

3802

GEOCHEMICAL - GEOPHYSICAL REPORT

on the

RAM GROUP of CLAIMS

(WEWA 1 - 40)

located

16 miles west of Castlegar, B.C.

49° 17' North - 118° west

82 E / 8 E

TRAIL CREEK MINING DIVISION

August 1972

W.G. Botel, P. Eng.

Department of
Mines and Geotechnical Resources
Assessment Report
NO. 3802 MAP

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Introduction

Field work completed in the summer of 1971 showed a high Molybdenum stream silt anomaly at the headwaters of Big Sheep Creek. Forty claims were staked immediately to cover this anomaly.

Detailed work consisting of soil sampling and prospecting was commenced soon after staking.

Location

At the headwaters of Big Sheep Creek north of highway 3. Approximately 16 miles west of Castlegar and 4.6 miles south of Mt. Shields. Claims extend from Lat. $49^{\circ} 16' 12''$ to $49^{\circ} 18' 00''$ and from Long. $118^{\circ} 00' 48''$ to $117^{\circ} 59' 40''$.

Access

The south end of the Wewa claims is approximately one mile north of highway 3. Access is from the most northerly portion of the highway west of Big Sheep Creek crossing and thence through the bush in a northerly direction to the creek. The north end of the claim block terminates at the end of a disused logging road - a south branch off the main Shields Creek access road due south of Mr. Shields.

History

The area covered by the Wewa 1 - 40 mineral claims has no previous mining history. Previous work has been done just west of Mt. Shields (see Midas Group; Stevenson; pages 16 - 18; Molybdenum Deposits of British Columbia, B.C. Dept. of Mines. 1940) and is being done in the Rossland Camp.

Claims

R.M. Reininger is the registered owner of the Wewa 1 - 40 mineral claims staked by W.G. Botel October 8, 9 and 10, 1971. Recorded October 22, 1971 at Trail Creek Mining Recorder's office.

Geology

The area of concern is covered by the Preliminary Geological Map, Kettle River East Half by H.W. Little; Geological Survey of Canada, 1957. He shows a northeasterly trending contact of Paleocene? Coryell Intrusions composed of syenite and monzonite with Lower Cretaceous Nelson intrusions composed of non-porphyrific granite to granodiorite.

Field observations substantiate this as Quartz monzonites occur on the ridges at the extreme northern edge of the claim block while the more basic granodiorite is found to the south. However the valley of Big Sheep Creek, in the area covered by the claims, has extensive overburden thus only float rock is visible in the areas of high stream silts. Float of hornblende-biotite-feldspar gneiss as well as some dark green volcanic was found.

Fault lineaments can be picked out on the air photographs and it is likely that Big Sheep Creek follows one of the north-south lineaments. Other crosscutting lineaments running northeast and northwesterly occur in the northern section of the Wewa claims.

Field Work in 1971

A three man camp was set up on a tributary of Shields Creek to the north of the claim block during the second week in October, 1971 and the program of geochemistry started.

The 100 W and 70 W baselines were established along the north-south Wewa location lines. Stations were chained at 100 foot intervals commencing at 0+00 N station at the Wewa No. 1 & 21 initial posts and were numbered consecutively to 105 + 00 N. Samples were taken every 200 feet.

East-west lines were run by compass and chain between the 100W and 70W baselines at 1000 foot intervals up to 120 + 00 N. These lines were marked at every 100 foot station with the grid co-ordinates. Samples were taken at every 200 foot station where possible.

An attempt was made to sample the "B" horizon however generally shallow holes were dug with a mattock and in swamps organic samples were collected and so marked.

All samples were analysed for 4 elements; Cu-Mo-Zn-Ag. by Chemex Labs Ltd. of 212 Brooksbank Ave., North Vancouver, B.C. Assay procedure included within appendix.

Results were plotted on two maps; one with Cu/Mo, the other Zn/Ag. Only values of 1 ppm Mo or 0.5 ppm Ag or better were plotted.

Field Work November, 1971

A limited amount of detailed checking was carried out in **November, 1971.** This involved a small magnetometer and biogeochemical survey. The reason for the biogeochemical survey was to determine if it is a more sensitive indicator of molybdenum than soil sampling. Due to snow and weather conditions this project was abandoned after three days.

The biogeochemical survey was accomplished by removing 2nd year needles and twigs of spruce, balsam or pine (noting same) from each 100

foot station. These were submitted for assay of the Mo constituent to Chemex Labs Ltd. of North Vancouver. See appendix for method of analysis.

A Sharpe MF-2 fluxgate magnetometer was rented from Seigel Geophysics Ltd. of Vancouver. Readings were taken every 100 feet along E-W lines 500 feet apart. A daily variation correction was applied and the readings plotted. The accuracy of the survey is about 75 gammas.

Discussion of Results

Soil Samples; Copper

The area centering around 120N-70W has the highest consistent values in Cu. However the magnitude is not indicative of good copper mineralization though the overburden may have a masking effect. One value of 48 ppm is found at 40N-90W. The same area exhibits a biogeochem anomaly for Mo.

Molybdenum

Minor values of Mo are found on line 70N between 74W and 86W; 50N at 88-90W and the highest value - 8ppm at 40N-90W. These values may indicate an approximate north by east strike of mineralization along the valley.

Zinc

Contouring shows a general low striking N 20 E with the highs on both sides. The highs may represent a zinc dispersal pattern in which case the Mo mineralization should occur within the zinc low.

Silver

Only a few samples ran over 0.5 ppm. The area encompassed by

lines 40N and 70N and lines 100W and 70W contains the silver values. The highs occur within the zinc low and may indicate mineralization.

Biogeochemistry

Molybdenum

A weak but broad anomaly is outlined between 35N and 45N; 95W and 89W. This anomaly occurs 500 feet upstream from the highest Mo stream silt value obtained in the reconnaissance survey. While the biogeochem anomaly is weak the values are consistent and are contourable with some degree of certainty.

Magnetometer Survey

The maximum variation found was 1050 gammas. Several linear N-S zones were found but a much larger coverage will be necessary for interpretal results.

General Discussion

The apparent discontinuity between earlier silt values for Mo and soil values for Mo is hard to reconcile. A possibility exists that the silt has scavenged Mo to give an inflated value to the Mo stream silts. Another possibility is that groundwater carrying Mo is draining into the stream by some underground channel not in contact with the overlying soils.

