

→ Myra Falls

Schroeter, Tom EMPR:EX

From: Schroeter, Tom EMPR:EX
Sent: Thu, September 21, 2006 1:54 PM
To: 'Finley Bakker'
Subject: RE: Myra Falls Exploration

885846

Thanks, Finley.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey Branch
Mining and Minerals Division
Ministry of Energy, Mines and Petroleum Resources

Direct Telephone 604 660-2812
Messages & Enquiries 604 660-2708
Facsimile 604 775-0313
email tom.schroeter@gov.bc.ca

From: Finley Bakker [mailto:fbakker@bc.breakwater.ca]
Sent: Thu, September 21, 2006 12:03 PM
To: Schroeter, Tom EMPR:EX
Subject: RE: Myra Falls Exploration

That is the amount we have budgeted for – we are still getting things in place – also a site visit would be good Finley

From: Schroeter, Tom EMPR:EX [mailto:Tom.Schroeter@gov.bc.ca]
Sent: Thursday, September 21, 2006 11:57 AM
To: fbakker@bc.breakwater.ca
Cc: Northcote, Bruce EMPR:EX
Subject: Myra Falls Exploration

Hi, Finley. I hope all is going well at the mine. I understand you are doing some surface exploration drilling along with a large U/G drilling program. Am I in the ballpark estimated **\$2.5M** in exploration expenditures and ~ **30,000m** of surface + U/G drilling? Also, the new Regional Geologist (**Bruce Northcote**) for Vanocuver Island will be joining my office here in Vancouver next Monday (**Sept. 25th**) and I would like to bring him along for a site visit sometime later this Fall. Would that be possible? Good luck on the programs.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey Branch
Mining and Minerals Division

2006-09-21

Schroeter, Tom EMPR:EX

→ Myra
Falls

From: Schroeter, Tom EMPR:EX
Sent: Tue, September 19, 2006 12:39 PM
To: Wuschke, Steven EMPR:EX
Subject: Re: UG exploration work

Thanks' Steve.

-----Original Message-----

From: Wuschke, Steven EMPR:EX
To: 'Finley Bakker' <fbakker@bc.breakwater.ca>
CC: Olivier Grondin <ogrondin@bc.breakwater.ca>; Webster, Ian EMPR:EX; Taje, Eddy EMPR:EX; Schroeter, Tom EMPR:EX
Sent: Tue Sep 19 08:01:51 2006
Subject: RE: UG exploration work

There is no need to submit a NOW for the u/g drilling and exploration drilling as long as this activity is in conjunction with other active mine workings, adequately supervised, ventilated and all appropriate operational procedures are followed. It would be different if you were reopening closed or abandoned mine workings.

Our geology staff in Vancouver however would appreciate being kept apprised of your project and I am copying our health and safety inspector so that he is aware. Eddy Taje is the inspector and he may or may not have additional questions.

Steven E. Wuschke, P.Eng.

1675 Douglas St.

PO Box9320, Stn Prov. Govt

Victoria BC V8W 9N3

PH: 250 356-9408

Fax: 250 952-0481

From: Finley Bakker [mailto:fbakker@bc.breakwater.ca]
Sent: September 18, 2006 2:56 PM
To: Wuschke, Steven EMPR:EX
Cc: Olivier Grondin
Subject: UG exploration work

In addition to the surface drilling we are also in the process of tendering 28,000 meters of UG exploration drilling. This drilling is for the most part from existing infrastructure. In addition we are planning exploration drifting from existing mine workings. I have noticed that in the past we have not submitted Notice's of Work. Should we? The associated costs are used in exploration spending reports to both gov't. Thanks FJB

Finley Bakker P.Geo

Exploration Manager

NVI Mining Ltd.

Myra Falls Operation

250-287-9271 extn 235

fbakker@bc.breakwater.ca

Schroeter, Tom EMPR:EX

JFS → Myra Falls

From: Schroeter, Tom EMPR:EX
Sent: Monday, November 14, 2005 11:14 AM
To: 'Finley Bakker'
Cc: 'Torben Jensen'
Subject: RE: Myra Falls Update?

