

B.C. Gold Synd Monthly Report June/80  
June 30/80

JCS. OFFICE  
B.C. GOLD SYNDICATE  
MONTHLY REPORT  
by  
J.T. SHEARER June 1980

671526

B.C. GOLD SYNDICATE

MONTHLY REPORT

June 1980

by

J.T. SHEARER

June 30, 1980  
Crescent Inlet

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS AND TABLES	i
SUMMARY	ii
INTRODUCTION	1
TIME ALLOCATION - JUNE	3
FIELD EXPENSES	4
(a) Helicopter time	4
(b) Fixed Wing	4
(c) Truck Costs (1) Mileage	4
(2) Gas	4
(d) Boat Costs	4
CAMPS AND AREAS PROSPECTED	5
(A) CRESCENT CLAIMS (103B/12W, 13W)	5
(1) Introduction	5
(2) Geology	5
(3) Trenching	6
(4) Ground Magnetometer	6
(5) Bulk Soils, Bema Overburden Drilling	10
(6) Assessment Work 1980	10
(B) ALDER GROUP (103B/6W)	18
(a) Results	18
(C) LOCKEPORT CLAIMS (103B/12W)	18
(D) PACOFI BAY (103B/13W)	22
(a) Follow up work	22
(E) LOMGON BAY, TASU SOUND (103C/16E, 103B/13W)	24
(F) SOUTH BURNABY ISLAND CAMP (103B/6E+W)	31
(G) IRON POINT AND KOYA BAY CAMPS (103B/6E, 3E)	34
(H) TAR CALIMS AND EAST LYELL ISLAND (103B/11E + W)	38
CONCLUSIONS AND RECOMMENDATIONS	40
APPENDIX I Time Sheets, June	
APPENDIX II Progress Report on Crescent Claims J. Pautler	
APPENDIX III Preliminary Report on Bulk Soil Samples S. Averill	
APPENDIX IV South Burnaby Camp S. Angus	
APPENDIX V Koya Bay Camp	
APPENDIX VI Requisition for Analytical Work, June	
APPENDIX VII Crescent and Alder Statement of Work	

LIST OF ILLUSTRATIONS AND TABLES

<u>Figure</u>	<u>Page</u>
1 TRENCH 5, CRESCENT CLAIMS	8
2 TRENCH 6, CRESCENT CLAIMS	9
3 Ground Magnetometer Survey, DETAIL GRID	in pocket
4 Ground Magnetometer Survey, RUSTY SEAM AREA	in pocket
5 LOCATION OF LOCKEPORT CLAIMS	fold out Page 19
6 LOCKEPORT CLAIMS, results	20
7 LOCKEPORT CLAIMS, results	21
8 PACOFI BAY, results	23
9 LOMGON BAY, results	25
10 LOMGON BAY, results	26
11 TASU SOUND, CRAZY CREEK, results	27
12 TASU SOUND, TWO MOUNTAIN BAY, results	28
13 TASU SOUND, Botany Inlet, Results	29
14 BURNABY SOUTH, results	31
15 BURNABY SOUTH, results	32
16 Location of Proposed SWAN Claims	33
17 IRON POINT CAMP, Sample Locations	35
18 CARPENTER BAY, Sample Locations	36
19 KOYA BAY CAMP, Sample Locations	37
20 LOCATION OF PROPOSED T CLAIMS	39
TABLE I TIME ALLOCATION - JUNE	3
TABLE II Assessment Credit 1980 Crescent Groups One and Two	11



SUMMARY

- (1) The 1980 program on the Crescent Claims has almost been completed. Channel samples from two trenches have been shipped for analysis. Ground magnetometer results indicate a complex pattern over the entire length of Gabbro Hill. Preliminary evaluation of the bulk soils have been received in the form of a report by S. Averill, analytical results are still pending. Geological mapping should be finished by mid July.
- (2) Eight 2-post claims were staked on June 7 to cover an area between the old townsite of Lockeport and the head of Crescent Inlet. Preliminary results indicate high copper and silver values in rock. This area was partially overstaked by JMT on June 14, 1980.
- (3) Follow up sampling in Pacofi Bay failed to duplicate anomalous 1979 silt results and further soiling in the area gave very low Au and As.
- (4) Results received for the ~~TASU SOUND~~ prospecting shows very low Au and As values with the exception of anomalous Ag near Crazy Creek and slightly anomalous Au float on the Singa claims. Samples taken on the head of Botany Inlet were uniformly low.
- (5) Anomalous Au in rock and high As in soils were found near Swan Bay on Southern Burnaby Island. The area will be covered by four modified grid claims shortly. Additional prospecting and geological mapping is planned.
- (6) Two camps were established south of Jedway however no visual indication of mineralization was noted.
- (7) For protection an additional 36 units are proposed to surround the TAR claims on east Lyell Island and will be located in the near future.

## INTRODUCTION

Work on Crescent Claims was almost completed during June. Comprehensive mapping will be finished by mid-July. Hopefully a B.C. GOLD SYNDICATE Committee meeting can be scheduled for early August to decide on a drilling program in the fall of 1980. Trench 5 and 6 have been excavated and channel sampled. The results of these trench samples will have an important bearing on the immediate direction of future work.

Prospecting on the southern end of Burnaby Island has indicated a large area of silicified massive limestone that is slightly anomalous in gold and associated high As in soils. The preliminary six 2-post claims will not be recorded and instead four modified grid claims are proposed to be located shortly.

Complex gabbroic intrusives between the head of Crescent Inlet and the old townsite of Lockeport were covered by eight 2-post claims on June 7, 1980. Shortly after, this area was partially covered by JMT as tie on to the south end of the Crescent Claims. Float found at lower elevations containing bornite, chalcopyrite and sphalerite, assayed high in silver and copper. The outcrop location of this material has not yet been found.

Results of sampling in the TASU SOUND Area indicates one anomalous rock sample on the Singa Claims and high silver in pyritic Kunga sediments near Crazy Creek. All work along the head of Botany Inlet proved to be very low in both the Au and As. Soils and rocks collected immediately north of the Crescent Claims returned background levels of gold and arsenic.

Property work has begun on the HAWKS NEST and TAR claims. A group of protective units are proposed around the TAR claims and approximately 2 years worth of assessment work is envisaged consisting of soil

geochem, prospecting and geological mapping. A road from Lyell Camp has just entered the TAR claims and will facilitate access throughout the Gate Creek drainage.

Work planned for July includes preliminary evaluation of the claims in Swan Bay, additional prospecting and follow up in TASU SOUND, soil sampling on the Lockeport claims and completion of work on HAWKS NEST and TAR Groups.

Tentatively some crew members will return to Vancouver on July 27th with the gear arriving via the truck on August 2nd or 3rd. Preliminary work on the EASY TWO claim should proceed shortly after this date. Mapping in the Easy Inlet area will be helped by an accurate topographic map to be obtained from SEMCO who are conducting an evaluation of the prophyllite resources in the area.

TIME ALLOCATION

From June 1 to June 30 the time allocation to various classifications is tabulated below:

TABLE ITIME ALLOCATION JUNE 1980

<u>Item</u>	<u>Man Days</u>
Prospecting and Geology	60
Geology	57
Soil Samples (all Day)	10
Trenching	44
Office	17
Drafting	0
Camp Construction	24
Magnetometer	6
Travel	5
Staking	6
Cooking	<u>5</u>
	234 Man Days

Crew size ranged from 7 to 10 with a few days spent by Bema Industries personnel on trenching. Jim Plosz left on June 6 after all contract work had finished. K. Swartz finished on June 26 on completion of channel sampling on trench 5 and 6.

Individual time sheets are contained in Appendix I.

EXPENDITURES

Up to the end of June, the program has spent approximately \$ 123,945.41. The larger field items are -

- (a) Helicopter time
- (b) Fixed Wing
  - Otter trips
  - Beaver trips
  - 1 Husky trip                   = \$ 1,150.00
- (c) Truck costs
  - (1) Mileage
  - (2) Gas
- (d) Boat Costs
  - (1) Gas
  - (2) Repairs

Service with T.P.A. on fixed wing has become even less dependable than usual due to mechanical problems, labour problems and scheduling uncertainties. For one job to the south of Jedway the Husky was brought over from Prince Rupert and proved to be an excellent carrier.

More helicopter time will necessarily be needed to lift camps out of exposed areas where T.P.A. pilots refuse to land.

Unfortunately the new operators of the Sandspit Market have not materialized so that groceries will continue to be obtained from City Centre in Queen Charlotte.

CAMPS AND AREAS PROSPECTED(A) CRESCENT CLAIMS (103/12W, 13W)(1) Introduction

Induced Polarization, bulk soils, overburden (deep soil) drilling, ground magnetometer, rock geochemistry, trenching and follow up soil sampling have been completed on the CRESCENT CLAIMS. Detail geological mapping around Gabbro Hill will be completed shortly.

Additional work to be done in the future include:

- (1) detail prospecting in the East Creek Area.
- (2) a few more soil lines on the west side north of 1100N toward 800W
- (3) A S.P. survey over Gabbro Hill.
- (4) an overlay of alteration types, with particular attention to silicification.
- (5) trenching in the 600N 125W area.
- (6) trenching in the Rusty Seam Area.

Camp gear is scheduled to be moved out of the Crescent Camp around July 26. Some of the bulky items such as the aluminum frame tents will be stored in Sandspit

(2) Geology

Geological mapping at 1:5000 over the entire property and 1:2500 on Gabbro Hill should be completed by mid July. A progress report by J. Pautler on work conducted from the Crescent Inlet and Wilson Bay camps is contained in Appendix II. Initial rock geochemical results are

generally low however one new area of higher gold content was noted in the co-linear creek valley associated with  $\text{MoS}_2$ . This area has now been covered with soil samples.

### (3) Trenching

The trenches labelled trench 5 and trench 6 were mucked out and channel sampled as shown on Figures 1 and 2. These new trenches are 35 m apart and lie within the highest part of the gold soil anomaly around 500N+00.

Rock units noted in trench 5 vary from relatively fresh, medium crystalline gabbro to a hybrid, partly digested dacite with a prominent fragmental appearance. Rhyolite material occurs over short intervals. Much of the trench is characterized by an abundance of pyrrhotite and pyrite. Calcite is the main accessory.

Ticket numbers of the trench channel samples are 84551 to 84564, 84577 to 84579 (shipped on June 26) and 84565 to 84576, 84580 to 84594, 56376, 56377 and 56380 to 56390 (to be sent July 1). Hopefully the results will be available before the end of July.

### (4) Ground Magnetometer

The ground magnetometer survey is illustrated on Figure 3 and 4 (in pocket). A very complex pattern is developed over Gabbro Hill characterized by a rough elliptical magnetic high centered around the 00 baseline. The 56,700 gamma contour extends westward to about 500W along most lines and to approximately 250E. A prominent magnetic low extends northerly to the 00 baseline in the vicinity of 450N from the southwest.



Smaller positive anomalies are centered at:

	<u>Location</u>	<u>Readings in gammas</u>
(1)	400N 300W	58460
(2)	600N 400W	57493
(3)	450N 800W	57934
(4)	00N 600W	58293
(5)	around 600N 00 to 750 N	>58000
(6)	850N to 1150N 00 to 100W	>58000
(7)	300N to 450N 00 to 100E	>58300

Large negative features occur at:

	<u>Location</u>	<u>Readings in gammas</u>
	1050N 200W	57130
	400N 700E	56135
	200N 600W	56262

A low trough zone runs northwest-southeast from 100E to 300 - 400E along the entire grid with a slight increase toward 800E. A subsidiary high trends north from 00N 300E separating the above low trough into two lobes.

In general the high gold in soils is marked by a coincident magnetic anomaly. The magnetic pattern is complex and should be interpreted with care.

Detail work in the Rusty Seam Area (Figure 4, in pocket) only roughly corresponds to the Fluxgate survey conducted in 1979. The detail trends also do not reflect the overall pattern of the 1:2,500 survey run on lines perpendicular. The Rusty Seam grid is characterized by narrow troughs and highs trending east-west. A slight increase in magnetic expression is evident over trench 1.

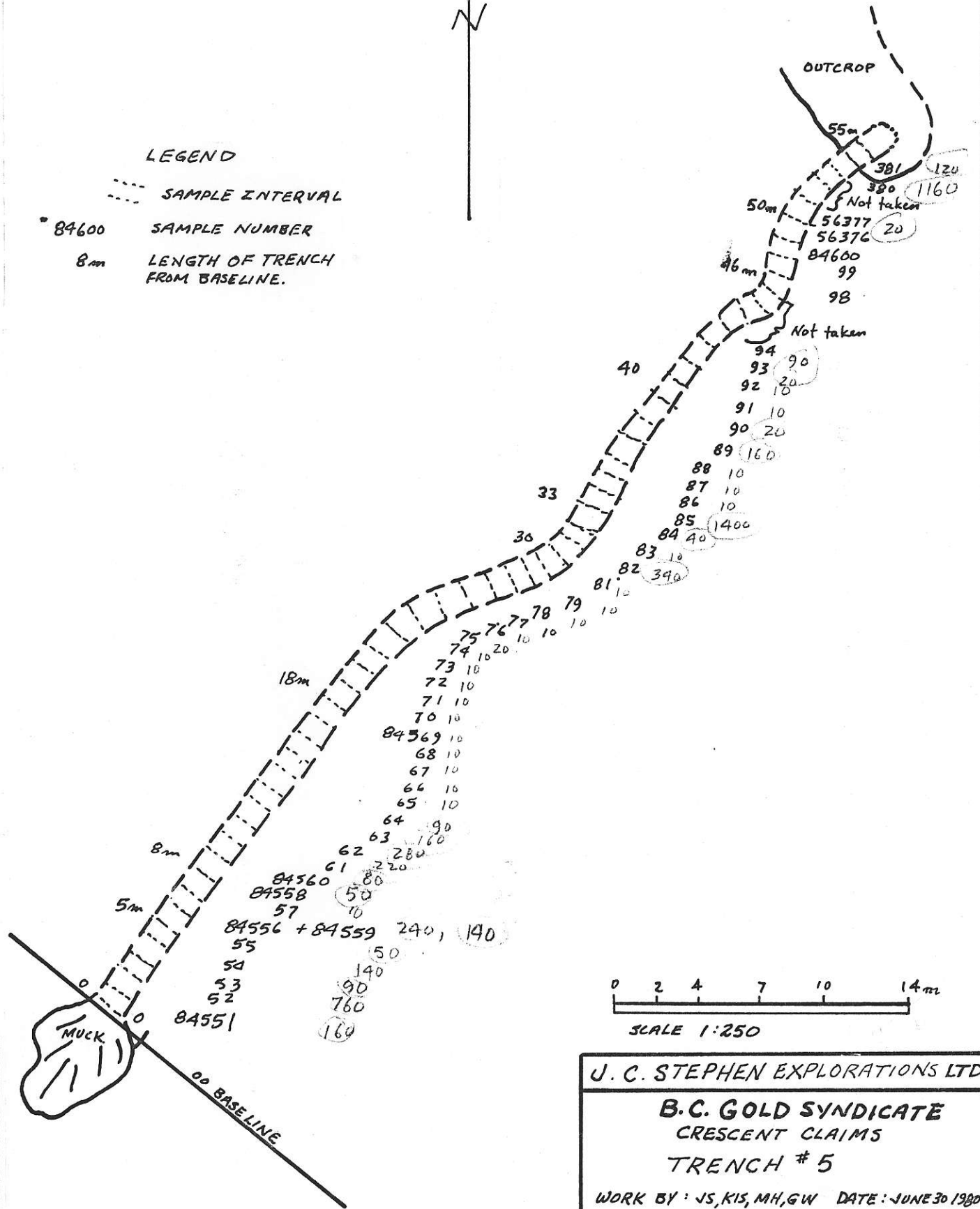


LEGEND

--- SAMPLE INTERVAL

84600 SAMPLE NUMBER

8m LENGTH OF TRENCH FROM BASELINE.



