

ASSESSMENT REPORT

GEOLOGICAL REPORT
ON THE
PERRY MASON GROUP
(36 UNITS)

(Submitted as assessment work
for the Perry 1, Perry 2,
Mason 1 and Mason 2 claims.)

OMINECA MINING DIVISION

by

MICHAEL A. STAMMERS

LOCATION: N.T.S. 94E/6E
57°17' North Latitude
127°10' West Longitude

OWNER/OPERATOR: SEREM LTD.

DATES FIELD WORK PERFORMED: August 21, 25, 30, 31;
September 1, 1983

DATE OF REPORT: OCTOBER 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,540

TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION	1
2. GEOLOGY	5
2.1 Property Summary	5
2.2 Black Pete Showing	6
3. MINERALIZATION AND ASSAYS	7
4. CONCLUSIONS	8
5. RECOMMENDATIONS FOR THE 'BLACK PETE ZONE' ..	8
6. CERTIFICATE OF QUALIFICATIONS	9
7. STATEMENT OF EXPENDITURES	10

APPENDIX - ASSAY RESULTS

LIST OF FIGURES

Figure 1. Perry Mason Group - Location Map	3
Figure 2. Perry Mason Group - Claims Map	4
Figure 3. Perry Mason Group - Black Pete Zone, Summary Geology, Assays, and Trench Location Map.	In Pocket

1. INTRODUCTION

The Perry Mason Group is located 277 kilometres north of Smithers, B.C. between latitude $57^{\circ}16'$ and $57^{\circ}17'$ north and between longitude $127^{\circ}08'$ and $127^{\circ}12'$ west in the Pau Creek area, Toodoggone River map sheet area (N.T.S. 94E/6E), Omineca Mining Division (Figure 1).

The Group, made up of 4 claims totalling 36 units, is owned and operated by Serem Ltd. and includes the Perry 1 and 2 and the Mason 1 and 2 claims. Record numbers are 2385-2388 for the respective claims listed above. The Law #2, Attorney 2, Piscean Dave, Far Side Fr., Dean's Fraction, Dream Fraction, and the Chappelle 2-post claims lie to the north of the Perry Mason Group (Figure 2).