Thanks for the quick response, Finley. I 'apologize' for the lateness in the 'offer' to present a talk at Roundup. I am not directly involved in offering/securing the talks; rather I was contacted last Thursday with a potential 'opening' for a talk and I suggested Myra Falls. FYI - Most of the talks for Roundup are secured by September each year. With regard to a short write-up on mining/development/exploration activities in 2005 at the mine, I very much look forward to your submission at your earliest convenience. I start giving "BC Overview" talks (and written papers) in December, 2005 and this carries thru 'till next summer. I would certainly like to include a brief mention of Myra Falls.

Tom
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-----Original Message-----

From: Finley Bakker [mailto:fbakker@bc.breakwater.ca]
Sent: Monday, November 14, 2005 11:01 AM
To: Schroeter, Tom EMPR:EX
Cc: 'Torben Jensen'
Subject: RE: Myra Falls Update?

Just a bit short notice about Roundup Tom. We have recently gone through some reorganization at the mine. With this in mind I have forwarded your request to Torben Jensen - VP Engineering in TO. I personally believe it to be a good idea to make a presentation but it should be up to HO to make the final call - As far as the writeup - we will do what we can-
Finley

-----Original Message-----

From: Schroeter, Tom EMPR:EX [mailto:Tom.Schroeter@gov.bc.ca]
Sent: Thursday, November 10, 2005 1:58 PM
To: Bakker Finley (E-mail)
Cc: Pardy, Jamie EMPR:EX
Subject: Myra Falls Update?

Hi, Finley - hope all is well "over there". Obviously, I didn't get a chance to visit this past year - my apologies. I'm about to start writing up the "2005 Mineral Exploration Review" and was wondering if you could (or co-ordinate) provide a brief/concise summary of activities at Myra Falls during 2005 - something that the mining industry "should know" (i.e that Breakwater can be proud of). A mix of mining, development and exploration activities would be great. Also - a look into the future?
Now, on a separate note, as a member of the Executive Committee for Roundup

Schroeter, Tom EMPR:EX

From: Schroeter, Tom EMPR:EX
Sent: Thursday, November 10, 2005 1:58 PM
To: Bakker Finley (E-mail)
Cc: Pardy, Jamie EMPR:EX
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Now, on a separate note, as a member of the Executive Committee for Roundup 2006 I'm wondering if 'Breakwater' might want or be prepared to give a short (20 minutes?) summary/update on the Myra Falls project during this year's Roundup on Tuesday, Jan. 24, 2005 in Vancouver? I believe this would give Breakwater a nice opportunity to become 'connected' at Roundup. Ideally, it would be nice to see a few of you folks attend. If you think this 'invitation' is of interest, unfortunately, I would need to know by next Tuesday (Nov. 15th). Looking forward to hearing from you. Cheers,

Tom

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Geological Survey Branch
Mining and Minerals Division
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TJS → Myra Falls

