

GEOLOGICAL SURVEY
AUG 27 1968
Resident Geologist
Whitehorse, Y. T.

CONSOLIDATED SKENNA MINES LTD.

ABM GROUP
116 R-3 64°20'N 139° 43'W

Yukon Mining District, Y. T.

GEOLOGICAL REPORT

WORK PROGRAM: July 9, 1967 and August 10-22, 1967

by

F. H. Severson, Ph.D., P. Eng.

This report has been examined by
the Geological Evaluation Unit.
Approved as to technical worth by:
D. C. Finellay
RESIDENT GEOLOGIST,
Approved as to cost in the amount
of: \$ 1026.84
R. S. Redden
RESIDENT MINING ENGINEER
Accepted as representation work
under Section 53(4) Yukon Quartz
Mining Act.
[Signature]
COMMISSIONER OF YUKON

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ILLUSTRATIONS

- Fig. 1 Claim location 1" = 4 Miles & 1" = $\frac{1}{2}$ Mile
2 Sampling map 1" = 400'

Table - Geochemical Assay Reports

**ABW CLAIM GROUP
Dawson Mining District
Yukon Territory**

1. INTRODUCTION

The firm of P. H. Severson Consultants Ltd. was engaged to conduct a reconnaissance geochemical survey on the ABW claim group in the Dawson Mining District. This group of mineral claims is under option by the owners to Consolidated Skeena Mines Ltd., on whose behalf this work has been done.

The claims were staked and the work undertaken as the result of high silver-lead values in some soil samples taken by the owner, and of one high value encountered in minor check sampling carried out by P. H. Severson on July 9, 1967 on behalf of Consolidated Skeena Mines Ltd.

These initial sample results in ppm were as follows: (all assays by Bondar-Clegg, Hot HNO₃ - H Cl extraction)

<u>Date of Report</u>	Owners samples			PHS checks				
	Pb	Zn	Ag	Pb	Zn	Ag		
June 30/67	1	450	120	11.0	206	77	65	1.6
"	2	220	83	10.3	207	121	87	2.8
"	3	271	100	13.0	208	25	69	1.5
"	4	43	57	3.2			N S	
"	5	59	74	1.7			N S	
"	6	375	115	10.6	209	12	53	N D
"	7	365	138	18.9	210	18	87	N D
"	8	44	80	1.7	211	25	66	N D
"	9	25	53	0.3			N S	
"	10	42	57	1.4			N S	
July 27/67	11	205	67	9.9			N S	
"	12	26	69	1.4			N S	
"	13	108	59	5.7			N S	
"	14	15	50	0.4			N S	
"	15	15	69	0.8			N S	
July 17/67	No owners sample			212	200	173	11.4	

1-15 "B and "C" horizons

July 17/67 206-211

July 17/67 212

"C" horizon

"A" horizon

N D = Not Detected

n N S = Not Sampled

Sample locations are recorded on Figure 2

As a result of this work, and bearing in mind that any silver soil samples over 0.5 ppm are anomalous, it was decided to check the area by a more extensive survey.

The property is located just East of Silver City, where high silver-lead float has been found and where exploration work has been carried out in an endeavour to relocate veins reputedly found in place around 1905.

2. CLAIM STATUS

The 24 claims comprising this group are located at approximately 64° 20' north and 139° 45' west and are shown on claims sheet 116 B-3. Copies of the relevant records were examined to reveal the following information.

<u>Mineral Claim</u>	<u>Grant No.</u>	<u>Record Date</u>	<u>Trans. Record No.</u>	<u>Date Transferred</u>
*ABW 1 to 6 incl.	Y 15172 to Y 15177	July 7/67	N. A.	
**ABW 7 to 12 "	Y 15178 to Y 15183	July 7/67	N. A.	
*ABW 13 to 18 "	Y 15184 to Y 15189	July 7/67	7913	AUG. 4/67
**ABW 19 to 20 "	Y 15190 to Y 15191	July 7/67	N. A.	
*ABW 21 to 22 "	Y 15192 to Y 15193	July 7/67	N. A.	
*ABW 23 to 24 "	Y 15194 to Y 15195	July 7/67	7913	AUG. 4/67

*Claim Holder, W. Kaufman

**Claim Holder, E. Fitch

3. LOCATION AND ACCESS

The property is located on the north-east side of the Fifteen Mile River some three miles up-stream from its confluence with the Yukon River. Ready access to the mouth of the Fifteen Mile River may be had from Dawson via river boat or float plane. The distance to this point by river is about 18 miles. The Fifteen Mile River is not suitable for navigation due to current velocity and frequent turbidity.

