R Y

Except for the sparse information given in government reports about it, little is known about the history of the property. According to Freeland in the annual report of the B.C. Minister of Mines for 1933, H. Stephens and associates of Kamloops owned the Constant group of 8 claims here at that time. Much trenching, open-cutting and sinking of shallow shafts had been done on numerous quartz veins. A copy of an account of this work is given below under "Geology".

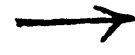
According to Cockfield (3), who did the field work for G.S.C. Memoir 249 in 1939, 1940, 1941 and 1943, and which was published in 1948, the Constant group was still owned by H. Stephens of Kamloops and associates at that time. He supplemented the geological information given by Freeland in 1933, but gave no further historical information.

As far as I know, no work was done on the property from 1933 to 1975. Geologist Jim W. McLeod of 4086 West 17th Avenue, Vancouver visited it in 1972 or 1973 when he was mapping a large area around it for one of the big mining companies.





- 8 S. and T. group (Davis property) Mercury
- 9 Charbonneau property Mercury
- 10 Sabiston property Mercury
- 11 Copper Creek mercury claims Mercury (Formerly Cinnabar Mining Co. of B.C.)
- 12 Copper prospect near Copper Creek Coy
- 13 Tenderfoot claim Copper
- 14 Cinnabar prospect east of Copper Creek
- 15 North Pine and South Pine claims Merc
- 16 North Star (Maxine) group Copper
- 17 Allies group Gold
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- 22 Quartz veins near Ramage Gold
- 23 Iron Range group Iron
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- 26 Glen Iron mine Iron
- 27 Copper King mine, Cherry Creek Coppe
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- 30 Magnet, Moose, Signal and Anvil claims
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- 40 No. 7 claim Copper
- 41 Wheel Tamar (Kamloops Queen) claim
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- 43 Chance group Copper, Gold
- 44 Fargo group Copper
- 45 Utopia claim Copper
- 46 Dewey group Copper
- 47 Grey Mask group Copper
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- 50 Riverside claim Gold
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- 53 Ford group Copper
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- 56 Gold Gossan group Gold, Silver
- 57 Last Chance group, Swakum Mtn. Cop
- 58 Alameda group
- 59 Corona group } Formerly Sheffield Gc
- 60 Thelma group } and Silver Mines Ltd.
- 61 'A' group Gold, Silver
- 62 Consolidated Nicola Goldfields, Ltd. Gol
- 63 Don group (Scottie) Gold, Silver
- 64 Jean group (Mary Reynolds) Gold, Silv
- 65 Eric claim Copper
- 66 Peacock (Hunter) group Copper, Gold
- 67 Copper Belle and Anaconda groups Coy
- 68 Comstock of B.C. Ltd. Silver, Lead
- 69 Iron King and Iron Queen Iron
- 70 Nicola Lake group Copper, Gold
- 71 Sunny Boy group Copper
- 72 Lakeshore Deep group Copper

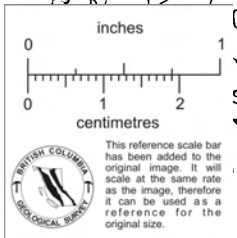


NON-METALLIC

- 1 Diatomite, Red Lake Diatomite
- 2 Carabine Creek gypsum deposit Gyps
- 3 Soda Lake, west of Tranquille Sodium s
- 4 Magnesium Sulphate Lake Magnesium
- 5 B.C. Sodium Syndicate Sodium carbon
- 6 B.C. Sodium Syndicate Sodium sulphat
- 7 Iron Mask Lake Sodium sulphate
- 8 Knutsford gypsum deposit Gypsum
- 9 Campbell Range hydromagnesite depos
- 10 Barnhart Vale hydromagnesite deposit
- 11 Buse Lake Sodium carbonate
- 12 Buse Lake hydromagnesite deposit Hy
- 13 Merritt gypsum deposit Gypsum
- 14 Middlesboro colliery Coal
- 15 Diamond Vale colliery Coal
- 16 Quilchena bentonite Bentonite
- 17 Quilchena Creek coal Coal



H. A. Quin
 Mining Division boundary....
 Mining Recording Office.....
 Metallic mineral localities....
 Non-metallic mineral localitie.
 Glacial striae.....