Schroeter, Tom EM:EX

From: Jacques Houle on behalf of XT:EM Houle, Jacques EM:IN
Sent: Wednesday, June 01, 2005 3:21 PM
To: Webster, Ian EM:EX; XT:EM Walcott, Alexander Peter E EM:IN; XT:EM Walcott, Peter Eyre EM:IN; Turner, Jim EM:EX; Stone, Kim EM:EX; Justin Schroff; rgmonjo@shaw.ca; Jack Rahaula; XT:EM Pinsent, Robert Hugh EM:IN; Kevin Palmer; Bill McMillan; XT:EM SYMC Resources; McMaster, Herbert W EM:IN; Alastair McColl; Robert Zurrer; XT:EM Whytock, Andrew Dalgarno EM:IN; XT:EM Webb, Douglas C EM:IN; XT:EM Walton, Ronald W EM:IN; Ted Trueman; Taje, Eddy EM:EX; Tim Stokes; Shepherd Stewart; Christina Snow; Michael Sloan; Simandl, George EM:EX; Helgi Sigurgeirson; XT:EM Shearer, Johan Thom EM:IN; Murray Seitz; Brad Scott; Schroeter, Tom EM:EX; Schmitt, Rolf EM:EX; Mikkel Schau; XT:EM Riepe, Rudi (Tri-Sil Minerals) EM:IN; Jim Richard; Rentz, Robert FOR:EX; XT:EM Rennie, Clifford C EM:IN; Jack Rahaula; Tony Ransom; XT:EM Randall, Alf EM:IN; XT:EM Pidwerbeski, Terry Dale EM:IN; Owen Peer; Cliff Pearson; Dave Pawliuk; XT:EM Paquet, Joseph Louis EM:IN; Andre Panteleyev; XT:EM Nijhuis, Anton Gerard EM:IN; Jordi Nickolet; XT:EM Newman, James E EM:IN; XT:EM Moore, Marvin R EM:IN; John Moore; Mihalynuk, Mitch EM:EX; Ivor McWilliams; Ronald McMillan; Jim McMillan; XT:EM McLelland, David EM:IN; Sean McKinley; Maggie McColl; McArthur, Gib EM:EX; Jennifer MacLean; XT:EM MacIntyre, Don EM:IN; XT:EM Rebar, Mike EM:IN; George Owsiaaka; Pardy, Jamie EM:EX
Cc: Finley Bakker
Subject: Fw: mine geologist

For the M-Z bunch, since the VIX is broken into two distribution lists.

Cheers,
 Jacques

----- Original Message -----

From: Finley Bakker

To: 'Jacques Houle'; 'Roy Kregosky'; 'Jean-Marc Fortier'; 'Allan Francis'; 'Doug Brouwer'; 'Andreas Kunert'; 'Brian Abraham'; 'Dani Aldrick'; 'Andre Audet'; 'Mark Baknes'; 'Michael Becherer'; 'Dan Berkshire'; 'Arne Birkeland'; 'Colin Campbell'; 'Nick Carter'; 'Gwyneth Cathyl-Bickford'; 'Albert Chong'; 'Daniel Cline'; 'Stephen Cook'; 'Kevin Davie'; 'Gavin Dirom'; 'Kieran Downes'; 'Dugald Dunlop'; 'Steven Earle'; 'Simone Engels'; 'Bruce Fairbrother'; 'Stephen Gardner'; 'John Gunton'; 'Tim Henneberry'; 'Bob Hinds'; 'Ian Howie'; 'Wayne Jackaman'; 'Jakobsen, Dorte SRM:EX'; 'Dan Jepsen'; 'Larry Jones'; 'Andris Kikauka'; 'David Lefebure'; 'Ken Lord'; 'Ed Lyons'; 'Jack Grant'; 'Ray Lett'; 'Bob Cathro'; 'Kelly B. Funk'; 'Jack Abercrombie'; 'Caroline Gilson'; 'Barry Hanslit'; 'Robert A Davey'; 'Mike Doknjas'; 'Ron Konst'; 'Gord Link'; 'dilonnie babcock'; 'Dave Bazowski'; 'Bob Beaupre'; 'Ed Beswick'; 'Lenny Boyd'; 'Arndt Burgert'; 'Greg Carriere'; 'Mike Cathro'; 'Courtney Charnell'; 'Conte, Rick EM:EX'; 'Chris Davis'; 'Jennifer Deacon'; 'Paul Demontigny'; 'Pat Desjardins'; 'Diakow, Larry EM:EX'; 'Amyah Docq'; 'Colin Dunn'; 'Brian Grant'; 'Paddy Grant'; 'John Gravel'; 'Paul Gray'; 'Mark Greenhalgh'; 'David R. Haughton'; 'Rob Hutton'; 'Kositsin, Chris EM:EX'; 'Jim Laird'; 'Lieutard'; 'Ward Kilby'; 'chamber'

Sent: Wednesday, June 01, 2005 3:10 PM

Subject: mine geologist

Hello VIX'ers

NVI Mining, Myra Falls Operation is looking for a junior mine geologist at its mine near Campbell River - If you or you know of anyone fitting the bill (who is interested) can you pls have them forward a resume to Ken Doherty (H.R. Supervisor) at kdoherty@bc.breakwater.ca. This is a full time position. Thanks

Finley Bakker P. Geo

Chief Geologist

NVI Mining Ltd.