The transverse valley by which this river joins the Yukon provides a route of moderate gradient to the property boundary. The valley is confined by steep rock walls for a distance not exceeding fifteen hundred feet. This section presents the only difficulty in constructing a tote trail to the property. An abandoned wagon trail was noted along the lower part of the Fifteen Mile River and it is understood that this had extended to Dawson.

The claims group lies between 1100 and 2300 feet elevation. The valley wall is characterized by steep slopes, scattered outcrops, and very shallow surficial deposits. A small tributary stream on the south part of the group follows an incised valley providing an feasible route to the upper part of the property.

4. GEOLOGY

Figure 2 shows the major formational units as correlated and defined on G.S.C. map 13-1962. The claim group occurs within the boundaries of G.S.C. unit D, a sequence of dark weathering volcanics and sediments of varying metamorphic grade. The nearby Silver Lead showing noted on Fig. 2 is located in limestone adjacent to a small quartz porphyry plug across the Fifteen Mile River from the claims group which is the subject of this report. The group is located to enclose a magnetic low indicated on sheet 116 E 3 of Geophysics Paper 4298. The 57,200 gamma contour is shown on the claims sketch. It is postulated that this area may also represent a limestone unit favourable for mineral deposition. No detailed geological work has been done on the property.

5. GEOCHEMICAL WORK

A. Method

The attached figures 2 to 4 inclusive show the grid which was established by chain and compass to locate sample sites in relation to claim posts and topographic features. The area had recently been razed by a forest fire which in many cases burned to mineral soil. This was true mainly in the plateau area. It was also noted that the flank slopes appear to have been denuded where as the plateau was covered by an appreciable thickness of transported till. For the above reasons it was decided to sample the "C" zone, on the plateau and for the most part the "B" zone on the slopes.

Samples from both horizons were taken from two separate locations to aid in correlating results.

A Mattock was employed to dig a pit into leached mineral soil or bedrock, at each sample site. A 30 to 100 gram sample of soil relatively free of organic matter was selected from the appropriate horizon and placed in a paper container.

All samples were forwarded as taken to Bunker-Clogg and Co. Ltd. for preparations, extraction and analysis. A copy of the lab report is appended.

B. Results

The results of the 43-sample check survey show 8 samples to have a weakly anomalous silver content; both lead and zinc show background values only.

There is no reasonable explanation for the discrepancies between the various surveys. A fire went through the area about July 11-13, 1967, before the check survey; it is not believed that this could have affected the results to this extent.

6. CONCLUSION AND RECOMMENDATIONS

The owner's original samples suggested a zone 1400' long by at least 400' to be highly anomalous in lead and silver.

The writer's samples 206, 207, 208 and 212 show definite and encouraging lead and silver values, but did not confirm the original anomaly even if these samples were taken in 6 of the same pits as the owner's samples.

Sample 212 was taken in a new location, about at the subsequent AB-13 sample location.

The 45 AB series samples only showed scattered weakly anomalous silver between 1.0 and 1.3 ppm.

The writer concludes that scattered silver values can be expected in the bedrock; the 45 sample check survey does not give any suggestion of the possibility of a large silver bearing zone as indicated by the original 15 samples or of more restricted zones as suggested by the writer's original seven check samples.

No additional work is recommended to Consolidated Skene Mines Ltd. unless further prospecting by the owners leads to the discovery of showings in place.

Respectfully submitted,



P. H. Sevenema.

APPENDIX A

Name and addresses of Persons Employed:

Geological Consultant - F. H. Sevanna Consultants Ltd.
715 - 830 West Hastings St.,
Vancouver, 1, B. C.
F. H. Sevanna P. Eng.
H. S. Atkins Sr. Technician

Boat Rental- B. Fitch
Duncan City

Field Assistant- J. Hayden
Duncan City

Analytical Services- Bondar-Clegg and Co. Ltd.
1500 Pemberton Ave.,
North Vancouver, B. C.
Analyst- L. Pachi

July 9, 1967 Field Sampling by F. H. Sevanna

**August 10-15, 1967 Fields sampling by H. S. Atkins, B. Fitch
and J. Hayden**

August 28, 1967 Assaying and reporting completed.



