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FAX TRANSMISSION CANADIAN ENVIRONMENTAL & METALLURGICAL INC. 1636 West 75th Avenue Vancouver, British Columbia, Canada, V6P 6G2 Phone (604) 264-5536 Fax (604) 264-5535

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 \sum page(s) including cover sheet will be sent. If there are any problems with this fax, please call (604) 264-5536.

DATE: Jan. 23/02 TO: Herb FAX #: 1-250-723-4544 COMPANY: SYMC FROM: Karen Timewell

Re:

Here are the ABA/Head ICP results for the four samples received January 2002.

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PROPERTY FILE

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Client	: SYMC
Project	:
Project No.	: 9918
Test	: Head Sample Analyses
Date	: January 10, 2002

	Sample	:	Foot Wall Dantless	Foot Wall McTush	Hanging Wall Dantless	Hanging Wall	
E	lement]			Dangess	McTush	
Ma	ppm		1	5			
Cu	ppm		96	11	1	4	
Pb	ppm		4	6	167	14	
Zn	ppm		44	25	16	10	
Ag	ppm		< .3	< .3	56	31	
Ni	ppm		68	3	< .3	< .3	
Co	ppm		28		63	10	
Mn	ppm		654	14	27	15	
Fe	%		5.22	380	669	402	
As	ppm		3	3.46	5.46	3.52	
U	ppm		< 8	7	8	6	
Au	ppm		< 2	< 8	8	< 8	
Γh	ppm		< 2	< 2	< 2	< 2	
Sr	ppm	1		2	< 2	2	
Cd .	ppm		43	52	50	52	
Sb			0.5	0.4	0.6	0.3	
Bi	ppm		< 3	< 3	< 3	< 3	
/	ppm		< 3	< 3	< 3	< 3	
	ppm		226	145	239	140	
Ca S	%		2.54	1.90	2.46	1.94	
	%		0.057	0.066	0.070	0.065	
.a	ppm		4	7	5	7	
Cr	ppm		160	189	166	174	
Лg	%		2.61	1.16	2.52	1.23	
a	ppm		46	62	82	121	
i	%		0.56	0.14	0.57	0.15	
	ppm		12	23	11	18	
1	%		3.13	2.66	2.85	2.71	
a	%		0.10	0.20	0.10	0.19	
	%		0.04	0.09	0.04	0.09	
/	ppm		< 2	< 2	< 2	< 2	

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ACID-BASE ACCOUNTING RESULT SHEET

Client	: SYMC
Project	:
Project No.	: 9918
Test	: Standard Sobek Method Acid-Base Accounting
Date	: January 10, 2002

SAMPLE	PASTE pH	Volume HCl added (mL)	pH BEFORE TITRATION	S(T) %	AP	NP	NET NP	NP/AP
Foot Wall Dantless	9.2	20	3.14	0.19	5.9	24.9	18.9	4.2
Foot Wall McTush	9.5	20	2.87	<0.01	0.0	16.1	16.1	-
Hanging Wall Dantless	9.2	40	2.72	0.26	8.1	38.8	30.6	4.8
Hanging Wall McTush	9.4	20	2.91	0.01	0.3	14.9	14.6	47.6

AP = ACID POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

AP IS BASED ON THE TOTAL SULPHUR ASSAY.

NP = NEUTRALIZATION POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NET NP = NET NEUTRALIZATION POTENTIAL = TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NOTE - WHERE S(T) AND/OR S(SO4) IS REPORTED AS <0.01%, IT IS ASSUMED TO BE ZERO FOR THE AP CALCULATION.

PROPERTY FILE

CANADIAN ENVIRONMENTAL & METALLURGICAL INC. Environmental and Metallurgical Laboratory Testing, Process Development and Innovative Water Treatment

January 2002

SYMC Resources Ltd. 3009 Kingsway Avenue Port Alberni, BC V9Y 1X7

Attention: Mr. H. McMaster

We are pleased to submit 8 copies of our report on the testwork undertaken in November 2001. The report presents the results of flotation on the ore samples sent by SYMC Resources to our laboratory in Vancouver. The ore sample tested resulted in very high recoveries of copper (97%), gold (95.8%) and silver (90.7%) using a simple flotation flowsheet. Gravity concentration of gold and silver resulted in poor recoveries (~50%). The ore samples treated were low grade copper (0.3%).

