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J.C. STEPHEN EXPLORATIONS LTD.

TARGET PROJECT

FIRST QUARTER REPORT

JANUARY 1 - MARCH 31, 1981

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April 10, 1981

J.C. STEPHEN EXPLORATIONS LTD.

1458 Rupert Street, North Vancouver, British Columbia V7J 1G1

(604) 988-1545

April 13, 1981

Mr. G.S.W. Bruce,
Dome Exploration (Canada) Ltd.
P.O. Box 270,
1 First Canadian Place,
Toronto, Ontario.
M5X 1H1

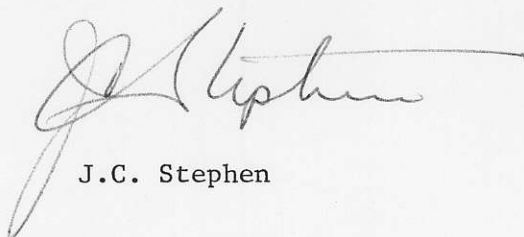
RE: TARGET PROJECT # 117

Dear Mr. Bruce,

The first quarter report is enclosed. It is quite brief as little research time has been spent on the project. An initial timetable and proposed budget distribution is included. Emphasis will be primarily on precious metals exploration.

Yours very truly,

J.C. Stephen Explorations Ltd.



J.C. Stephen

JCS/ms

Encl.

GSWB	LBH	DRS	EAP
PROJECT _____			
F	APR 22 1981		E
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TARGET PROJECT

FIRST QUARTER REPORT

January 1 - March 31, 1981

J.C. STEPHEN EXPLORATIONS LTD.

April 6, 1981

TARGET PROJECT

FIRST QUARTER REPORT

The Annual Report covering 1980 operation of the Target Project was completed and submitted in early January 1981. Aspects of this program were discussed with G.S.W. Bruce and D.K. Watson on January 26.

It had been proposed that the main anomaly on SWAB Group be drilled early in 1981 but review of the Uranium Moratorium Regulation indicates that there would be a high risk of the operation being closed down if even isolated values of 0.05% U₃O₈ were encountered.

Request was made to transfer the \$19,000.00 allocated to SWAB to precious metals exploration.

PROGRAM BUDGET

The Target program, and distribution of budget for 1981 is as follows: -

<u>Operations</u>	<u>Budget Proposed in Annual Report</u>	<u>Budget Proposed at Present</u>
(1) Percussion drilling on SWAB	\$ 19,000.00	nil
(2) Detail mapping and rock geochemistry on BRAN 93F/14E for Ag Au	8,000.00	\$ 10,000.00
(3) Further prospecting SE and NW of BRAN group for Ag and Au	7,000.00	8,000.00
(4) Additional prospecting on the 340 ppb and 160 ppb Au kicks NE of Binta Lake	3,500.00	5,000.00
(5) Prospecting in the Ominicetla - Silver - Kwanika Creek area for Au	7,500.00	15,000.00
(6) Examination of HALO magnetic anomalies and reconnaissance of Wolverine Complex using logging roads.	5,000.00	5,000.00
(7) Investigation of developments in the Boulder Creek - Manson Creek area or for use on any area showing positive results		7,000.00
	<hr/>	<hr/>
Total Budget	\$ 50,000.00	\$ 50,000.00

BOULDER CREEK - MANSON CREEK

A claim group, the OPEC, has been staked in the Boulder Creek area 93N/9W, 10E by Amax. Exploration has been done here previously for molybdenum and placer gold operations have been conducted at various times on Boulder Creek. Panning has shown native copper and, reportedly, native silver. Cassiterite was reported in 1980.

On Granite Creek niobium and uranium minerals have been reported. It is proposed these occurrences be examined and some exploration be done for niobium and tantalum in this region.

A few references regarding these occurrences are provided together with portions of the geological maps.

TIMETABLE

Jean Pautler, Laurentian University 1980, who worked on our gold project last year, will be scheduled to start on BRAN group May 16 and will be joined by a new graduate from Queens together with three undergraduate assistants. Prospecting and sampling will be done primarily along the creek where silver bearing float was found in 1980. The general property geology will be mapped and prospected and some soil sampling done.

A crew of three, including Mike Hughes, who worked on D.C. Syndicate last year, will carry out additional sampling and prospecting on the anomalous sites north east of BINTA Lake starting about May 15.

Dave Ferguson (Target and D.C. Syndicate 1980), with a third year University of Toronto student, will prospect north west of

Anzus Lake on strike with the apparent shear zone on BRAN group starting May 15.

Scott Angus, who has fairly extensive prospecting experience, with a third year Queens student will commence prospecting in the Boulder Creek - Manson Creek area or in the Silver Creek - Vital Creek area depending on condition of access roads May 16.