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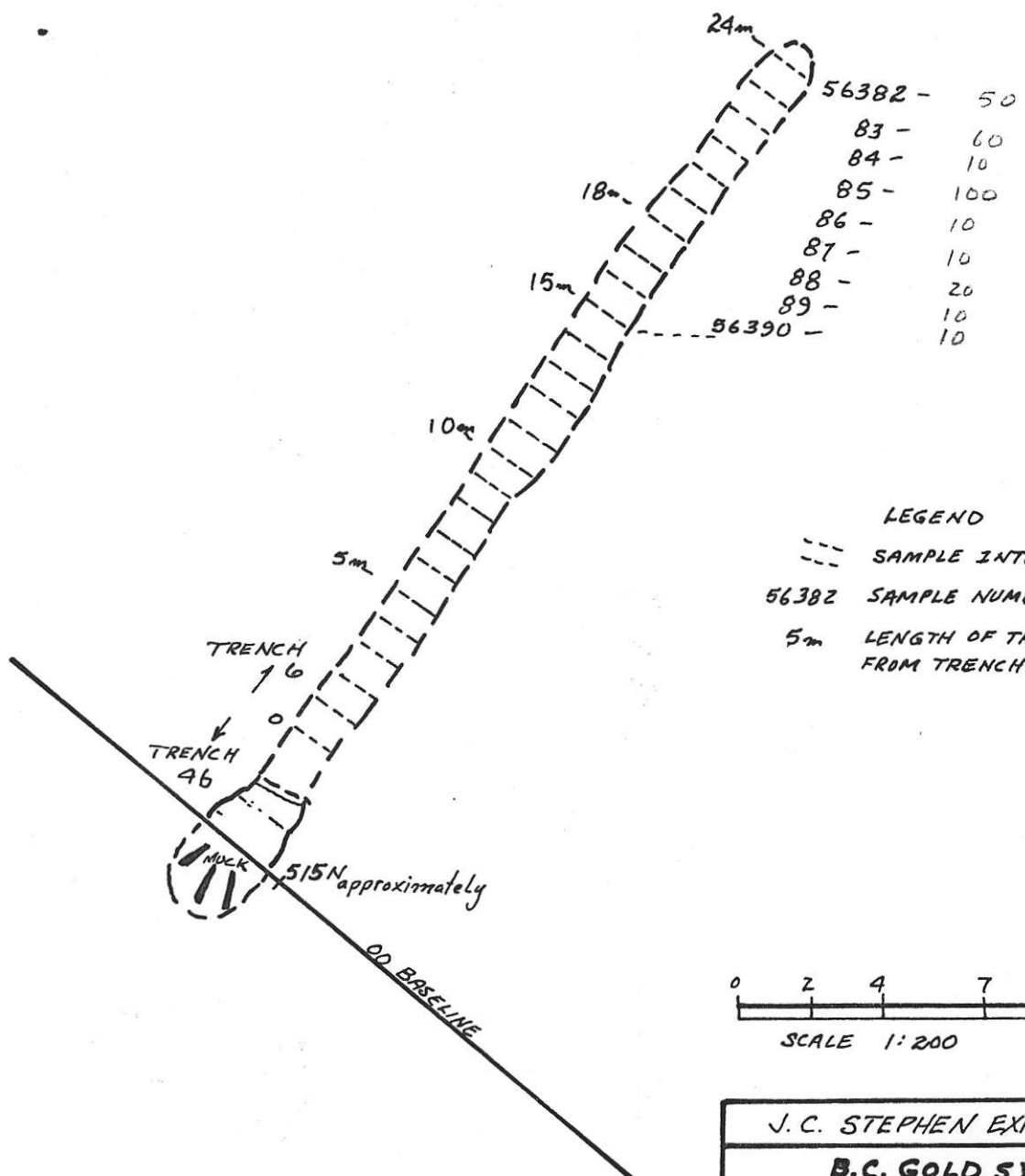
**CRESCENT CLAIMS**

**TRENCH # 5**

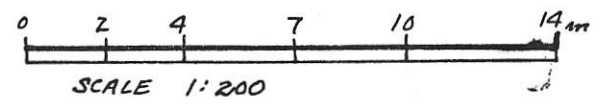
WORK BY : JS, KIS, MH, GW DATE : JUNE 30 1980

DRAWN BY : JS NTS : 103 B/1340.

FIGURE 1 JUNE REPORT



**LEGEND**  
 --- SAMPLE INTERVAL  
 56382 SAMPLE NUMBER  
 5m LENGTH OF TRENCH FROM TRENCH 4b



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**B.C. GOLD SYNDICATE.**  
 CRESCENT CLAIMS  
 TRENCH #6  
 WORK BY: JS, KIS, MH      DATE: JUNE 30 1980  
 DRAWN BY: JS              NTS: 103 B/15W.

FIGURE 2, JUNE REPORT

(5) Bulk Soils, Bema Overburden Drilling

A preliminary analysis of the bulk soil samples has been done by S. Averill and his short report is contained in Appendix III. It is interesting to note that samples 04 and 08 contained free gold. A more detailed optical examination will be done when the geochemical results are received.

Samples taken by Bema Industries by overburden drilling methods gave several anomalous results. The following rock samples ran:

<u>Hole No.</u>	<u>Depth in metres</u>	<u>Au in ppb</u>
1	.8	160
2D	2.6	20
10	.9	50
9	.5	100
14	.7	120

Six of the mainly organic muck samples proved to have not enough material for a gold assay. Of the remaining samples the following two were anomalous: 12-1m 80ppb Au, and 3-1m 120 ppb Au. Locations of these holes were given in the May Report.

(6) Assessment Work

Work filed on June 27, 1980 is shown in Table II and in summary form on the Statement of Exploration and Development Forms contained in Appendix VII. Briefly 1980 work amounted to 3 years on Group One and 1 year on Group Two totalling 7 years on Group One and 3 years on Group two.

## TABLE II

STATEMENT OF COSTSCRESCENT CLAIMSFIELD TIME April 29 to July 4, 1980WAGES AND FRINGE BENEFITS

J.T. Shearer	22 days @ 84.33 per day	\$ 1,855.26	
J.M. Pautler	54 days @ 70.37 per day	3,799.99	
A.E. Heagy	44 days @ 60.93 per day	2,680.92	
J.D. Clarke	11 days @ 70.56 per day	776.16	
S.E. Angus	11 days @ 63.15 per day	694.65	
G. Marchak	18 days @ 60.93 per day	1,096.74	
K. Swartz	39 days @ 60.93 per day	2,376.27	
K.H. Stauffert	25 days @ 60.93 per day	1,523.25	
M. heroux	24 days @ 49.62 per day	1,190.88	
W. Stanman	8 days @ 75.00 per day	600.00	
R. Summerfield	8 days @ 75.00 per day	600.00	
J. Plosz	25 days @ 70.00 per day	1,750.00	
W.K. Mysyk	<u>11 days @ 84.33 per day</u>	<u>927.63</u>	
Total 300 man days			\$ 19,871.75

FOOD AND CAMP SUPPLIES

300 man days @ 12.00 per man	\$ 3,600.00	
Tent rental 2 months	600.00	
Radio rental 2 months	350.00	
Expediting 2 months	<u>500.00</u>	
		\$ 5,050.00

TRANSPORTATION

Trans Provincial Airlines		
8 Otter Trips	\$ 1,680.00	
6 Beaver Trips	1,116.00	
Vancouver Island Helicopters		
5.7 hours @ 355.00 per hour	2,023.50	
P.W.A. Vancouver to Sandspit		
• 639 for 4.2	1,278.00	
Boat Rental 24 days @ 25.00 per day	<u>600.00</u>	
		\$ 6,697.50

GEOCHEMISTRY

Rock Samples		
125 Samples @ 6.75 + 1.75 = 8.25 per Sample                      Certificate No.	\$ 1,093.75	
Soil Samples		
114 Samples @ 6.50 + .45 = 6.95 per Sample	883.50	
Sample Shipments 14.00 per kg	246.00	
Bema Industries contract overburden soil sampling 5 days @ 450.00	2,562.00	
Bulk Soil heavy mineral separations	<u>425.00</u>	
		\$ 5,210.25

GEOPHYSICS

Airborne Survey	\$ 4,070.00	
Rental of Base Station and Portable Proton Magnetometer for 23 days	960.00	
Induced Polarization 10 days + Mob Invoice No.	5,633.11	
Air Freight of Equipment	<u>340.00</u>	
		\$ 11,003.11

TRENCHING

Bema Industries contract drilling and blasting 5 days and demob	\$ 1,240.00	
Powder and Fuse	378.00	
Rental of cobra drill for 1 month	300.00	
Reproduction and drafting	420.00	
Report preparation, typing	<u>550.00</u>	
		<u>\$ 2,888.00</u>
	TOTAL	<u>\$ 50,720.61</u>



CRESCENT ONEPHYSICALTRENCHINGTRENCHING

K. Swartz	28 days @ 60.93 per day	\$ 1,706.04
M. Heroux	20 days @ 49.62 per day	992.40
G. Wilkinson	Bema Industries contract 6 days @ 175.00/day + mob Invoice # 314	1,240.00
Powder and Fuse		378.40
Rental of Cobra drill	1 month	300.00
Food and Camp Supplies 48 days @ 12.00 per man per day		<u>576.00</u>

\$ 5,192.84

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICALWAGES AND FRINGE BENEFITS

J. Shearer	18 days @ 84.33	\$ 1,517.94
J. Pautler	34 days @ 70.37	2,392.58
A. Heagy	25 days @ 60.93	1,523.25
J. Clarke	11 days @ 70.56	776.16
S. Angus	11 days @ 63.15	694.65
G. Marchak	18 days @ 60.93	1,096.74
K. Swartz	10 days @ 60.93	609.30
K. Stauffert	21 days @ 60.93	1,279.53
M. Heroux	4 days @ 49.62	198.48
W. Stanman	8 days @ 75.00	600.00
R. Summerfield	8 days @ 75.00	600.00
J. Plosz	20 days @ 70.00	1,400.00
W. Mysyk	<u>11 days @ 84.33</u>	<u>927.63</u>

Total 199 man days

\$ 13,616.26

FOOD AND CAMP SUPPLIES

199 man days @ 12.00 per man per day		\$ 2,388.00
82.3% of tent rental	\$ 600.00	
radio rental	350.00	
Expediting	<u>500.00</u>	
	1,450.00 x .823	<u>1,193.35</u>

\$ 3,581.35

TRANSPORTATION

82.3% of Trans Provincial Airlines		\$ 2,796.50
Vancouver Island Helicopters		2,023.00
Pacific Western Airlines		1,278.00
Boat Rental		<u>600.00</u>
	6,697.50 x .823	\$ 5,512.04

GEOCHEMISTRY

Rock Samples		
93 Samples @ 8.75 per sample	\$	813.75
Soil Samples		
87 Samples @ 7.75 per sample		674.25
82.3% of sample shipments	246.00	202.46
Bema overburden soil sampling, Invoice 332	2,562.00	
Bulk Soil		<u>425.00</u>

\$ 4,677.46

GEOPHYSICS

49.3% of Airborne Magnetometer	4,070.00	\$ 2,006.51
Ground Magnetometer		960.00
Induced Polarization		5,633.11
Air Freight		340.00
82.3% of Reproduction & Drafting	420.00	
82.3% of Report Preparation, typing	<u>550.00</u>	
	82.3% x 970.00	<u>798.31</u>

\$ 9,737.93

TOTAL

\$ 42,317.85

CRESCENT TWO GROUPSTATEMENTS OF COSTSFIELD TIME April 29 to July 4, 1980WAGES AND FRINGE BENEFITS

J. Shearer	4 @ 84.33	\$ 337.32
J. Pautler	20 @ 70.37	1,407.40
A. Heagy	19 @ 60.93	1,157.67
K. Swartz	1 @ 60.93	60.93
K. Stauffert	4 @ 60.93	243.72
J. Plosz	5 @ 70.00	<u>350.00</u>

\$ 3,557.04

FOOD AND CAMP SUPPLIES

53 Man Days @ 12.00	\$ 636.00
17.7% of Tent Rental	\$600.00
radio rental	350.00
Expediting	<u>500.00</u>
1,450.00 x .177	<u>256.65</u>

\$ 892.65

TRANSPORTATION

17.7% of Trans Provincial Airlines	\$ 2,796.50
Vancouver Island Helicopters	2,023.00
Pacific Western Airlines	1,278.00
Boat Rental	<u>600.00</u>
	6,697.50 X .177 \$ 1,185.46

GEOCHEMISTRY

Rock Samples		
32 Samples @ 8.75 per sample	\$	280.00
Soil Samples		
27 Samples @ 7.75 per sample		209.25
17.7% of Sample Shipments		<u>43.54</u>
	\$	532.79

GEOPHYSICS

50.7% of Airborne Magnetometer	4,070.00	\$	2,063.49
17.7% of Reproduction and drafting	420.00		
17.7% of Preparation, typing	<u>550.00</u>		
	.177 x 970.00		<u>171.69</u>
		\$	<u>2,235.18</u>
	TOTAL	\$	<u>8,403.12</u>

(B) ALDER GROUP (103B/6W)(1) Results and Assessment Work

Work done in 1980 has been summarized in the April and May reports. The Statement of Exploration and Development form filed on June 27, 1980 is contained in Appendix VII.

An assessment report including all work performed in 1980 will be written for filing in late July.

(C) LOCKEPORT CLAIMS (103B/12W)

Eight 2-post claims in the name of J. Shearer were staked on June 7, 1980 along the ridge between the head of Crescent Inlet and the old townsite of Lockeport on Kluukwai Bay as shown on Figure 5. These claims cover a series of gabbro dykes and irregular masses intruding massive grey limestone member of the Kunga Formation. At lower elevation, to the north-west of Lockeport 5 + 7 a high grade occurrence of float was found containing bornite, chalcopyrite and sphalerite. The outcrop of this float has not been found. Initial assay results are shown on Figures 6 and 7. Silver is running >20 ppm in several copper bearing rocks and will be reanalyzed.

Kluukwai

A basemap of 1:10,000 will be prepared shortly and all results transferred for clarification. Several soils are >500 ppm As along the ridge crest. Prominent fault scarps divide the ridge into a series of small saddles accentuated by well developed Karst topography. A large rusty cliff visible from the Crescent Camp is situated along the east branch of a steep fault controlled creek canyon.



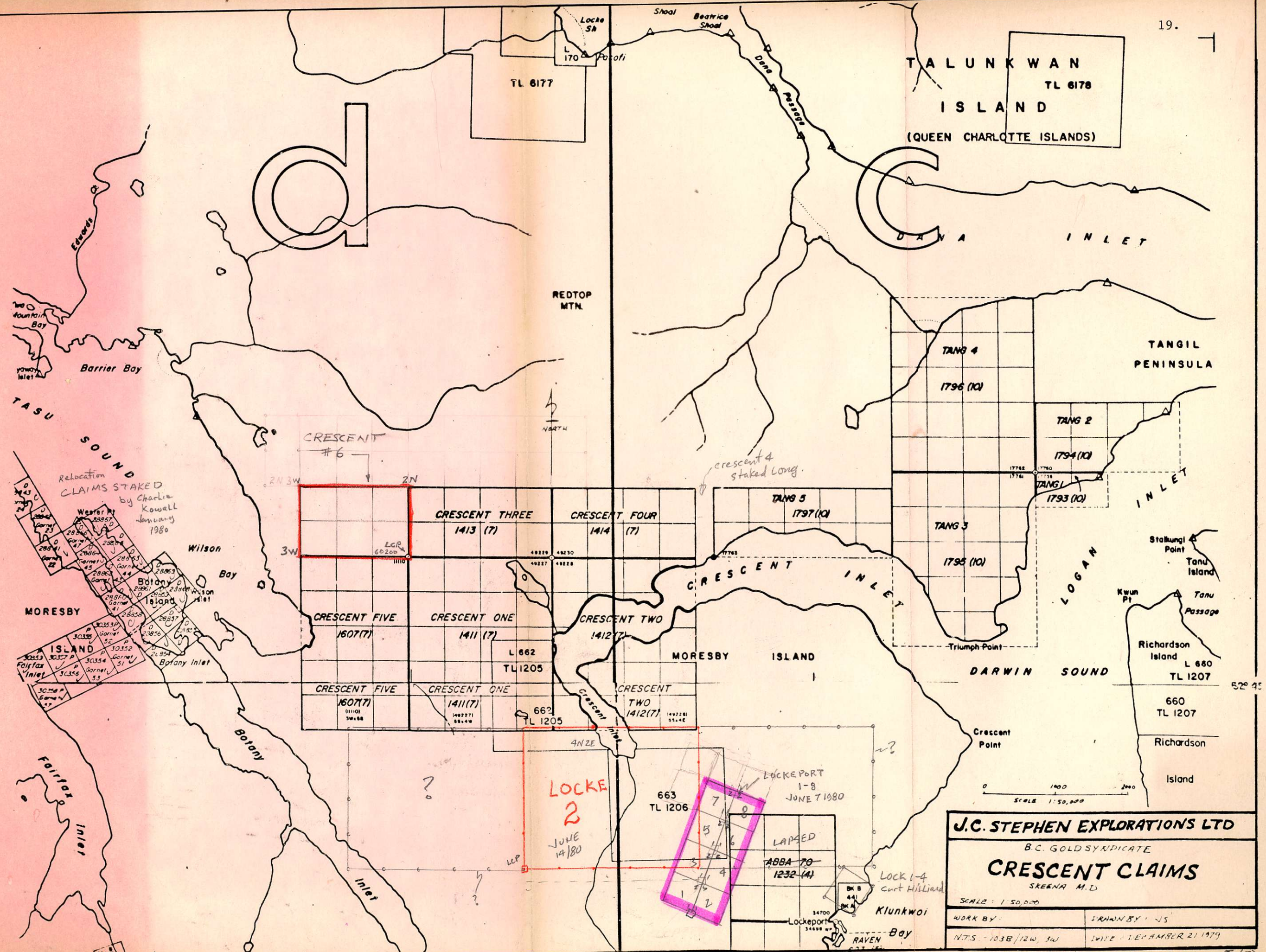
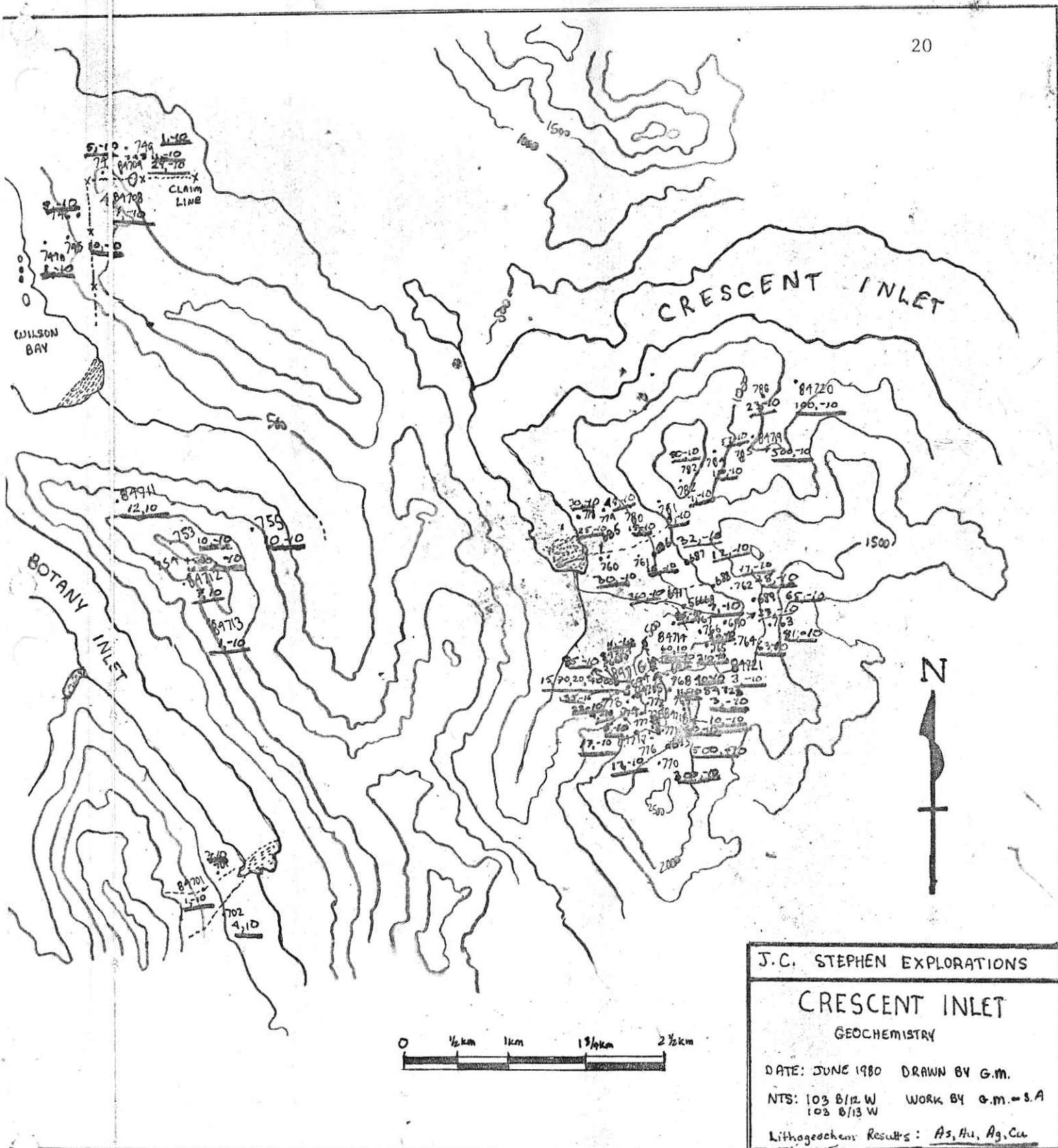


