

GEOCHEMICAL

REPORT

ON

PEG GROUP OF
MINING CLAIMS

SILVER STANDARD MINE

4 miles North of

Hazelton, B.C.

55degrees 127degrees S.W.

OMINECA

93M/5E

MINING DIVISION

Wm. St. C. Dunn

Sent. 1954 to Feb. 1955

MINING ENGINEER

0107

107

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SILVER STANDARD MINES LIMITED
(NON-PERSONAL LIABILITY)

REPORT on GEOCHEMICAL SURVEY of
PEG GROUP of MINERAL CLAIMS.

OBJECT To ascertain the location of any veins contain-
ing zinc on a portion of the Peg # 4 M.C..

PROCEDURE

Five lines at 100 foot intervals and varying be-
tween 1100 and 1250 feet in length were cut on a bear-
ing of N 76 degrees W on the Peg # 4 M.C.. This bear-
ing is at right angles to the general strike of the
veins at Silver Standard.

Twig samples approximately one year old were
taken at 25 foot intervals from birch trees along the
five lines.

These samples were tested for zinc content in
the following manner-

- (1) Ash $\frac{1}{2}$ gm. plant material
- (2) Transfer ash to 10 ml beaker
- (3) Moisten ash with distilled water
- (4) Add 1 ml 3n HCL
- (5) Evaporate to dryness (10 to 20 minutes)
- (6) Add .2 ml 3n HCL and 10 c.c. of 10% Na₂SO₄
solution

- (7) Add buffer to give PH greater than 4
- (8) Titrate with Dithizone.

The results were plotted as shown on the accompanying map.

EVALUATION OF RESULTS

Previous work over the known ore shoots at Silver Standard had shown that any appreciable amount of zinc would cause the birch twigs to contain at least 250 p.p.m.. On this basis it would appear that the only anomalous area of the ground covered is in the southwest section. Previous stripping in this area had revealed a quartz vein with a very minor zinc content.

The area covered is therefore considered to be unfavorable for ore shoots of the type found in the Silver Standard Mine.

SILVER STANDARD MINES LIMITED
(NON-PERSONAL LIABILITY)

EVIDENCE of EXPENDITURE for GEOCHEMICAL
SURVEY on PEG GROUP.

Supervising work, compiling report, and evaluating results -

W. St. C. Dunn

4 days @ \$35.00/day \$140.00

Cutting lines

A. Cesari 6 days @ \$11.46/day 68.76

Taking samples

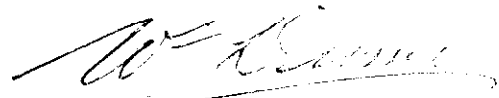
D. Horwill 6 days @ \$15.00/day 90.00

Assaying 444 samples

D. Horwill
20 days @ \$15.00/day 300.00

\$598.76

Certified Correct



Wm. Dunn,
Gen. Superintendent.

SILVER STANDARD MINES LIMITED.

TIME RECORD OF LABOUR FOR GEOCHEMICAL SURVEY OF PEG GROUP.

NAME	Rate	Sept./54						Oct./54											Feb./55					TOTAL						
		21	22	23	27	29	30	1	2	4	5	6	7	8	11	12	13	14	15	17	18	19	20		7	8	9	10	11	
A. Cesari	\$11.46		8	8	8	8	8	8																						6
D. Horwill	15.00	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	26	
W. Dunn	35.00	8																							8	8	8	4		

Certified Correct



Wm. Dunn.

