#4692

TARGET PROJECT #117

THIRD QUARTER REPORT

JULY - SEPTEMBER 1981

861813

J.C. Stephen Explorations Ltd.
1458 Rupert Street
North Vancouver, B.C. November 15, 1981

WBr.

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BRAN CLAIM GROUP - Location Map Figure 1

A crew returned to the BRAN claim group south of Francois Lake late in the season. Geology along the creek was remapped and is submitted with this report as Map 1.

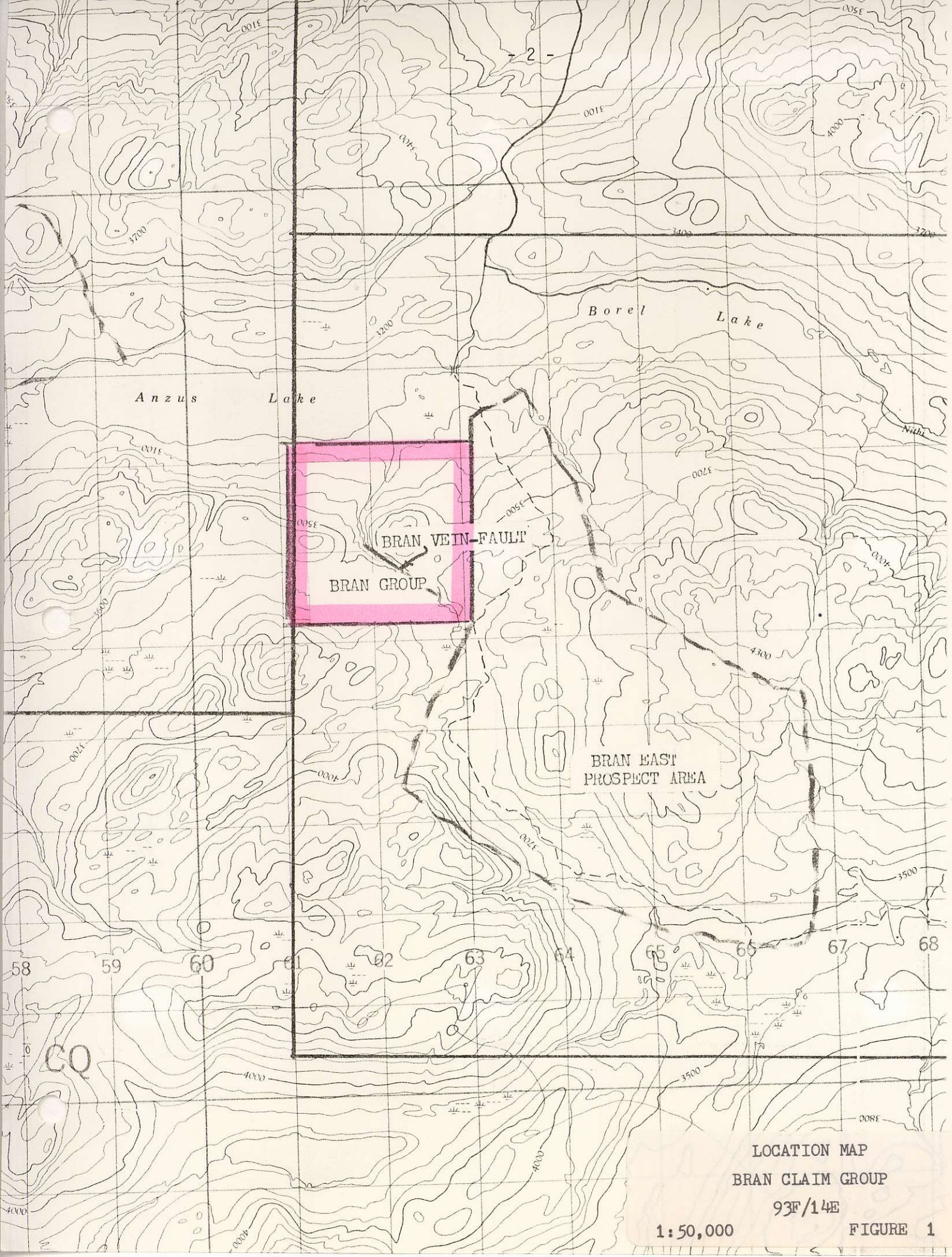
Exposures were hand stripped and careful chip sampling was done across vein and fracture zones where previous sampling indicated low silver values. A new mineralized float fragment was found well upstream from the previous two high grade samples.

All samples assayed were reported at 0.28 oz Ag and 0.005 oz Au/ton or less.