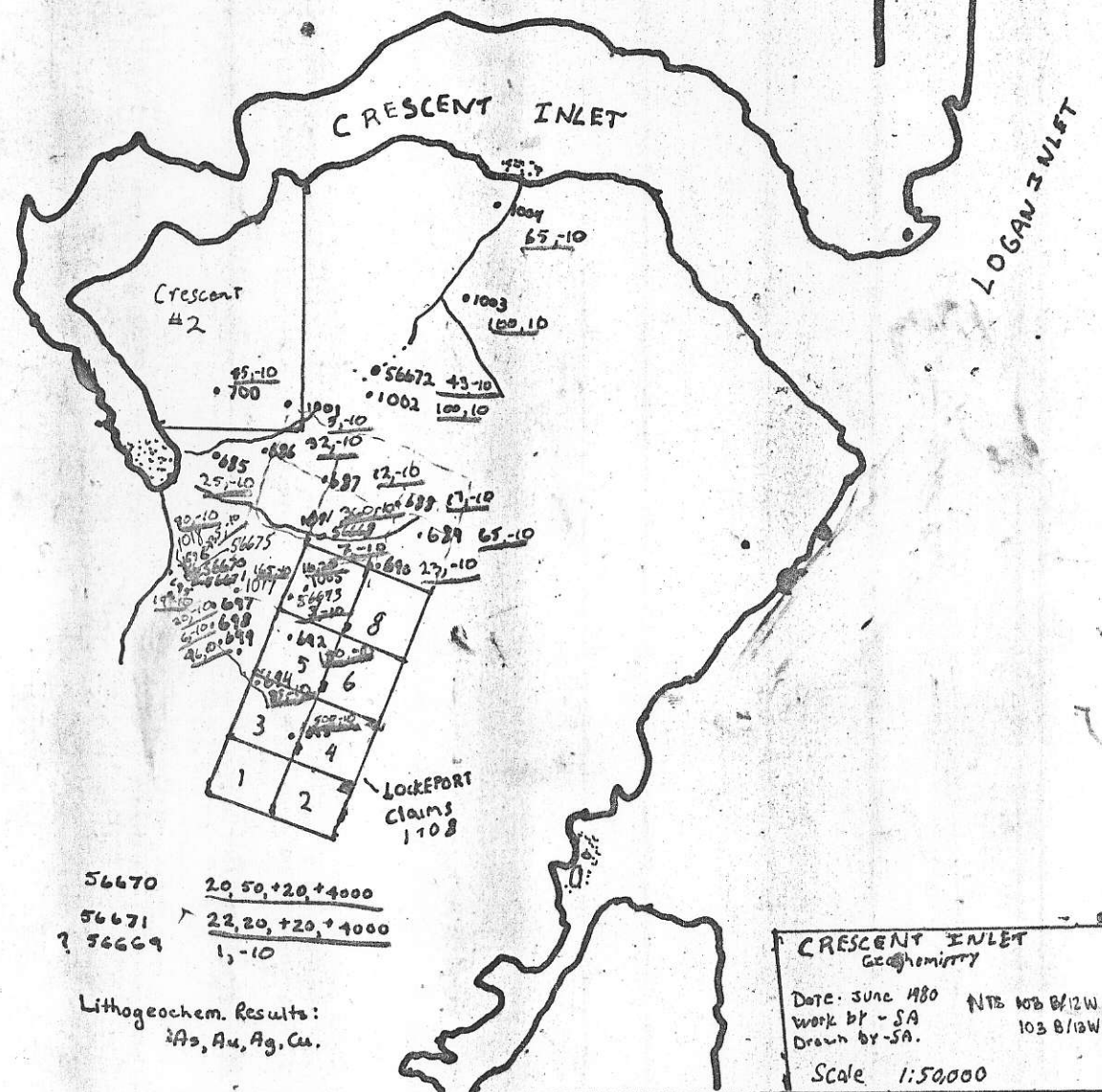
FIGURE 5 JUNE REPORT FIGURE 2 (5)





J.C. STEPHEN EXPLORATIONS  
**CRESCENT INLET**  
 GEOCHEMISTRY  
 DATE: JUNE 1980 DRAWN BY G.M.  
 NTS: 103 B/12 W WORK BY G.M.-S.A.  
 103 B/13 W  
 Lithogeochem Results: As, Au, Ag, Cu  
**FIGURE 6, JUNE REPORT**





56670    20, 50, +20, +4000  
 56671    22, 20, +20, +4000  
 ? 56669    1, -10

Litho geochem. Results:  
 As, Au, Ag, Cu.

FIGURE 7 JUNE REPORT

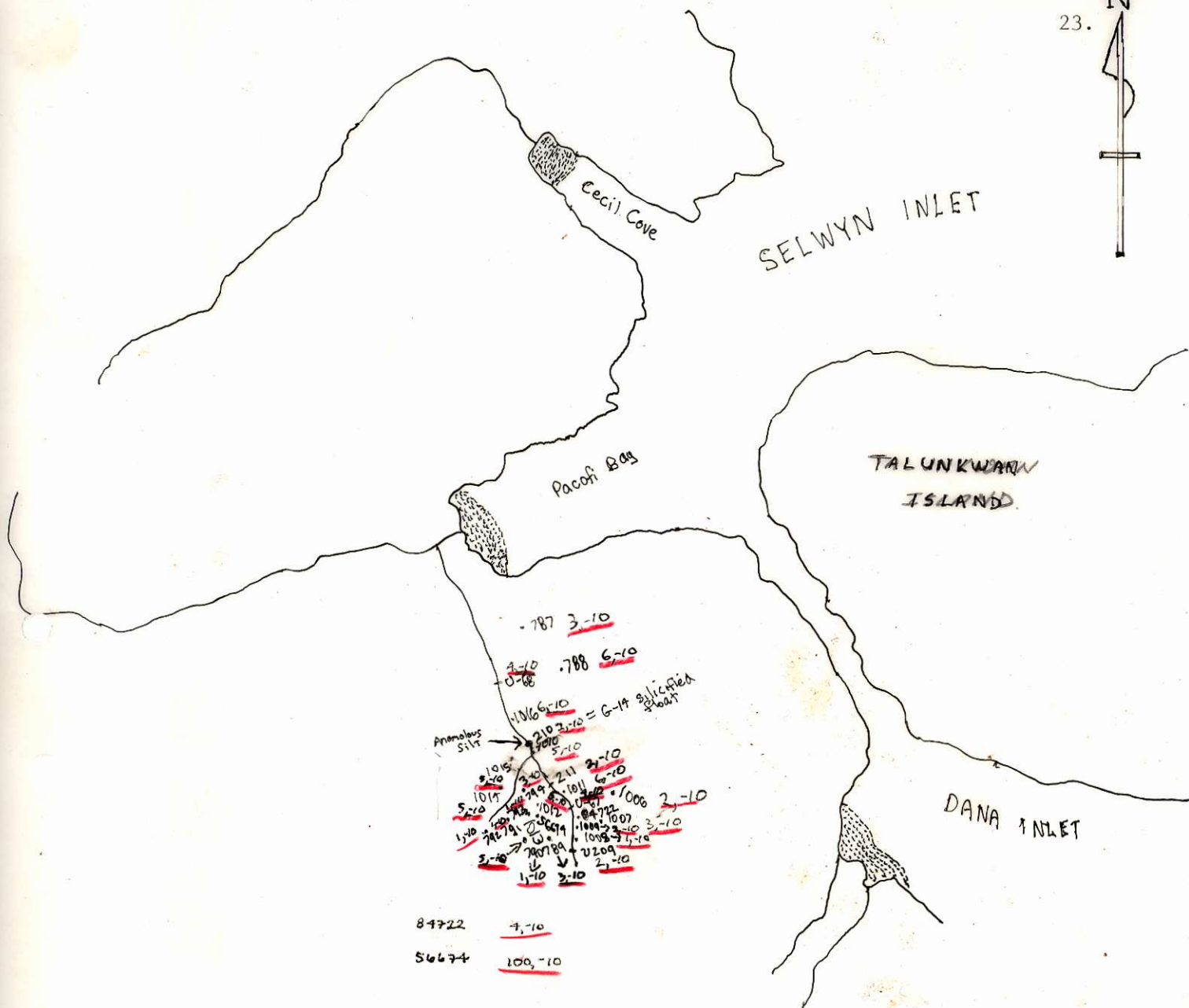
On June 14th, 1980, JMT Services located the Locke 2 claim partially overlapping the Lockeport claims and tieing on to the south end of the Crescent Claim Group.

Soil sampling is planned for July from a camp on top of the ridge.

(D) PACOFI BAY (103B/13W)

(1) Follow up Work

Two days of prospecting and sampling were done via the boat from the Crescent Camp in Pacofi Bay. A silt sample taken in 1979 gave a slightly anomalous value of 70 ppb. This sample site was revisited and many soils, silts and rocks taken as shown on Figure 8. All 1980 sampling gave low As and Au results and no further work appears necessary in this area.



J. C. STEPHEN EXPLORATIONS LTD

PACOFI BAY  
GEOCHEMISTRY AND GEOLOGY

DATE: JUNE 1980 WORK BY S.A. G.M.  
NTS: 103B/13W DRAWN BY G.M.

Lithogeochem Results: As, Au

FIGURE B JUNE REPORT

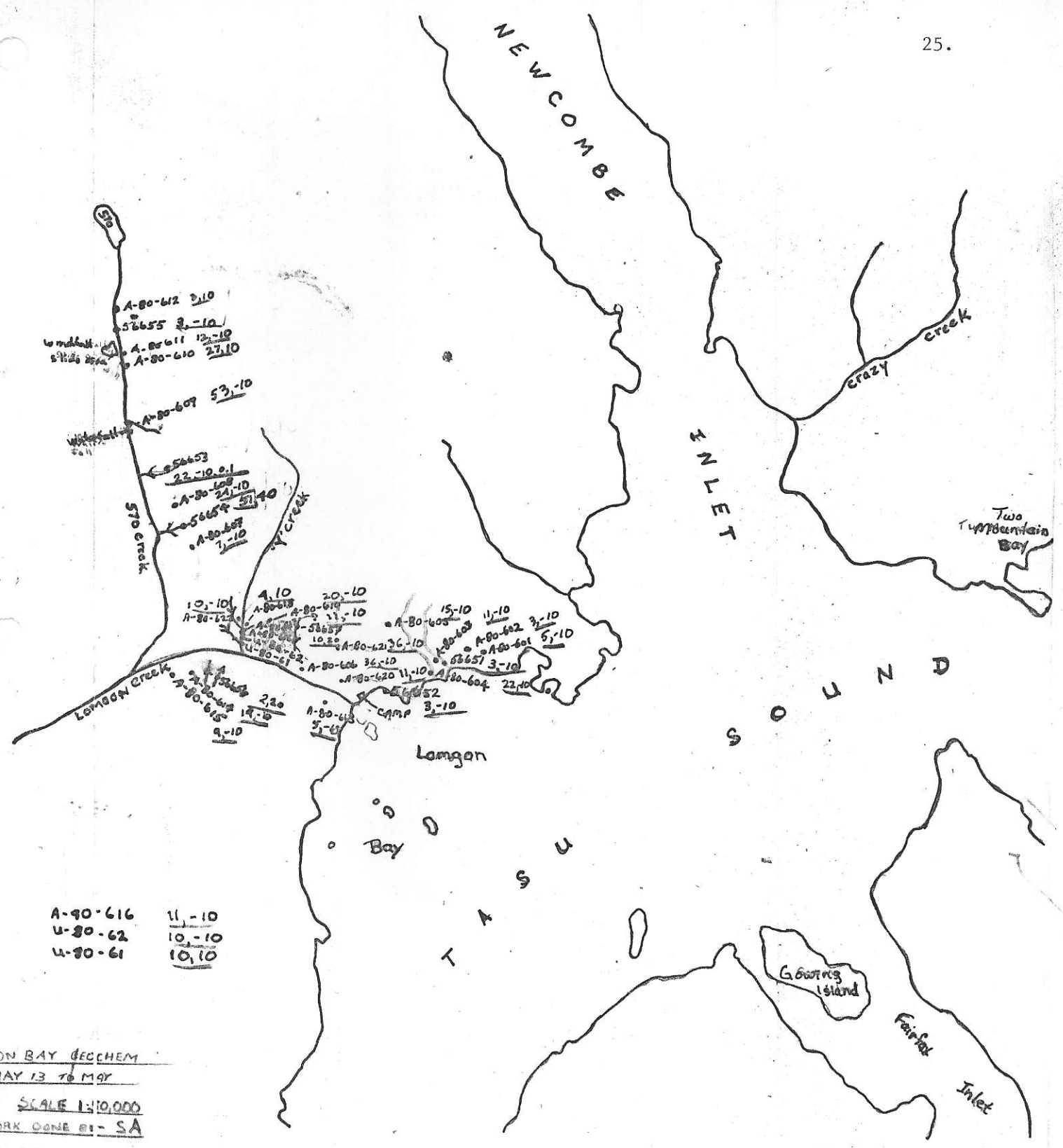
(E) LOMGON BAY - TASU SOUND (SINGA CLAIMS) (103B/13W, 103C/16E)

Sample results have been received for the Lomgon (SINGA CLAIMS) Bay area as illustrated on Figures 9 and 10. All values are below background with the exception of a piece of sphalerite bearing float in "Y-creek" that gave 70 ppb Au. However a camp near "570 Lake" is considered advisable to give additional coverage around this geologically interesting area.

Reconnaissance prospecting and geochemistry were carried out along the north-east side of Tasu Sound as shown on Figures 11, 12 and 13. In general all results are uniformly low. One possible exception is the occurrence of a pyritic layer within black, thin bedded Kunga Formation limestone that ran 11 ppm silver along Crazy Creek which warrants additional investigation (sample # 84707).

Future work is planned along Flat Creek, in the lowlands between Flat Creek and Crescent 6, 3 and 4, and along the northern end of Newcombe Inlet.

Most of the old Garnet showings opposite Tasu townsite have been recently staked by Charlie Kowall.