G E O L O G Y

Regional

According to G.S.C. map 886A by Cockfield in Memoir 249, the property is underlain by a southerly trending tongue of the large area of Palaeozoic rocks of the Cache Creek Group found along the North Thompson River north of Kamloops, and in the Douglas Plateau southeast of Stump Lake. It is about $\frac{1}{2}$ mile west of the eastern contact of the Cache Creek tongue with the granitic rocks of the Coast Intrusions of Jurassic age which intrude the older rocks in the area. It appears to be underlain by the "argillite, quartzite and hornstone" member of the Cache Creek Group of Carboniferous and/or Permian age.

According to G.S.C. map 887A, the glacial striae and drift ridges and drumlins in the area trend southeasterly.

The Property

The geology of the property and its quartz veins and shaft and the gold values therein have been well-described by both Freeland in 1933 and by Cockfield in 1948. Their accounts are given verbatim on the next 2 pages of this report.

The rocks on the property are fine-grained grey to greenish grey massive rocks which weather grey to pale greenish grey. They are traversed by many cleavages, fractures, joints,



On the *Barlow*, *Black Rock*, and *Joyce*, owned by J. R. Thornton and associates, of Salmon Arm, similar types of mineral were found.

* Constant. This group, consisting of eight claims and situated about 9 miles south of Kamloops, is owned by H. Stephens and associates, of Kamloops. A considerable amount of development by trenching, open-cutting, and shallow shafts (old work) has been done on numerous quartz veins. These veins are sparingly mineralized with pyrite and vary from 2 to 14 inches in width. They are found in the Cache Creek series of schistose rocks, spread over an area about 4,000 feet long and 1,500 feet wide. None of these veins outcrop on the strike for any great distance, and all of them appear to have been subjected to very severe faulting and shearing. In an 18-foot shaft sunk on an oxidized sheared zone about 6 feet wide, the quartz vein, striking N. 60° E. (mag.) and dipping 45° south-east, varies from 2 to 14 inches in width from the collar down, and samples taken across it assayed: Gold, 0.70 oz. per ton; silver, 11.5 oz. per ton; and: Gold, 2.1 oz. per ton; silver, 1 oz. per ton, showing a wide difference in values. Within a distance of 200 feet, two other sparingly mineralized veins, one 6 inches and the other about 6 feet in width, strike N. 65° W., and will intersect the shaft-vein about 300 feet north-west near a small bluff where tunnelling operations could be carried on. The shaft values are sufficiently interesting to warrant further exploration.

GENERAL.

According to reports, the *Queen Bess*, on the North Thompson river, is to be reopened by the Region Gold Mines, Limited, a private company recently reorganized into a public company, Region Mines, Limited. In the 1917, 1918, 1919, 1924, and 1929 Annual Reports this mine is mentioned. The ore is silver-lead-zinc.

PLACER-MINING.

Louis, Noble, Jamieson, Hefley, and other creeks flowing into the North Thompson river from both sides north of Kamloops were worked chiefly by men holding provisional free miners' certificates. No outstanding discoveries were made, but a living was obtained in most cases. On Noble creek an old channel remnant about 15 feet above the present creek produced some fairly coarse gold, and on the adjoining lease up-stream the same type of gold was found in occasional bed-rock "guts." On Louis creek, for 2 miles up-stream from its outlet, sluicing was carried on near the old hydraulic workings and on some of the old Tertiary gravel-beds. On Jamieson creek, although attractive values were found in pockets, the heavy glacial overburden, generally low grade, prevented successful mining. From Hefley creek and the streams flowing into Hefley lake good values are reported as found. This area was not examined in 1933.