Conclusions

No target area has been delimited i.e. the cause of the high Mo stream silts has not been found.

Areas of higher than normal values in Cu, Mo, Zn, and Ag, have been found but a more definitive coverage will be necessary to

properly assess the potential of the property.

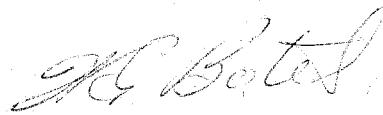
Biogeochemistry appears to give a more definite anomaly though this may be due to the closer spacing of samples.

The magnetometer does show a variation in magnetic intensity and would be useful for geologic interpretations.

Recommendations

Further biogeochemistry and magnetometer surveys to be run on a 200 foot square grid on both sides of Big Sheep Creek from 0N to 120N and from 100W to the 70W baselines.

Geologic mapping as necessary.



W. G. BOTEL, P.Eng.

APPENDIX I

Statement of Qualifications of Geochemical/Geophysical Operators.

M. WEBB

While a student at the University of British Columbia M. Webb worked in mining exploration during the summer.

1968 - Rio Tinto Co. Geochemistry and Geophysics.

1969 - Agilis Exploration. Geochemistry.

1970 - West Coast Mining & Exploration. Geochemistry and Geophysics.

1971 - West Coast Mining & Exploration. Geochemistry and Geophysics.

T. Walker

A student of the University of British Columbia. Working with mine exploration parties during summer months.

1971 - West Coast Mining & Exploration. Silt and soil sampling assistant.

DOMINION OF CANADA:
 PROVINCE OF BRITISH COLUMBIA.
 TO WIT:

In the Matter of Geochemical and geophysical surveys on the RAM GROUP (Wewa 1-40) of mineral claims in the Trail Creek Mining Division.

I, **W.G. Botel**

of **North Vancouver,**

in the Province of British Columbia, do solemnly declare that the following is an accurate statement of the expenses incurred in relation to the geochemical and geophysical surveys carried out on the RAM GROUP (Wewa 1-40) of claims approximately 16 miles west of Castlegar in the Trail Creek Mining Division from October 9, 1971 to November 19, 1971.

Wages and salaries;

W.G. Botel, P.Eng.	Oct. 11 - 15 field		
	Oct. 18 - 19 office	12 days at \$50.00	\$600.00
	Nov. 2 - 5 field		
	Nov. 18 office		
H. Veerman, P.Eng.	Oct. 18 office		
	Nov. 2 - 5 field	6 days at \$60.00	\$360.00
	Nov. 19 office		
M. Webb, soil sampler	Oct. 9 - 21 field	13 days at \$20.00	\$260.00
T. Walker, soil sampler	Oct 9 - 21 field	13 days at \$18.00	\$234.00

Expenses;

W.G. Botel, P.Eng.	Board-Oct 11 - 15	5 days at \$7.00	\$35.00
	Nov. 2 - 5	4 days at \$15.00 Motel/meals	\$60.00
H. Veerman, P.Eng.	Nov. 2 -5	4 days at \$15.00 Motel/meals	\$60.00
M. Webb,	Oct. 9 - 21	13 days at \$7.00	\$91.00
T. Walker,	Oct, 9 - 21	13 days at \$7.00	\$91.00
Vehicle rental	1/2 month at \$300.00		\$150.00
Vehicle rental	1 week at \$75.00		\$75.00
Oil, gas and repairs			\$150.00
Magnetometer rental			\$150.00
Assaying	soils, 330 at \$2.00		\$660.00
	biogeochems, 56 at \$2.00		\$112.00

Total \$3,088.00

A total of \$3000.00 is claimed for assessment work.

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the
 of _____, in the
 Province of British Columbia, this
 day of _____, A.D.

W.G. Botel

R. Hughes

A Commissioner for taking Affidavits for British Columbia or
 A Notary Public in and for the Province of British Columbia.

APPENDIX II

Assaying procedure as used by CHEMEX LABS LTD.

West Coast Mining & Exploration Ltd.,

GEOCHEMICAL PREPARATION
AND
ANALYTICAL PROCEDURES

1. Geochemical samples (soils, silts) are dried at 80°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.
2. A 0.50 gram portion of the sample is weighed into a calibrated test tube. The sample is digested using hot 70% HClO₄ and concentrated HNO₃. Digestion time 2 - 3 hours.
3. Sample volume is adjusted to 25mls. using demineralized water. Sample solutions are homogenized and allowed to settle before being analyzed by atomic absorption procedures.
4. Detection limits using Techtron A.A.5 atomic absorption unit.
 - Copper - 0.5 ppm
 - Molybdenum - 1 ppm
 - Zinc - 0.5 ppm
 - Silver - 0.2 ppm

August 28, 1972

West Coast Mining and Exploration Ltd.

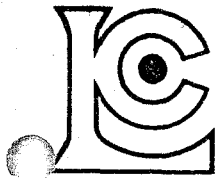
BIOGEOCHEMICAL PREPARATION
AND
ANALYTICAL PROCEDURES

1. Biochemical samples (twigs and needles of various species of trees) are dried at 60°C for a duration of 24 to 48 hours. The dried samples are ground to -20 mesh by a "Wiley Mill".
2. A 2.000 gram portion of the sample is weighed into a 400 ml. beaker. The sample is digested in hot HNO₃ until transparent and then hot HClO₄ to dryness. Digestion time 3 - 4 hours.
3. The sample is dissolved in 5 ml. 10% HCl, decanted into 13 X 100 mm test tubes and analyzed by atomic absorption procedures.
4. Detection limits using Techtron A-A-5 atomic absorption unit are:

Copper	25 ppb
Molybdenum	50 ppb
Zinc	25 ppb
Silver	10 ppb

APPENDIX III

Geochemistry, Biogeochemistry Assay Reports.



