



DATE . . . December 29., 1980 . . . .

Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources

*Capoose Lake*  
*93F/6W 93F02*  
**881563**

SAMPLE RECEIVED FROM . . . . . T. SCHROETER . . . . .

ADDRESS . . . . . Box 877, Smithers, B. C. . . . .

WHOLE ROCK <input checked="" type="checkbox"/>		SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS						
DIFFRACTION <input type="checkbox"/>		(IN PER CENT)						
LABORATORY NO.:	24464M							
SUBMITTER'S MARK:	CAP-80-19							
Si	>10.0							
Al	>10.0							
Mg	0.2							
Ca	2.0							
Fe	10.0							
Pb	0.1							
Cu	0.3							
Zn	-							
Mn	>>10.0							
Ag	↑↑↑							
V	T							
Ti	0.1							
Ni	T							
Co	T							
Na	-							
K	-							
Mo	0.02							
Y	0.05							
Yb	0.01							
TRACES:	Zr, Cr, Ba, Sc							

DEPT. OF MINES  
 AND PETROLEUM RESOURCES  
 JAN 7 1981  
 SMITHERS, B. C.

*Wm Johnson*  
 CHIEF ANALYST

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**Province of British Columbia**  
**Ministry of Energy, Mines and Petroleum Resources**

SAMPLE RECEIVED FROM ..... T. SCHROETER .....

ADDRESS ..... Box 877, Smithers, B. C. ....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
24464M	CAP-80-19	<p><u>XRD Report</u></p> <p>The garnet gave a diffraction pattern grossly resembling that of synthetic spessartine but with a smaller unit cell size. Assuming the Emission Spec data are accurate with respect to the Ca and Fe contents and that all Fe occurs in the ferrous state, the derived garnet composition compatible to both the X-ray diffractometry and Emission Spec data is <math>Sp_{63}Al_{29}Gr_8</math> where Sp = spessartine, Al = almandine, Gr = grossular. The small amount of Mg detected indicates that the pyrope end member is present too. However, it is likely that it occurs in less than 1.5 mole % and is consequently ignored in the calculation of the chemical formula for the garnet submitted.</p> <p><i>GARNET</i></p> <p><i>- 'garnetized' rhyolite</i></p> <div data-bbox="1136 1347 1554 1668" style="border: 2px solid black; padding: 5px; transform: rotate(-5deg);"> <p>DEPT. OF MINES AND PETROLEUM RESOURCES Rec'd JAN 7 1981 SMITHERS, B. C.</p> </div>

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*W. M. G. G. G.*  
.....  
CHIEF ANALYST



DATE ... December 30, 1980 ...

Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources

*Capote*

SAMPLE RECEIVED FROM ..... T. SCHROETER .....

ADDRESS ..... Box 877, Smithers, B. C. ....

WHOLE ROCK <input checked="" type="checkbox"/>		SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS						
DIFFRACTION <input type="checkbox"/>		(IN PER CENT)						
LABORATORY NO.:	24552M	24553M						
SUBMITTER'S MARK:	CAP-80-20	SG-80-1						
Si	>10.0	>10.0						
Al	>10.0	>10.0						
Mg	1.25	0.5						
Ca	<1.0	2.0						
Fe	10.0	3.5						
Pb	T	-						
Cu	0.01	T						
Zn	0.55	-						
Mn	0.5	0.05						
Ag	T	-						
V	0.01	T						
Ti	0.35	0.2						
Ni	T	T						
Co	T	T						
Na	0.1	>3.0						
K	>2.0	>2.0						
Ba	0.05	0.08						
Zr	0.01	T						
Sr	T	0.05						
TRACES:	Ga, Cr	Ga, Mo+, Cr						
As	0.2							

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*W. M. J. Brown*  
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DATE ... December 30, 1980 .....

Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

SAMPLE RECEIVED FROM ..... T. SCHROETER .....

ADDRESS ..... Box. 877, Smithers, B. C. ....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
24552M	CAP-80-20 <i>Capoose</i>	Au - <1 ppm Ag - <10 ppm Cu, Pb and Zn - See Spec Analysis <i>Py. + arseno in hatched argillit (zone 2)</i>
24553M	SG-80- 1	Au - <1 ppm Ag - <10 ppm Cu and Mo - See Spec Analysis

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*W.M. Johnson*  
.....  
CHIEF ANALYST



DATE ... March 31, 1981 .....

Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

*AROSE*

SAMPLE RECEIVED FROM ..... T. SCHROETER .....

ADDRESS ..... Box 877, Smithers, B. C. ....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
24618M	CAP-80-21	<p><u>Mineral Separation Report</u></p> <p>There is ample sample (over 15 lbs.), but the biotite content is too low. Only a few flakes visible in any one size fraction. Separation not possible to produce sufficient biotite. Completed February 12, 1981.</p> <p><i>Hornfels - (secondary biotite) submitted for possible K-Ar</i></p>

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DATE March 31, 1981

**Province of British Columbia**  
**Ministry of Energy, Mines and Petroleum Resources**

SAMPLE RECEIVED FROM T. SCHROETERADDRESS Box 877, Smithers, B. C.*CAPDOSE*

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT				
		in ppm			in %	
		<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
24777M	Cap-80- 1	2.06(.06)	195(5.69)	0.12%	0.13	1.33
24778M	Cap-80- 3a	1.03(.03)	180(5.25)	246	1.75	5.77
24779M	Cap-80- 5	<1	6(.18)	69	0.010	0.026
24780M	Cap-80-10	<1	6(.18)	43	0.058	0.028
24781M	Cap-80-11	<1	4	93	0.032	0.10
24782M	Cap-80-29	<1	3	272	0.005	0.034
24783M	Cap-80-31	4.11(.12)	690(20.13)	168	5.40	28.2
24784M	Cap-80-33	<1	50(1.46)	520	0.25	1.80
24785M	Cap-80-34	<1	25(.73)	193	0.13	1.69
24786M	Cap-80-35	<1	65(1.90)	0.13%	0.20	2.99
24787M	Cap-80-36	<1	2	107	<0.005	0.075
24788M	Cap-80-37	2.06(.06)	270(7.88)	382	3.00	5.47
24789M	Cap-80-38	9.94(.29)	125(3.65)	0.18%	0.080	9.10
24790M	NS -81- 1	<1	4	0.10%	<0.005	0.028

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*W. M. Ganson*  
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CHIEF ANALYST



ENERGY,

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... T. SCHROETER

ADDRESS..... P. O. Box 877, Smithers, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
21963M	79 CAP-4-502	<p>Further to our report dated August 24, 1979, below are the amended (reversed) Au and Ag results:</p> <p>Au - Lost (as previously reported)</p> <p>Ag - 368 ppm</p> <div data-bbox="1139 957 1544 1244" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>DEPT. OF MINES AND PETROLEUM RESOURCES REC'D OCT 22 1979 SMITHERS, B. C.</p> </div>

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DATE..... October 16, 1979

*W. R. Johnson*  
.....  
CHIEF ANALYST AND ASSAYER.



ENERGY

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... T. SCHROETER.....

ADDRESS..... P. O. Box 877, Smithers, B. C.....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT				
		ppm				
		<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
22744M	BM-79- 1	3.8	454	2.05 %	49.50 %	4.90 %
22745M	BM-79- 2	7.2	222	1.29	1.48	12.85
22746M*	BM-79- 4	17	27	0.19	1.16	5.60
22747M	BM-79- 5	3.4	201	0.88	0.62	22.10
22748M	BM-79- 6	0.3	<10	0.007	0.01	0.061
22749M	BM-79- 8	2.7	12	0.18	1.46	0.076
22750M	BM-79-11	3	69	1.57	10.65	0.086
22751M	BM-79-12	29	151	0.57	5.90	22.0
22752M	BM-79-13	18	34	1.16	1.33	21.3
22753M	BM-79-14	2.7	147	1.49	8.90	18.90
22754M	BM-79-15	7.9	79	0.68	14.45	16.32
22755M	BM-79-16	18	108	0.78	5.30	28.50
22756M	CAP-79- 1-263'	0.7	20	0.028	0.81	1.20
22757M	CAP-79- 1-311'	0.3	85	0.38	0.085	0.076
22758M	CAP-79- 1-327'	0.7	200	0.021	0.43	0.010
22759M	CAP-79- 3-120'	<0.3	17	0.15	0.035	0.19
22760M	CAP-79- 3-142'	4	<10	0.012	0.015	0.002
22761M	CAP-79- 3-227'	<0.3	<10	0.090	0.12	0.052
22762M	CAP-79- 4-211'	<0.3	<10	0.011	0.015	0.56
22763M	CAP-79- 5-194'	0.8	183	0.071	1.08	3.38
22764M	TR-79- 1A	23	1373	0.11	1.31	1.08
22765M	TR-79- 2	<0.3	395	0.34	0.39	0.16
22766M	TR-79- 3	0.7	24	0.68	0.65	10.50
22767M	TR-79- 4	<0.3	22	0.091	0.025	0.062
22768M	RD-79- 1	1.4	1490	2.41	3.20	11.60
22769M	SG-79-24	0.3	<10	0.011	0.02	0.044
22770M	SG-79-25	<0.3	<10	0.008	<0.01	0.021
22771M	SG-79-26	<0.3	<10	0.007	<0.01	0.021