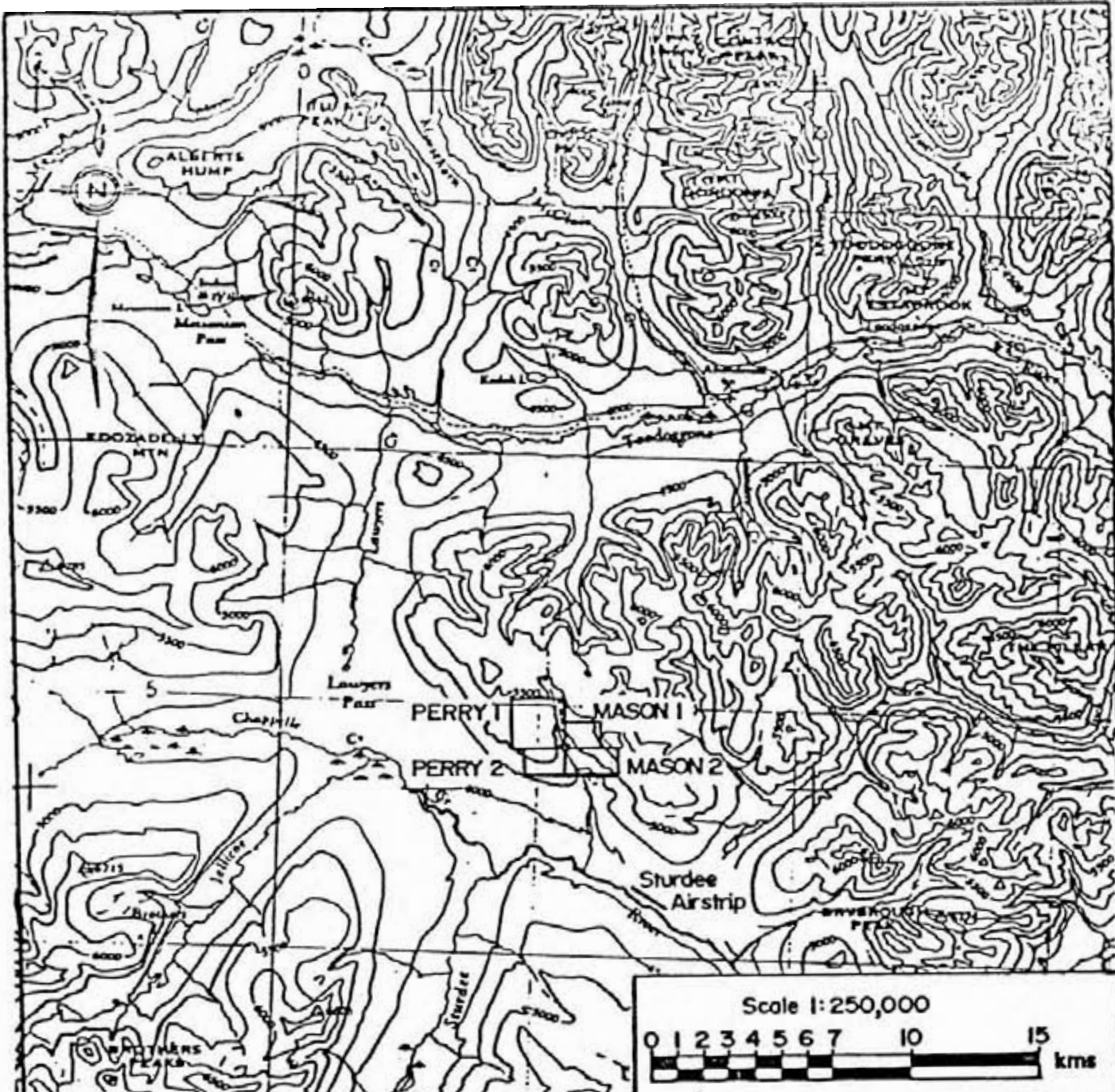
Access to the property is by wheeled aircraft from Smithers to Sturdee Airstrip (270 km) and then by helicopter to the property (3 km). Operations during the 1983 field season were carried out from the Lawyers base camp located 7.7 km north of the property.

Relief on the property is gentle to moderate with elevations ranging from 1480 to 1880 metres above sea level. Tree line lies at 1560 m A.S.L. and outcrop is generally sparse (< 5%). Moose, caribou, wolf, fox, marmot, wolverine, black bear and rare grizzly bear have been spotted by crews working in the Pau Creek area.

Previous work carried out by Serem Ltd. on the property during the 1980, 1981 and 1982 field seasons included: grid soil sampling, stream silt sampling, preliminary geological mapping, prospecting, proton magnetometer surveys and a single hand trench.