On Scotch creek, which flows into Shuswap lake from the north a few miles above its outlet, much placer-mining was done by individuals and small syndicates, and although probably only 100 oz. of gold, some of which was coarse, was recovered, work was done to prove the existence of some old channels 200 feet above the stream. These may pay to work if a proper head of water can be obtained without pumping. The creek and its tributaries drain an area extending for 25 miles north of Shuswap lake, and past local history indicates that a considerable amount of placer gold was mined between the years 1880 and 1900 by Chinese and Europeans. Evidence of very old work can be seen on the creek as far up as the 21-Mile post. Preliminary testing of some of the bench-gravels showed the possibility of obtaining values from 25 cents to \$1.50 a cubic yard.

NON-METALLICS.

(See Annual Reports for 1930 and 1932.) Under the name of this syndicate, B.C. Sodium C. W. Austin and associates, of Kamloops, mined, cleaned, and shipped about 300 tons of sodium carbonate for use as sal soda to the Royal Crown Soaps, Limited, in Vancouver and Calgary. This sodium carbonate was obtained from their deposit, situated about 2½ miles west of Cherry creek, a northerly-flowing tributary of Kamloops lake. A road was built between the sodium carbonate and the sodium sulphate lakes, about three-quarters of a mile long. Facilities for producing soda were improved. Much experimenting was done with a view to producing salt cake (anhydrous sodium sulphate) and possibly soda ash. A small testing plant was built on the ground and information obtained should ensure the best possible choice of process and type of plant for the purposes mentioned.

Report of the B. C. Minister of Mines, 1933

By P. B. Freeland



G.S.C. Memoir 249
1948 73

(48) Constant Group

Reference: B.C. Minister of Mines, Ann. Rept., 1933, p. 195.

The Constant group, situated about 5 miles southeast of Kamloops, is owned by H. Stephens, of Kamloops, and associates. Exploratory work has been done on a number of quartz veins occurring in the rocks of the Cache Creek group. The showings are spread over a considerable area, but none of the veins has been traced for any distance on the surface.

The principal working is a 20-foot, inclined shaft that follows a shear zone striking southeast and dipping 40 to 50 degrees southwest. It ranges from 6 feet in width at the top of the shaft to about 18 inches at the bottom, and carries a quartz vein 2 to 14 inches wide. The zone is oxidized and carries much limonite. At the bottom of the shaft there are bunches of quartz in the country rock. A grab sample of the oxidized material is reported to have assayed 3 ounces of gold a ton. Two samples taken by Freeland (1933, p. 195) assayed: gold 0.70 ounce and silver 11.5 ounces a ton, and gold 2.1 ounces and silver 1 ounce a ton respectively.

The vein has been exposed in a trench a few feet northwest of the collar of the shaft, but the trench is now sloughed in and the vein concealed. The quartz on the dump shows some pyrite and a little chalcopyrite. Several other trenches have been dug southeast and northwest of the showing, but at the time of the writer's visit were sloughed in.

(17) Allies Group

References: B.C. Minister of Mines, Ann. Repts.: 1924, p. 147; 1931, p. 107; 1932, p. 145; 1933, p. 193; 1934, p. D26; Bull. No. 1, 1932, p. 67.

The Allies group of eight claims, owned by E. T. Batchelor of Kamloops, is situated near the head of Cannel Creek, a tributary of Watching Creek, about 24 miles by road from Kamloops. The property was prospected extensively by Vancouver interests under the direction of D. B. Sterritt of Kamloops because of the discovery of high-grade gold ore. This discovery was later proved to consist of float, but considerable work was done to try to find similar ore in place.

The claims lie in a small basin near the head of the creek where older rocks are exposed, capped by relatively flat-lying Tertiary basalt. The older rocks exposed consist of serpentine cut by dykes of grey porphyry. The porphyry dykes do not, so far as has been observed, cut the basalt. Quartz veins and stringers within the porphyry carry pyrite, galena, and chalcopyrite, and constitute the ore.

At the original discovery extremely large blocks of porphyry projecting from the surface of the ground give the appearance of an outcrop, but a shaft with a drift underneath these in boulder clay showed the blocks to be float. The porphyry at this point is a dark grey, dense rock with phenocrysts of hornblende and feldspar. It carries considerable quartz in small veins and stringers. Two samples across stringers of 5 inches and 8 inches are reported to have yielded 1.42 ounces and 1.32 ounces of gold to the ton respectively.