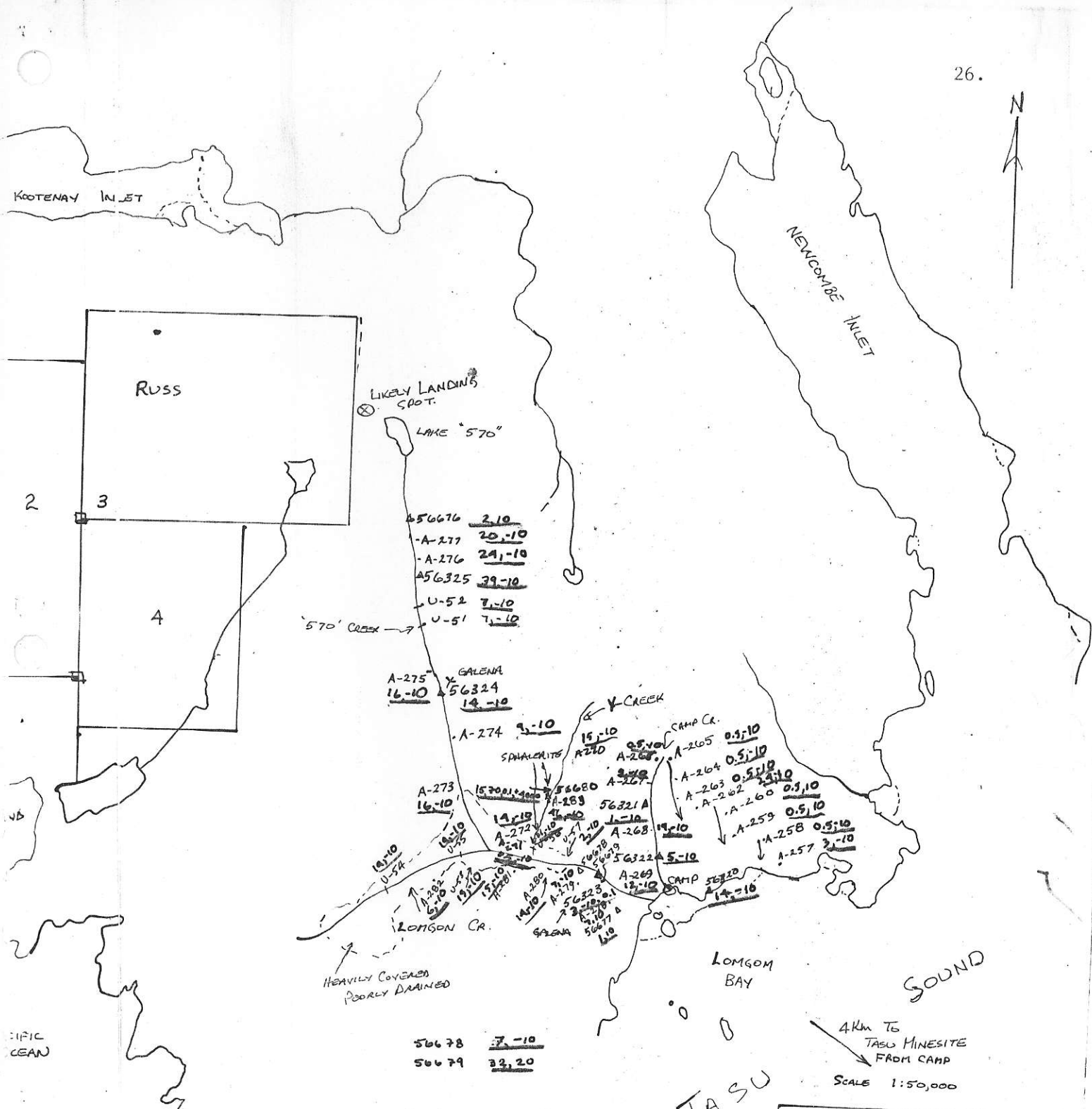


A-80-616 11-10  
 U-80-62 10-10  
 U-80-61 10-10

GON BAY GEOCHEM  
 MAY 13 TO MAY  
 SCALE 1:10,000  
 WORK DONE BY SA

Geochem. Results: As Au Ag

FIGURE 9 JUNE REPORT



56678 7.10  
56679 33.20

Lithogeochem Results: As, Au, Ag, Zn

4 Km TO  
TASU MINESITE  
FROM CAMP  
SCALE 1:50,000

J.C. STEPHEN EXPLORATIONS  
B.C. GOLD SYNDICATE  
GEOCHEM LOCATIONS  
(LOMGOM BAY CAMP)  
NTS 103 C/16E WORK: JDC.  
MAY 1980  
FIGURE 10 - JUNE REPORT



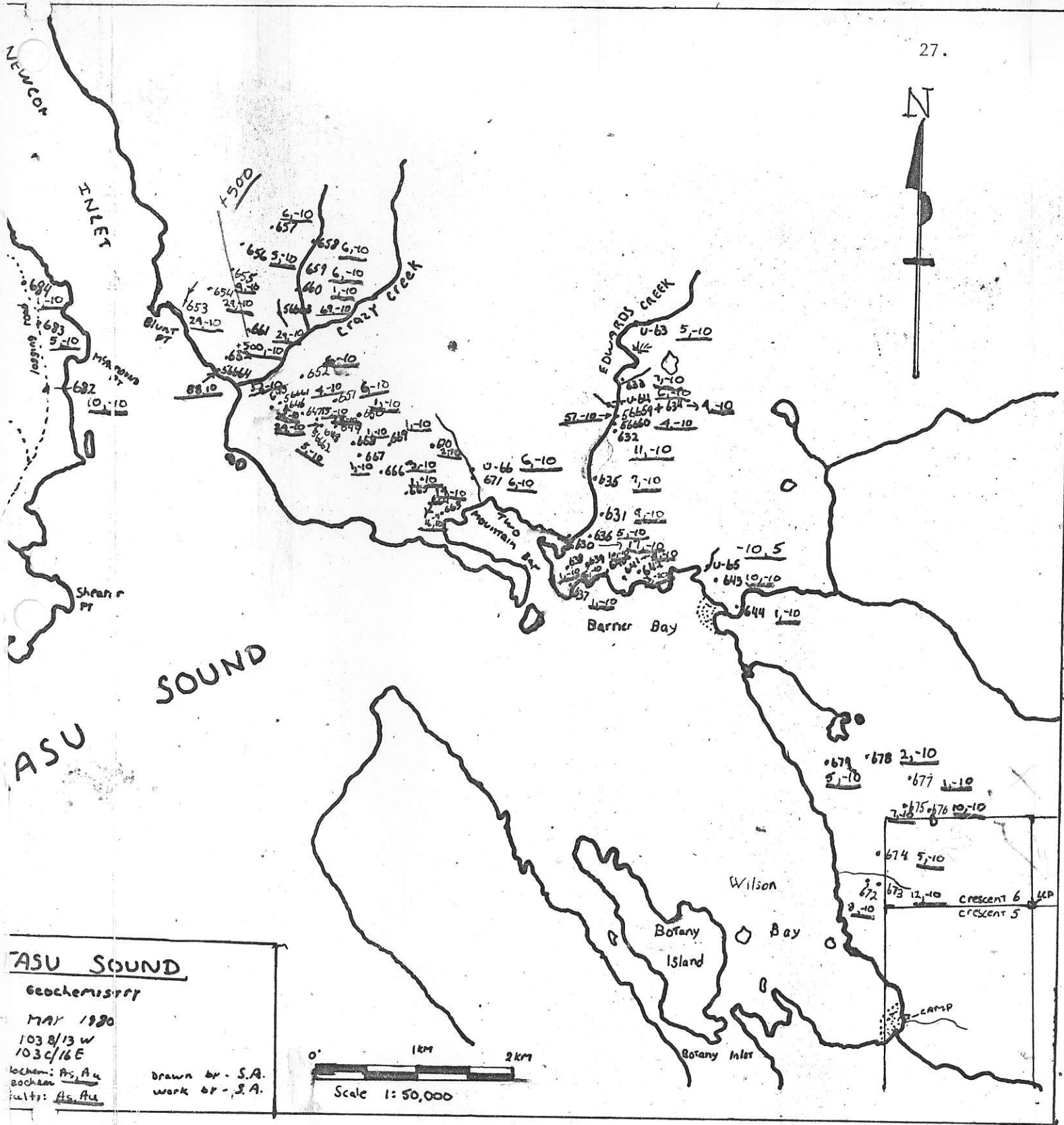
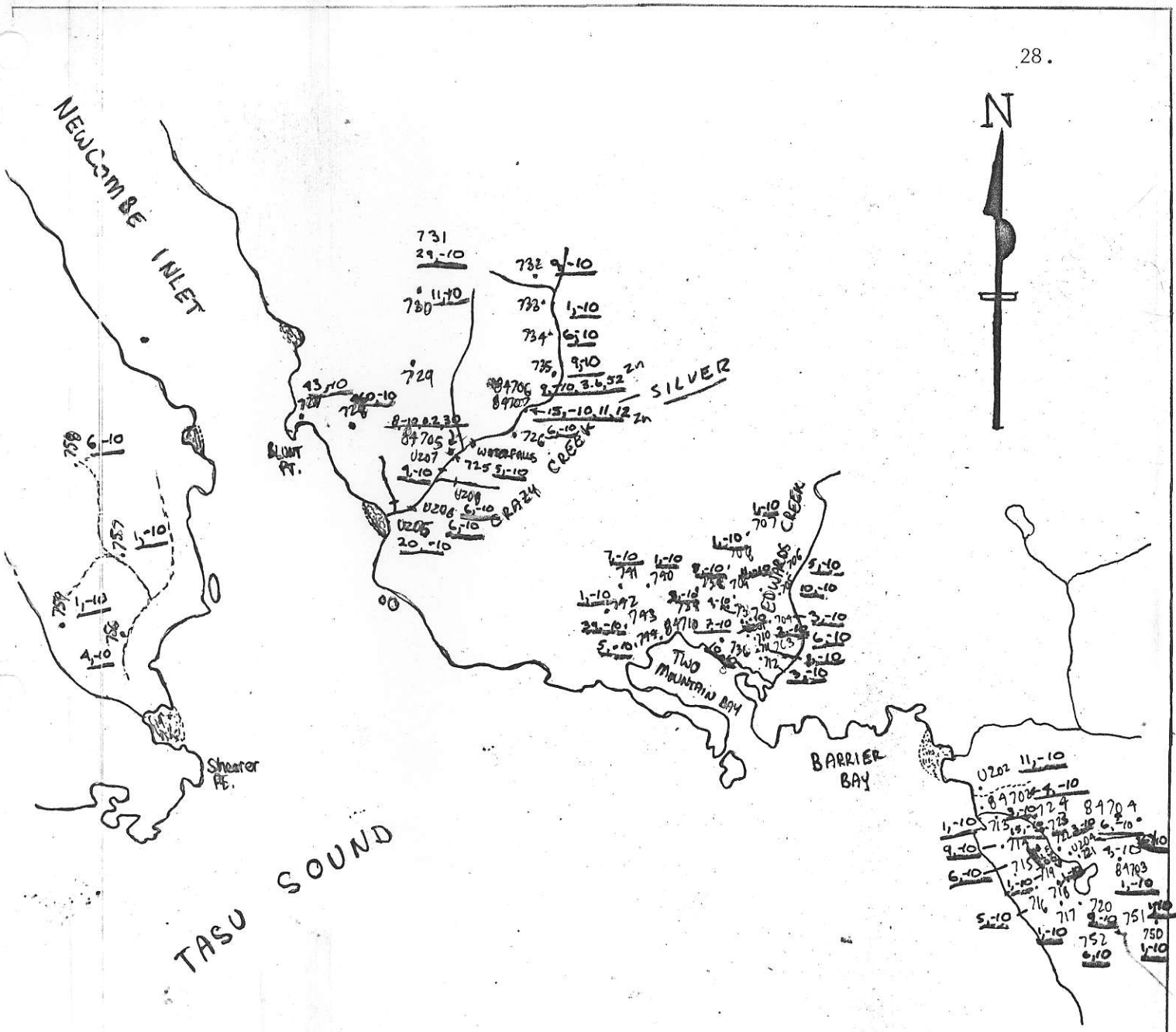
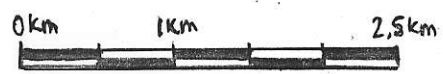


FIGURE 11 JUNE REPORT





TASU SOUND



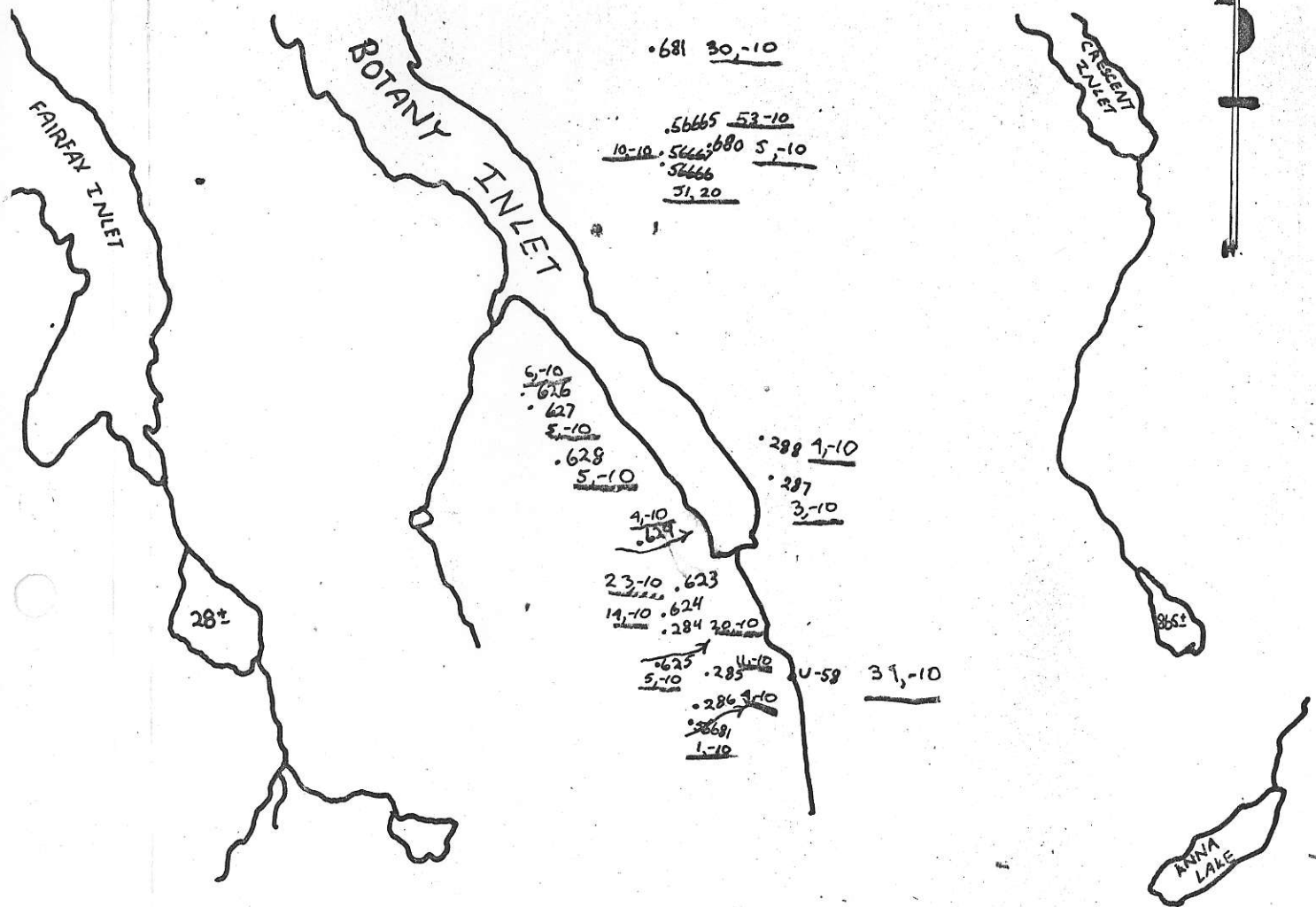
SCALE 1:50,000

Soil geochemistry: As, Au

J.C. STEPHEN EXPLORATIONS  
 TASU SOUND SAMPLES  
 GEOCHEMISTRY

DATE: MAY 1980 DRAWING: G.M.  
 NTS: 103 B/13 W, WORK BY G.M.  
 103 C 16 E  
 Litho geochem Results: As, Au, Ag, Zn

FIGURE 12, JUNE REPORT



**SU SOUND**  
 geochemistry  
 MAY 1980  
 3 B/12W  
 schen  
 s: As, Au  
 ? As, Au  
 Drawn by - S.A  
 work by - IQC-S.A.

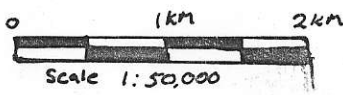


FIGURE 13, JUNE REPORT

(F) SOUTH BURNABY ISLAND CAMP (103B/6W)

A camp was established on Poole Inlet and prospecting conducted mainly between Poole Inlet and Swan Bay as shown on Figures 14 and 15. A report covering the work is contained in Appendix IV by S. Angus. Results indicate slightly anomalous rock geochemistry in silicified zones hosted by a complex assemblage of massive grey limestone, narrow basaltic dykes and masses of porphyritic diorite. Soil geochem show high arsenic on the silicified zones. Instead of the six 2-post claims being recorded, a block of four modified grid claims as illustrated in figure 16 will be located shortly.