Phone 250-287-9271 extn 272

Fax 250-287-7123

Email fbakker@bc.breakwater.ca

2005-06-01

Schroeter, Tom EM:EX

TGS → Myra Falls

From: Schroeter, Tom EM:EX
Sent: Tuesday, January 18, 2005 8:21 AM
To: 'Rick Sawyer'; Ivor McWilliams
Subject: RE: Myra Falls Update?

Thanks very much, Rick for the update. And - continued success with the exploration at the mine and elsewhere on the Island. Glad to hear you're going to be at Roundup next week - look forward to seeing you there.

Tom
Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey and Development Branch
Mining and Minerals Division
Ministry of Energy and Mines

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-----Original Message-----

From: Rick Sawyer [mailto:rsawyer@bc.breakwater.ca]
Sent: Tuesday, January 18, 2005 8:04 AM
To: Schroeter, Tom EM:EX; Ivor McWilliams
Subject: RE: Myra Falls Update?

Tom,

Yes, it appears that things will be settled today as this is the second day of voting on the proposed contract. Hopefully there will be no surprises.

Our programs next year will primarily entail diamond drilling from platforms established in 2004 with additional platforms to be developed as well. An estimate that you can use is 1.65 million dollars. This would also include some minor lithogeochem and compilation programs. The drifting that we will be taking advantage of will actually be carried out by operations for mine infrastructure and not charged directly to exploration. For example, the surface ramp collaring work is underway, and we plan to be able to drill from ramp positions in late 2005.

I will be over in Vancouver next week, perhaps I will run into you. I see that you will be presenting on Tuesday morning.

All the best

Rick Sawyer
MFO Exploration

-----Original Message-----

From: Schroeter, Tom EM:EX [mailto:Tom.Schroeter@gems6.gov.bc.ca]
Sent: Monday, January 17, 2005 12:49 PM
To: Sawyer Rick (E-mail)
Cc: Bakker Finley (E-mail); Pardy, Jamie EM:EX
Subject: Myra Falls Update?

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, January 17, 2005 12:49 PM
To: Sawyer Rick (E-mail)
Cc: Bakker Finley (E-mail); Pardy, Jamie EM:EX
Subject: Myra Falls Update?

Good day, gentlemen - and, All the Best in 2005! Just reading that NVI has (will be) concluding its union ratification vote today and tomorrow - good news, I assume? Just wondering if you are able to say anything about NVI's proposed expl'n plans (est. \$ expenditures, etc.) for 2005? Again- the info would be kept confidential; the number would be used in the total provincial estimate. Cheers,

Tom

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Senior Regional Geologist
Geological Survey and Development Branch
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TOS → Myra Falls

Pardy, Jamie EM:EX

From: Pardy, Jamie EM:EX
Sent: Monday, November 01, 2004 10:06 AM
To: 'rsawyer@bc.breakwater.ca'
Subject: FW: request for information on 2004 exploration activities at Myra Falls

Hello again Rick,

I would like to add one question if I can please. Do you have average figures for metres of drilling and exploration expenditures over the past several years at Myra Falls?

-----Original Message-----

From: Pardy, Jamie EM:EX
Sent: Wednesday, October 27, 2004 11:25 AM
To: 'rsawyer@bc.breakwater.ca'
Subject: request for information on 2004 exploration activities at Myra Falls

Hi Rick,

As discussed yesterday I send this e-mail to request the exploration information for the 2004 calendar year at the Myra Falls operation. The info finds its way into two annual Ministry publications: *BC Mineral Exploration Review* (provincial overview) and *Exploration and Mining in BC* (region-by-region description of activities with more detail). You can see previous versions at: <http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/catexrev.htm> and http://www.em.gov.bc.ca/Mining/Geolsurv/Publications/catalog/cat_expl.htm. I should note that the *BC Mineral Exploration Review* will be published in a more promotional format this year and that we will print 000s of copies.

