

REPORT ON GEOCHEMICAL SURVEY

KODAH CLAIMS

OMINECA MINING DIVISION

Location:        WTS 94E/6W; 57°22'N, 127°W  
Owner:            S.E.R.E.M. Ltd.  
Operator:        S.E.R.E.M. Ltd.  
Report by:        Joan P. Carne  
Date:             October 30, 1979

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
7703  
PART 2  
OF 2

## TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
GEOCHEMICAL SURVEY	3
RESULTS	3
CONCLUSION	4
STATEMENT OF COSTS	5
STATEMENT OF QUALIFICATIONS	6

## TABLE OF FIGURES

### Figure

1	Location Map	2
2	Ag in Soil	in pocket
3	Au in Soil	in pocket

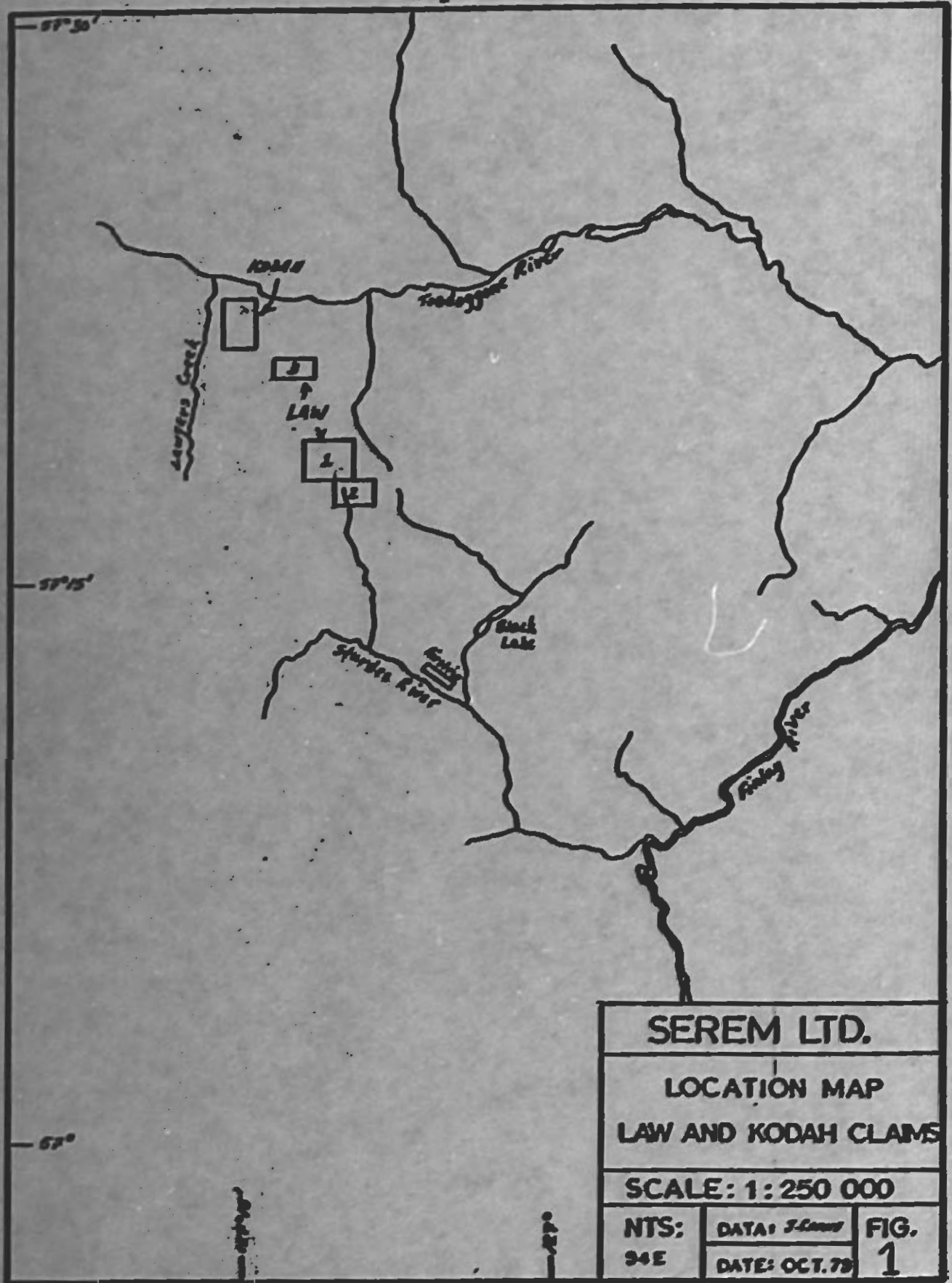
## INTRODUCTION

The Kodah claims are located immediately southeast of the junction of Lawyers Creek and Toodoggone River, approximately 18 km west of Toodoggone Lake (Figure 1). Access is by fixed wing from Smithers (290 km), Dease Lake (175 km) or Watson Lake (330 km) to either Black Lake or the newly upgraded Sturdee Valley airstrip and by helicopter to the property.

The claim group sits on the north and west slope of a small hill between 4000 and 5000 feet elevation. Generally there is forest cover with small areas of low, boggy ground. Outcrop is plentiful over much of the area and is mainly an epidote-rich, pink feldspar porphyry - probably a crystal tuff. These rocks are somewhat similar to those found on the nearby Lawyers property of known gold-silver mineralization.

The Kodah claims were staked in August 1978 and recorded September 28, 1978 by S.E.R.E.M. Ltd. to cover ground previously held by Kennco Explorations Ltd. Kennco mapped and soil sampled the area in 1971 - 1973.

Work this season consisted of a soil survey in an area of anomalous values as defined by the older Kennco work. A total of 328 samples were collected on a grid covering an area of 40 hectares. Grids were surveyed with hip chain and compass.



SEREM LTD.

LOCATION MAP  
LAW AND KODAH CLAIMS

SCALE: 1:250 000

NTS:  
94E

DATA: *J-Lover*  
DATE: OCT. 79

FIG.  
1

### GEOCHEMICAL SURVEY

The old soil grid of Kennco was laid out along a baseline with cross lines at 400 foot intervals. Samples were taken at 100 foot intervals. Lines this year were surveyed and sampled at 100 foot spacings with samples again at 100 foot intervals between the old grid lines. The old grid was still easy to find and well marked. A mattock or rock hammer was used to collect the samples.