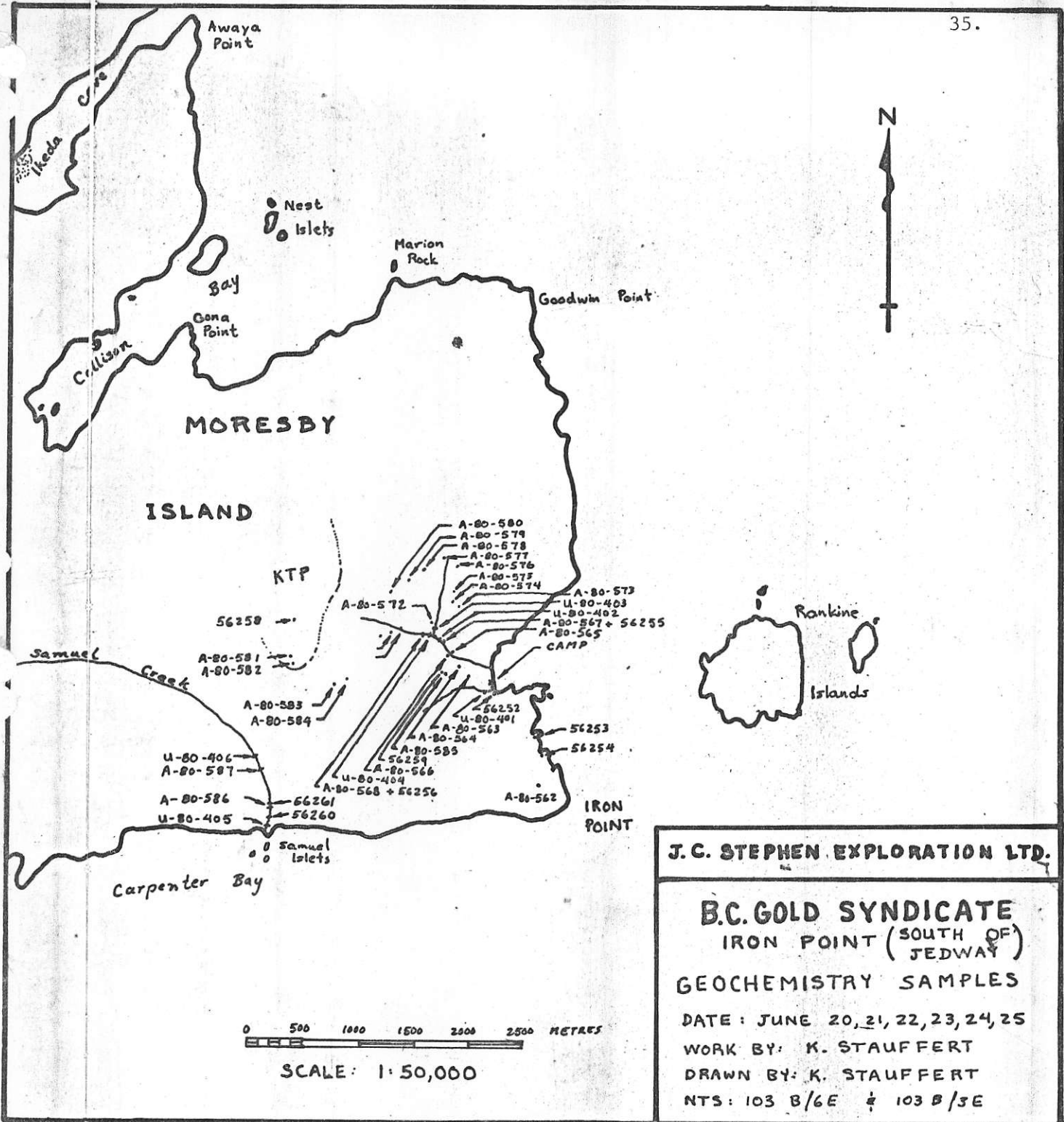
Additional prospecting, soil sampling and preliminary geological mapping are planned before the end of July. The iron deposits of Burnaby Iron Mines are located off shore of Pelican Cove and Sutherland-Brown's (1968) description of this property is a helpful introduction.

In this area a gap exists between the work in Poole Inlet and the ALDER Group. Some reconnaissance work should be carried out especially around the MAC occurrence. This is considered to be a very favourable trend.

(G) IRON POINT AND KOYA BAY CAMPS (103B/6E, 3E)

Prospecting was done from two camps in the general vicinity of Carpenter Bay approximately 10 miles south of Jedway. Sample locations are plotted on Figures 17, 18 and 19. One day was spent along the coast to Rose Harbour where recently staked claims by Texasgulf over old copper-zinc showings in Raspberry Cove were noted.

The large area shown as Longarm Formation along Iron Point was found to be altered and intruded Kunga Formation argillite. A report by S. Angus on the Koya Bay Area is contained in Appendix V. No visual signs of significant mineralization were found.



J. C. STEPHEN EXPLORATION LTD.

**B.C. GOLD SYNDICATE**  
IRON POINT (SOUTH OF JEDWAY)

GEOCHEMISTRY SAMPLES

DATE: JUNE 20, 21, 22, 23, 24, 25

WORK BY: K. STAUFFERT

DRAWN BY: K. STAUFFERT

NTS: 103 B/6E & 103 B/3E

FIGURE 17 JUNE REPORT

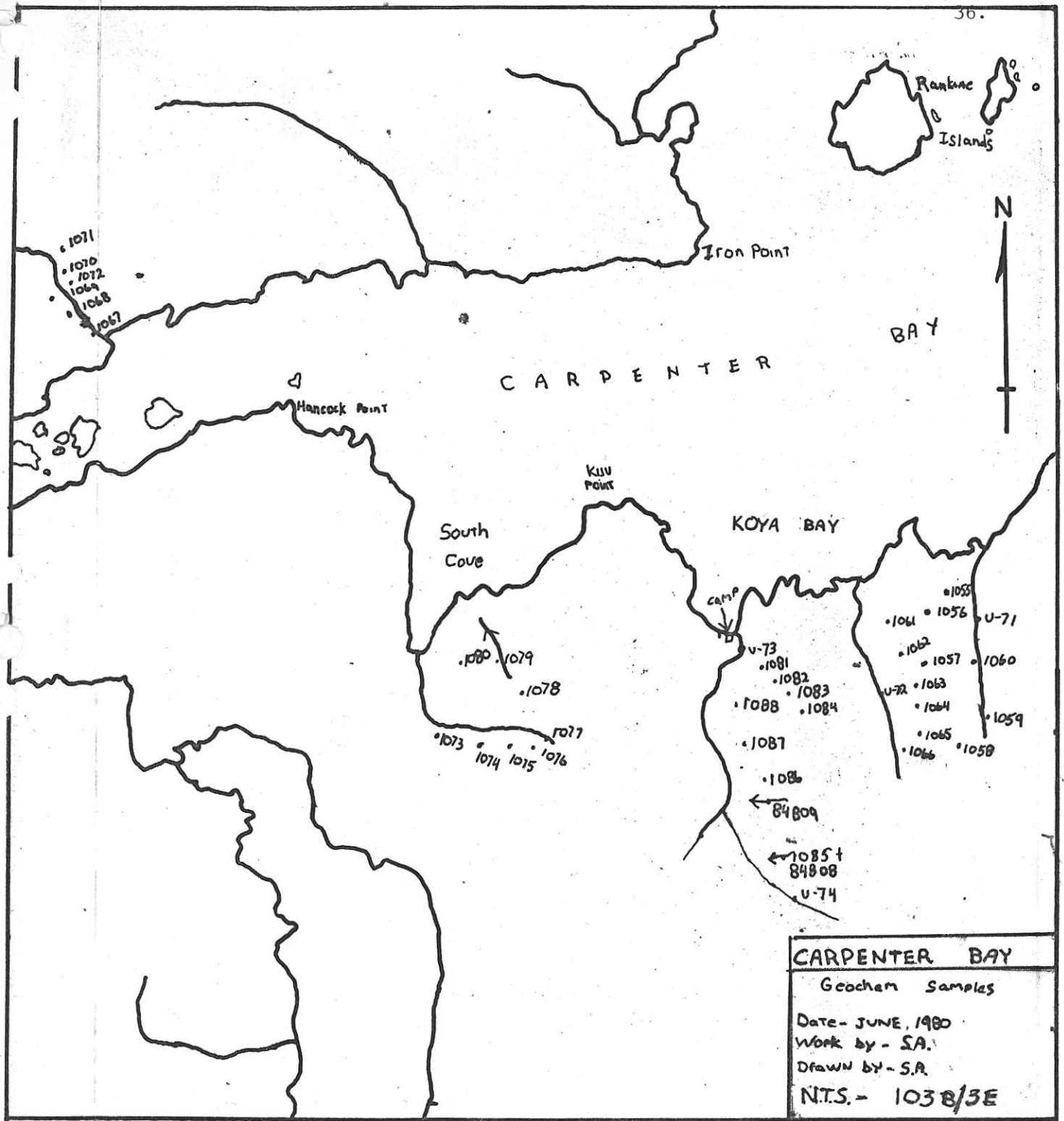
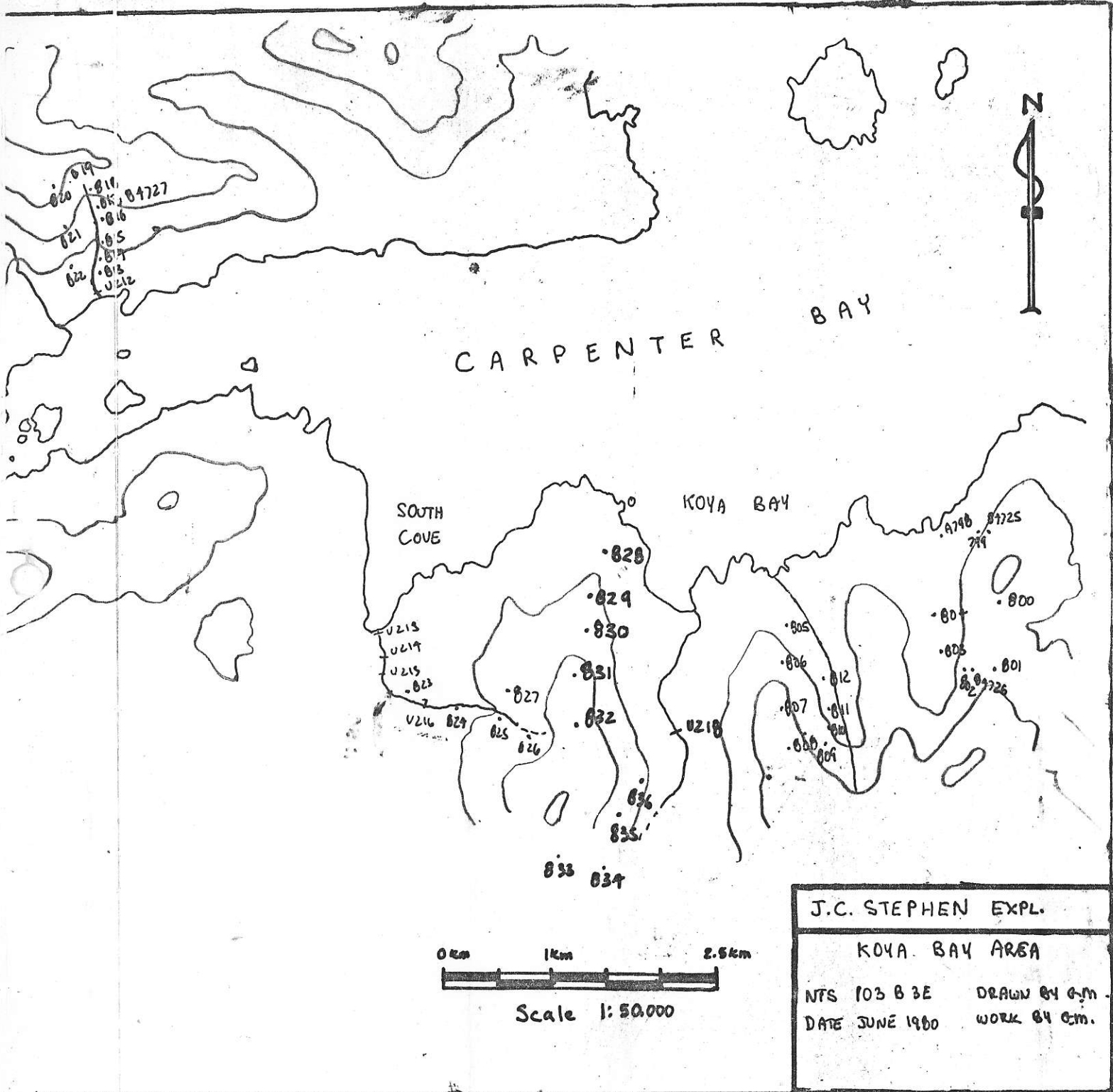


FIGURE 1B, JUNE REPORT



- FIGURE 19 (JUNE REPORT)

(H) TAR CLAIMS AND EAST LYELL ISLAND (103B/11E,W)

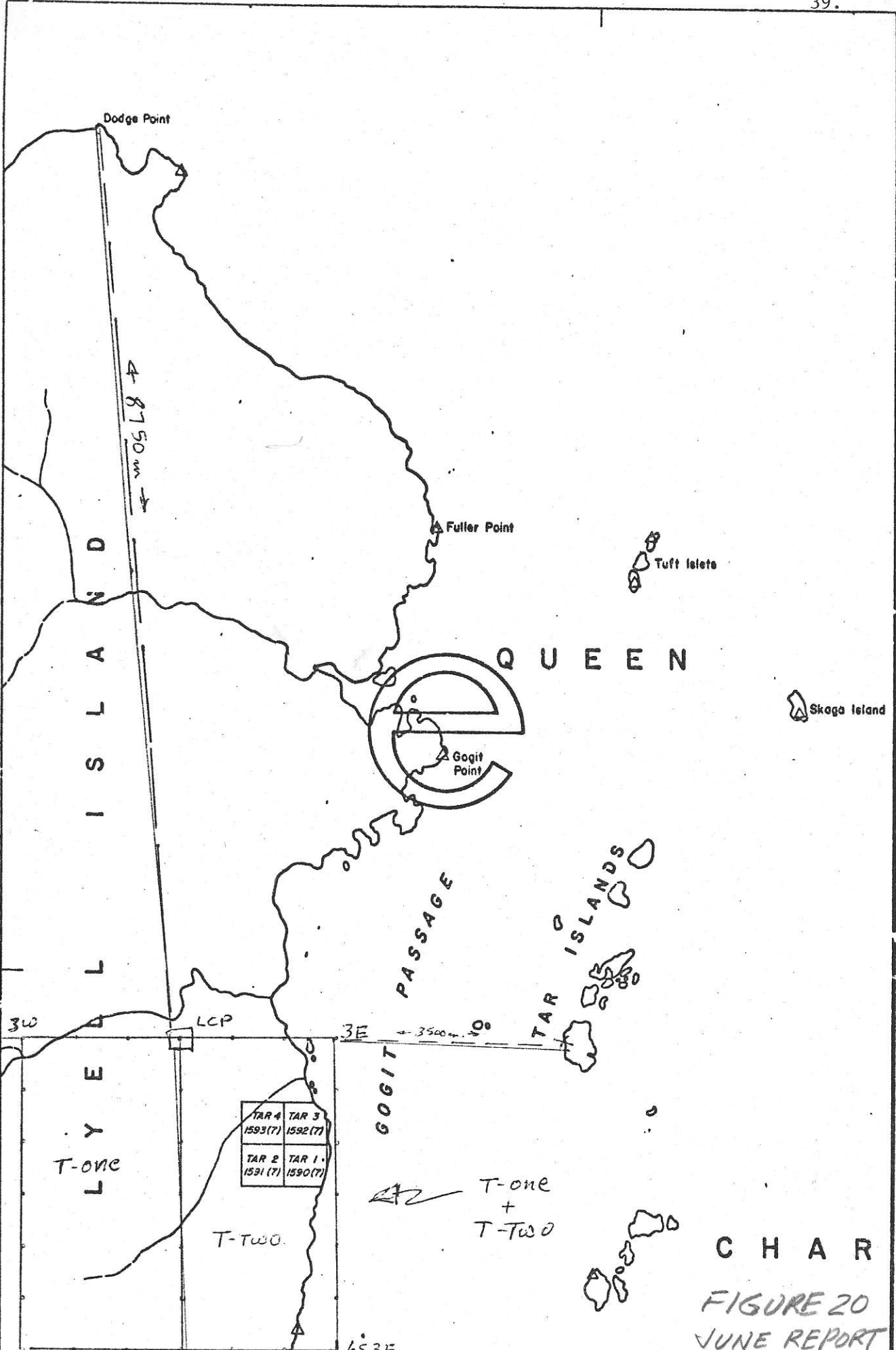
Follow up prospecting on the TAR claims resulted in several new silicified zones being discovered. A group of two 18 unit claims will be located to give a buffer zone around the original four 2-post claims as shown in Figure 20.

Preliminary geological mapping on a 1:10,000 scale is planned for July. Approximately 2 years assessment work should be applicable from the 1980 program.

Road construction has progressed down the Gate Creek drainage to a point just outside the claims. Presumably this road will swing south along the shoreline and through the area of interest.



M 103B/11W



CHARL  
FIGURE 20  
JUNE REPORT

## CONCLUSIONS AND RECOMMENDATIONS

The initial phase of 1980 property work on Crescent Claims has been almost completed. A final compilation will be done in late July on receipt of all outstanding analytical results.

Although results of the trenching will be a highly significant part of the accumulating data base it would be somewhat short sighted to place too much emphasis on the limited trenching done to date.

In my opinion, to understand the complex, rapid changes of lithology observed even in the sparse exposure now available on Gabbro Hill we need the type of information only available from diamond drilling. A three dimensional picture is crucial as a preliminary step in evaluating the apparent complexities seen on surface. Without drilling the nature of the overall geological environment is obscure to say the least.

Trenching, although suitable in the steeper areas, approaches the cost of diamond drilling with the distinct disadvantage of far less information. Ideally additional trenching should proceed at the same time as drilling.

Significant copper-silver mineralization has been found on the Lockeport Claims. Soil sampling and prospecting are scheduled for July.

An interesting area of anomalous gold in widespread siliceous alteration of massive grey limestone and associated basaltic dykes has been discovered near Swan Bay adjacent to the JIB Claims of Burnaby Iron Mines. Prospecting, soil sampling and limited geological mapping will be used to evaluate these claims.

In spite of discouraging initial results in the Tasu Sound Area, some targets remain to be examined in detail and will be checked during July.

The planned Syndicate Committee meeting in early August should consider the problem of drilling on Crescent Claims and also address the question of continuing reconnaissance work in 1981. The new status of the McIntyre-Canadian Superior participation in the Syndicate should be clarified.

Respectfully submitted,

J.T. Shearer

JTS/ms

A P P E N D I X I

TIME SHEETS

JUNE 1980

J. Shearer  
A. Heagy  
J. Pautler  
K. Swartz  
M. Heroux  
G. Marchak  
S. Angus  
K. Stauffert  
J. Plosz

**J.C. STEPHEN EXPLORATION LTD.**

1124 WEST 15th STREET  
NORTH VANCOUVER, B.C.  
V7P 1M9

TELEPHONE (604) 988-1545

NAME J. T. SHEARER

MONTHLY TIME RECORD FOR JUNE 1980

staking  
LOCKEPORT 1-8 →

? Record  
SINGA.