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NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648

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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

CERTIFICATE NO. 16768

INVOICE NO. 6343

DATE RECEIVED Oct. 12/71

DATE ANALYSED Oct. 15/71

ATTN: Mr. H. Veerman

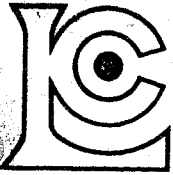
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
23046	24	1	46	< 0.5	100W - 16N
23047	12	0	78	< 0.5	18N
23048	12	0	58	0.5	30N
23049	14	0	83	< 0.5	32N
23050	18	2	98	< 0.5	24N
23051	16	0	68	< 0.5	26N
23052	20	2	92	0.5	28N
23053	30	2	110	0.5	30N
23054	16	0	83	0.5	32N
23055	16	1	56	< 0.5	34N
23056	33	1	83	< 0.5	36N
23057	20	0	78	< 0.5	38N
23058	18	1	53	0.5	40N
23059	18	3	38	< 0.5	42N
23060	14	2	80	< 0.5	44N
23061	18	0	63	< 0.5	46N
23062	14	0	46	< 0.5	48N
23063	16	0	58	0.5	50N
23064	64	1	68	< 0.5	52N
23065	18	0	182	< 0.5	54N
23066	96	2	142	1.5	56N
23067	36	1	107	1.0	58N
23068	31	1	127	1.0	60N
23069	62	1	210	0.5	62N
23070	63	0	292	0.5	64N
23071	20	0	282	0.5	66N
23072	26	1	116	0.5	68N
2 3073	12	0	100	< 0.5	70N
23074	20	0	150	< 0.5	72N
23075	24	0	204	< 0.5	74N
23076	28	0	247	< 0.5	76N
23077	10	0	58	< 0.5	78N
23078	22	1	83	< 0.5	80N
23079	30	1	83	< 0.5	82N
23080	52	2	113	1.0	84N
23081	24	0	89	0.5	86N
23082	18	0	92	< 0.5	88N
23083	14	0	150	< 0.5	90N
23084	20	0	98	< 0.5	92N
23085	10	0	100	< 0.5	94N
Std. #24	56	16	72	< 0.5	



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CERTIFICATE NO. 16769
INVOICE NO. 6343
DATE RECEIVED Oct. 12/71
DATE ANALYSED Oct. 15/71

ATTN: Mr. H. Veerman

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
23086	14	0	86	< 0.5	100W - 96N
23087	8	0	58	< 0.5	98N
23088	10	0	116	< 0.5	100N
23089	14	0	100	0.5	103N
23090	10	0	150	< 0.5	104N
23091	12	0	113	< 0.5	106N
23092	14	0	177	< 0.5	108N
23093	12	0	134	< 0.5	110N
23094	22	0	158	1.0	112N
23095	16	0	70	1.0	114N
23096	13	0	68	< 0.5	116N
23097	8	0	70	< 0.5	118N
23098	13	0	92	< 0.5	120N
23099	13	0	95	< 0.5	71W 0N
23100	10	0	98	0.5	81N



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WEGA claim
line soils

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DATE RECEIVED Oct. 12/71

DATE ANALYSED Oct. 15/71

ATTN: Mr. H. Veerman

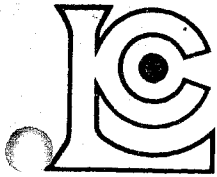
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
20696	18	0	187	< 0.5	71N - 4N
20697	14	0	224	< 0.5	- - 6N
20698	14	0	138	< 0.5	8N
20699	16	0	113	< 0.5	10N
20700	16	0	72	< 0.5	12N
20801	14	0	98	< 0.5	14N
20802	12	0	116	< 0.5	16N
20803	21	0	98	< 0.5	18N
20804	13	0	134	< 0.5	20N
20805	28	0	100	< 0.5	22N
20806	13	0	116	< 0.5	24N
20807	18	0	36	< 0.5	26N
20808	12	0	150	< 0.5	28N
20809	20	0	120	< 0.5	30N
20810	14	1	68	< 0.5	32N
20811	14	3	32	< 0.5	34N
20812	7	0	30	< 0.5	36N
20813	24	0	327	< 0.5	38N
20814	14	0	197	< 0.5	40N
20815	16	1	110	< 0.5	42N
20816	16	0	104	< 0.5	44N
20817	8	0	63	< 0.5	46N
20818	12	0	83	< 0.5	48N
20819	20	0	86	< 0.5	50N
20820	28	0	162	< 0.5	52N
20821	12	0	92	< 0.5	54N
20822	20	0	100	< 0.5	56N
20823	14	0	70	< 0.5	58N
20824	12	0	56	< 0.5	60N
20825	18	2	100	< 0.5	62N
20826	13	0	70	< 0.5	64N
20827	51	0	142	< 0.5	66N
20828	20	0	150	< 0.5	68N
20829	18	0	158	< 0.5	70N
20830	20	0	134	< 0.5	72N
20831	28	1	154	< 0.5	74N
20832	18	0	107	< 0.5	76N
20833	14	0	34	< 0.5	78N
20834	8	0	30	< 0.5	80N
20835	7	0	36	< 0.5	82N
Std. #24	54	16	72	< 0.5	



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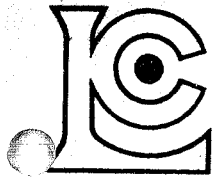
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
20837	8	0	40	< 0.5	71W - 86N
20838	12	0	83	< 0.5	88N
20839	24	2	86	< 0.5	90N
20841	10	0	68	< 0.5	94N
20842	13	0	134	< 0.5	96N
20843	14	0	123	< 0.5	98N
20844	18	0	150	< 0.5	100N
20845	18	0	92	< 0.5	102N
20846	10	1	138	< 0.5	104N
20847	21	1	282	0.5	106N
20848	12	0	107	< 0.5	108N
20849	26	1	146	< 0.5	110N
20850	20	0	120	< 0.5	112N
20851	40	0	116	< 0.5	114N
20852	22	0	110	< 0.5	116N
20853	48	0	158	< 0.5	118N
20854	48	0	127	< 0.5	120N
20855	60	0	172	< 0.5	122N
20856	62	0	134	< 0.5	124N
20857	40	0	142	< 0.5	126N
20858	42	0	150	< 0.5	128N
20859	22	0	123	< 0.5	130N
20860	26	0	127	< 0.5	132N
20861	8	0	21	< 0.5	134N
20862	24	0	116	< 0.5	136N
20863	22	2	138	< 0.5	138N
20864	12	0	51	< 0.5	140N
20865	28	0	142	< 0.5	142N
20866	8	0	36	< 0.5	144N
20867	21	5	177	< 0.5	146N
20868	13	0	116	< 0.5	148N
20869	20	0	158	< 0.5	150N
23038	20	0	113	< 0.5	100W 0N
23039	16	0	83	< 0.5	2N
23040	16	0	65	< 0.5	4N
23041	16	0	83	< 0.5	6N
23042	34	3	116	0.5	8N
23043	33	1	167	< 0.5	10N
23044	16	0	72	< 0.5	12N
23045	30	0	75	0.5	14N
Std. #24	56	16	75	< 0.5	