Because of the discrepancy in values, Chemex has been asked to check assay several of the May, and of the September, samples. Only the original assays are shown on Map 1.

As assessment report is being prepared.

The vein structure is extremely narrow and discontinuous and no significant values have been reported from the fractured pyritized rhyolite zones. If check assaying returns very low values, it is recommended the property be dropped. If some significant values are received, it may be possible to farm out the property.



LOCATION MAP
BRAN CLAIM GROUP
93F/14E
1:50,000 FIGURE 1

SILVER-VITAL CREEK AREA

Prospecting was conducted over a short period in late September in the vicinity of several placer gold creeks west of the Pinchi Fault. Approximate location of these placers is indicated on Figure 2.

A summary of observations follows together with Figure 3 and 4 showing prospectors geology and location of geochem samples.

In spite of the abundant quartz veining, some silicification and pyrite mineralization, no significant geochemical values were obtained for Au, Ag or As.

FIGURE 2

SILVER - VITAL CREEK AREA

APPROXIMATE LOCATION OF

GOLD PLACERS

1:250,000 From MEM 252

PROSPECTING AND GEOLOGY - Figures 3 and 4

The areas prospected mainly consisted of highly sheared and folded schistose sedimentary rocks, silicified limestones and greenstone. Minor chert, jasper and argillite beds were present within the folded sedimentary unit. Abundant quartz veining was evident in all the units.

Mineralization consisted of minor pyrite in the greenstone of Mt. Silver. (Samples 28226 and 28227). On Mt. Alice very minor mineralization was noted. This consisted of very small amounts of sulphides in the silicified limestone. (Samples 28339 and 28340).

Investigation of the lapsed mineral claims on the top of Mt. Kelly revealed abundant barren milky quartz veins, some being very rusty with no visible mineralization. These ranged up to 1/2 metre in width and cut through the highly sheared and folded sedimentary rocks (Samples 28344 and 28346).

On Mt. Silver an area of highly sheared jasper was found in outcrop as well as abundant massive jasper float with quartz veining throughout (Sample 28228 and 28229).

Abundant quartz and silicified limestone float was observed in most of the creeks in the area.

Geology and geochemical results are shown on Figures 3 and 4.