Soil development is quite variable across the area. In some places it is restricted to a thin veneer on bedrock; in low areas a more complete soil profile is found. Where possible a B horizon was collected. Sample depth varies from near surface to 30 cm.

Samples were analysed by Vangeochem Lab in North Vancouver, B.C., using standard acid digestion and atomic absorption techniques. The minus 80 mesh fraction was analysed. Silver had an additional background correction to remove excess values due to source interference. Values are therefore somewhat lower than uncorrected values.

### RESULTS

Values of silver in ppm and gold in ppb are plotted on Figures 2 and 3. From previous work in the area, values of 2.0 to 4.0 ppm silver and 100 to 300 ppb gold are considered moderately anomalous, while values in excess of 4 ppm silver and 300 ppb gold are strongly anomalous.

Highest gold values on line 19+00 north are only moderately anomalous, but they correlate with high silver values. Both metals show a northwest trending anomalous zone to line 23+00N.

CONCLUSION

A distinct north-northwesterly zone of silver-gold values in soils is present on the Kodah claims. Follow-up prospecting and trenching may provide further insight into the nature of the anomalies.

STATEMENT OF COSTS

Description

Wages

W. Moody - Aug. 28, Sept. 17-18; soil sampling, surveying 3 days @ \$46	\$ 138	
D. Todd - Aug. 28; soil sampling 1 day @ \$30	30	
H. McLeish - Sept. 17-18; soil sampling 2 days @ \$46	92	
D. Dolsen - Sept. 17-18; surveying, soil sampling 2 days @ \$55	110	
P. Newman - Sept. 17-18; surveying, soil sampling 2 days @ \$70	140	
J. Carne - Aug. 28; surveying 1 day @ \$76	76	
Data compilation and report 1 day @ \$76	76	\$ 662

Room and Board

11 days @ \$20 220

Transportation

3 hr. helicopter @ \$315/hr. 945

Analyses

328 samples analysed for Ag, Au at \$6/sample 1,968

Report Expenses

50

TOTAL

\$3,845  
\*\*\*\*\*

STATEMENT OF QUALIFICATIONS

I, JOAN F. CARNE, of Vancouver, B.C. hereby certify that:

1. I hold a B.A. in geology from Middlebury College, Middlebury, Vermont and an M.Sc. in geology from the University of British Columbia.
2. I am a geologist employed by S.E.R.E.M. Ltd. of 505 - 850 West Hastings Street, Vancouver, B.C.
3. I have worked in geology and mineral exploration for three years.
4. The field 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 S.E.R.E.M. Ltd.