These crews will attempt to get as much preliminary information as possible in the period May 15 to June 3. Stephen will work with these crews during this period. They will then be transferred to operations in northern B.C. and southern Yukon.

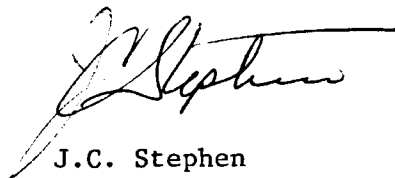
When geochemical results are available Stephen intends to spend a portion of his time examining anomalous areas before further prospecting is done.

A statement of expenditures incurred in the quarter follows this report. An invoice in the amount of \$20,000.00 was submitted at the end of March. Those funds will be used to commence the operations described above.

Chemex Labs have advised us that their storage facilities are being overtaxed and that they would like us to take delivery of substantial quantities of our older samples. Changes in sample preparation procedures requiring storage of larger quantities of sifted and or pulverized material has effectively doubled the space required to store a given number of geochemical samples. Since our practice had always been to store all the -40 mesh our samples have been particularly bulky.

We have advised them that we do not have adequate space available at present but that we will make some arrangement at the end of the season. Warehouse storage is renting at about \$4.00 per square foot in the vicinity.

Respectfully submitted,
J.C. Stephen Explorations Ltd.



J.C. Stephen

JCS/ms

LONNIE - 1954 - 8 claims on the SE side Granite Creek 1½ miles from the Ft. St. James-Manson Creek Rd. The niobium and uranium minerals are within a band of carbonate rocks flanked by hornblende gneiss of the Wolverine complex. Width of 50' indicated. Average assay of 5 specimens 0.60 niobium pentoxide.

1955 p.29 - Each trench from SW to NE exposes hornblende gneiss marble & syenite. Mineralization consists of niobium and uranium bearing minerals, ilmenorutile, columbite and uranium pyrochlore in a marble zone.

Niobium is present in the minerals ilmenorutile and columbite... very largely confined to the white syenite, or in pyrochlore which was observed only in the marble. Niobium content highest in syenite, low in marble.

55° 124° NE

93N/10

FLOYD - 1962, p.16 - 24 claims Troy 1-20 & Glo 1-4 optioned by Southwest Potash. The showing is about 2 miles SE of Manson Creek P.O. Scheelite bearing quartz veins lie in the Manson Creek fault zone - trenching, sampling and mapping.

55° 124° NE

GRUBSTAKE NOTES - 1964 p.A73 - A great deal of prospecting was done fairly close to the Manson River about 20 miles south of Manson Creek, where fairly good mineralization of moly and narrow quartz veining containing chalco has been discovered.

Some mineralization was seen on Boulder Creek. Near Gillis Mountain, granodiorite and quartzite showing some moly and galena was reported.

TARGET PROJECT

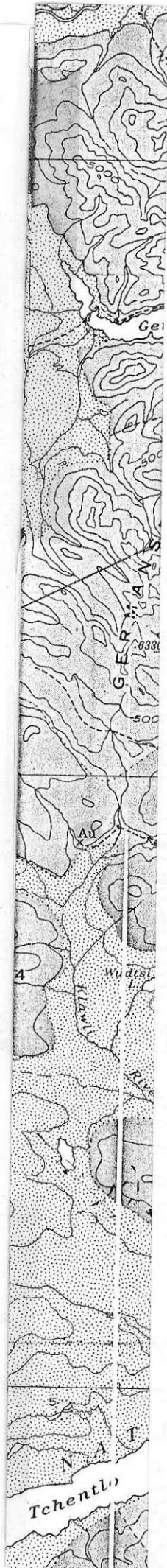
FINANCIAL REPORT

January 1 - March 31, 1981

<u>Item</u>	<u>Year to date</u>
CASUAL LABOUR	\$ 139.75
BLUEPRINTING, DRAFTING SUPPLIES	215.24
TELEPHONE	94.71
SERVICES	358.33
INTEREST AND BANK CHARGES	<u>2.00</u>
Owing to J.C. Stephen Explorations Ltd.	\$ 810.03

BLACKJACK - 1965 p.106 - 46 claims at headwaters of Manson River about 8 miles south of Manson Creek. Showings at 4000' in drift covered country, the eastern showing few hundred feet north of hay meadows at the divide between Manson River and Boulder Creek. Quartz veins in grey granodiorite with moly in veins.

Central showing on steep eastern bank of Manson River less than one mile to the west SW of the eastern showing. Showing to south of central showing is about 1000' upstream. A western showing is more than one mile from the central one and is on the west bank of a tributary of Manson River.