Declared before me at Hazelton
British Columbia by Wm. Dunn
this fourteenth day of February
A.D.1955



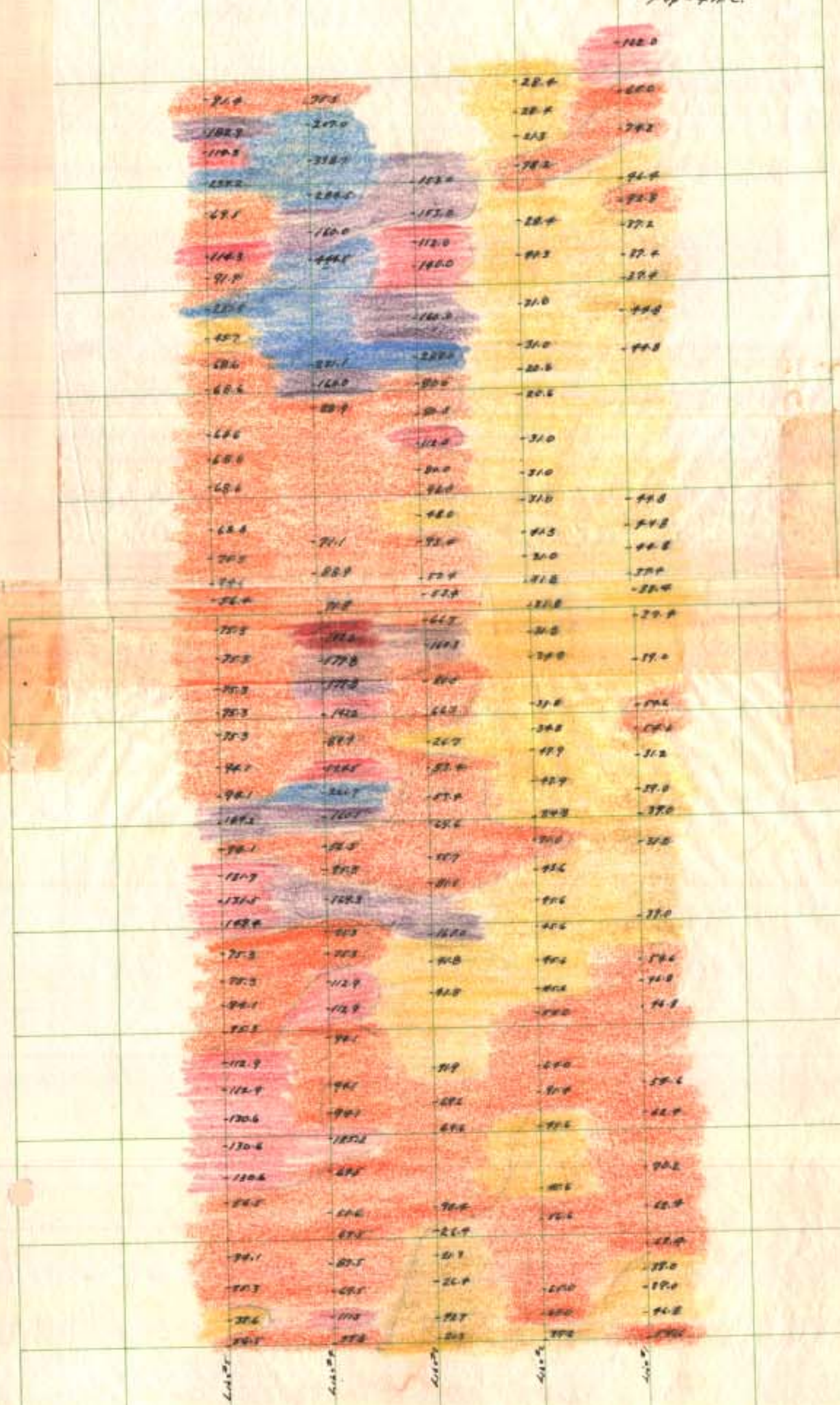
Sub-mining recorder

50 -
 50-100
 100-150
 150-200
 200+



West Bdy Peg # of M.C.

← 600' to Mill. Center →
Peg # of M.C.



MAP of GEOCHEMICAL SURVEY of PEG GROUP

Scale 1" = 100'

1 Feb 1955

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT

NO. 107 MAP #1