By W. E. Cockfield



beds (?) etc. and usually break into small slabs or blocks about 1 inch thick by 2 to 3 inches long. A few of them contain 5% of fine-grained biotite and are probably meta-sedimentary. The greenish grey massive crystalline varieties may be altered andesite. Because of the maze of closely-spaced fractures no bedding planes were recognized.

According to my Brunton compass, the shear zone and its contained quartz-carbonate veins, followed down dip by the Constant inclined shaft for 22 feet, strikes 105° and dips 45° southerly. The shaft is about 10 feet wide (along the shear zone) at surface but tapers to 3 or 4 feet wide at its bottom. At most places in the shaft the shear zone is 1 to 2 feet thick and has an 8-inch quartz-carbonate vein on its hanging wall side and a 4-inch quartz-carbonate vein on its footwall side.

The shear zone material is a pale greyish green, soft, highly altered, sheared, fine-to medium-grained rock that weathers grey. Where it is well mineralized with 5 - 10% pyrite it is leached and weathers to a dark brick red colour. It is silicified in part --- with introduced grains of white to grey quartz. It contains 1 to 2% of a fine-grained grey metallic mineral in discrete rounded masses up to $\frac{1}{8}$ inch across and in ribboned veinlets up to $\frac{1}{2}$ inch thick. Some of the rounded masses appear to have a pyrite core. A tiny flake of native gold was seen in Sample 524-C taken for assay.



Because of previous gopher-holing by others it was not possible for us to obtain a sample of the quartz veins from the shaft with the tools which we had with us. As a result, composite Sample 525-C of quartz with minor carbonate was picked up from the dump at the west edge of the collar of the shaft. One piece of grey to white quartz 3 inches thick was ribboned by $\frac{1}{8}$ -inch veinlets of a fine-grained grey metallic mineral and $\frac{1}{8}$ -inch veinlets and discrete grains of pyrite, plus a silvery grey metallic mineral in striated crystals, probably arsenopyrite. Other pieces in this composite sample were barren white bull quartz with brick red stains on their surfaces and in fractures in them.

ASSAY of the 2 samples gave the following results
(See Appendix I):

<u>No.</u>	<u>Gold</u> oz/ton	<u>Silver</u> oz/ton
524-C	0.956	0.16
525-C	0.121	0.10



I am surprised that the shear zone material of our samples contained more gold than the grey quartz well-mineralized with a grey metallic mineral, pyrite and arsenopyrite.

Appendix II is a semi quantitative spectrographic analysis of Sample 524-C. It indicates that the shear zone contains more than $\frac{1}{2}\%$ arsenic (probably mostly in arsenopyrite),

0.01% antimony, 0.001% bismuth, 0.0005% silver and 0.002% zirconium. The identity of the fairly abundant dull grey metallic mineral remains a mystery. I had thought that it might be a silver-bearing mineral, but the analyses and the assays seem to disprove this theory.

C O N C L U S I O N S

1. Sands Minerals Corporation holds the Mitchell group of 3 contiguous mineral claims (8 units) with total area of about 200 hectares near Mitchell Lake in Kamloops Mining Division, British Columbia.
2. The Constant shaft on the property is at latitude $50^{\circ} 36'$ north and longitude $120^{\circ} 16'$ west, 3 air miles southeast of Knutsford and 6 air miles southeast of Kamloops.
3. The property is in grasslands at 3100 feet above sea level and is easily accessible by paved highways and a good gravel road $2\frac{1}{2}$ miles long which runs through it.
4. The property is underlain by meta-sedimentary and meta-volcanic (?) Palaeozoic rocks of the Cache Creek Group of Carboniferous and/or Permian age. These rocks are invaded by granitic rocks of the Coast Intrusions of Jurassic and later ages.



5. From 0.7 to 3 ounces of gold and from 0.10 to 11.5 ounces of silver per ton have been found in the main vein which has been explored by the 22-foot inclined Constant shaft.
6. Because of the presence of several quartz veins and the substantial amounts of gold found in at least one of them, it is concluded that the property should be further explored, using modern techniques.