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TO: West Coast Mining & Exploration Ltd.,
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ATTN: Mr. H. Veerman

CERTIFICATE NO. 16798
INVOICE NO. 6377
DATE RECEIVED Oct. 15/71
DATE ANALYSED Oct. 20/71

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
22209	18	0	89	< 0.5	10N - 84W
22210	13	0	116	< 0.5	82W
22211	12	0	120	< 0.5	80W
22212	10	0	100	< 0.5	78W
22213	13	0	80	< 0.5	76W
22214	16	0	86	< 0.5	74W
22215	6	0	78	< 0.5	72W
22216	10	0	142	< 0.5	GN - 72W
22217	13	0	104	< 0.5	74W
22218	10	0	110	< 0.5	76W
22219	7	0	86	< 0.5	78W
22220	8	0	110	< 0.5	80W
22221	8	0	100	< 0.5	82W
22222	12	0	100	< 0.5	84W
22223	12	0	80	< 0.5	86W
22224	7	1	53	< 0.5	88W
22225	10	0	83	< 0.5	90W
22226	13	0	58	< 0.5	92W
22227	16	0	89	< 0.5	94W
22228	13	0	68	< 0.5	96W
22229	14	0	78	< 0.5	98W
22321	3	0	49	< 0.5	SILTS above prev. sampled area west of Mancy Green Lake
22322	3	0	83	< 0.5	
22323	21	1	70	< 0.5	
22324	3	0	53	< 0.5	
22325	6	0	75	< 0.5	
STd. #24	52	17	75	< 0.5	



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North Vancouver, B. C.

ATTN: Mr. H. Veerman

SAMPLE NO.:		PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
20784	78W 30N	10	0	83	< 0.5	
20785	76	20	0	134	< 0.5	
20786	74	14	0	138	< 0.5	
20787	72	13	0	239-	< 0.5	
20788	72W 20N	6	0	75	< 0.5	
20789	74	7	0	70	< 0.5	
20790	76	12	0	95	< 0.5	
20791	78	8	0	72	< 0.5	
20792	80	8	0	113	< 0.5	
20793	82	7	0	80	< 0.5	
20794	84	10	0	100	< 0.5	
20795	86	16	0	204.	< 0.5	
20796	88	16	0	192	< 0.5	
20797	90	14	0	172	< 0.5	
20798	92	16	0	162	< 0.5	
20799	94	14	0	134	< 0.5	
20800	96	41	2	162	< 0.5	
21520		22	0	134	< 0.5	SILTS. Drainage into from end of WEWA claims.
21521		14	0	98	< 0.5	
21522		14	0	92	< 0.5	
21523		24	0	83	< 0.5	
21524		14	0	70	< 0.5	
21525		12	2	89	< 0.5	
21526		14	0	70	< 0.5	
21527		14	0	75	< 0.5	
21528		14	0	65	< 0.5	
21529		12	0	63	< 0.5	
21530		12	0	68	< 0.5	
21531		8	0	70	< 0.5	
21532		12	0	65	< 0.5	
21533		8	0	95	< 0.5	
21534		16	0	89	< 0.5	
22201		48-	4-	83	1.0	20N - 98W 200' to 20N
22202		16	0	113	< 0.5	10N - 98W
22203		28	0	78	< 0.5	96W
22204		20	3	92	< 0.5	94W
22205		24	0	150	< 0.5	92W
22206		18	0	107	< 0.5	90W
22207		12	0	86	< 0.5	88W
22208		14	0	98	< 0.5	86W
Std. #24		54	16	72	< 0.5	



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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

CERTIFICATE NO. 16918
INVOICE NO. 6468
DATE RECEIVED Nov. 2/71
DATE ANALYSED Nov. 4/71

ATTN: Mr. H. Veerman

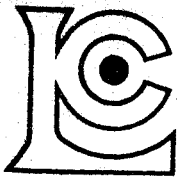
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
22272	21	0	153	< 0.5	40 N - 86 W
22273	20	0	123	< 0.5	84 W
22274	13	0	126	< 0.5	82 W
22275	13	0	120	< 0.5	80 W
22276	13	0	90	< 0.5	78 W
22277	26	0	163	< 0.5	76 W
22278	21	0	285	< 0.5	74 W
22279	18	0	220	< 0.5	72 W
22280	8	0	63	< 0.5	50 N - 72 W
22281	20	0	173	< 0.5	74 W
22282	20	0	87	< 0.5	76 W
22283	10	0	63	< 0.5	78 W
22284	22	0	140	< 0.5	80 W
22285	26	0	63	< 0.5	82 W
22286	10	0	50	< 0.5	84 W
22287	24	3	74	< 0.5	86 W across Power Pond to S
22288	16	0	90	< 0.5	88 W end of line 200' S end lake
22289	14	0	120	< 0.5	60 N 72 W 150' S end lake
22290	14	0	123	< 0.5	74 W
22291	18	0	104	< 0.5	76 W
22292	31	0	87	0.5	78 W
22293	13	0	87	< 0.5	80 W
22294	22	1	107	< 0.5	82 W hits road lake
22326	8	7	44	< 0.5	Creek silts
22327	8	0	50	< 0.5	
22328	22	0	90	< 0.5	
22329	21	1	90	< 0.5	
22330	20	1	93	< 0.5	
22331	24	1	82	< 0.5	
22332	30	3	98	< 0.5	
22333	20	0	82	< 0.5	
22334	18	0	93	< 0.5	
22335	21	0	104	< 0.5	
22336	64	0	390	< 0.5	
22337	36	0	368	0.5	
22338	21	0	200	< 0.5	
22339	18	0	183	< 0.5	
22340	18	0	183	< 0.5	
22341	10	0	76	< 0.5	
22342	12	0	101	< 0.5	
Std. #24	52	16	76	< 0.5	

CREEK DRAINAGE



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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 16917

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

WENA SOILS
PLUS
SILTS from.