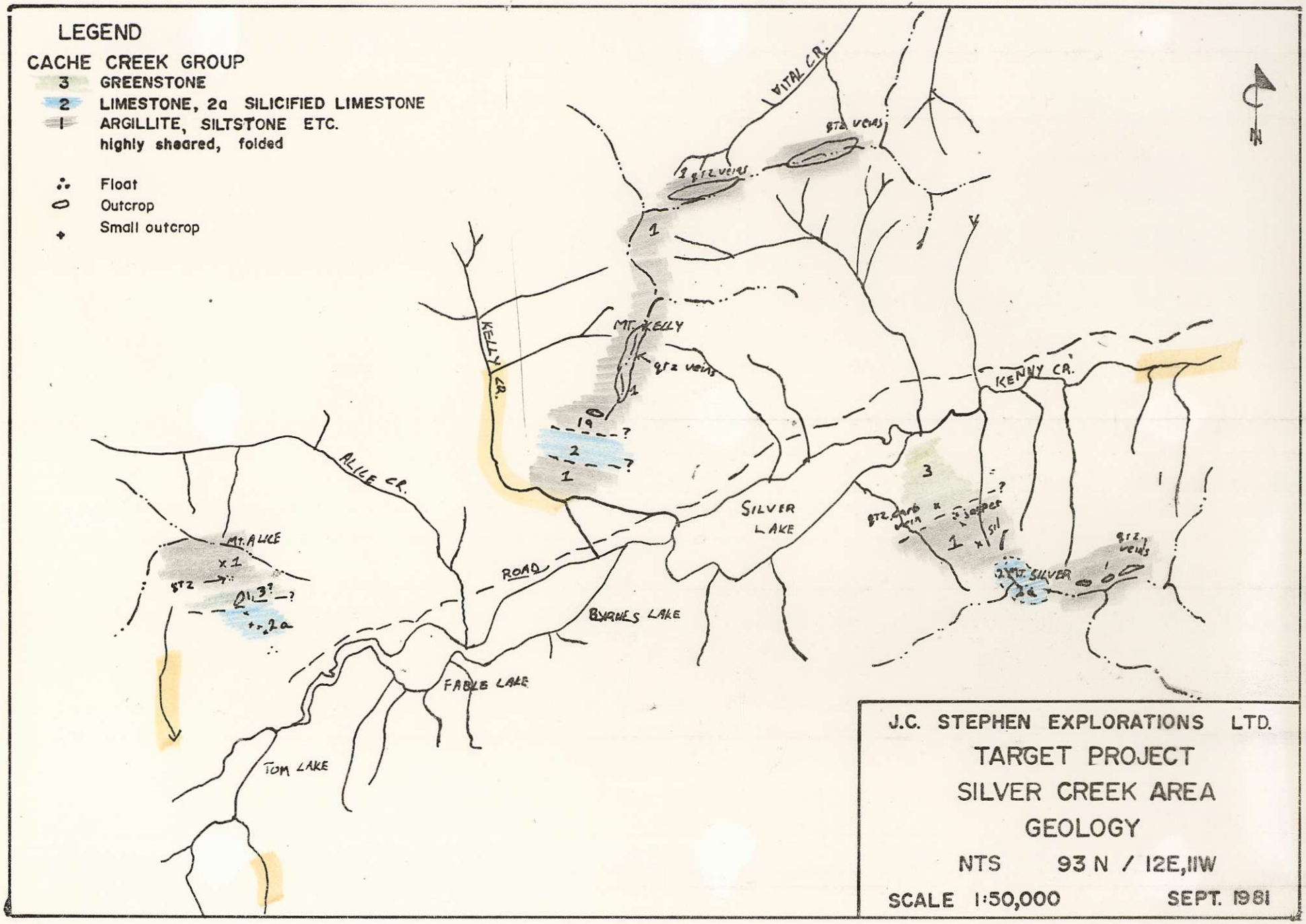
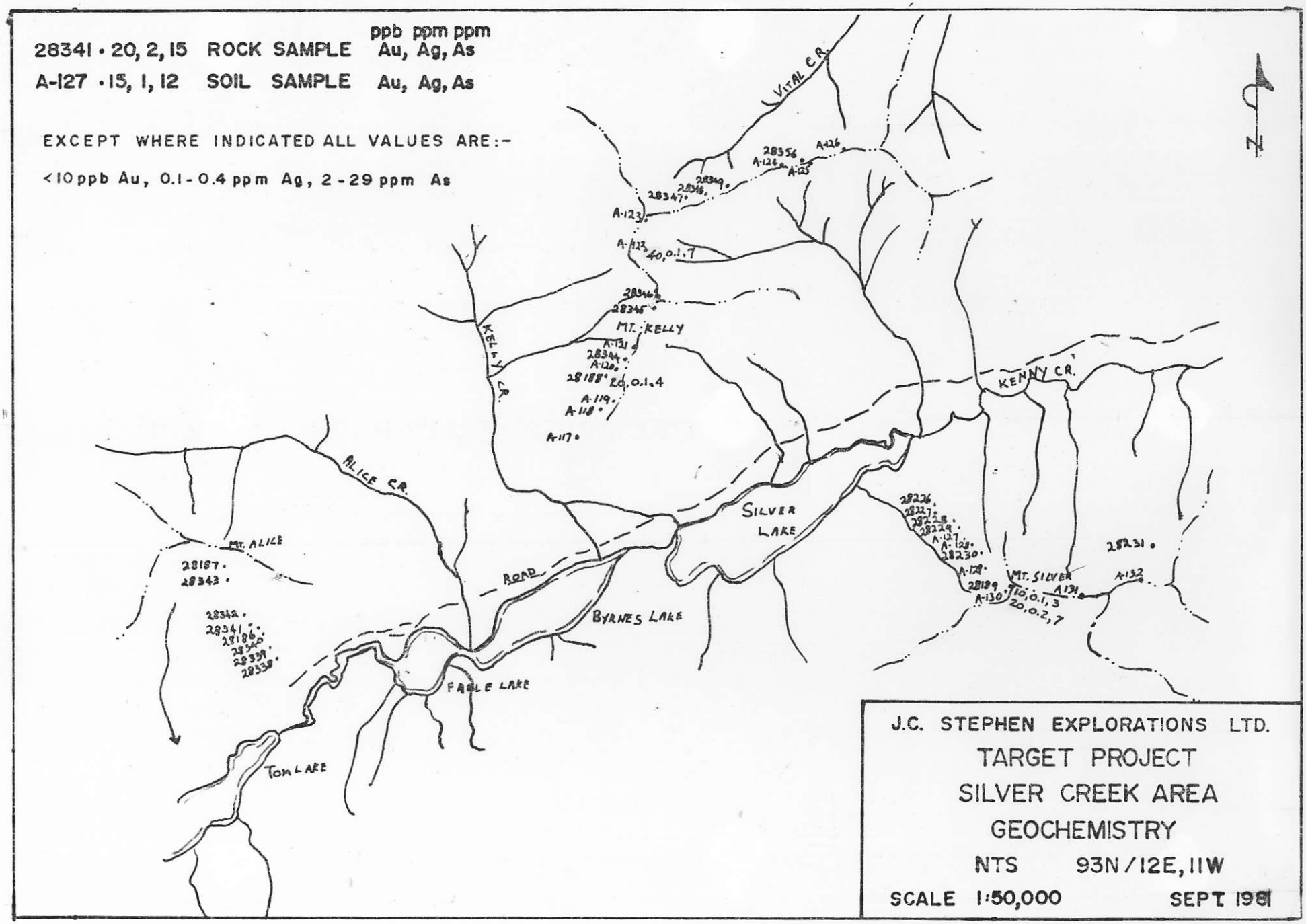