R E C O M M E N D A T I O N S

It is recommended that the property be explored in two stages, with implementation of Stage 2 being dependent upon the success of Stage 1.

Stage 1

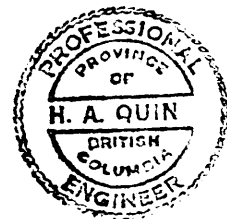
1. Establish a grid of picket lines 200 feet apart.
2. Make a detailed electromagnetic survey.
3. Map geology of the property at scale of 200 feet to 1 inch.
4. Prospect the property.
5. Trace the veins and shear zones along strike by bulldozer trenching and stripping.



6. Take channel samples across the veins and shear zones at 10-foot intervals.
7. Explore the veins and shear zones at intermediate depth by 600 feet of diamond drilling.

Stage 2

1. Make a geochemical survey for gold and its associated trace elements.
2. Sink 2 to 4 shallow prospect shafts.
3. Explore the veins and shear zones at greater depth by 1,000 feet of diamond drilling.
4. Compile and interpret all results.



ESTIMATED COST OF PROGRAM

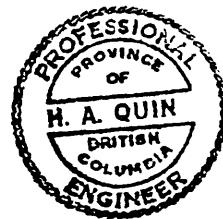
Stage 1

1. Grid of picket lines	\$ 2,000
2. Electromagnetic survey	2,000
3. Geological mapping	2,000
4. Prospecting	1,500
5. Bulldozer stripping and trenching	2,000
6. Sampling and assays	2,000
7. Diamond drilling: 600 feet @ \$10	6,000
8. Engineering and supervision	1,500
9. Contingency	<u>1,000</u>
	<u>\$20,000</u>

Stage 2

1. Geochemical survey and analyses	\$ 3,000
2. Prospect shafts	3,000
3. Diamond drilling: 1,000 feet @ \$10	10,000
4. Compilation and interpretation	1,000
5. Engineering and supervision	2,000
6. Contingency	<u>1,000</u>
	<u>\$20,000</u>

TOTAL ---- Stages 1 and 2 \$40,000



R E F E R E N C E S

1. Claim Map 92I-9W, 1" = $\frac{1}{2}$ mile, Victoria.
2. Topographic Map 92I-9W, Kamloops sheet, Edition 2, 1960, scale 1:50,000, contour interval 100 feet, Ottawa.
3. Cockfield, W.E. (1948) - Geology and Mineral Deposits of Nicola Map-Area, B.C.; Geological Survey of Canada, Memoir 249, 164 pages, reprinted 1961 and 1971, includes maps 886A (geology) and 887A (mineral localities) both at scale of 4 miles to 1 inch, Ottawa.
4. Quin, Harold A. (1972) - Report on) L G Group of Glenlyon Mines Ltd., Kamloops-Afton-Knutsford Area, Kamloops Mining Division, B.C., 17 pages, 2 maps. Describes the Noonday Group at Knutsford (No. 38 of G.S.C. Memoir 249), May 10, 1972, Vancouver.
5. Aeromagnetic Map 5216G, Kamloops Sheet.
6. Freeland, P.B. (1933) - Report on the Constant Group; Annual Report of the Minister of Mines of the Province of British Columbia for the year ended 31st December, 1933, page A195, Victoria.

Respectfully submitted,

H. A. Quin

Harold A. Quin
M.E. P.Eng. Ph.D. F.Geol.

Vancouver, B.C.
September 7, 1975



C E R T I F I C A T E

I, Harold A. Quin, of the City of Vancouver in the Province of British Columbia, Canada, hereby certify that:

1. I am a geologist with offices at Suite 8-784 Thurlow Street, Vancouver, B.C.
2. I am a graduate of Queen's University, Kingston, Ontario with B.Sc. in Mining Engineering, 1941 and M.Sc. in Geology, 1942, and a graduate of Cornell University, Ithaca, New York, U.S.A. with Ph.D. in Geology, 1950.
3. I am a member of the Associations of Professional Engineers of the Provinces of Ontario, British Columbia, Alberta and Yukon Territory.
4. I have no direct, indirect or expected interest in the properties or securities of Sands Minerals Corporation.
5. This report is based mainly on my inspection and sampling of the shaft on Mitchell #1 mineral claim on July 15, 1975 and on study of published data on the property and on the area.
6. Permission is hereby granted for publication of this report in a prospectus and for filing of it with any securities commission and any stock exchange.