INVOICE NO. 6468

DATE RECEIVED Nov. 2/71

DATE ANALYSED Nov. 4/71

ATTN: Mr. H. Veerman

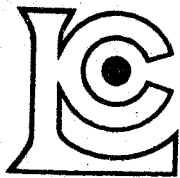
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver	
22230	33	0	163	< 0.5	80 N - 98 W
22231	21	0	46	< 0.5	- 96 W
22232	20	0	133	< 0.5	94 W
22233	28	0	74	< 0.5	92 W
22234	16	0	57	< 0.5	90 W
22235	24	0	130	< 0.5	88 W
22236	20	0	82	< 0.5	86 W
22237	24	0	71	< 0.5	84 W
22238	14	0	57	< 0.5	82 W
22239	14	0	87	< 0.5	80 W
22240	21	0	87	< 0.5	78 W
22241	13	0	36	< 0.5	76 W
22242	18	0	107	< 0.5	74 W @ 71 W @ 77 W. also 30' too far.
22243	28	0	163	< 0.5	70 N 72 W
22244	31	3	220	< 0.5	74 W
22245	44	2	126	0.5	76 W
22246	14	1	63	< 0.5	78 W
22247	30	5	117	1.0	80 W
22248	20	2	120	0.5	82 W
22249	20	1	234	0.5	84 W
22250	14	0	138	< 0.5	86 W
22251	24	0	76	< 0.5	88 W
22252	16	0	66	< 0.5	90 W
22253	30	0	98	< 0.5	92 W
22254	28	0	153	< 0.5	94 W
22255	21	1	178	< 0.5	96 W @ line hits 100' line at 97 W
22256	22	0	149	< 0.5	LO N @ 71 + 50 N.
22257	10	0	63	< 0.5	96 W
22258	13	0	90	< 0.5	94 W
22259	21	0	140	0.5	92 W
22260	14	0	74	1.0	90 W. hits end of hole
22261	21	6	95	< 0.5	50 N 90 W
22262	20	0	87	1.0	92 W
22263	16	0	78	1.0	94 W
22264	20	0	117	0.5	96 W
22265	14	0	145	< 0.5	98 W line ends 100' hole for east
22266	20	0	74	< 0.5	40 N 96 W @ 50' to far south
22267	14	3	104	< 0.5	96 W
22270	48	8	104	1.5	90 W
22271	14	1	87	< 0.5	88 W
Std. #24	52	16	71	< 0.5	



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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

CERTIFICATE NO. 16796
INVOICE NO. 6377
DATE RECEIVED Oct. 15/71
DATE ANALYSED Oct. 20/71

ATTN: Mr. H. Veerman

SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver		
20742	12	0	187	< 0.5	96W	110N
20743	7	0	60	< 0.5	98	↓
20744	8	0	95	< 0.5	82W	120N
20746	10	0	134	< 0.5	98W	100N
20747	14	0	110	< 0.5	96	↓
20748	30	0	130	< 0.5	94	↓
20749	31	0	247	< 0.5	92	↓
20750	16	0	231	< 0.5	90	↓
20751	22	0	197	< 0.5	88	↓
20752	21	0	130	< 0.5	86	↓
20753	14	0	72	< 0.5	84	↓
20754	10	0	80	< 0.5	82	↓
20755	12	0	282	< 0.5	80	↓
20756	16	0	231	< 0.5	78	↓
20757	12	0	86	< 0.5	76	↓
20758	6	0	49	< 0.5	74	↓
20759	12	0	107	< 0.5	72	↓
20760	10	0	146	< 0.5	72W	90N
20761	8	0	58	< 0.5	74	↓
20763	8	0	113	< 0.5	78	↓
20764	10	0	127	< 0.5	80	↓
20765	36	0	138	< 0.5	82	↓
20766	22	2	116	< 0.5	84	↓
20767	8	0	83	< 0.5	86	↓
20768	8	0	98	< 0.5	88	↓
20769	40	0	134	< 0.5	90	↓
20770	33	0	204	< 0.5	92	↓
20771	31	0	255	< 0.5	94	↓
20772	13	0	172	< 0.5	96	↓
20773	6	1	116	< 0.5	98	↓
20774	12	1	60	< 0.5	98W	30N
20775	14	0	63	< 0.5	96	↓
20776	13	0	92	< 0.5	94	↓
20777	16	0	78	< 0.5	92	↓
20778	24	0	78	< 0.5	90	↓
20779	14	0	146	< 0.5	88	↓
20780	10	0	98	< 0.5	86	↓
20781	18	0	231	< 0.5	84	↓
20782	12	0	113	< 0.5	82	↓
20783	21	0	340	< 0.5	80	↓
Std. #24	52	16	75	< 0.5		



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Alan Amoretti



WEWA Grid Soils

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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

CERTIFICATE NO. 16795
INVOICE NO. 6377
DATE RECEIVED Oct. 15/71
DATE ANALYSED Oct. 20/71

ATTN: Mr. H. Veerman

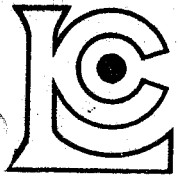
SAMPLE NO.:	PPM Copper	PPM Molybdenum	PPM Zinc	PPM Silver		
20701	8	0	42	< 0.5	100W	122N
20702	10	0	65	< 0.5		124
20703	16	0	98	< 0.5		126
20704	33	0	21	< 0.5		128
20705	24	0	22	< 0.5		130
20706	22	0	46	< 0.5	100W	132
20707	14	0	134	< 0.5		134
20708	28	0	158	< 0.5		136
20709	13	0	56	< 0.5		138
20710	16	0	95	< 0.5		140
20711	16	0	75	< 0.5	100W	142
20712	12	0	65	< 0.5		144
20713	14	0	142	< 0.5		146
20714	16	0	63	< 0.5		148
20715	18	0	34	< 0.5		150
20716	20	0	95	< 0.5	98W	120N
20717	31	0	60	< 0.5	96	
20718	16	0	56	< 0.5	94	
20719	20	0	116	< 0.5	92	
20720	14	0	80	< 0.5	90	
20721	6	0	49	< 0.5	88	120N
20722	12	0	83	< 0.5	86	
20723	18	0	92	< 0.5	85	
20724	18	0	72	< 0.5	83	
20725	24	0	95	< 0.5	80	
20726	42	0	120	< 0.5	78	120N
20727	28	0	95	< 0.5	76	
20728	6A	0	142	< 0.5	74	
20730	21	0	158	< 0.5	72	110N
20731	13	0	127	< 0.5	74	
20732	14	0	134	< 0.5	76	
20733	14	0	116	< 0.5	78	
20734	22	0	134	< 0.5	80	
20735	24	0	127	< 0.5	82	
20736	20	0	83	< 0.5	84	
20737	20	0	89	< 0.5	86	
20738	10	0	58	< 0.5	88	
20739	12	0	83	< 0.5	90	
20740	14	0	138	< 0.5	92	
20741	10	0	68	< 0.5	94	
Std. #24	52	16	72	< 0.5		



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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B.C.