LEGEND
CACHE CREEK GROUP
3 GREENSTONE
2 LIMESTONE, 2a SILICIFIED LIMESTONE
1 ARGILLITE, SILTSTONE ETC.
highly sheared, folded
Float
Outcrop
Small outcrop
N
VITAL CR.
qtz veins
KELLY CR.
MT. KELLY
KENNY CR.
ALICE CR.
SILVER LAKE
MT. ALICE
ROAD
BYRNES LAKE
FABLE LAKE
TOM LAKE
MT. SILVER
J.C. STEPHEN EXPLORATIONS LTD.
TARGET PROJECT
SILVER CREEK AREA
GEOLOGY
NTS 93 N / 12E,11W
SCALE 1:50,000
SEPT. 1981

FIGURE 3


28341 · 20, 2, 15 ROCK SAMPLE ppb ppm ppm Au, Ag, As
A-127 · 15, 1, 12 SOIL SAMPLE Au, Ag, As
EXCEPT WHERE INDICATED ALL VALUES ARE:-
<10 ppb Au, 0.1 - 0.4 ppm Ag, 2 - 29 ppm As
N
VITAL CR.
28356
A-126
A-125
28349
28348
28347
A-123
A-122 40, 0.1, 7
28346
28345
MT. KELLY
A-121
28344
A-120
28188 20, 0.1, 4
A-119
A-118
A-117
KELLY CR.
KENNY CR.
ALICE CR.
MT. ALICE
28187
28343
28342
28341
28186
28340
28339
28338
ROAD
SILVER LAKE
BYRNES LAKE
EAGLE LAKE
TOM LAKE
28226
28227
28228
28229
A-127
A-128
28230
A-129
28189
A-130
MT. SILVER
A-131
10, 0.1, 3
20, 0.2, 7
28231
A-132
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TARGET PROJECT
SILVER CREEK AREA
GEOCHEMISTRY
NTS 93N/12E, 11W
SCALE 1:50,000
SEPT 1981

FIGURE 4

CONCLUSIONS

Because of the uniformly negative geochemical results obtained, no further work is planned to be centred on the placer creeks.

No ultra basic intrusives were encountered during this work and it is thought better results might be achieved by prospecting the large alteration zones associated with serpentinites west of this area.