DATED this 30th day of October, 1979 at Vancouver, B.C.



Joan F. Carne,  
Geologist

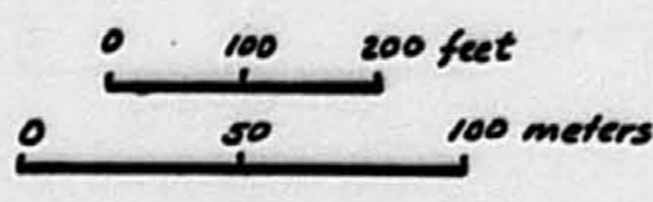


28+00N	.02	.01	2.2	14	43	0.1	0.9	0.2	0.7	0	2.6	2.7	0.9	.15													
	.03	1.3	3.1	4.3	0.3	0.4	0.7	0.7	5.7	2.6	2.9	3.0	0.1	.12													
26+00N	3.5	3.4	3.6	1.0	0.5	0.1	0.8	1.9	1.1	3.7	4.8	0.2	0.1	.55													
	2.6	1.5	1.5	1.0	2.3	1.2	1.6	4.1	4.7	8.9	6.2	0.9	3.4	.10													
24+00N														.01													
	2.5	2.8	7.3	3.0	0.5	0.1	0.8	0.6	1.5	1.4	1.8	2.2	5.4	.05													
22+00N	1.0	8.2	4.7	5.0	0.8	1.4	0.1	0.7	2.5	1.0	1.7	0.5	0.9	0													
	.05	.55	1.4	1.4	2.1	5.9	0.7	1.2	0.7	0.3	0.3	1.6	0.3	.26													
20+00N														.02													
	.03	.04	0.6	4.6	1.1	4.3	5.6	0.4	6.4	0.2	1.6	5.4	0.4	.04	.03	0.6	0.9	0.2	2.5	0.3							
18+00N	.03	.03	0.7	0.2	2.0	1.8	1.9	1.2	0.2	0.3	0.2	0.2	2.4	0.5	0.4	0.3	0.7	0.5	0.2	1.9							
																					.13	.12	1.0	5.0	1.1	1.1	5.4
16+00N																											.07
	.04	3.6	0.6	0.7	1.1	2.0	1.6	0.8	0.7	0.9	2.1	0.2	0.3	0.6	0.3	0.8	1.6	0.2	0.4	2.2							
14+00N	.04	0.7	1.2	0.4	3.2	1.3	1.6	2.8	NS	5.1	5.4	4.6	2.1	0.4	0.8	0.4	0.3	0	0.7	0.6							
	.01	0.2	0.8	0.3	0.6	0.8	2.6	0.4	0.2	0.4	1.1	0.3	3.3		0.9	0.3	0.5	3.3	1.9	4.5							
12+00N																											
	.13	0.1	1.0	1.4	1.3	0.2	0.3	8.1	0.5	0.3	1.9	3.3	1.1	1.3	4.8	0.9	2.6	1.6	0.1	0.7							
10+00N	.05	NS	0.4	3.7	3.0	1.5	1.2	2.3	2.4	1.7	2.2	1.7	1.7	0.6	0.4	2.0	0.1	2.3	1.2	0.1							
	2.4	1.6	0.2	1.0	0.8	0.7	3.1	1.0	1.4	6.0	0.9	0.6	2.3	2.1	0	0.2	2.1	0.6	0.3	0.8							
8+00N																											3.4
	1.2	0.7	2.7	1.9	3.4	2.0	1.4	0.1	1.6	0.7	2.3	1.5	0.3	0.4	0.9	0.2	0.1	0.3	1.8	0.3							
6+00N	1.3	1.1	NS	2.3	NS	6.4	2.3	0.8	0.8	0.1	1.0	2.8	7.3	1.1	NS	1.8	1.4	0.2	0.7	0.8							
	6.3	2.5	2.0	0.6	0.4	0.5	4.8	3.2	0.3	6.2	5.0	6.0	4.4	7.2	2.1	1.4	1.6	NS	2.7	1.0							
4+00N																											