APPENDIX B

Statement of Costs Incurred by Consolidated Skeena Mines Ltd.

Firm or Individual	Amount
July examination and sampling (Part of July invoice by P.H. Sevensma Consultants Ltd.)	\$360.05
August work program	<u>666.79</u>
TOTAL EXPENSE (to date, Aug. 28/67)	\$1026.84

P.H. Sevensma

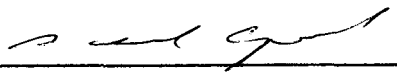
IN THE MATTER OF THE ABW CLAIM GROUP
AND IN THE MATTER OF FIELD WORK REPORT
ON THIS GROUP OF CLAIMS

AFFIDAVIT

I, PETER H. SEVENSMA, of 715-850 West Hastings
Street, Vancouver, Province of British Columbia, HEREBY MAKE
OATH AND SAY AS FOLLOWS:

That attached hereto to this my Affidavit, is a
list of expenditures made on the ABW group of claims in the
Dawson Mining District during July and August of 1967, which
I certify to be accurate to the best of my knowledge and
belief.

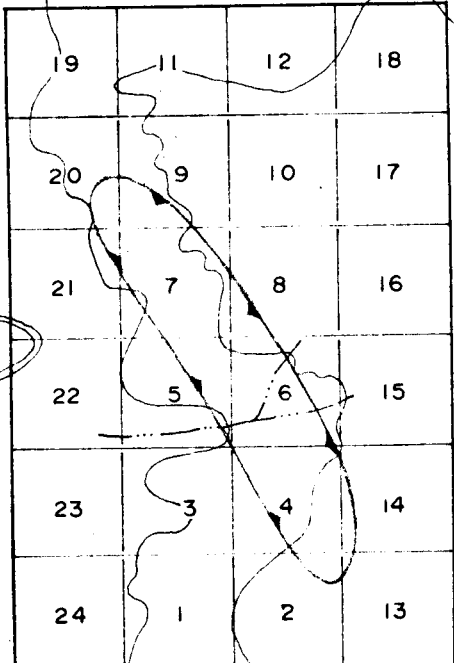
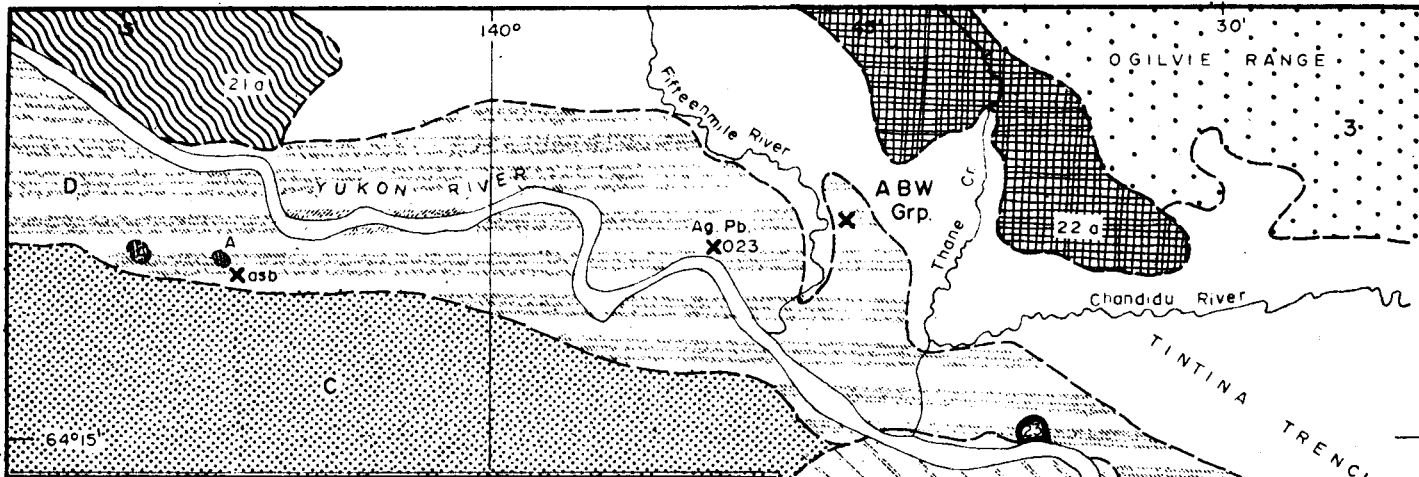
SWORN before me at the City)
of Vancouver, Province of)
British Columbia, this 26th)
day of March, A.D. 1968.)