GENERAL

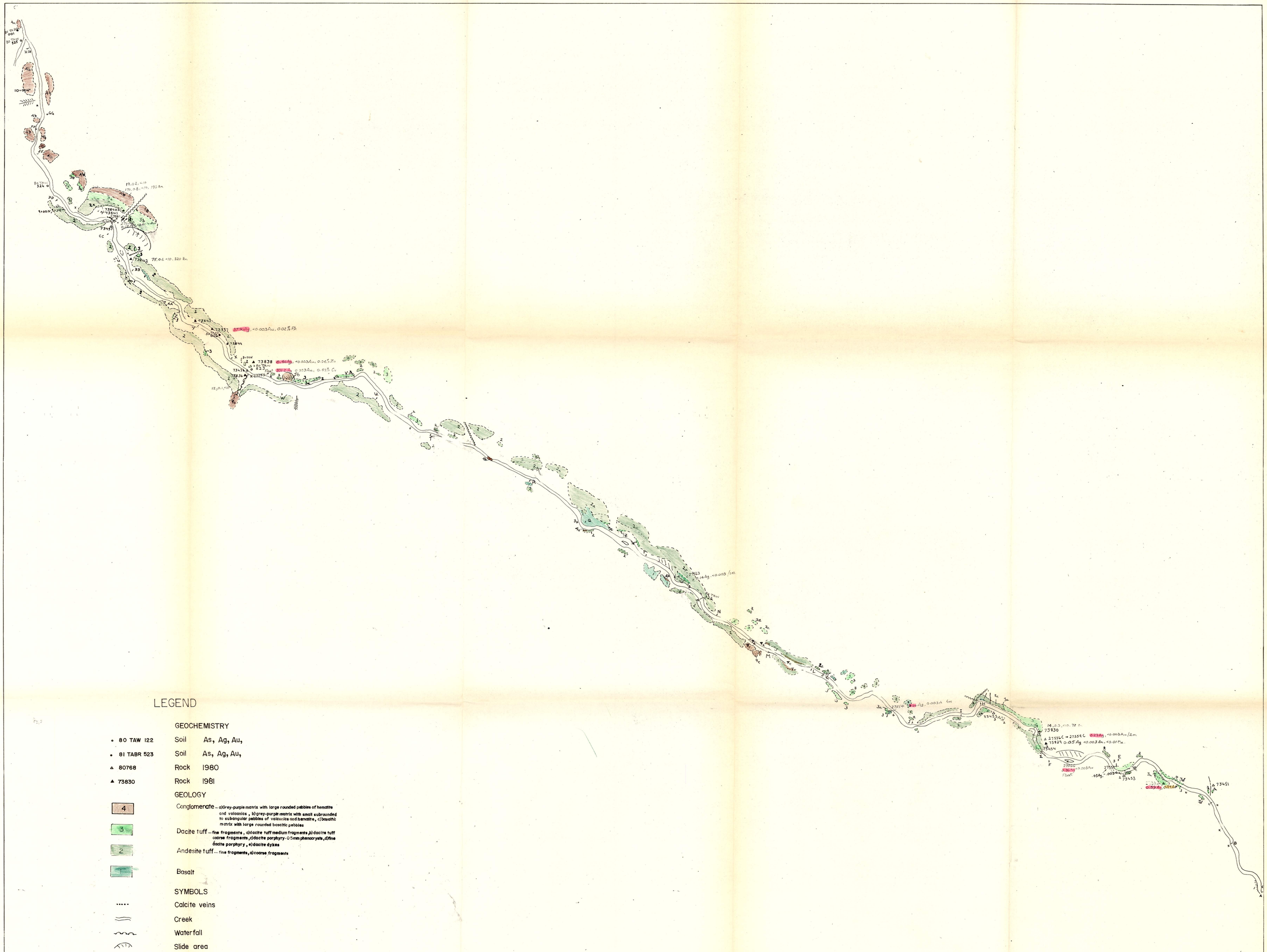
A financial report accompanies this quarterly report showing disbursements to the end of October. Most expenditure was incurred by the end of September. Minor further expenditure is expected for check assays and filing assessment work.

The Target Project has not operated to our satisfaction either this year when work was concentrated in early and late summer depending on the availability of crews or in 1980 when we had a full time geologist on the project. The best results were obtained when we had the "right" sort of party chief available who could concentrate on the project during the optimum part of the season. Work by Barrie in 1977 and Cohoon in 1978 seemed to be most productive. Henry Awmack, who was Cohoon's assistant, will be graduating next spring and has had experience with us in 1978 and 1979, Lacana, 1980 and Dick Woodcock, 1981. We have had a preliminary discussion with him and feel we would not request funds for Target 1982 unless we are able to hire him, or an equally responsible person, to conduct the work.

Respectfully submitted,

J.C. STEPHEN EXPLORATIONS LTD.

J.C. Stephen



LEGEND

GEOCHEMISTRY

• 80 TAW 122	Soil	As, Ag, Au,
• 81 TABR 523	Soil	As, Ag, Au,
△ 80768	Rock	1980
▲ 73830	Rock	1981

GEOLOGY

4 — Conglomerate — a) Grey-purple matrix with large rounded pebbles of hematite and volcanics, b) grey-purple matrix with small subrounded to subangular pebbles of volcanics and hematite, c) basaltic matrix with large rounded basaltic pebbles

3 — Dacite tuff — fine fragments, a) dacite tuff medium fragments, b) dacite tuff coarse fragments, c) dacite porphyry - 0.5mm phenocrysts, d) fine dacite porphyry, e) dacite dykes

2 — Andesite tuff — fine fragments, a) coarse fragments

1 — Basalt

SYMBOLS

- Calcite veins
- Creek
- Waterfall
- Slide area
- Contact
- Fault
- Gully
- Small outcrop

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TARGET PROJECT

BRAN CLAIM GROUP GEOLOGY

MAP SHEET 93F/14E

SCALE 1: 1,000

SEPT. 1981

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

MAP I