\*Fe - 21.43%

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DATE..... March 31, 1980.....

*W. M. Johnson*  
CHIEF ANALYST AND ASSAYER.





DATE .. August 6, 1980 .....

Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources

*Capoose*

SAMPLE RECEIVED FROM ..... T. SCHROETER .....

ADDRESS ..... Box 877, Smithers, B. C. ....

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
24002M	CAP-80-7	<p><u>XRD Report</u></p> <p>The black needle-like crystals are actually ARSENOPYRITE coated with a very thin smear of black material. There was not enough sample to determine the nature and composition of the coating. A polished section (followed by some microprobe work?) may be more useful in elucidating the mutual relationship.</p> <div data-bbox="1120 1032 1511 1293" style="border: 1px solid black; padding: 5px; margin: 20px auto; width: fit-content;"> <p>DEPT. OF MINES AND PETROLEUM RESOURCES</p> <p>Rec'd AUG 11 1980</p> <p>SMITHERS, B. C.</p> </div>

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*W M Johnson*  
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CHIEF ANALYST



THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA

ENERGY

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... T. SCHROETER

ADDRESS..... P. O. Box 877, Smithers, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT				
		in ppm				
		<u>Au</u>	<u>Ag</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
21959M	CAP-1	0.7 (0.03)	130 (3.82)	153	250	30
21960M	79 CAP-4-237	<1	<10	260	*0.21	318
21961M	79 CAP-3-221	9 (0.26)	747 (21.97)	295	*1.73	348
21962M	79 CAP-2-325	0.7 (0.03)	<10	*0.23	500	233
21963M	79 CAP-4-502	368	10.82 †	*0.35	*0.26	*1.06

*Cape Rose LK*

\* in %

† A small speck of gold was observed, but was lost during parting and not sufficient sample remained for another analysis.

DEPT. OF MINES  
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Rec'd AUG 30 1979  
SMITHERS, B. C.

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DATE..... August 24, 1979

*[Signature]*

CHIEF ANALYST AND ASSAYER



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DEPARTMENT OF MINES AND PETROLEUM RESOURCES VICTORIA

SAMPLE RECEIVED FROM T. SCHROETER

ADDRESS P. O. Box 877, Smithers, B. C.

Table with columns: X-ray Sample, SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSIS. Rows include Laboratory No. 21956M, Submitter's No. 79 CAP-5-350, and various elements (Si, Mn, Al, Mg, Pb, Ca, Fe, V, Cu, Ag, Zn, Na, K, Ti, Zr, Ni, Co, Sr, Cr, Ba, Mo, W) with their respective concentrations.

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DATE August 28, 1979

Signature of Chief Analyst and Assa



DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... T. SCHROETER

ADDRESS..... P. O. Box 877, Smithers, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
21955M	79 CAP-2-150	<p><u>XRD Report</u></p> <p>The globular to botryoidal cavity filling material with a red streak is HEMATITE.</p>
21956M	79 CAP-5-350	<p>The seemingly dendritic black material is amorphous. Please refer to Emission Spec data for chemical composition. Contaminants in the X-ray sample are mainly quartz, K-feldspar and sericite.</p>
21957M	79 CAP-3-233	<p>Crystalline sulfide minerals identified from the circled area include SPHALERITE, CHALCOPYRITE and PYRITE.</p>
21958M	79 CAP-1-262	<p>The circled black fracture filling material is essentially SPHALERITE mixed with a small amount of PYRITE ± CHALCOPYRITE.</p> <p style="text-align: right;"><i>Caprose LK.</i></p>

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*W. M. Johnson*  
CHIEF ANALYST AND ASSAYER