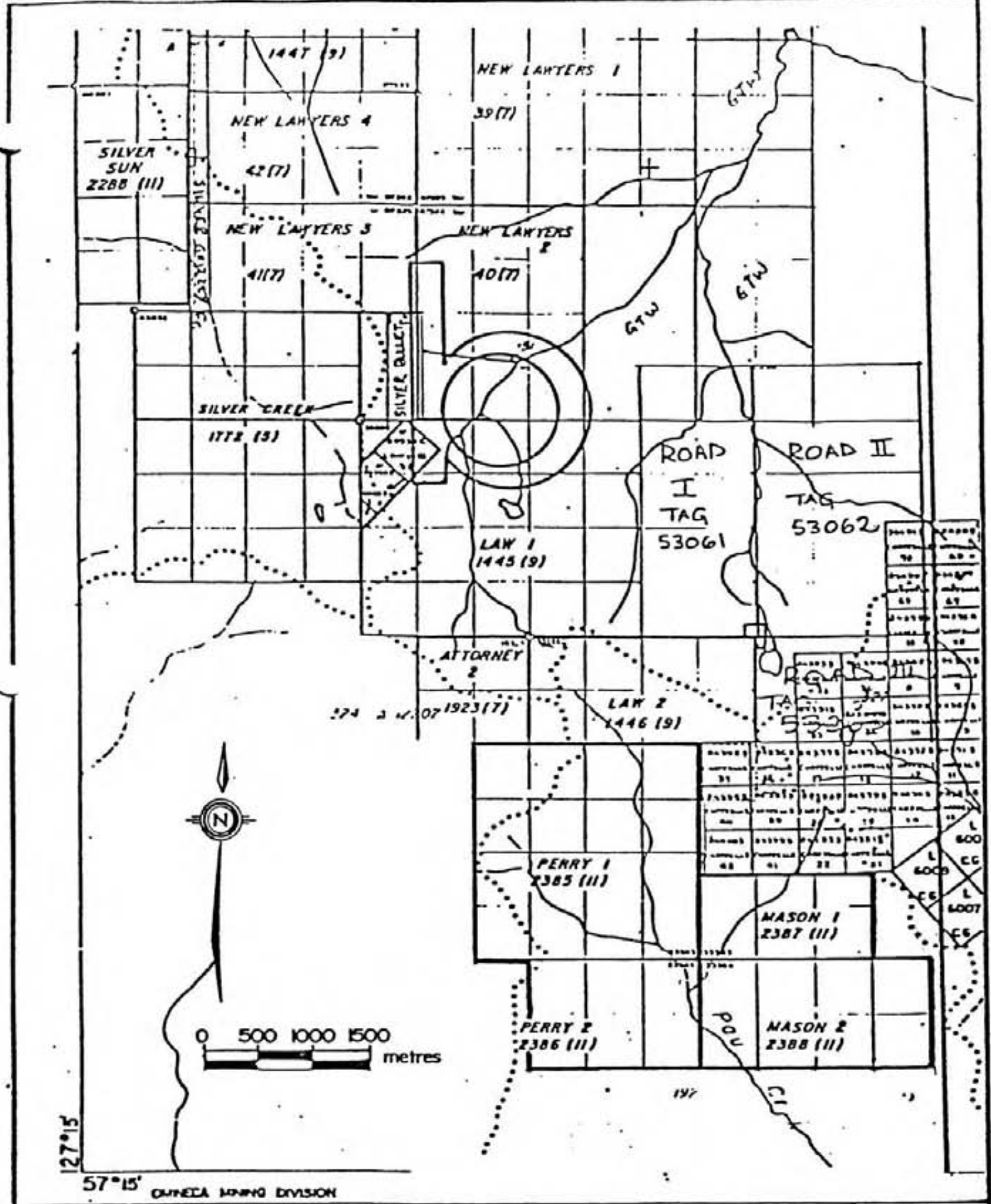
Work during the 1983 field season was carried out on the 'Black Pete Zone' showing on the Mason 1 claim. The purpose of the work was to provide an evaluation of this quartz-vein hosted precious metal occurrence discovered by prospector Peter Newman during the 1982 field season.

To complete this evaluation, 5 hand trenches were cut to bedrock, systematically chip channel sampled and the entire 2 hectare area mapped geologically at 1:500 scale. A total of 53 one-metre interval samples were collected and sent to Min-En Laboratories in North Vancouver for gold-silver analysis. Approximately 500 line metres of chain and picket grid were established. A preliminary altimeter survey was completed over the entire grid area so as to attain topographic control.



LOCATION OF PERRY 1, PERRY 2, MASON 1, AND MASON 2 CLAIMS

FIGURE:
1



CLAIMS MAP: PERRY 1, PERRY 2, MASON 1, AND MASON 2 CLAIMS.

FIGURE:
2

2. GEOLOGY

2.1 Property Summary

The Perry Mason group of claims is underlain by a package of Permian to Jurassic-aged volcanic, sedimentary, intrusive and minor metamorphic (skarn) rocks.

The oldest unit found outcropping on the property is Permian, Asitka Group limestone. This frequently bluff-forming unit is coarsely crystalline, weathers light grey and contains one-hole chrinoid fossils. This unit is uniformly found adjacent to the Omineca intrusive rocks and outcroppings are found on the Mason 1 and 2 claims. The limestone is locally metamorphosed to garnet-diopside skarn.