CERTIFICATE NO. 17963

INVOICE NO. 6531

DATE RECEIVED Nov. 8/71

DATE ANALYSED Nov. 18/71

ATTN: Mr. H. Veerman

Biogeochem

SAMPLE NO.:	PPB	Molybdenum		
21535	500	30 N - 94W	Big Spruce	at creek
21536	300	93W	Spruce	
21537	250	92W	S.	
21538	300	91W	Med. S.	
21539	200	90W	20' Spruce	
21540	200	89W	20' S.	
21541	350	88W	60' S.	
21542	250	35N - 88W	30' S.	
21543	250	89W	20' S.	
21544	200	90W	8' S.	
21545	150	91W	35' Balsam	
21546	400	92W	60' Spruce	
21547	150	93W	50' S.	
21548	400	94W	40' S.	
21549	500	95W	50' S. on creek bank, 50' from previous sample	
21550	250	96W	mixed small spruce & balsam	
21551	500	97W	small balsam	
21552	400	98W	small S.	
21553	500	99W	20' Balsam	
21554	400	100W	60' Balsam in small drainage trickle	
21555	400	30N - 100W	40' Spruce	
21556	450	99W	60' S.	
21557	250	98W	60' S.	
21558	300	97W	10-15' S.	
21559	350	96W	Small b.	
21560	300	95W	small b.	
21561	350	45N - 100W	small b.	
21562	200	99W	med. b. (hill!)	
21563	400	98W	med. b. (hill!)	
21564	300	97W	med. S.	
21565	150	96W	Big S.	
21566	300	95W	Small S.	
21567	500	94W	med. balsam (flat)	
21568	750	93W	Big S. (flat)	
21569	600	92W	med. S. (flat)	
21570	250	91W	Big S. (flat)	
21571	550	90W	Big b. (flat)	
21572	400	89+90W	Very big S. next to creek	
21573	350	88W	Big S. (flat after 20' rise out of cr.)	
21574	300	87W	Big S. (flat)	



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CERTIFICATE OF ANALYSIS

TO: West Coast Mining & Exploration Ltd.,
205 - 122 E. 14th St.,
North Vancouver, B. C.

CERTIFICATE NO. 17964

INVOICE NO. 6531

DATE RECEIVED Nov. 8/71

ATTN: Mr. H. Veerman

Biogeochem

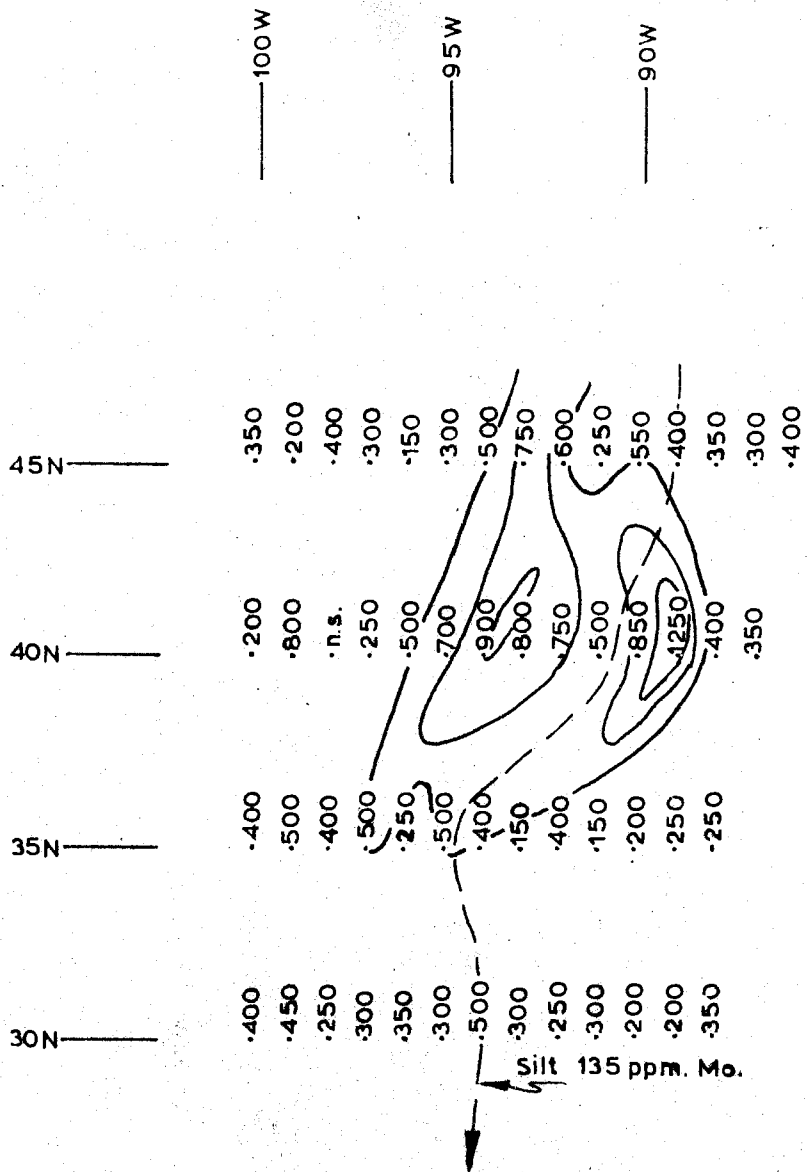
DATE ANALYSED Nov. 18/71

SAMPLE NO.:	PPB	Molybdenum	
21575	400	86W-45N	med. balsam
21576	350	87W-40N	med. S. (fairly steep hill)
21577	400	88W	Big S. (less steep)
21578	1250	89W	Big S (flat)
21579	850	90W	med. balsam (flat)
21580	500	91W	Big S. (just w. of cr.)
21581	750	92W	Med. S. (flat)
21582	800	93W	Big S. (flat)
21583	900	94W	Big S. (flat)
21584	700	95W	Big S (flat)
21585	500	96W	8 ft. square (beginning of rise)
21586	250	97W	Med. S. (sloping slightly)
21588	800	99W	Big S. (slope)
21589	200	100W-40N	med balsam (slope)
23434	600	98E-68N	balsam Deer Park!
23441	250	98E-61N	Pine "