RECORD  
LOCKEPORT  
1-8 →

DATE	WORK DONE	CHARGE
1	MAY Monthly Report	B.C. GOLD GENERAL
2	Alder Assessment	" " "
3	Geology, shoreline	CRESCENT 2
4	B.C. GOLD GENERAL	B.C. GOLD GENERAL
5	CAMP CONSTRUCTION	" " "
6	B.C. GOLD GENERAL	" " "
7	STAKING	" " "
8	B.C. GOLD GENERAL	" " "
9	GOLDEN EAGLE	" " "
10	GOLDEN EAGLE	" " "
11	CRESCENT ASSESSMENT	CRESCENT
12	GOLDEN EAGLE	B.C. GOLD GENERAL
13	ALDER ASSESSMENT	" " "
14	TRENCHING	CRESCENT
15	CRESCENT ASSESSMENT	CRESCENT
16	CRESCENT GEOLOGY	CRESCENT
17	PACK CAMP CHARLIE GOLDEN EAGLE	B.C. GOLD GENERAL
18	Camp construction June report	" " "
19	MOVE to Iron Point CC CAMP	" " "
20	Iron Point Camp	" " "
21	Iron Point Camp	" " "
22	Iron Point Camp	" " "
23	Iron Point Camp	" " "
24	Iron Point Camp Kunghit Island	" " "
25	Iron Point Camp	" " "
26	MOVE to SANDSPIT CC CRESCENT INLET	CRESCENT
27	SANDSPIT → Prince Rupert	CRESCENT
28	June Report,	B.C. Gold General
29	SANDSPIT to Crescent	B.C. Gold General
30	JUNE Monthly Report	CRESCENT
TOTAL DAYS WORKED		

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TELEPHONE (604) 988-1645

NAME Jean Pautler

MONTHLY TIME RECORD FOR June 1980

DATE	WORK DONE	CHARGE
1	mapping Crescent 1	Crescent
2	report	"
3	mapping Crescent Gp 1	"
4	" "	"
5	" "	"
6	nan baseline Crescent Gp 2	"
7	mapping Crescent Gp 2	"
8	" "	"
9	mapping Crescent 1	"
10	Prepare for fly camp etc	"
11	mapping Crescent 2	"
12	move camp to Wilson Bay	"
13	mapping CR 1	"
14	mapping CR 1	"
15	mapping CR 1	"
16	" CR 1	"
17	" CR 1	"
18	" CR 1	"
19	" CR 1	"
20	" CR 1	"
21	" CR 6	"
22	" CR 2	"
23	" CR 1	"
24	" CR 1	"
25	" CR 1	"
26	camp move mapping CR 1	"
27	mapping CR 1	"
28	" CR 1	"
29	" CR 1	"
30	" CR 1	"
TOTAL DAYS WORKED		30

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TELEPHONE (604) 988-1645

NAME Audrey Heagy

MONTHLY TIME RECORD FOR June 1980

DATE	WORK DONE	CHARGE
1	mapping Group 1 Crescent	Crescent
2	mapping Crescent 1	"
3	mapping Crescent 2	"
4	mapping Crescent 2	"
5	mapping " 2	"
6	Baseline on Claim 2	"
7	mapping Group 2	Crescent
8	mapping " 2	Crescent
9	mapping Group 1	Crescent
10	setup for fly camp mapping	"
11	mapping Grp 2	"
12	camp move to Wilson Bay	"
13	mapping Grp 1	"
14	" Case 6	"
15	" Case 6	"
16	mapping Case 1	"
17	" Case 1	"
18	" " " 1	"
19	" " " 1	"
20	" Crescent Grp 1	"
21	mapping Case 6	"
22	" Crescent Grp 1	"
23	" Crescent 1	"
24	" Crescent 1	"
25	re Case 1	"
26	camp move, mapping Case 1	"
27	mapping Case Grp 1	"
28	" " " 1	"
29	" " " 1	"
30	" " " 1	"
TOTAL DAYS WORKED		30

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TELEPHONE (604) 988-1545

MONTHLY TIME RECORD FOR JUNE 1980

NAME KURT STAUFFERT

DATE	WORK DONE	CHARGE
1	MAG. SURVEY CRESCENT 1	CRESCENT
2	MAG SURVEY "	"
3	MAG DATA CORRECTION & PLOTTING	"
4	"	"
5	"	"
6	"	"
7	"	"
8	SOIL SAMPLING SOUTH FROM (100W-400S)	"
9	SOIL SAMPLING SOUTH ALONG CLAIM LINE FROM 2S → 5S	"
10	"	"
11	"	"
12	MOVE TO BURNABY SOUTH + SET UP CAMP	B.C. GOLD
13	PROSPECTING + SOIL SAMPLING (BURNABY)	"
14	SOIL SAMPLING (BURNABY)	"
15	"	"
16	CLAIM STAKING 2POST-SWAN CLAIMS	"
17	SOIL SAMPLING (BY FRANCIS BAY)	"
18	PACK CAMP - FLY TO SANDSPIT WITH JOE	"
19	MOVE TO IRON POINT (SOUTH OF JEDWAY)	"
20	PROSPECTING AT IRON POINT	"
21	"	"
22	"	"
23	"	"
24	"	"
25	PROSPECTING AT IRON POINT (SAMUEL CREEK)	"
26	MOVE FROM CARPENTER BAY TO LYELL (TAR CLAIMS)	"
27	SOIL SAMPLING ALONG CLAIM LINE OF TAR	"
28	SOIL SAMPLING - 200m WEST OF CLAIM LINE	"
29	"	"
30	SOIL SAMPLING - 100m EAST OF CLAIM LINE	"
TOTAL DAYS WORKED		



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MONTHLY TIME RECORD FOR JUNE 1980

NAME SCOTT ANGUS

DATE	WORK DONE	CHARGE
1	PROSPECTING - TASU Sound	B.C. GOLD.
2	MOVE CAMP TO CRESCENT Inlet	"
3	PROSPECT - Crescent Inlet	"
4	"	"
5	"	"
6	"	"
7	STAKING - LOCKPORT claims	"
8	MOVE CAMP TO PACOFF BAY	"
9	PROSPECT - PACOFF BAY	"
10	"	"
11	PROSPECT - Crescent Inlet	"
12	MOVE CAMP TO Burnaby Isl. (SOUTH)	"
13	PROSPECT Burnaby Isl. (SOUTH)	"
14	"	"
15	"	"
16	STAKING SWAN claims	"
17	PROSPECT Burnaby Isl. (SOUTH)	"
18	PREPARE TO MOVE TO KOYA BAY (no plane)	"
19	MOVE TO KOYA BAY	"
20	PROSPECT KOYA BAY	"
21	"	"
22	"	"
23	"	"
24	PROSPECT - Kunghit Isl.	"
25	PROSPECT - KOYA BAY	"
26	MOVE CAMP TO LYELL ISL. (TAR claims)	"
27	PROSPECT - TAR claims	"
28	"	"
29	"	"
30	"	"
TOTAL DAYS WORKED		

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 V7P 1M9

TELEPHONE (604) 988-1645

NAME: Mike Hewson

MONTHLY TIME RECORD FOR

JUNE

1980

Crescent

1980

DATE	WORK DONE	CHARGE
1	<del>TRENCHING</del>	
2	TRAVEL	Crescent
3	TRENCHING	Crescent
4	TRENCHING	Crescent
5	TRENCHING	Crescent
6	TRENCHING	Crescent
7	TRENCHING	Crescent
8	TRENCHING	Crescent
9	TRENCHING	Crescent
10	SOIL SAMPLING	Crescent
11	TRENCHING	Crescent
12	TRENCHING	Crescent
13	TRENCHING	Crescent
14	TRENCHING	Crescent
15	TRENCHING	Crescent
16	TRENCHING	Crescent
17	TRENCHING	Crescent
18	TRENCHING	Crescent
19	TRENCHING	Crescent
20	TRENCHING	Crescent
21	TRENCHING	Crescent
22	TRENCHING	Crescent
23	TRENCHING	Crescent
24	TRENCHING	Crescent
25	TRENCHING	Crescent
26	TRAVEL	Crescent.
27	Holiday	—
28	Holiday	—
29	Camp Const - soils	Crescent
30	Trenching (boxing samples)	Crescent.
TOTAL DAYS WORKED		23

25 days  
 1000 →

2 }

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 NORTH VANCOUVER, B.C.  
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TELEPHONE (604) 988-1545

NAME Geordon Marchak

MONTHLY TIME RECORD FOR June 1980

DATE	WORK DONE	CHARGE
1	Skinner Point	B.C GOLD General
2	Crescent move	
3	"Lockport" area	
4	"	
5	"	
6	"	
7	Lockport claims	
8	Pacofi move	
9	Pacofi	
10	Pacofi	
11	Lockport	
12	to Van.	
13	-	
14	-	
15	-	
16	-	
17	-	
18	Sandspit to Swan bay	
19	Swan Bay to Koya	
20	Koya 1	
21	Koya 2	
22	Koya 3	
23	boat to Kungit	
24	Koya 4	
25	Crescent move	Crescent
26	Crescent CR grid	Crescent
27	CR grid	Crescent
28	CR grid	Crescent
29	CR grid	Crescent
30	Crescent.	Crescent
TOTAL DAYS WORKED		

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TELEPHONE (604) 988-1545

NAME Swartz

MONTHLY TIME RECORD FOR June 1980

DATE	WORK DONE	CHARGE
1	TRENCHING Crescent	Crescent 1
2	Trenching	Crescent 1
3	Trenching	Crescent
4	Trenching	Crescent.
5	Trenching	Crescent
6	Trenching	Crescent
7	Trenching	Crescent
8	Trenching	Crescent
9	Camp Duties	Crescent
10	Soil Sampling	Crescent
11	Trenching	Crescent
12	Trenching	Crescent
13	Trenching	Crescent
14	Trenching	Crescent
15	Trenching	Crescent
16	Trenching	Crescent
17	Trenching	Crescent
18	Trenching	Crescent
19	Trenching	Crescent
20	Trenching	Crescent
21	Trenching	Crescent
22	Trenching	Crescent.
23	Trenching	Crescent
24	Trenching	Crescent
25	Trenching	Crescent.
26	Crescent-Sandspit	Vancouver <input checked="" type="checkbox"/>
27		
28		
29		
30		
TOTAL DAYS WORKED		

A P P E N D I X II

PROGRESS REPORT - GEOLOGICAL MAPPING

Crescent Inlet Camp

Wilson Bay Camp

PROGRESS REPORT - CRESCENT INLET

Project: CRESCENT

Camp Name: Bravo

NTS Map Sheet: 103B/13W

Date: June 2 - June 11/80

Geologists: Audrey Heagy, Jean Pautler

Rock Specimens: 56728 - 56735

56901 - 56907

Introduction

Mapping at the scale of 1:5000 was conducted, during this period, on the CRESCENT 2 and 4 claims. Three person days were also spent on the detailed grid on CRESCENT 1.

A baseline was established on CRESCENT 2 in the south-east area. This line will be referred to as the east shore baseline and runs from 2.9S, 1.2E to 4.1S, 40E.

Geology

In the south-east corner of CRESCENT 2, Karmutson basalt and Karmutson dykes outcrop along the shoreline, (north of baseline), and continue to the south-east. Towards the baseline, the massive grey member of the Kunga Formation is dominant and commonly exhibits Karst topography. South of the baseline Yakoun chloritic andesite is common. Masset diabase dykes cut all the above. In the southernmost part of CRESCENT 2, Kunga limestone is evident. Mineralization and quartz veining was not found in this area. Cliff faces, faults, and joints commonly trend 020°.

Along the north shoreline of Crescent Inlet, Karmutson is exposed along the point. The basalt is of the vesicular and porphyritic varieties. Karmutson dykes are also evident. North of this point rocks of the Kunga Formation are common and generally vary from the massive grey to the black limestone, to the argillite member going up the hill. Rhyolite is predominant in the northern part of CRESCENT 4.

Work is still being conducted on the detailed grid. In this area the contact between the Yakoun andesite and Masset diabase is very difficult to establish.

PROGRESS REPORT - WILSON BAY

Project: CRESCENT

Camp Name: Bravo

NTS Map Sheet: 103B/13W

Date: June 12 - June 11/80

Geologists: Audrey Heagy, Jean Pautler

Soil Sample: A80 340

Rosk Samples: 56736 to 56746  
56908 to 56918

Introduction:

A fly camp was set up June 12, 1980 on Wilson Bay with approximate U.T.M. co-ordinates, 301 080 m E 5849000 m N, Map Sheet 103B/13W. Mapping was conducted on the claims CRESCENT 1,3,5, and 6, at the scale of 1:5000. Mapping at the scale of 1:2500 was carried out on the western part of the detailed grid.

The name Wilson Creek will be used for the major creek flowing into the southeast corner of Wilson Bay.

The only visitors in the two week period at Wilson Bay were two people from J.M.T. (including Colin Harivel) on June 14th. J.M.T. appeared to be staking to the south and possibly west of CRESCENT 5.

Two 2-post claims were found immediately to the north of camp. The information on the tags read as follows:



52046	52048
Initial Post (No. 1)	Initial Post
Marion # 101	Marion # 103
W. Quinn (locator)	W. Quin
Merrican Int. Mines	Merrican Int. Mines
May 16/64	May 16/64
final post was supposed to be 1500 ft. to the east. This post was on shore.	this post was also the final post for Marion 101

Although the Marion 101 claim was supposed to be 1500 feet, it was only 150 m long. The final post for the Marion 103 was not found.

Prospecting was conducted to the north of CRESCENT 6. Outcrop is very scarce in the area. however the rock type appeared to be chloritic andesite. Mineralization was not evident in the area.

### Geology

The hill to the south of Wilson Creek appears to consist almost entirely of Karmutsen basaltic flows and dykes. Both the dykes and flows are chloritic and often exhibit veins of epidote and calcite. Towards the top of Karmutsen hill, quartz veining becomes evident. A few outcrops of the plagioclase porphyry occur on the hill but are scattered and are not as crowded as these found on the north shore of Crescent Inlet. Significant mineralization was not evident.

Wilson Creek and the area towards gabbro hill, consists of andesitic tuff of the Yakoun Formation and often contains blocks and inclusions of the Kunga argillite. The limestone member of this Formation is also present. Rhyolite dykes cut both of the lithologies.

That part of Wilson Creek which lies in the eastern corner of CRESCENT 5 and west part of CRESCENT 1, consists of melano to leucocratic gabbro and diabase. There are some occurrences of the feldspar porphyry.

From Wilson Creek towards CRESCENT 6, the andesitic tuff is observed as well as andesitic lapill tuff and agglomerate. Both rhyolite and diabase dykes are common. Argillite and limestone of the Kunga Formation are generally exposed in stream beds.

The top of this hill predominantly consists of coarse leucocratic gabbro with occurrences of rhyolite and some diabase dykes. The margins are Yakoun andesite to agglomerate. To the north of the hill, in CRESCENT 6, rhyolite and banded rhyolite are common. Kunga argillite is exposed in a few streambeds. Outcrop in this area is generally poor.

In the west part of CRESCENT 3, banded rhyolite is extensive and andesite also occurs. This claim block extends 400m too far to the north. However, within the extra area, rusty outcrops of both rhyolite and andesite lapilli tuff are common in the major stream in this area.

A P P E N D I X III

A PRELIMINARY EVALUATION OF  
GOLD IN RESIDUAL SOILS

by

S.A. Averill



OVERBURDEN DRILLING MANAGEMENT LIMITED

29 VANSON AVENUE, OTTAWA, ONTARIO K2E 6A9 - (613) 822-0202

June 12, 1980

Mr. J. Shearer  
J.C. Stephen Explorations Ltd.  
P.O. Box 296  
Sandspit, B.C.  
V0T 1T0

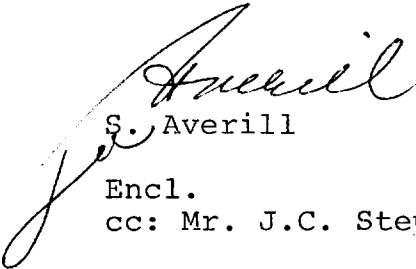
Dear Mr. Shearer:

Re: Consulting services  
Queen Charlotte soil samples

Attached find our preliminary report including a proposal for further evaluation of the most anomalous samples.

Should you require any additional information, please do not hesitate to contact the undersigned at 613-822-0202.

Yours sincerely,



S. Averill

Encl.  
cc: Mr. J.C. Stephen

SA/km

J.C. STEPHEN EXPLORATIONS LIMITED  
QUEEN CHARLOTTE ISLANDS, BRITISH COLUMBIA

A PRELIMINARY EVALUATION  
OF GOLD IN RESIDUAL SOILS

BY  
S.A. AVERILL  
OVERBURDEN DRILLING MANAGEMENT LIMITED  
JUNE 10, 1980

## Introduction

J.C. Stephen Explorations submitted to Overburden Drilling Management eight overburden samples from an area of the Queen Charlotte Islands known to be anomalous in gold. Overburden Drilling Management prepared heavy mineral (S.G. > 3.3) and mid-density ( S.G. 2.8 - 3.3) concentrates from these samples to assist in isolating the contributing gold mineralization. Our concentrating procedures are summarized in Figure 1, and the weights of the various sample fractions are shown in Table 1. The approximate mineralogical compositions of the two types of concentrates are shown in Tables 2 and 3. A more detailed examination of the anomalous samples will be made on receipt of the analytical data.

## Nature of the Overburden

The samples are of non-glacial residual soils and were collected near the soil/bedrock interface at sites where the soil depth ranged from 0.5 to 3 meters.

Samples 01 to 03 were collected from relatively thick soil sections in a topographically low area, and Samples 05 (04) - X to 08 were obtained from thinner, sub-alpine soils on a high gabbro/diabase ridge. The soils are stony clays and sands. All of the clasts are leached, and in several samples the leaching is so severe that lithologies could not be determined (Table 4).