Triassic-aged Takla Group volcanic rocks are composed of dark green-grey, pyritic augite basalt. Takla rocks are found on the Mason 1 claim and also host the nearby Baker Mine gold-silver deposit.

Vari-coloured hornblende-feldspar porphyry andesite rocks of the 'Toodoggone volcanic series' outcrop on the Perry 1 claim. These crystal tuffs host the Lawyers gold-silver deposit located 7 km to the northwest.

Omineca intrusive rocks, proposed as coeval to Toodoggone volcanics, outcrop over most of the southern Perry Mason claim group. The main intrusive body is composed of quartz monzonite while dikes, sills and irregular bodies of pinkish feldspar porphyry (syeno-monzonite) outcrop peripheral to the main plutonic body. These syeno-monzonite intrusive rocks closely resemble rocks of the Toodoggone volcanic series in both composition and appearance.

Structure over the Perry Mason group is complex, with concentric and radial fracturing emanating over a broad area from the main granite pluton. Large quartz veins and breccia zones with associated galena, chalcopyrite, pyrrhotite, sphalerite and tetrahedrite mineralization are related to these and other structures.

2.2 Black Pete Showing (Figure 3)

Four main lithological units occur in the Black Pete showing area. They include: limestone skarn, Takla basalt, feldspar porphyry of syeno-monzonite composition and large quartz veins. The main structural and lithological trend is northeast with easterly oriented faults offsetting the main trend.

Small remnant outcrops of limestone skarn occur in the creek bank opposite TRENCH 83 PM-5. This actinolite garnet skarn weathers pale green and occurs as a thin wedge between Takla basalt and the Jurassic feldspar porphyry intrusive rocks. Fine-grained Takla augite basalt weathers dark green-grey and is the apparent host for precious metal quartz vein mineralization. The unit contains abundant (1-5%) disseminated pyrite.

The feldspar porphyry of syeno-monzonite composition contains fresh pink plagioclase feldspar phenocrysts in a similarly composed and coloured groundmass. The unit outcrops extensively in the southeast showing area.

A fourth lithological map unit is the quartz veins which host the precious metal mineralization (see next section).

Structure appears complex in the 'Black Pete' showing area. Poor geological exposure has made structural interpretation very difficult. However, four main structural trends have been delineated from outcrop measurements. They are subvertical northeast-trending strong fractures; north-trending faults, quartz veins, fracturing and possible bedding; east-trending faulting and secondary fracturing; and southeast-trending quartz veins and fault slips.

3. MINERALIZATION AND ASSAYS

Precious metal quartz vein mineralization has been extended to a 80-metre strike length with apparent surface widths of between 4 and 12 metres or more. Results are plotted on Figure 3 and listed in the Appendix.

Five trenches of varying length were cut to bedrock, systematically chip channel sampled and geologically mapped. Quartz veins were discovered in TRENCHES 83 PM-1, 3, 4 and 5. Results to date for gold-silver are sub-economic, but clearly anomalous and encouraging for this early stage of assessment. Gold values ranged from .001 to .110 ounces/ton and averaged .0084 ounce/ton for the 53 samples taken. Silver values ranged from 0.13 to 8.70 ounces/ton and averaged 1.16 ounces/ton for all samples taken.

Only occasional mineralization is visible and occurs as fine-grained disseminated tetrahedrite, galena and chalcopyrite. No native gold or silver has been identified to date.

4. CONCLUSIONS

The Perry Mason claims are situated in a steadily proving gold-silver mineral camp, the Toodoggone District. The 'Black Pete Zone', as outlined by trenching to date, has indicated suitable dimensions of quartz veins and adequate silver-gold values to warrant further exploration. All claims should be retained.

5. RECOMMENDATIONS FOR THE 'BLACK PETE ZONE'

Stage 1

A 1984 caterpillar-backhoe trenching program to delineate the surface extent of quartz vein-hosted silver-gold mineralization is proposed. The trenches should be systematically mapped and chip channel sampled.

Stage 2

A 1984 or 1985 drill program is proposed to test targets at depth as outlined by surface work results. A minimum of 6 drill holes of 50 metres length should be allocated to this program.