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Department of
Mines and Petroleum Resources

ASSESSMENT REPORT

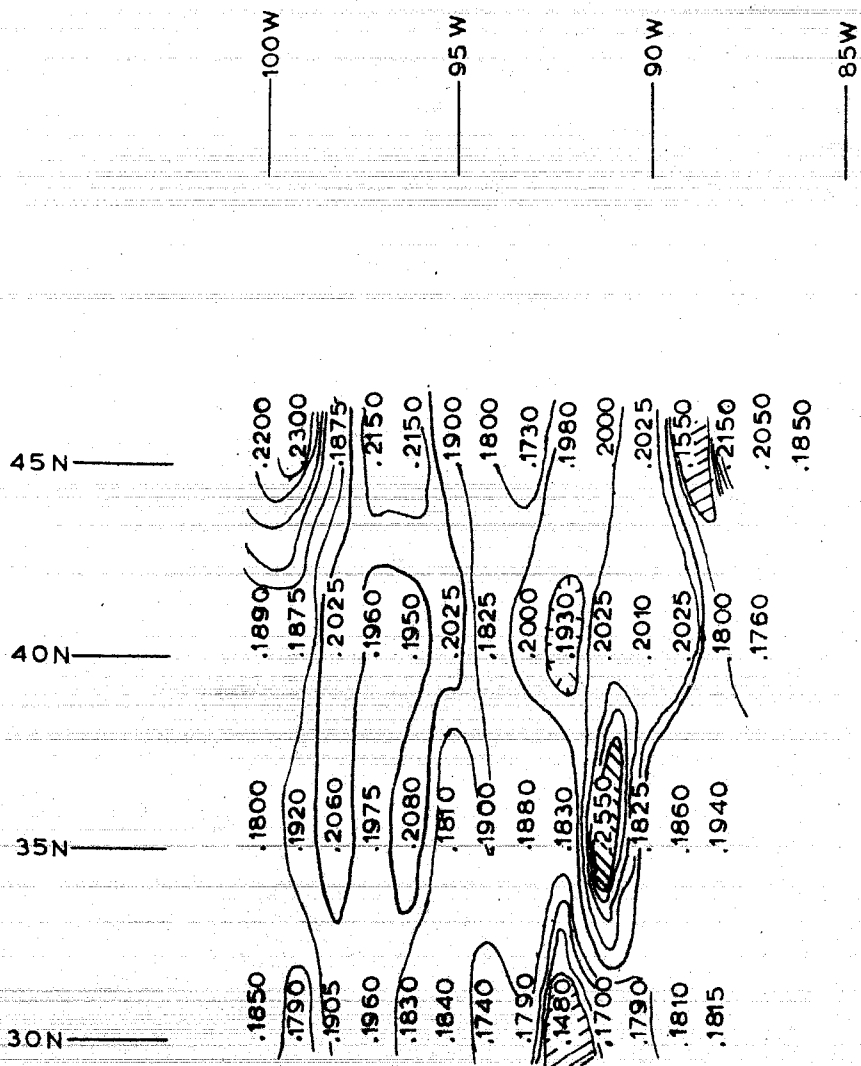
NO. **3802** MAP **#1**

RAM PROPERTY

BIOGEOCHEMISTRY

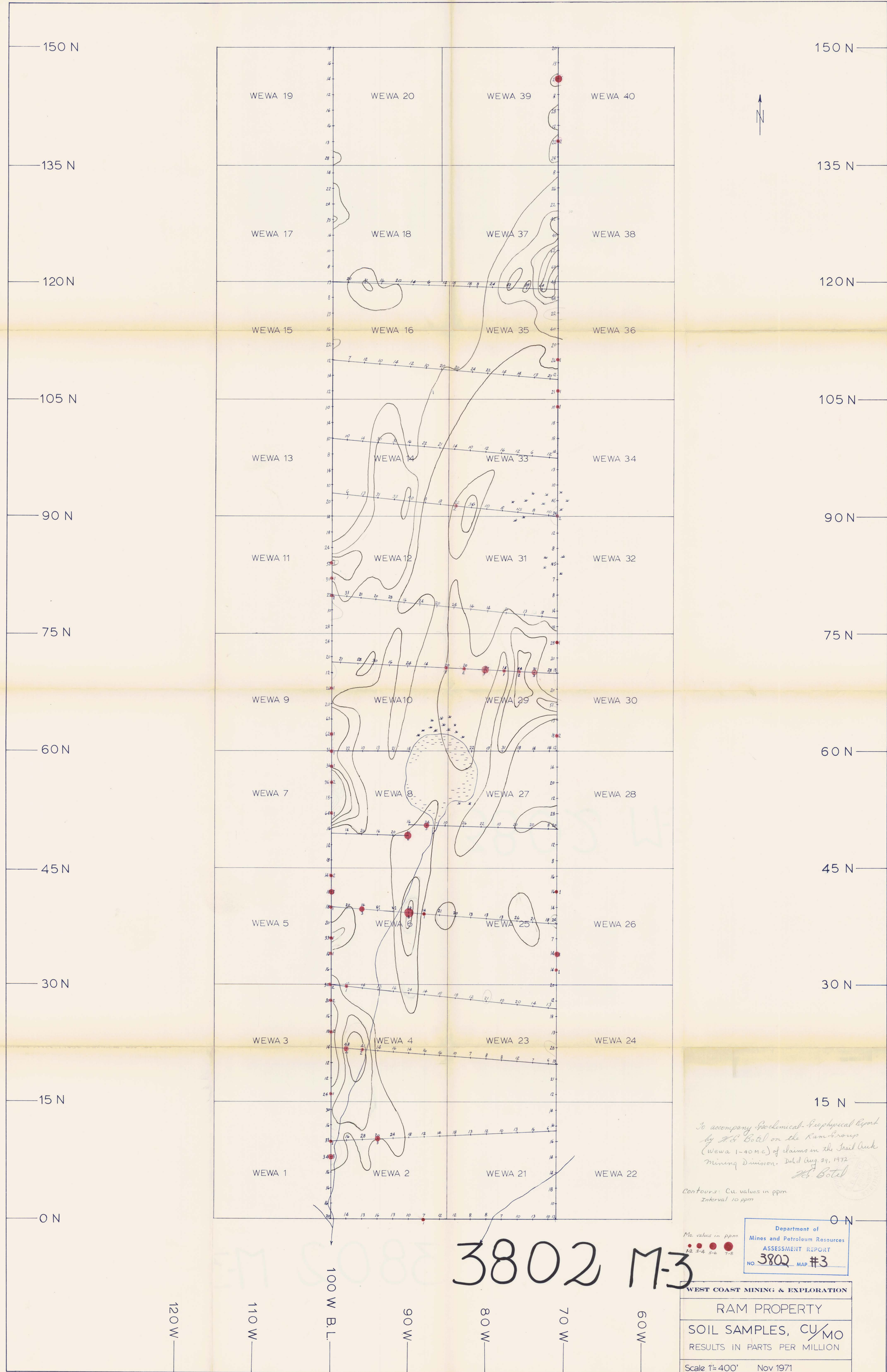
Mo in ppb.