A Notary Public in and for)
the Province of British)
Columbia)



Peter H. Sevensma



- * LEGEND**
- Surficial deposits.
 - Tertiary, Quartz porphyry
 - Cretaceous (?), Arenites, Cgl. shale.
 - Cretaceous (?), Granodiorite.
 - Precambrian, Seds & schist
 - Serpentinized Ultrabasics
 - Buff weathering, schists.
 - Grey Green Q'tzite and schist.
 - Greenstone, schist limestone

* Condensed from G.S.C. Map 13 - 1962

ABW Mineral Claims
LEGEND

Magnetic Low
(57,200 gamma isomagnetic contour)

SCALE 1/2 Mile

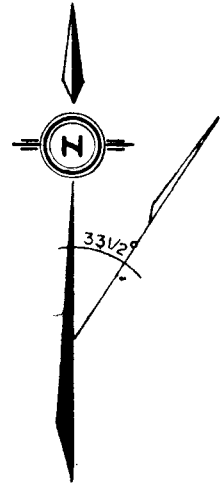
FIG. 1

CONSOLIDATED SKEENA MINES LTD.

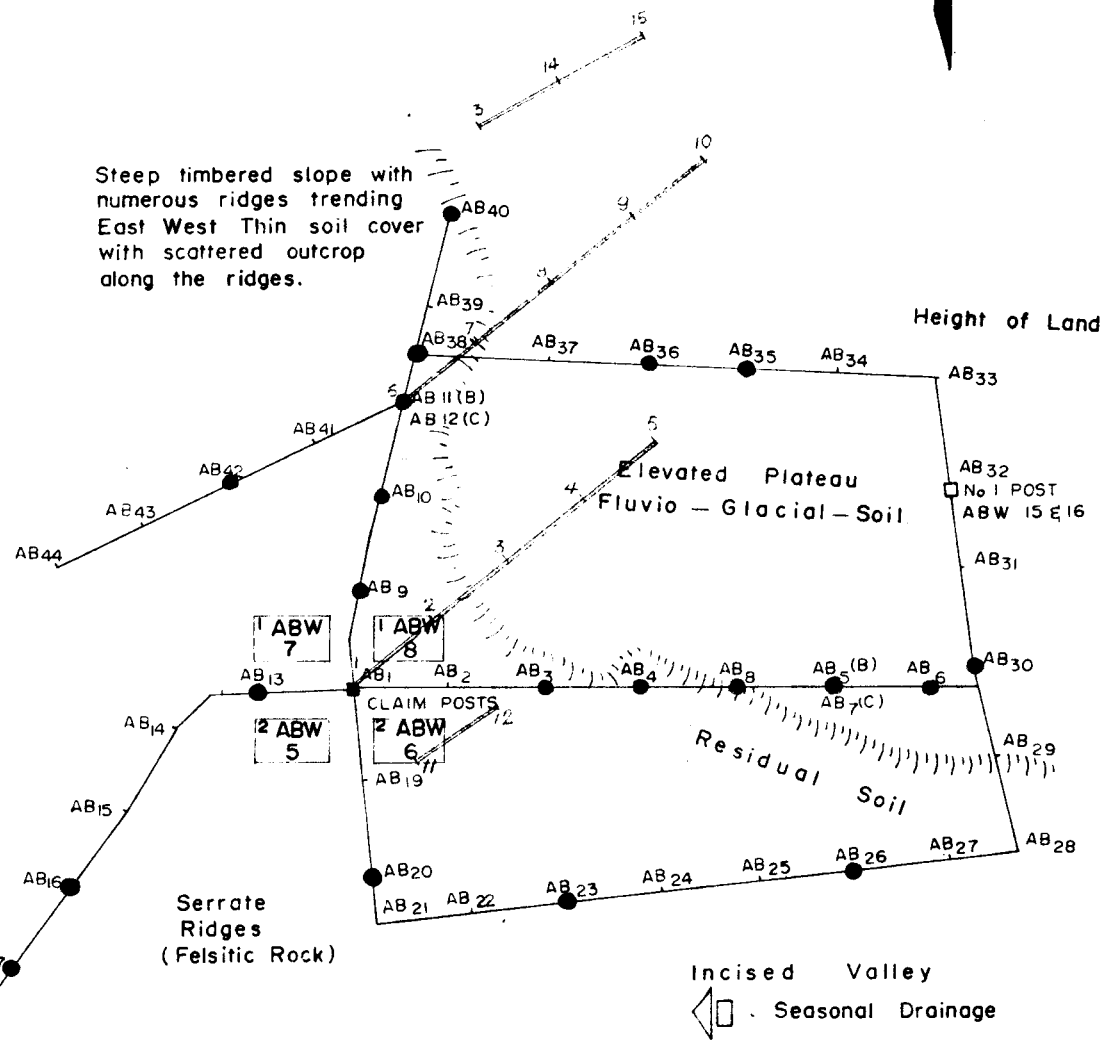
ABW GROUP GEOLOGY CLAIM LOCATION MAP
Dawson M.D.