Walter Stammers

6.

CERTIFICATE OF QUALIFICATIONS

I, MICHAEL STAMMERS, of Port Coquitlam, British Columbia, hereby certify that:

1. I am a geologist employed by Serem Ltd. of
300 - 535 Thurlow Street, Vancouver, B.C., V6E 3L2.
2. I hold a B.A. degree in geology and geography
from McMaster University, Hamilton, Ontario.
3. I have worked in geology and mineral exploration
in the Yukon Territory, Northwest Territories,
and British Columbia for 10 years.
4. I am the author of this report and the work
described in this report was carried out under
my supervision.
5. I have no financial interest in the claims covered
by this report or in Serem Ltd.



Vancouver, B.C.
October 1983

Michael Stammers,
Geologist.

7.

STATEMENT OF EXPENDITURESWages - Field

Aug. 21, 25, 1983:

Mgr./Geol.: P. Tegart 2 days @ \$250.00 x 1.35 \$675.00

Aug. 30, 31, & Sept. 1, 1983:

Geologist: M. Stammers 3 days @ \$145.00 x 1.35 587.25

Assistant: G. Fearnside 3 days @ \$128.00 x 1.35 518.40

Aug. 30 & Sept. 1, 1983:

Cook/Asst: S. McIntosh 2 days @ \$150.00 x 1.35 405.00

Aug. 30, 1983:

Assistant: D. Dolsen 1 day @ \$125.00 x 1.35 168.75

Assistant: D. Gilbert 1 day @ \$ 60.00 x 1.35 81.00

- Office

Sept. 27-30, 1983:

Geologist: M. Stammers 4 days @ \$145.00 x 1.35 783.00

Sept. 29-30, 1983:

Secretarial/Drafting 300.00

\$3,518.40

Room and Board - Aug. 21, 25, 30, 31, Sept. 1, 1983:

12 man-days @ \$25.00/man-day \$ 300.00

Transportation

Aug. 31, 1983: Fixed Wing (Smithers/Sturdee) \$535.00

Aug. 30, 31, Sept. 1, 1983:

Truck & Fuel 3 days @ \$50/day 150.00

Helicopter 0.5 hr. @ \$450/hr 225.00

Hel. Fuel 0.5 hr. @ \$115/hr 57.50

\$ 967.50

Assays

53 samples for Au & Ag @ \$16.50/sample \$874.50

Freight (Greyhound) 62.70

Crusher ½ day @ \$128/day 64.00\$1,001.20

TOTAL

\$5,787.10

APPENDIX

ASSAY RESULTS

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 61 Date of report Sept. 22/83.
File No. 3-1009 Date samples received Sept. 13/83.
Samples submitted by:
Company: Serem Ltd.
Report on: Geochem samples
.....
..... 53 Assay samples

Copies sent to:

1. Serem Ltd., Vancouver, B.C.
2. Serem Ltd., Smithers, B.C.
3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored discarded

 rejects stored discarded

Methods of analysis: Ag-Acid digestion-chemical analysis.

..... Au-fire.

Remarks:
.....
.....

SPECIALISTS IN MINERAL ENVIRONMENTS

Certificate of Assay

TO Serem Ltd.,PROJECT No. 61300-535 Thurlow St.,DATE: Sept. 22/83.Vancouver, B.C.File No. 3-1009

SAMPLE No.	Ag	Au			
	oz/ton	oz/ton			
12951	.13	.001			
52	.24	.001			
53	.12	.008			
54	.40	.002			
55	.33	.001			
56	.83	.006			
57	1.22	.010			
58	8.70	.045			
59	.71	.002			
60	.43	.002			
61	8.15	.110			
62	1.36	.001			
63	.68	.009			
64	3.61	.021			
65	1.02	.008			
66	.25	.002			
67	2.08	.009			
68	1.44	.008			
69	.62	.002			
70	.52	.002			
71	.43	.002			
72	1.45	.009			
73	.32	.007			
74	.20	.002			
75	.60	.006			
76	.24	.007			
77	.20	.003			
78	.29	.005			
79	.42	.002			
12980	.32	.008			

MINE-EN Laboratories Ltd.