The ore sample tested is very easy to grind and extremely easy to separate in the flotation circuit. The concentrate produced should not present any problems in the flotation circuit or in the treatment of the concentrate in the smelling process.

We appreciate the opportunity to participate in this project.

Sincerely,

Johan Barra

PROPERTY FILE

Sohan S. Basra Canadian Environmental & Metallurgical Inc.

1636 West 75th Avenue, Vancouver, BC V6P 6G2 Tel: (604) 264-5536 Fax: (604) 264-5535 Email: cemilab@cemi.bc.ca or basra@earthlink.com

FLOTATION and GRAVITY CONCENTRATION TESTS

NOVEMBER 14, 2001 SAMPLE - McTush Deposit

for

SYMC RESOURCES LIMITED

PROPERTY FILE

Prepared by: CANADIAN ENVIRONMENTAL AND METALLURGICAL INC. 1636 West 75th Avenue Vancouver, B.C.

January 9, 2002

Flotation and Gravity Concentration Tests SYMC Resources Limited

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1.0 INTRODUCTION

A sample was received on November 14, 2001 to perform preliminary tests on the production of clean flotation tails and on gold recovery by a gravity separation technique.

2.0 TEST PROCEDURES

2.1 Sample Description and Preparation

The sample was received in a plastic bag, weighing approximately 6.5 kg. The samples consisted of large rocks of five inches in diameter. The samples were crushed in a lab jaw crusher to a -1/4 inch size. The crushed samples were riffled to obtain 2 kg sub-samples for testing. The 2 kg samples were charged into a lab rod mill with 1.35 L water and were milled for 20 minutes for the flotation and 15 minutes for the gravity test. These grinding conditions were adopted from the previous similar tests and were not necessarily optimized.

2.2 Flotation Test Procedure

The contents of the grinding mill were washed into a 5-liter flotation cell and made up to the appropriate volume and flotation using a Denver flotation machine. Test conditions and test flowsheet are provided in the attached metallurgical balance sheet.

2.2 Gravity Separation Test Procedure

A 13-inch hand pan was used to separate heavy fractions out of ground 2 kg sample. Heavy fractions were reprocessed several times to yield a final heavy fraction which was ~20% of the initial feed weight.

2.3 Acid Base Accounting

Modified Sobek Acid Base Accounting was carried out on 2 samples received in January 2002 labeled as Foot Wall McTush and Hanging Wali McTush.

3.0 TEST RESULTS

3.1 Flotation Result

The result of the flotation test is summarized in the result sheet. High recovery rates of gold, silver, copper, iron and total sulphur in the flotation concentrate are realized. Approximately 2% of the silica reports in the concentrate with a silica content of 25%. Since the main objective of the test was to produce clean tails, no

efforts were made to increase the concentrate grade. Further optimization of the flotation condition may lower the silica content and upgrade the metal contents in the concentrate. The total sulphur content in the tails is extremely low at 0.02%, which is 0.6% of the sulphur in the feed.

The separate sheet summarizes the result of the Acid-Base Accounting for the product tails, using the standard Sobek method. The acid potential is low due to the low sulphur content, and the low neutralization potential is the result of the high silica content. The net neutralization potential is zero, indicating a very low potential risk for acid rock drainage.

3.2 Gravity Separation Results

The gravity separation test result is summarized in the attached result sheet. Gold and silver assays were performed on the product concentrate and tailings. Relatively low gold and silver recoveries are seen in the table. And large quantities of precious metals are lost to the tailings. The flotation results have indicated that those precious metals are associated with sulphide minerals, indicating very fine grained gold and silver. Thus, flotation is a preferred method for the concentration of these metals.