H. A. Quin

Harold A. Quin
M.E. P.Eng. Ph.D. P. Geol.
F.G.S.A. F.G.A.C. F.R.C.G.S.
M.C.I.M.

Vancouver, B.C.
September 7, 1975



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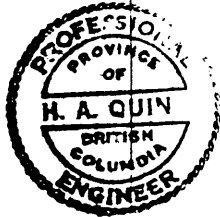
TO:

Dr. H.A. Quin,
8-784 Thurlow St.
Vancouver, B.C.

CERTIFICATE OF ASSAY

No.: 7507-2856 DATE: Aug. 8, 1975

We hereby certify that the following are the results of assays on: **Ore**

MARKED	GOLD	SILVER					
	OZ/ST BOOK	OZ/ST BOOK					
P.O. No. E-172604							
524-C	0.956	0.16					
525-C	0.121	0.10					
<p>APPENDIX I</p> <p><i>Mitchell claims (Constant Group)</i></p>							
							
						<p><i>H. A. Quin</i></p> <p>H. A. Q.</p>	<p>11.8</p> <hr/> <p>8.8.75</p>

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TO:

Dr. H.A. Quin,
 8 - 784 Thurlow St.,
 Vancouver, B.C.

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES CERTIFICATE

No.: 7507-2856 DATE: August 15/75

We hereby certify that the following are the results of spectrographic analyses made on: **Ore**

		1	2	3	4	5	SAMPLE No.	DESCRIPTION.
Aluminum	Al	-					1	
Antimony	Sb	0.01					2	
Arsenic	As	>0.5					3	
Barium	Ba	0.001					4	
Beryllium	Be	ND					5	
Bismuth	Bi	0.001						
Boron	B	ND						
Cadmium	Cd	ND						
Calcium	Ca	0.2						
Chromium	Cr	0.005						
Cobalt	Co	0.002						
Copper	Cu	0.006						
Gallium	Ga	ND						
Gold	Au	-						
Iron	Fe	5.0						
Germanium	Ge	ND						
Lead	Pb	0.002						
Magnesium	Mg	<0.02						
Manganese	Mn	0.01						
Molybdenum	Mo	0.002						
Niobium	Nb	ND						
Nickel	Ni	0.005						
Potassium	K	-						
Silicon	Si	-						
Silver	Ag	0.0005						
Sodium	Na	-						
Strontium	Sr	ND						
Tantalum	Ta	ND						
Thorium	Th	ND						
Tin	Sn	ND						
Titanium	Ti	0.01						
Tungsten	W	-						
Uranium	U	-						
Vanadium	V	ND						
Zinc	Zn	0.005						
Zirconium	Zr	0.002						

All results expressed as percentages

- MATRIX — Major constituent
- MAJOR — Above normal spectrographic range
- TRACE — Detected but minor amounts
- N.D. — Not detected
- ★ — Suggest assay

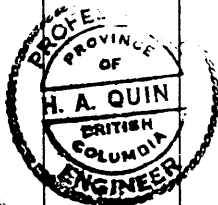
APPENDIX II

Mitchell Claims
 (Constant Group)

NOTES: Rejects retained one month
 Pulp retained three months
 On request pulps and rejects will be stored for a maximum of one year.

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18.8
 15.8.1975



H. A. Quin
H. A. Q.

D. Wyatt

D. Wyatt - Provincial Assayer

SIGNATURE AND TITLE

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER American Society For Testing Materials • The American Oil Chemists Society • Oil and Gas Analysts Association
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- 37 -

CERTIFICATE

The foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this prospectus as required by Part VII of the Securities Act, and the regulations hereunder.

S. S. Seaman
Director & Promoter

James B. [unclear]
Director & Promoter

[unclear]
Director & Promoter

[unclear]
Director & Promoter

DATED: OCTOBER 22, 1975