CERTIFIED BY: 

Certificate of Assay

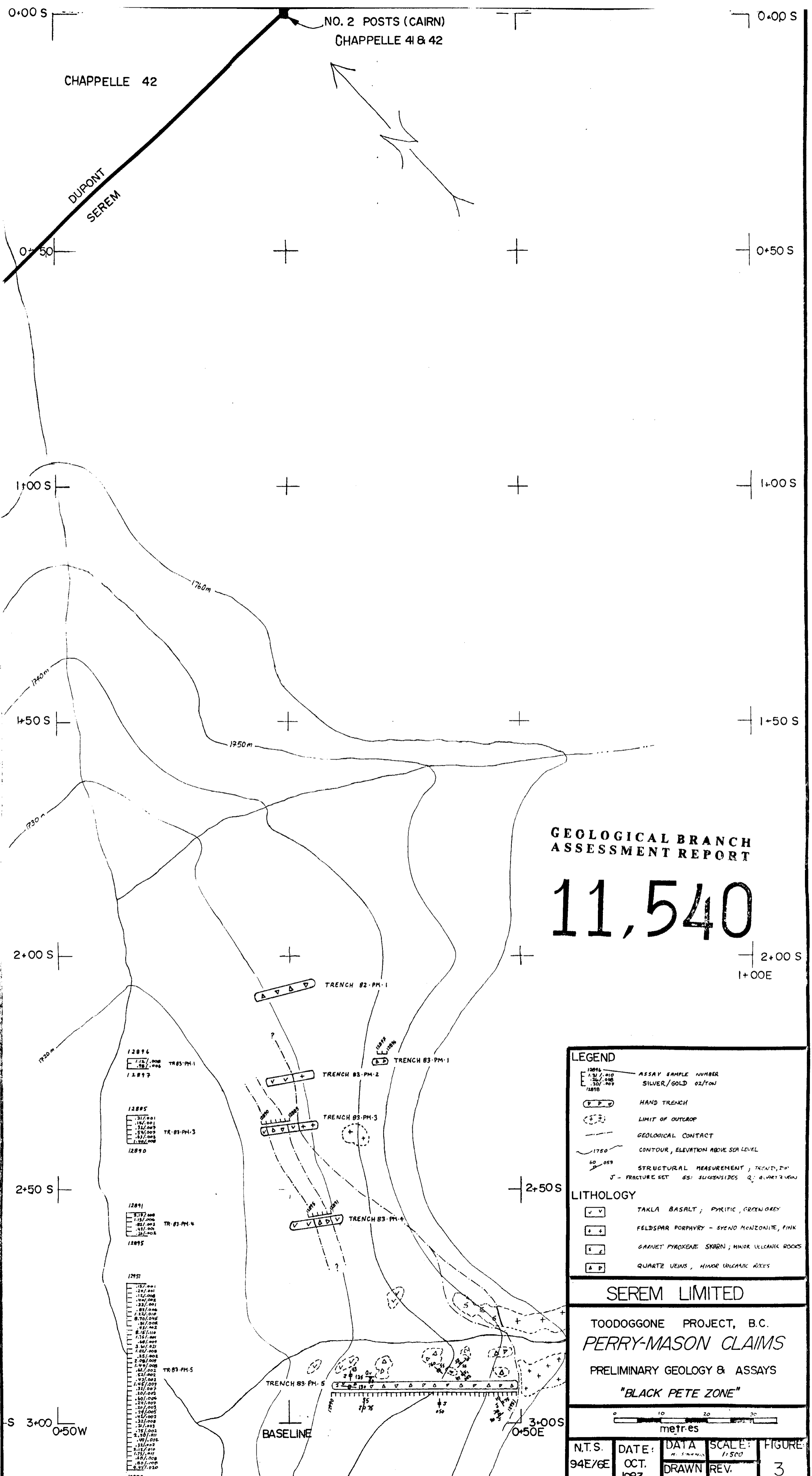
TO: Serem Ltd.,
300-535 Thurlow St.,
Vancouver, B.C.