3.3 Acid Base Accounting

The results of acid base accounting are provided in the Appendix. The Acid Potential of the samples tested is very low and the samples do have contained neutralization potential. The samples tested are not acid generating.

4.0 CONCLUSIONS

The following conclusions can be drawn from these preliminary tests with the Nov. 14, 2001 sample.

- The calculated head grade of 0.2 oz/t of gold, 0.23-0.29 oz/t of silver, 0.3% of copper, 2.9% of total sulphur and 86% of silica were estimated.
- A recovery of >95% gold, >90% of silver, 97% of copper and >99% of total sulphur was realized in the flotation concentrate.
- The flotation tails contained low concentrations of base metals and suphur total. >97% of silica reported in the tails. The low suphur and high silica contents in the tails resulted in low acid and neutralization potentials in the tails for favorable disposal conditions.
- The result of the initial gravity separation test indicated a low success rate of this technique for the gold and silver separation from the ore sample.

ATTACHMENTS

- 1 FLOTATION RESULT SHEET
- 2 ACID-BASE ACCOUNTING RESULT SHEET
- 3 GRAVITY SEPARATION RESULT SHEET
- 4 ASSAY CERTIFICATES

FLOTATION TEST RESULT SHEET

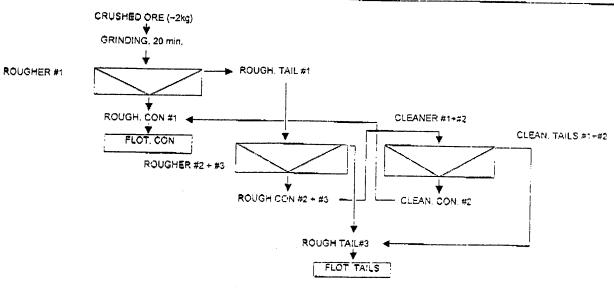
CLIENT:SYMC Resources Ltd.TEST:SYMC FT# 8SAMPLE:Nov. 14, 2001 SampleGRIND:20 minutes

I) METALLURGICAL BALANCE

FRODUCT		weight			ASSAY		* by ICF						DISTR	BUTION	i	
	(g)	%	Au (oz/t)	Ag (oz/t)	Cu (%)	Fe(%)	Zn*(%)	SiO <u>2</u> (%)	S _T (%)	Au (%)	Ag (%)	Ċu (%)	Fe (%)	Zn (%)	SiQ ₂ (%)	S . (%)
Flot. Con	160.0	8.D	2.51	3.23	3.70	31,49	0.01	25.20	35.10	95.8	\$0.7	97.0	ee 2	53,C	2.4	29.4
Fiot Tails	1830,0	92.Q	0.010	0.029	0,01	0.37	0.00	91,40	0.02	4.2	9.3	3.0	11.8	45.0	97.8	Ċ.6
Totals	1990.0	100.0								100.0	100.0	100.0	100.0	100.0	100.0	100 0
<u></u>	ļ															<u> </u>
Calc. Head	L		0.21	0.29	0.31	2.87	0.00	86.08	2.92							

II) TEST CONDITIONS

STAGE		REAC	GENTS (g/t)	Tim	e (minutes)		
		Aero 3477	DF 250	Grind	Cond	Float	
Grind	-	-	-	20			
Rough ±t	302	6	5		2	13	
Rough #2	251	6	10		2		
Rough #3	101	5	10		2	4 5	
Çlean #1	0	С	0		2	15	
Clean #2	0	Û	0		2. 3	9	



CEM Inc.

ACID-BASE ACCOUNTING RESULT SHEET

Client	: SYMC
Project	:
Project No.	: 9918
Test	: Standard Sobek Method Acid-Base Accounting
Date	: January 10, 2002

SAMPLE	PASTE pH	Volume HCl added (mL)	рН BEFORE TITRATION	S(T) %	AP	NP	NET NP	NP/AP
Foot Wall McTush	9.5	20	2.87	<0.01	0.0	16.1	16.1	-
Hanging Wall McTush	9.4	20	2.91	0.01	0.3	1 4 .9	14.6	47.6

AP = ACID POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1080 TONNES OF MATERIAL.