LEGEND

Quaternary (alluvium, colluvium, etc.)	Q	CENOZOIC
Recent (alluvium, colluvium, etc.)	R	
Upper Tertiary (Pliocene, Pleistocene)	T	MESOZOIC
Lower Tertiary (Eocene, Oligocene, Miocene)	L	
Upper Jurassic and later (Cretaceous, Paleogene, Neogene)	UJ	CENOZOIC
Lower Jurassic (Triassic, Permian, Carboniferous, Devonian, Silurian, Ordovician, Cambrian)	LJ	
Granite (various types)	G	LYTHEROZOIC
Metamorphic (gneiss, schist, etc.)	M	
Sedimentary (sandstone, shale, etc.)	S	LYTHEROZOIC
Igneous (basalt, andesite, etc.)	I	
Unconsolidated (sand, silt, etc.)	U	LYTHEROZOIC
Consolidated (sandstone, shale, etc.)	C	
Unconsolidated (sand, silt, etc.)	U	LYTHEROZOIC
Consolidated (sandstone, shale, etc.)	C	

J. C. STEPHEN EXPLORATIONS LTD.

TARGET PROJECT

GEOLOGY

VITAL - SILVER CREEK AND

GRANITE - BOULDER CREEK AREAS

1" - 4 miles

From G.S.C. Maps 844A, 876A

LEGEND

CRETACEOUS
UPPER CRETACEOUS
SUSTUT GROUP
Conglomerate, shale, greywacke, tuff

JURASSIC OR CRETACEOUS
UPPER JURASSIC OR LOWER CRETACEOUS
OMINECA INTRUSIONS
Granodiorite, quartz diorite, diorite; minor granite,
syenite, gabbro, pyroccenite

TRIASSIC AND JURASSIC
UPPER TRIASSIC AND LATER
TAKLA GROUP
4. Upper Triassic: shale, greywacke, conglomerate,
tuff, and limestone
5 Upper Triassic and Jurassic :andesitic and basaltic
How; turfs, breccias, and agglomerates; interbedded
conglomerate, shale, greywacke, limestone, and coal

PERMIAN AND(?) EARLIER
CACHE CREEK GROUP
Greenstone (andesitic Hows, tuffs, and breccias
with minor basic intrusive rocks),chlorite and
hornblende schists; minor argillite and chert.
May include some Takla group(5)

Argillaceous quartzite, chert, argillite, slate,
greywacke, conglomerate; minor greenstone and
limestone; related schists. In part older than 1

Massive limestone; minor argillaceous and cherty
sedimentary rocks, and greenstone

Peridotite, pyroccenite, dunite, serpentine, gabbro,
and carbonatized alteration products. Age uncertain,
may be pre-Jurassic

MERCURY MINES AND PROSPECTS

Bralorne BB and related groups
Snell Group
Lil Group
Bralorne Takla Mercury Mine
Bron Group
Don Group
Kwanika Group
Bowleg Group
Victory Group
Indata Lake Mercury Showing.
Indata Group
Tchentlo Group

PLACER GOLD CREEKS

Dream, Harrison, Kenny, Kwanika,
Quartz, Silver, Tom, Twentymile,Vital

MINERAL OCCURRENCES

Mercury Hg
Manganese Mn
Copper Cu
Chromium Cr
Coal C

NOTE: For detailed description of mercury deposits
see Geological Survey Papers 42-11 and 44-5.

LEGEND

TERTIARY (?)
Trachytic and andesitic flows, dykes and s'l's

JURASSIC OR LATER
Syenite

UPPER JURASSIC OR LOWER CRETACEOUS
OMINECA INTRUSIONS
Granodiorite, quartz diorite, diorite, and granite

TRIASSIC AND JURASSIC
UPPER TRIASSIC AND LATER
TAKLA GROUP
Andesitic and basaltic flows, tuffs, breccias and
agglomerates; minor argillite and conglomerate

CARBONIFEROUS AND LATER
PENNSYLVANIAN AND PERMIAN
CACHE CREEK GROUP
Greenstone (andesitic flows and tuffs),
minor argillite, chert, limestone, and
serpentine. In part older than 1 and 2

Argillite, slate; minor greenstone, chert,
and limestone. In part older than 1

Massive limestone; minor argillite, slate,
chert, and greenstone

Altered diorite

WOLVERINE COMPLEX
Micaceous, chloritic, and garnetiferous schists;
quartzite, limestone; minor granitic gneiss
and pegmatite

Granitoid gneiss, quartzite, pegmatite,
minor schists

PROSPECTS
Nina Copper Showing
Farrell Group
Flagstaff and Mother Lode
Fairview Group
Black Hawk Group
Berthold Property
Blackburn Property.
Kohse Copper Property.
Chuchi Tungsten Showing

PLACER MINES
Huffman Placers
Germansen Mines, Limited
Consolidated Mining and Smelting Co.,Ltd.
Lost Creek Placer Gold, Limited

1
1
2

This reference scale has been added to the original image. It will scale at the same rate as the original image. It may be used as a reference for the original size.