Scale 1"= 500' November, 1971



Department of
 Geological Resources
 REPORT
3802 MAP **#2**

RAM PROPERTY
MAGNETOMETER SURVEY
 Uncorrected Values in Gammas
 Scale 1" = 500' November, 1971



To accompany Geochemical-Geophysical Report
 by H.B. Botel on the Ram Group
 (Wewa 1-40 M.C.) of claims in the Trail Creek
 Mining Division. Dated Aug. 29, 1972
 H.B. Botel

Contours: Cu values in ppm
 Interval 10 ppm

No. values in ppm
 1-2 3-4 5-6 7-8

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3802 MAP #3

WEST COAST MINING & EXPLORATION
 RAM PROPERTY
 SOIL SAMPLES, CU/MO
 RESULTS IN PARTS PER MILLION
 Scale 1"= 400' Nov 1971

3802 M-3

120 W

110 W

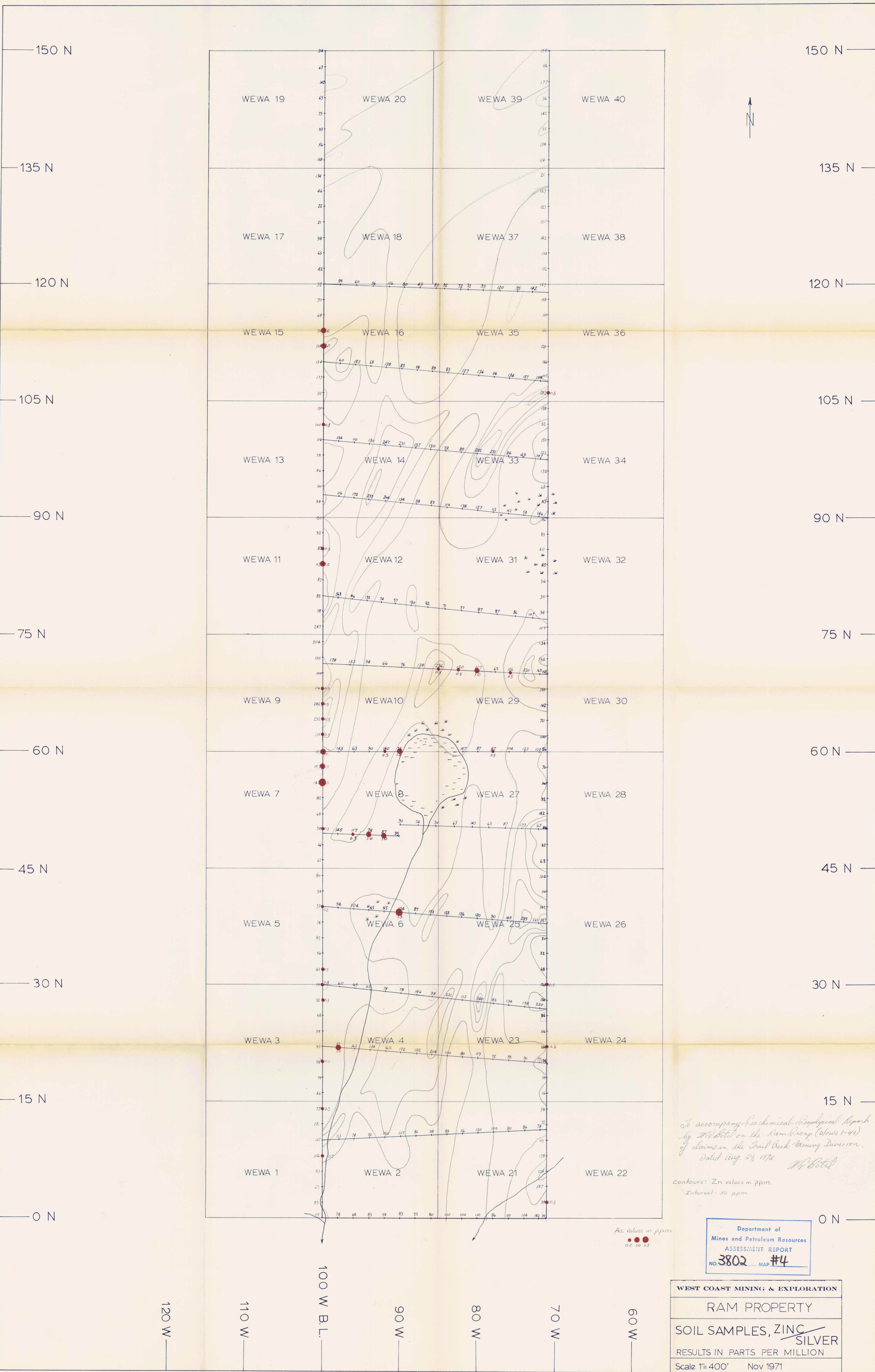
100 W B.L.

90 W

80 W

70 W

60 W



To accompany Geochemical, Petrological Report
 by J.F. Botta on the Ram Group (Wevas 1-40)
 of claims in the Trail Creek Mining Division,
 Dated Aug. 29, 1972 J.F. Botta

Contours: Zn values in ppm.
 Interval - 50 ppm.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3802 MAP #4

WEST COAST MINING & EXPLORATION
 RAM PROPERTY
 SOIL SAMPLES, ZINC / SILVER
 RESULTS IN PARTS PER MILLION
 Scale 1" = 400' Nov 1971