AP IS BASED ON THE TOTAL SULPHUR ASSAY.

NP = NEUTRALIZATION POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NET NP = NET NEUTRALIZATION POTENTIAL = TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NOTE - WHERE S(T) AND/OR S(SO4) IS REPORTED AS <0.01%, IT IS ASSUMED TO BE ZERO FOR THE AP CALCULATION.

CEM Inc.

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ACID-BASE ACCOUNTING RESULT SHEET

Client	: SYMC
Project	: Nov. 14, 2001 SAMPLE, Flotation Tails
Project No.	: 9918
Test	: Standard Sobek Method Acid-Base Accounting
Date	: December 14, 2001

SAMPLE	PASTE pH	Volume HCi added (mL)	pH BEFORE TITRATION	S(T) %	AP	NP	NET NP	NP/AP
Flot. Tails	5.8	20	1.96	0.02	0.6	0.6	0.0	1.0

AP = ACID POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

AP IS BASED ON THE TOTAL SULPHUR ASSAY.

NP = NEUTRALIZATION POTENTIAL IN TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NET NP = NET NEUTRALIZATION POTENTIAL = TONNES CaCO3 EQUIVALENT PER 1000 TONNES OF MATERIAL.

NOTE - WHERE S(T) AND/OR S(SO4) IS REPORTED AS <0.01%, IT IS ASSUMED TO BE ZERO FOR THE AP CALCULATION.

Client	: SYMC
Project	:
Project No.	: 9918
Test	: Head Sample Analyses
Date	: January 10, 2002

Sample:		Foot Wall Hanging Wall McTush McTush
E	lement	12907 12909
.		
Mo	ppm	5 4
Cu	ppm	11 14
Pb	ppm	6 10
Zn	ppm	25 31
Ag	ppm	<.3 <.3
Ni	ppm	10 10
Co	ppm	14 15
Mn	ppm	380 402
Fe	%	3.46 3.52
As	ppm	7 6
U	ppm	< 8 < 8
Au	ppm	< 2 < 2
Th	ppm	2 2
Sr	ppm	52 52
Cd	ppm	0.4 0.3
Sb	ppm	< 3 < 3
Bi	ppm	< 3 < 3
V	ppm	145 140
Ca	%	1.90 1.94
Ρ	%	0.066 0.065
La	ppm	7 7
Cr	ppm	189 174
Mg	%	1.16 1.23
Ba	ppm	62 121
TI	%	0.14 0.15
В	ppm	23 18
Al	%	2.66 2.71
Na	%	0.20 0.19
K	%	0.09 0.09
W	ppm	< 2 < 2

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GRAVITY SEPARATION TEST RESULT SHEET

CLIENT:SYMC Resources Ltd.TEST:SYMC Gravity #1SAMPLE:Nov. 14, 2001GRIND:15 minutes

I) METALLURGICAL BALANCE

PRODUCT	weight	weight %	ASSAY							DISTRIBUTION						
	(9)		Au (ozit)	Ag (oz/i)	Cu (%)	Fe (%)	Zn (%)	SiO2 (%)	S (%)	Au (%)	Ag (%)	Си (%)	Fe (%)	Zn (%)	SiO2 (%)	S (%)
Gravity Con	453.0	20.B	0.45	0.35	NA	NA	NA	NA	NA	46.7	31.5	NA	NA	NA	NA	NA
Gravity Tails	1720.0	79.2	0,135	0.200	NA	NA	NA	NA	NA	53.26	68.45	NA	NA	NA	NA	NA
Totals	2173.0						·····			100.0	100.0	NA	NA	NA	NA	NA
Assay Head																
Calc Head			0.201	0.23	NA	NA	NA	NA	NA							