PROJECT No. 61
 DATE: Sept. 22/83.
 File No. 3-1009

SAMPLE No.	Ag	Au			
	oz/ton	oz/ton			
12981	.31	.003			
82	.76	.002			
83	2.50	.011			
84	.49	.002			
85	.32	.002			
86	2.15	.010			
87	1.73	.011			
88	.68	.008			
89	.80	.008			
12990	4.45	.028			
12885	.21	.001			
86	.17	.001			
87	.32	.007			
88	.54	.007			
89	.63	.003			
90	1.40	.008			
91	2.17	.008			
92	1.13	.006			
93	.82	.002			
94	.43	.001			
95	.26	.002			
96	1.12	.008			
97	.98	.006			
12898	no sample				

MINE-EN Laboratories Ltd.

CERTIFIED BY: 



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,540

12894	1.12/.008	TR 83-PM-1
	.78/.006	
12897		
12895	.31/.001	TR 83-PM-3
	.19/.001	
	.32/.001	
	.58/.001	
	.82/.008	
12890		
12891	3.17/.008	TR 83-PM-4
	1.18/.006	
	.82/.003	
	.41/.001	
	.28/.001	
12895		
12951	.17/.001	TR 83-PM-5
	.24/.001	
	.12/.008	
	.48/.002	
	.23/.001	
	.81/.006	
	0.70/.006	
	.31/.001	
	.41/.001	
	8.15/.116	
	1.76/.001	
	.48/.001	
	3.61/.021	
	1.02/.008	
	.15/.001	
	2.08/.001	
	1.44/.008	
	.44/.001	
	.53/.001	
	.43/.001	
	1.45/.001	
	.31/.001	
	.20/.001	
	.24/.001	
	.20/.001	
	.21/.001	
	.41/.001	
	.32/.001	
	.11/.001	
	.75/.002	
	2.50/.011	
	.91/.001	
	.31/.001	
	1.15/.010	
	.17/.001	
	.48/.001	
	4.95/.030	
12990		

LEGEND

- 12894
1.12/.008
78/.006
12897
- 12895
.31/.001
.19/.001
.32/.001
.58/.001
.82/.008
12890
- 12891
3.17/.008
1.18/.006
.82/.003
.41/.001
.28/.001
12895
- 12951
.17/.001
.24/.001
.12/.008
.48/.002
.23/.001
.81/.006
0.70/.006
.31/.001
.41/.001
8.15/.116
1.76/.001
.48/.001
3.61/.021
1.02/.008
.15/.001
2.08/.001
1.44/.008
.44/.001
.53/.001
.43/.001
1.45/.001
.31/.001
.20/.001
.24/.001
.20/.001
.21/.001
.41/.001
.32/.001
.11/.001
.75/.002
2.50/.011
.91/.001
.31/.001
1.15/.010
.17/.001
.48/.001
4.95/.030
12990

- ASSAY SAMPLE NUMBER
- SILVER/GOLD OZ/TON
- HAND TRENCH
- LIMIT OF OUTCROP
- GEOLOGICAL CONTACT
- CONTOUR, ELEVATION ABOVE SEA LEVEL
- STRUCTURAL MEASUREMENT, TRENCH, IN
- J - FRACTURE SET SS: SUDANESIDES Q: QUARTZ VEIN

LITHOLOGY

- TAKLA BASALT; PYRITIC, GREEN GREY
- FELDSPAR PORPHYRY - SYENO MONZONITE, PINK
- GARNET PYROXENE SKARN; MINOR VOLCANIC ROCKS
- QUARTZ VEINS, MINOR VOLCANIC ROCKS

SEREM LIMITED

TOODOGGONE PROJECT, B.C.
PERRY-MASON CLAIMS
PRELIMINARY GEOLOGY & ASSAYS
"BLACK PETE ZONE"

0 10 20 30
metres

N.T.S.	DATE:	DATA	SCALE:	FIGURE:
94E/6E	OCT. 1983	M. SPYRNEIS	1:500	3
		DRAWN	REV.	
		M. SPYRNEIS		