### Mineralogy of the Concentrates

The heavy mineral suites of the residual soils are much simpler than those of glacial soils and appear to directly reflect the mineralogy of the underlying bedrock. Concentrates from the low-elevation soils consist primarily of olivine derived from an undetermined rock unit. Part of the olivine has been limonitized. Concentrates from the sub-alpine soils are enriched in a pale pink, grey or green, striated, crystal-forming mineral that has been tentatively identified as zoisite (epidote family). Minor minerals include ilmenite, which occurs as octahedral crystals, and pyrite which occurs as cubes that have been completely converted to secondary oxides.

The mid-density concentrates are mineralogically similar to the heavy mineral concentrates, consisting either of olivine (at low elevations) or of zoisite (at high elevations). Both of these minerals are of essentially the same specific gravity as the methylene iodide that was used to sink the heavy minerals and float the mid-density minerals. The mid-density concentrates contain the altered olivine and zoisite grains that have been partially converted to lighter clay minerals.

Common rock-forming mid-density minerals such as hornblende and carbonates are generally absent, reflecting their instability under the chemical weathering conditions that generated the residual soils. However, the altered zoisite does

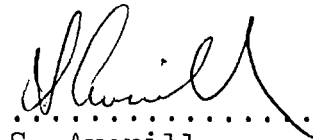


react very slightly to dilute HCl, suggesting that the parent rock (assumed to be gabbro) has been carbonatized. Most of the samples contain low concentrations of blue-grey, blue-green, or blue-white amphibole, including some asbestiform tremolite.

Gold Content

*Near 500N + 00*

Considerable free ~~gold~~ was noted on the shaking table while processing Sample 04, and one grain of gold was logged in the heavy mineral concentrate of Sample 08. On receipt of the analyses, other anomalous samples will be examined to determine whether free gold is present. It is expected that anomaly magnitude will be greatly influenced by concentrate size. For example, clayey samples such as 03 and 08 produced sensitive, undersized concentrates while the zoisite-rich concentrates from Samples 05 to 07 are oversized and are much less sensitive. For comparative purposes, therefore, the number of grains of gold per kilogram of sand/silt feed will be measured.

  
.....  
S. Averill

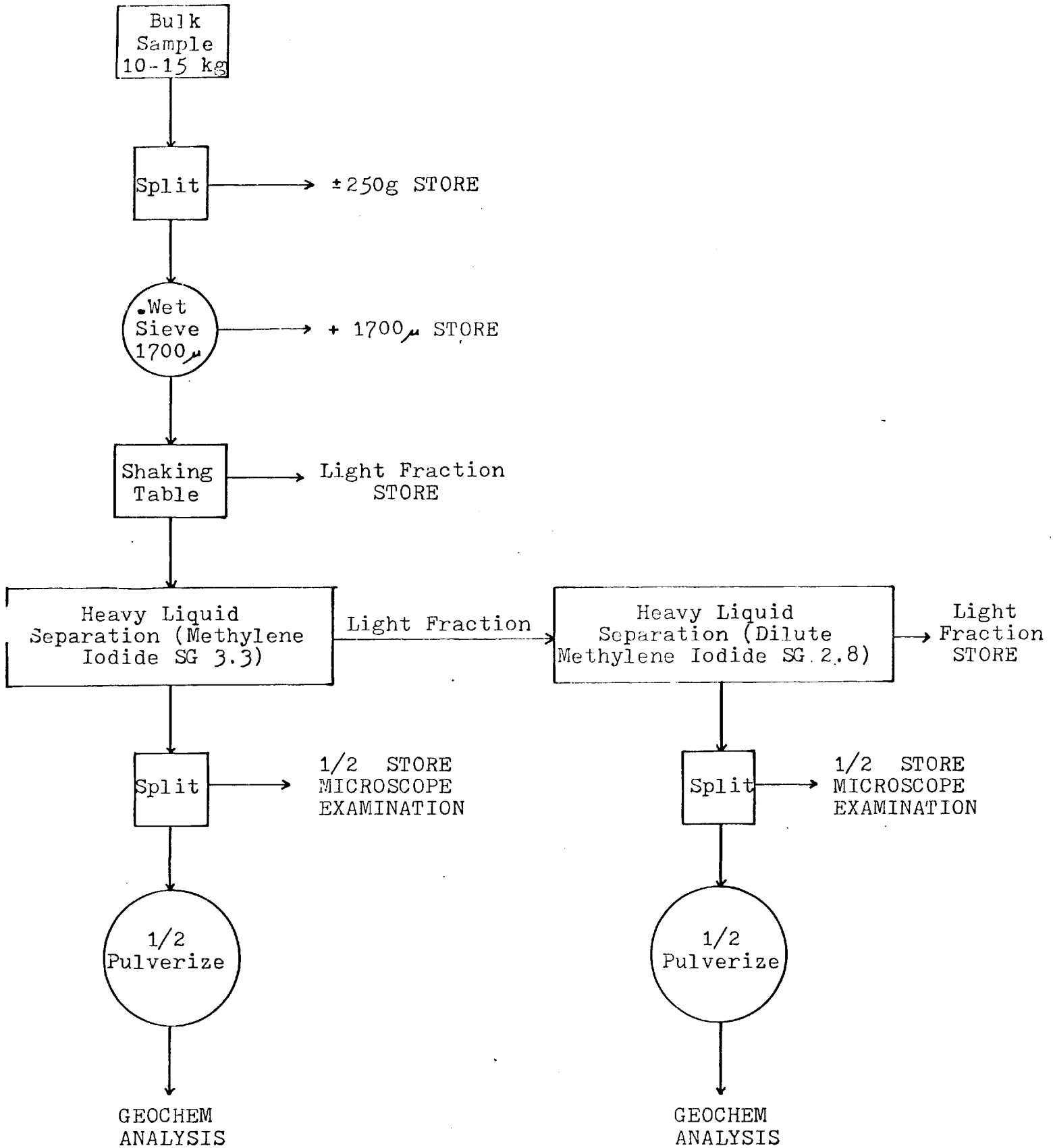


Fig. 1 - Sample processing flow sheet.

<u>Sample No.</u>	<u>Weight (kg.)</u>		<u>Weight (g.)</u>			<u>Remarks</u>
	<u>Whole Sample</u>	<u>+10 Mesh</u>	<u>Table Conc.</u>	<u>H.M. Conc.</u>	<u>M.D. Conc.</u>	
01	16.0	10.0	72.5	9.8	8.1	
02	15.4	9.0	70.25	9.3	7.5	
03	13.4	6.0	63.74	1.4	2.3	
04	13.0	5.9	156.4	13.3	7.2	5+ grains V.G.
05	9.9	3.4	126.8	47.1	7.9	
06	10.8	3.7	131.2	105.6	9.3	
07	12.9	7.2	142.2	73.7	36.0	Possible V.G.
08	4.1	2.0	73.6	0.6	1.0	Mainly clay, very little sand feed

Table 1 - Sample Weights

Sample No.	% garnet	% hematite	% sulphides	% ilmenite	% epidote	% pyroxene	% zircon group	Remarks
SBC-80-01-1/2H			<1	1				98% olivine (1/3 limonitized) Sulphide is oxidized cubic pyrite
-02-1/2H		tr.	<1	3				95% olivine (1/3 limonitized)
-03-1/2H		tr.	1-2	3				95% olivine (1/3 limonitized)
-04-1/2H		tr.	0	5-8	90	<5		Epidote is mainly pale pink to grey zoisite, occurs as equant grains, sugary masses, and striated crystals; locally apple green. Unoxidized
-05-1/2H			0	5	90	<10		" " "
-06-1/2H				0.5	99			" " "
-07-1/2H				2-3	98			" " "
-08-1/2H		0.5	0.5	5-8	90			" " "
								with one grain gold 60μ

Table 2 - Mineralogy of heavy mineral concentrates.

<u>Sample No.</u>	<u>Mineralogy</u>
01 - 1/2 MD	>95% altered olivine
02 - 1/2 MD	80-90% altered olivine 10% hornblende
03 - 1/2 MD	95% altered olivine 3% tremolite
04 - 1/2 MD	90-95% altered zoisite 3-5% brown serpentine 1-2% tremolite
05 - 1/2 MD	90-95% altered zoisite 5% tremolite
06 - 1/2 MD	80% altered zoisite 10% blue-green amphibole 10% quartz (poor separation)
07 - 1/2 MD	70% altered zoisite 30% altered grey-blue amphibole
08 - 1/2 MD	80% altered zoisite 20% tremolite 1-2% mica books

Table 3 - Mineralogy of mid-density concentrates

<u>Sample No.</u>	<u>Principal Clast Lithologies</u>
01	Quartz-free rock, completely leached, unidentified.
02	Quartz-free rock, completely leached, unidentified.
03	Quartz-feldspar porphyry and dark, fine-grained argillite or tuff. Relatively fresh.
04	Quartz-free volcanic, gabbro.
05	Quartz-free volcanic, gabbro.
06	Quartz-free volcanic.
07	Hornblende gabbro.
08	Quartz-free volcanic.

Table 4 - Clast lithologies



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 984-0221  
 AREA CODE: 604  
 TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: J.C. Stephen Explorations Ltd.  
 1124 W. 15th St.  
 North Vancouver, B.C.  
 V7J 1M9

ATTN: CC: J. Shearer & S.A. Averill

CERTIFICATE NO. 53480  
 INVOICE NO. 37168  
 RECEIVED June 12/80  
 ANALYSED July 21/80

SAMPLE NO.	PPM	PPB	PPM	(All by NA)
	As	Au	Sb	
Blank		<1		
SBC-80-01 1/2 H	5030	6	165	
Blank		<1		
SBC-80-02 1/2 H	430	632	50	
Blank		1		
SBC-80-03 1/2 H	NSS	NSS	NSS	
Blank		<1		
SBC-80-04 1/2 H	60	36300	12	
Blank		10		
SBC-80-05 1/2H	35	3425	6	
Blank		<1		
SBC-80-06 1/2 H	16	5660	6	
SBC-80-07 1/2 H	30	9300	6	
SBC-80-08 1/2 H	NSS	NSS	NSS	
Blank		<1		
SBC-80-01 1/2 MD	5060	770	65	
Blank		<1		
SBC-80-02 1/2 MD	140	13	13	
Blank		<1		
SBC-80-03 1/2 MD	NSS	81	NSS	
Blank		<1		
SBC-80-04 1/2 MD	100	1920	22	
Blank		<1		
SBC-80-05 1/2 MD	70	540	6	
Blank		<1		
SBC-80-06 1/2 MD	16	260	3	
Blank		<1		
SBC-80-07 1/2 MD	55	560	6	
Blank		<1		
SBC-80-08 1/2 MD	NSS	NSS	NSS	

*↑ contained  
Free gold.*

NOTE: NSS Denotes Non-Sufficient Sample.



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart Biddle*

A P P E N D I X IV

SOUTH BURNABY CAMP

S. Angus

K. Stauffert

June 12 - June 18, 1980



SOUTH BURNABY ISLAND

Camp Name: Alpha

Location: Poole Inlet, Swan Bay

NTS Map Sheet: 103B/6W

Date: June 12 - June 18/80

by S. Angus, K.H. Stauffert

Rock Geochem Numbers - 84801 - 84807  
56251

Soil Geochem Numbers A-80-1019 to A-80-1054  
A-80-501 to A-80-561

Silt Geochem Numbers U-80-69 to U-80-70

Introduction:

Our campsite was located on the west side of Poole Inlet. It was just south of the creek flowing down from the large lake. The Campsite was good except for the fact that fresh water from the creek could only be reached by foot when the tide was low. The campsite is fairly open to the south sea, but we encountered no winds or rough water during our stay. The beach is very suitable for work with the Zodiac. All other beaches in the area were fair to good for Zodiac work.

The weather was very good during our stay with not one day of rain.

## Prospecting & Geology

The area on the west side of Poole Inlet was prospected. The small area of Yakoun that Brown has mapped along the beach appears to extend quite a bit further to the west. The Kunga was not seen between this and Karmutsen. The only Kunga seen in this area was that in the lower portion of the creek. Only very little pyrite was noted in the Karmutsen. There was some mineralization seen in a porphritic looking rock, this was sampled. There was not much exposed outcrop in this area and the soil sampling was good.

In the area on the east side of Poole Inlet a large area of rusty weathered light blue-grey rhyolitic looking rocks were seen. These were mineralized with pyrite and samples were taken. The area to the west of Swan Bay that Brown has mapped as the Kunga, consisted of basically a finely laminated (< 1cm) and graduating to thicker (>3 cm) argillitic looking rock. This is cut through approximately half way up the hill by an outcrop of silicified, brecciated limestone. We also found silicified limestone float around this area. We took several samples of this silicification.

We staked 6 claims using the two post method to cover this silicified zone. The claims were staked using the name J.M. Pautler and are called the SWAN claims 1 - 6. The tag numbers are 511436M to 511441M. We marked a station at every 50 m on the claim line and the silicified outcrop is approximately 50 m north-west of the 700 Mark. The line is 1350 m long.

On the north side of the large hill the rock was mainly the black and massive grey limestone, this extends a lot further down towards Francis Bay than Brown has mapped. The only mineralization seen

here was a piece of float that appeared to be an altered limestone  
It contained massive pods of chalcopyrite and malachite. This sample  
was run for Au, As, Ag, Cu.

Soil lines were run with samples at N100 m spacings through  
all the low lying areas and some higher elevations. Soil samples were  
good in the area except for areas below 100 ft. where it was difficult  
to find any "B" horizon.

We got very good soil coverage of the area except for the  
area to the east of the silicified zone, where possibly more time could  
be spent. If any more work is to be done in this area a good campsite  
location would be at the mouth of the small creek flowing into the east  
side of Swan Bay.

A P P E N D I X V

KOYA BAY CAMP  
(Carpenter Bay)

S. Angus  
G. Marchak

June 20 - 25, 1980

CARPENTER BAY

Camp: Alpha

S. Angus, G. Marchak

Date: June 20 - June 25, 1980

N.T.S. - 103B/3E

Rock Geochem Numbers 84808 to 84809  
84725 to 84727

Soil Geochem Numbers A-80-1055 to 1088  
A-80-798 to 836

Silt Geochem Numbers U-80-71 to 74  
U-80-212 to 218

Introduction

Our campsite was located on the west side of the mouth of the main creek flowing into Koya Bay. It was a very good campsite with drinking water close by in the creek. The beach is not very well protected from the north which results in large swells and rough water. This could be a problem for a seaplane to land and take off. The beach was fairly good for Zodiac work. All other areas worked had very poor beaches for work with the Zodiac, as they all consisted of large boulders.

The areas prospected were the two large fulleys to the east of camp and the large fulley behind camp. Also the area to the west of camp, the creek flowing into South Cove.

The bush in most places was very poor as it consisted of thick salal. The weather was good during our stay with only one day of rain.

### Prospecting and Geology

The rock in the lower elevations was the flaggy black argillite member of the Kunga. There was only little pyrite seen in this.

The rock in the areas at the top of the creeks and at higher elevations was a granitic looking plutonic rock. There was very little mineralization seen in this. In the gulley behind camp, up near the top of the creek, there was a large area of a rusty weathered light blueish-grey rock believed to be an altered intrusive. This was sulphide rich and samples were taken.

Soil sampling in most of the areas was poor, especially at the higher elevations where there was no "B" horizon to be seen.

We don't feel there should be any more work done in this area unless geochem samples prove to be positive.