14+00W      12+00W      10+00W      8+00W      6+00W      4+00W      2+00W      BASELINE      2+00E      4+00E      6+00E

MINERAL RESOURCES RESEARCH  
ASSESSMENT REPORT  
**7703**  
**part 2**  
**of 2**



*John Carne*

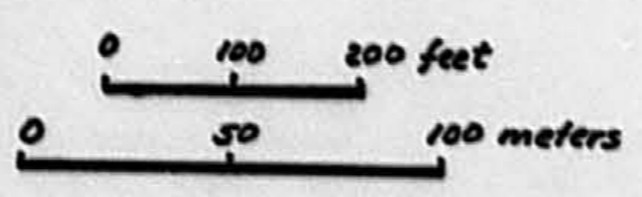
SEREM LTD.		
KODAH CLAIMS SOIL GRID Ag in ppm		
SCALE : 1 : 2400		
NTS: 94E/6W	DATA BY: J. CARNE DATE : OCT. 1979	FIGURE: 2

28+00N	.0	.10	.10	.10	.40	.0	.0	.0	.0	.20	.10	.30	.30	.20												
	.10	.30	.0	.30	.0	.0	.0	.0	.40	.60	.20	.0	.10	.20												
26+00N	.10	.30	.0	.0	.0	.0	.0	.10	.10	.10	.10	.0	.10	.10												
	.10	.30	.60	.0	.10	.10	.0	.0	.0	.10	.0	.0	.40	.0												
24+00N														.90												
	.20	.70	.70	.60	.10	.10	.0	.0	.10	.10	.10	.10	.10	.10												
22+00N	.20	.30	.90	.20	.10	.0	.0	.10	.10	.0	.10	.0	.0	.0												
	.60	.10	.0	.20	.80	.20	.0	.10	.0	.0	.0	.0	.150	.0												
20+00N														.10												
	.0	.0	.10	.10	.20	.10	.20	.10	.40	.0	.20	.30	.0	.0	.10	.10	.0	.10	.30	.10						
18+00N	.0	.0	.0	.0	.50	.40	.0	.0	.20	.0	.0	.0	.90	.0	.0	.0	.0	.10	.0	.10						
																		.10	.0	.0	.30	.0	.30	.0		
16+00N																					.80					
	.20	.0	.20	.0	.60	.70	.10	.0	.0	.0	.20	.0	.0	.10	.20	.10	.0	.0	.0	.0	.20					
14+00N	.0	.0	.0	.10	.30	.0	.10	.10	.NS	.60	.40	.20	.20	.0	.0	.0	.0	.0	.0	.0	.0					
	.0	.0	.30	.0	.0	.50	.10	.0	.0	.10	.0	.0	.20	.0	.90	.20	.40	.30	.10							
12+00N																										
	.0	.20	.0	.0	.0	.10	.0	.100	.30	.0	.30	.10	.10	.10	.0	.10	.30	.0	.20	.10						
10+00N	.0	.NS	.20	.20	.50	.30	.20	.40	.50	.40	.10	.0	.40	.10	.0	.30	.10	.10	.20	.10						
	.60	.0	.20	.0	.0	.10	.90	.0	.10	.30	.0	.0	.20	.0	.0	.0	.10	.0	.40	.20						
8+00N																										
	.0	.0	.0	.0	.10	.0	.0	.0	.0	.10	.0	.10	.0	.10	.10	.0	.0	.10	.10	.0						
6+00N	.10	.20	.NS	.10	.NS	.10	.0	.0	.0	.10	.30	.0	.10	.0	.NS	.0	.0	.0	.0	.50						
	.20	.10	.0	.0	.0	.0	.10	.10	.0	.10	.0	.0	.0	.0	.0	.10	.30	.NS	.0	.20						
4+00N																										



14+00W    12+00W    10+00W    8+00W    6+00W    4+00W    2+00W    BASELINE    2+00E    4+00E    6+00E

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7703**  
part 2  
1 of 2



*John F. Carne*

SEREM LTD.		
KODAH CLAIMS SOIL GRID Au in ppb		
SCALE : 1:2400		
NTS: 94E/6W	DATA BY: J. CARNE DATE: OCT. 1979	FIGURE: 3