P. H. Sevensma Consultants Ltd - Vancouver B.C.

August 1967 115-B-5



Steep timbered slope with numerous ridges trending East West Thin soil cover with scattered outcrop along the ridges.



J.H. Sevensma

SOIL SAMPLING

- Lead and Zinc. Background
- Silver Weak anomaly 1.0-1.3 ppm.

FIG. 2

CONSOLIDATED SKEENA MINES LTD

A B W GROUP — GEOCHEMICAL RECONNAISSANCE

Dawson M.D.

P.H. Sevensma Consultant Ltd. — Vancouver B.C.

August 1967

115 - B - 5

SCALE 0 400

**BONDAR-CLEGG & COMPANY LTD.**

geologists • geochemists • analysts

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.
PHONE 988-5315**GEOCHEMICAL LAB REPORT**No. 2-135-7Extraction Hot HNO₃-HClFrom P. H. Sevensma ConsultantsMethod Atomic AbsorptionDate August 23 1967Fraction Used -80 meshAnalyst E. Paski

SAMPLE NO.	ppm Pb	ppm Zn	ppm Ag	REMARKS
AB 1	24	90	.4	
AB 2	20	89	.6	
AB 3	19	59	.4	
AB 4	22	57	.3	
AB 5	19	73	.2	
AB 6	16	45	.3	
AB 7	19	52	.3	
AB 8	22	90	.4	
AB 9	22	86	.5	
AB 10	17	59	.5	
AB 11	16	71	.4	
AB 12	17	59	1.3	
AB 13	13	56	1.2	
AB 14	15	49	.8	
AB 15	19	64	.8	
AB 16	18	70	1.2	
AB 17	15	85	1.3	
AB 18	21	83	1.1	
AB 19	17	64	.6	
AB 20	16	66	1.1	
AB 21	13	75	.7	
AB 22	15	70	.9	
AB 23	15	61	1.3	
AB 24	20	75	.6	
AB 25	21	69	.8	
AB 26	23	107	.4	
AB 27	23	84	.7	
AB 28	22	72	.6	
AB 29	22	67	.6	
AB 30	18	40	.2	
AB 31	22	50	.6	

(6)

GEOCHEMICAL LAB REPORT

SAMPLE NO.		ppm Pb		ppm Zn		ppm Ag		REMARKS
AB 32		19		44		.5		
AB 33		19		42		.7		
AB 34		19		43		.6		
AB 35		20		50		.3		
AB 36		20		48		.2		
AB 37		23		66		.8		
AB 38		18		93		1.0		
AB 39		16		64		.6		
AB 40		15		58		.4		
AB 41		19		81		.8		
AB 42		21		72		.5		
AB 43		21		67		.7		
AB 44		23		81		.7		
AB 45		18		86		.8		
AB 46		22		85		.5		
These are the soil samples taken by H. S. Atkins and referred to in the report on the A.B. group of claims by P. H. Severson for Consolidated Skedna Mines Ltd. dated August 28, 1967.								
The location of these samples is shown on Figure 2 of this report.								