A P P E N D I X VI

Requisition for Analytical Work

June 1980

J.C. Steven

**J.C. STEPHEN EXPLORATIONS LTD.**

1124 West 15th Street.  
North Vancouver, B.C. V7P 1M9  
Bus: 988-1545

**REQUISITION FOR ANALYTICAL WORK**

ANALYST:

**CHEMEX LABS LTD.**

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221

*4 boxes*

A total of 151 samples as described below is shipped by PWA (via TPA) on June 12/80  
(Carrier, Mail, etc.) (Date)

for analytical work. The samples are submitted by J. Shearer and charge to: BC GOLD  
(Name)

Send copies of analytical reports to: SYNDICATE (Crescent)  
(Name, Project)

(a) J. SHEARER at PO BOX 296, SANDSPIT BC VOT 1T0  
(Name) (Address)

(b) J. C. STEPHEN at 1124 W 15 ST. NORTH VANCOUVER V7P 1M9  
(Name) (Address)

(c) \_\_\_\_\_ at \_\_\_\_\_  
(Name) (Address)

ANALYTICAL INSTRUCTION :			ANALYZE FOR							METHOD		
Marking	No. of Samples	Type	Au	As	Sb	Hg	Cu	Ag			Assay (%)	Geochem (ppm)
A-80-695 to 700	6	soil	✓	✓								✓
A-80-1001 to 1005	5	soil	✓	✓								✓
56671	1	rock	✓	✓			✓	✓				✓
56672 to 56673	2	rock	✓	✓								✓
A-80-773 to 786	14	soil	✓	✓								✓
84717 to 84721	5	rock	✓	✓								✓
56903 to 56906	4	rock	✓	✓								✓
56731 to 56733	3	rock	✓	✓								✓
56907	1	rock	✓	✓								✓
56734 to 56735	2	rock	✓	✓								✓
A-80-1006 to 1018	(13)	soil	✓	✓								✓
56674 & 56675	(2)	Rock	✓	✓								✓
100W+00S + 100W+790S	25	soil	✓	✓								✓
CL 2S to 5S	34	soil	✓	✓								✓
DP 5S-00E to 550E	11	soil	✓	✓								✓
100E+050S - 100E+350S	7	soil	✓	✓								✓
00+050S - 00+400S	8	soil	✓	✓								✓

*100W+050S - 100W+400S*  
SPECIAL INSTRUCTIONS: 8

*send 400 small plastic bags*



J.C. Steven

**J.C. STEPHEN  
EXPLORATIONS LTD.**

1124 West 15th Street  
North Vancouver, B.C. V7P 1M9  
Bus: 988-1545

**REQUISITION FOR ANALYTICAL WORK**

ANALYST:

**CHEMEX LABS LTD.**

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221

A total of \_\_\_\_\_ samples as described below is shipped by PWA via TPA on June 26/80  
(Carrier, Mail, etc.) (Date)

for analytical work. The samples are submitted by J. Shearer and charge to: BC GOLD  
(Name)

Send copies of analytical reports to: SYNDICATE (CRESCENT)  
(Name, Project)

(a) J. SHEARER at PO BOX 296, SANDSPIT BC VOT ITO  
(Name) (Address)

(b) J. C. STEPHEN at 1124 W 15 ST. NORTH VANCOUVER V7P 1M9  
(Name) (Address)

(c) \_\_\_\_\_ at \_\_\_\_\_  
(Name) (Address)

ANALYTICAL INSTRUCTION :			ANALYZE FOR							METHOD		
Marking	No. of Samples	Type	Au	As	Sb	Hg	Pb	Zn			Assay (%)	Geochem (ppm)
56736 - 56745	10	rock	✓	✓								✓
56746	1	rock	✓	✓			✓	✓				✓
56908 - 56918	11	rock	✓	✓								✓
A-80-340	1	soil	✓	✓								✓

SPECIAL INSTRUCTIONS :

J.C.S.  
COPY

Copy 3

**J.C.S. STEPHEN EXPLORATIONS LTD.**

1124 West 15th Street  
North Vancouver, B.C. V7P 1M9  
Bus: 988-1545

**REQUISITION FOR ANALYTICAL WORK**

ANALYST: **CHEMEX LABS LTD.**

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 884-0221

3 Boxes

A total of 16 samples as described below is shipped by \_\_\_\_\_ on June 26, 1980  
(Carrier, Mail, etc.) (Date)

for analytical work. The samples are submitted by Joe Shearer and charge to: BC GOLD  
(Name)

Send copies of analytical reports to: SYNDICATE (Crescent)  
(Name, Project)

- (a) J. SHEARER at PO BOX 296, SANDSPIT BC VOT ITO  
(Name) (Address)
- (b) J. C. STEPHEN at 1124 W 15 ST. NORTH VANCOUVER V7P 1M9  
(Name) (Address)
- (c) \_\_\_\_\_ at \_\_\_\_\_  
(Name) (Address)

ANALYTICAL INSTRUCTION :			ANALYZE FOR							METHOD	
Marking	No. of Samples	Type	Au	As	Sb	Hg				Assay (%)	Geochem (ppm)
84551 to 84564	13	Rock	✓	✓							✓
84577 to 84579	3	Rock	✓	✓							✓

SPECIAL INSTRUCTIONS :

J. C. STEPHEN COPY

**STEPHEN EXPLORATIONS LTD.**

1124 West 15th Street.  
North Vancouver, B.C. V7P 1M9  
Bus: 988-1545

**REQUISITION FOR ANALYTICAL WORK**

ANALYST:

**CHEMEX LABS LTD.**

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221

A total of \_\_\_\_\_ samples as described below is shipped by PWA via TPA on JULY 1 1980  
(Carrier, Mail, etc.) (Date)

for analytical work. The samples are submitted by J. SHEARER and charge to: BC GOLD  
(Name)

Send copies of analytical reports to: SYNDICATE (B.C. GOLD)  
(Name, Project)

(a) J. SHEARER at PO BOX 296, SANDSPIT BC VOT ITO  
(Name) (Address)

(b) J. C. STEPHEN at 1124 W 15 ST. NORTH VANCOUVER V7P 1M9  
(Name) (Address)

(c) \_\_\_\_\_ at \_\_\_\_\_  
(Name) (Address)

ANALYTICAL INSTRUCTION:			ANALYZE FOR							METHOD	
Marking	No. of Samples	Type	Au	As	Sb	Hg				Assay (%)	Geochem (ppm)
56252-56261	10	ROCK	x	x							X
A-80-562-587	26	SOIL	X	X							X
U-80-401-406	6	SILT	X	X							X
	42										

SPECIAL INSTRUCTIONS:

JCS copy

JCS. STEPHEN EXPLORATIONS LTD.

1124 West 15th Street.  
North Vancouver, B.C. V7P 1M9  
Bus: 988-1545

REQUISITION FOR ANALYTICAL WORK

ANALYST:

CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 984-0221

BOXES

A total of 130 samples as described below is shipped by PWA via TAA on JULY 1 1980  
(Carrier, Mail, etc.) (Date)

for analytical work. The samples are submitted by J. Shearer and charge to: BC GOLD  
(Name)

Send copies of analytical reports to: SYNDICATE (CRESCENT)  
(Name, Project)

(a) J. SHEARER at PO BOX 296, SANDSPIT BC VOT ITO  
(Name) (Address)

(b) J. C. STEPHEN at 1124 W 15 ST. NORTH VANCOUVER V7P 1M9  
(Name) (Address)

(c) \_\_\_\_\_ at \_\_\_\_\_  
(Name) (Address)

ANALYTICAL INSTRUCTION:			ANALYZE FOR							METHOD	
Marking	No. of Samples	Type	Au	As	Sb	Hg				Assay (%)	Geochem (ppm)
84 565-84576	12	Rock	X	X							X
84 580-84594	15	Rock	X	X							X
56 376 + 56 377	2	Rock	X	X							X
56 380 + 56 390	11	Rock	X	X							X
100S to 800W + 800E	30	SOIL	X	X							X
200S to 800W + 800E	30	SOIL	X	X							X
300S to 800W + 800F	30	SOIL	X	X							X
	130										

SPECIAL INSTRUCTIONS: PLEASE RUN the Rocks FIRST and AS QUICKLY as possible

APPENDIX VII

STATEMENT OF WORK

CRESCENT ONE + TWO

ALDER ONE, TWO, + THREE.

FILED JUNE 27 1980





<b>C. DRILLING</b> (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)		COST
<b>D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL</b> (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)		
Geological MAPPING 1:5,000, 1:5,000, 1:1,000		
110 soils and 78 rocks for Au & As		10,503.93
Airborne Magnetometer		
REPORT TO FOLLOW in 6 weeks	TOTAL OF C AND D	10,503.93

Who was the operator (provided the financing)?

Name: J.C. STEPHEN EXPLORATIONS Ltd.

Address: 1124 W 15th St.  
North Vancouver, B.C. V7P 1M9

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
Name of Owner		
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. ....	
	2. ....	
	3. ....	
	4. ....	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		

I wish to apply \$ 22,000 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

2 years on Abalone 1-4 and Abalone Fr. ....

3 years on ALLE GOLD 1 (1) ....

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

		Name	AMOUNT
In owner(s) name.	1.	B.C. GOLD SYNDICATE	
	2.	(% J.C. STEPHEN EXPLORATIONS)	1303.43
	3.		
In operator(s) name (party providing the financing).	1.		
	2.		
	3.		

  
 (Signature of Applicant)



JUN 27 1980

GOLD COMMISSIONER
PRINCE RUPERT

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, J. T. SHEARER (Name) RR#1 MASON AVE., (Address) PERT COLQUITLAM, B.C. V3C 3V4
Agent for J. C. STEPHEN (Name) 1124 W 15 ST (Address) NORTH VANCOUVER, B.C. V7P 1M9
Valid subsisting F.M.C. No. 177209 Valid subsisting F.M.C. No. 177207

STATE THAT

1. I have done, or caused to be done, work on the ALDERGOLD 2 (7) units and ALDERGOLD 3 (7) units Claim(s)
Record No.(s) 1610, 1611
Situate at 52° 27' 13" 131° 19' in the SKEENA Mining Division,
to the value of at least 4228.03 dollars. Work was done from the 5 day
of April 1980, to the 25 day of APRIL 1980

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

Table with 2 columns: Description, COST. Includes a row for TOTAL PHYSICAL.

I wish to apply \$ of physical work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

B. PROSPECTING (Details in report submitted as per section 9 of regulations.) (The itemized cost statement must be part of the report.)

Table with 1 column: COST

I wish to apply \$ of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)



<b>C. DRILLING</b> (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	<b>COST</b>
<b>D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL</b> (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
geological mapping, 1:5,000, 1:500, 42 soils and 21 rock for Act 19	
Airborne Magnetometer	4828.03
REPORT TO FOLLOW IN BLOCKS	TOTAL OF C AND D

Who was the operator (provided the financing)?

Name: J. C. STEPHEN EXPLORATIONS LTD  
Address: 1124 W 15th St  
NORTH VANCOUVER, B.C. V7P 1M9

<b>Portable Assessment Credits (PAC) Withdrawal Request</b>		<b>AMOUNT</b>
Amount to be withdrawn from owner(s) account(s):		
	Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. ....	
	2. ....	
	3. ....	
	4. ....	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		

I wish to apply \$ 3800 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

1 year on ALDERGLD 2	(7)	18 units	15.00
1 year on ALDERGLD 3	(7)	20 units	20.00
			35.00

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

	Name	AMOUNT
In owner(s) name.	1. B.C. GOLD SYNDICATE	
	2. (c/o J.C. Stephen Explorations Ltd)	1028.03
In operator(s) name (party providing the financing).	1. ....	
	2. ....	
	3. ....	

*J Shearer*  
(Signature of Applicant)



1973-850179

JUN 27 1990

Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources  
 MINERAL RESOURCES BRANCH-TITLES DIVISION

GOLD COMMISSIONER  
 PRINCE RUPERT

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, J. T. SHEARER (Name) Agent for J. C. STEPHEN (Name)  
RR #1 MASON AVE. (Address) 1124 W 15th Street (Address)  
PORT COQUITLAM, B.C. (Address) NORTH VANCOUVER, B.C. (Address)  
V7C 3G4 (Address) V7C 1M9 (Address)  
 Valid subsisting F.M.C. No. 1.7.72.0.9 Valid subsisting F.M.C. No. 1.7.72.0.7

STATE THAT

1. I have done, or caused to be done, work on the ALDER ONE (7), RAMBLER  
PHOENIX (7) Claim(s)  
 Record No.(s) 1608, 1612  
 Situate at 52° 27' 131° 19' in the SKEENA Mining Division,  
 to the value of at least 7.326<sup>38</sup> dollars. Work was done from the 5 day  
 of APRIL 19 80, to the 25 day of APRIL 19 80

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
TOTAL PHYSICAL	

I wish to apply \$ \_\_\_\_\_ of physical work to the claims listed below.  
 (State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)  
 (The itemized cost statement must be part of the report.)

COST

I wish to apply \$ \_\_\_\_\_ of this prospecting work to the claims listed below.  
 (State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

<b>C. DRILLING</b> (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST
<b>D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL</b> (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
geological mapping 1:5,000, 1:1,000	
54 soils and 40 rocks for AA, AS	7,326.38
Airborne magnetometer	
REPORT TO FOLLOW IN 6 weeks	TOTAL OF C AND D 7,326.38

Who was the operator (provided the financing)? Name J.C. STEPHEN EXPLORATIONS Ltd.  
 Address 1124 W 15th St  
NORTH VANCOUVER, B.C. V7P 1M9.

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
	Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. B.C. GOLD SYNDICATE (c/o J.C. STEPHEN EXPLORATIONS)	6,730.62
	2.	
	3.	
	4.	
TOTAL WITHDRAWAL		6,730.62
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		8,000.00

I wish to apply \$ 8,000. of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

2 years on ALDER ONE (1) 24 units 9,193

2 years on RAMBLER PHOENIX (1) 24 units 9,000  
2,000

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name	AMOUNT
In owner(s) name.	
1.	
2.	
3.	
In operator(s) name (party providing the financing).	
1.	
2.	
3.	

J Shearer  
 (Signature of Applicant)



MINERAL ACT

Statement of Exploration and Development

I, J. T. SHEARER (Name) Agent for J. C. STEPHEN (Name)  
RR#1 MASON AVE., (Address) 1127 W 15<sup>TH</sup> ST (Address)  
PORT COQUITLAM, B.C. (Address) NORTH VANCOUVER, B.C. V7A1M6 (Address)  
 Valid subsisting F.M.C. No. 177209 Valid subsisting F.M.C. No. 177207

STATE THAT

1. I have done, or caused to be done, work on the CRESCENT 1 and  
CRESCENT 5 (35 units) Mineral Claim(s)  
 Record No.(s) 1411, 1607  
 Situate at 52° 45' 13" N 131° 53' W in the SKEENA Mining Division,  
 to the value of at least 42,317.85 dollars. Work was done from the 29 day  
 of APRIL 1980, to the 4 day of JULY 1980

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
<u>100 square meters of hand trenching</u>	<u>5,192.84</u>
<u>REPORT TO FOLLOW IN 6 weeks</u>	<u>5,192.84</u>
TOTAL PHYSICAL	<u>5,192.84</u>

B. PROSPECTING (Details in report submitted as per section 9 of regulations.)  
 (The itemized cost statement must be part of the report.)

	COST
TOTAL PHYSICAL AND PROSPECTING	<u>5,192.84</u>

I wish to apply \$ 5,192.84 of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

CRESCENT ONE 1 3 yrs. SEE REVERSE  
CRESCENT 5 "

C. DRILLING (Details in report submitted as per section 8 of regulations.)  
(The itemized cost statement must be part of the report.)

COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL  
(Details in report submitted as per section 5, 6, or 7 of regulations.)  
(The itemized cost statement must be part of the report.)  
(State type of work in space below.)

DETAIL GEOLOGY 115,000, 112500  
MAGNETOMETER, Induced Polarization  
SOIL SAMPLING for Au + Ag

REPORT TO FOLLOW IN 6 weeks | TOTAL OF C AND D | 37 125<sup>00</sup>

Who paid for the above-described work? Name J. C. STEPHEN  
Address 1124 W 15th ST  
NORTH VANCOUVER

Portable Assessment Credits (PAC) Withdrawal Request

AMOUNT

Amount to be withdrawn from owner(s) account(s):

Name of Owner

(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

TOTAL WITHDRAWAL

TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL

37 125<sup>00</sup>

5,172-84 Phys + \$15,807.16 Geo =

I wish to apply \$ 21,000<sup>00</sup> of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

3 years on CRESCENT 1 (7) \$12,000 20 units  
3 years on CRESCENT 5 (7) 9,000 15 units

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name

AMOUNT

In owner(s) name.

1. B. C. GOLD SYNDICATE  
2. C/O J.C. STEPHEN EXPLORATIONS (21,317.85)  
3. (LD)

In operator(s) name (person paying for the work).

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

J Shearer  
(Signature of Applicant)





Province of  
British Columbia  
Ministry of Mines and  
Petroleum Resources

JUN 27 1980  
GOLD COMMISSIONER  
PRINCE RUPERT

MINERAL ACT

### Statement of Exploration and Development

I, J. T. SHEPPER (Name)  
RR#1 MASON AVE., (Address)  
PORT COQUITLAM, B.C.  
 Valid subsisting F.M.C. No. 177209

Agent for J. C. STEPHEN (Name)  
1124 W 15<sup>TH</sup> ST. (Address)  
NORTH VANCOUVER, B.C. V1P 1M9  
 Valid subsisting F.M.C. No. 177207

STATE THAT

1. I have done, or caused to be done, work on the CRESCENT 2, CRESCENT 3  
and CRESCENT 4 Mineral Claim(s)  
 Record No.(s) 1412, 1413, 1414  
 Situate at 52°45', 131°53' in the SKENA Mining Division,  
 to the value of at least 8403.12 dollars. Work was done from the 29 day  
 of APRIL 1980, to the 4 day of JULY 1980

2. The following work was done in the 12 months in which such work is required to be done:  
**(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)**

**A. PHYSICAL** (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
<b>TOTAL PHYSICAL</b>	

**B. PROSPECTING** (Details in report submitted as per section 9 of regulations.)  
 (The itemized cost statement must be part of the report.)

	COST
<b>TOTAL PHYSICAL AND PROSPECTING</b>	

I wish to apply \$\_\_\_\_\_ of this work to the claims listed below.  
 (State number of years to be applied to each claim and its month of record.)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

C. DRILLING (Details in report submitted as per section 8 of regulations.)  
 (The itemized cost statement must be part of the report.)

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL  
 (Details in report submitted as per section 5, 6, or 7 of regulations.)  
 (The itemized cost statement must be part of the report.)  
 (State type of work in space below.)

DETAIL GEOLOGY 1:5,000, 1:2500  
 SOIL and Rock Sampling for Au HRS

8403.12

REPORT TO FOLLOW IN 6 weeks

TOTAL OF C AND D

8403.12

Who paid for the above-described work? Name J. C. STEPHEN  
 Address 1124 W 15<sup>th</sup> ST.  
 NORTH VANCOUVER

Portable Assessment Credits (PAC) Withdrawal Request

AMOUNT

Amount to be withdrawn from owner(s) account(s):

Name of Owner

(May be no more than 30 per cent  
 of value of the approved work  
 submitted as assessment work in  
 C and (or) D.)

- 1.
- 2.
- 3.
- 4.

TOTAL WITHDRAWAL

TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL

I wish to apply \$ 3600 of this work to the claims listed below.

(State number of years to be applied to each claim and its month of record.)

one year on CRESCENT 2 (7) 2,000 20 units  
 one year on CRESCENT 3 (7) 800 8 "  
 one year on CRESCENT 4 (7) 800 8 "

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name

AMOUNT

In owner(s) name.

1. B.C. GOLD SYNDICATE
2. (1/2 J.C. STEPHEN EXPLORATIONS LTD)
- 3.

4,803.12

In operator(s) name  
 (person paying for  
 the work).

- 1.
- 2.
- 3.

J. C. Stephen  
 (Signature of Applicant)