I send this request knowing that you might be soon determine if a portion of the planned 2004 exploration work will proceed or not.

The information requested is:

- Total metres drilled to date this year
- Total metres likely to be drilled by year end
- Total drifting metres in 2004, if any (I think I remember you saying that development work that will make drilling possible in the Marshall East area was done last year)
- Other exploration surveys such as downhole geophysics etc
- Total exploration dollars expected to be spent in 2004

Thanks very much.

Jamie Pardy, P.Geo.
 Regional/Staff Geologist
 Southwest British Columbia
 BC Geological Survey
 300-865 Hornby Street
 Vancouver, BC V6Z 2G3
 Tel: 604-660-2708
 E-mail: jamie.pardy@gems9.gov.bc.ca

2004-11-05

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, November 05, 2004 10:10 AM
To: Bakker Finley (E-mail)
Cc: Pardy, Jamie EM:EX; 'rsawyer@bc.breakwater.ca'
Subject: Myra Falls Info For Annual BC Expl'n Reviews

Hi Finley and Rick: Sorry to bother you folks; however, Jamie Pardy and I respectfully request exploration info from the Myra Falls operation for the annual "Mineral Exploration Review" (ref. Jamie's Oct. 27th email to Rick). As per other years, we're only looking for your "best guesstimate" on expl'n expenditures and drilling for the 2004 calendar year (i.e. realize that work is still in progress). Unfortunately (for us), we need to work with the up-to-date provincial data right now in order to make our deadlines for Roundup 2005 release (end Jan. '05). Obviously, work at Myra Falls will have a significant impact on both the Regional and Provincial stats. I (we) thank you in advance for any info you can provide at your earliest convenience. Hope all is going well at the mine; sorry I didn't get a chance to visit this year - it's been a very busy year!

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey and Development Branch
Mining and Minerals Division
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Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, November 15, 2004 2:06 PM
To: 'rsawyer@bc.breakwater.ca'
Cc: Bakker Finley (E-mail); Pardy, Jamie EM:EX
Subject: Myra Falls Expl'n Info?

Hi Rick/Finley: Sorry to bother you. Just wondering if you have had a chance to assemble the numbers regarding 2004 expl'n at the mine (i.e. \$ spent and metres of drilling)? Would be much appreciated. Thanks.

Tom

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Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, November 15, 2004 2:16 PM
To: 'Rick Sawyer'
Subject: RE: Myra Falls Expl'n Info?

Thanks, Rick. No - I'm not too concerned about the "specifics". I need to ADD your totals to the provincial 'estimates' for both \$ spent and metres drilled. Thus if you could give me your best guesstimate, I'd really appreciate it. If and when your new program is approved, we could adjust the numbers accordingly. Thanks.

Tom
Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey and Development Branch
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Autotel 604 662-9091

-----Original Message-----

From: Rick Sawyer [mailto:rsawyer@bc.breakwater.ca]
Sent: Monday, November 15, 2004 2:13 PM
To: Schroeter, Tom EM:EX
Subject: RE: Myra Falls Expl'n Info?

Tom,

We are still waiting for approval on a significant program that will run out the rest of the year. If you are not too concerned about an accurate estimate for November-December, then I will put together something assuming that we do not get the large program underway.

Rick

-----Original Message-----

From: Schroeter, Tom EM:EX [mailto:Tom.Schroeter@gems6.gov.bc.ca]
Sent: Monday, November 15, 2004 2:06 PM
To: 'rsawyer@bc.breakwater.ca'
Cc: Bakker Finley (E-mail); Pardy, Jamie EM:EX
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Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, May 17, 2004 3:13 PM
To: 'fbakker@boliden-westmin.com'
Cc: Lefebure, Dave EM:EX
Subject: Myra Falls - 2004 Prelim Expl'n Budget?

Importance: High

Hi, Finley, For Mining Week in BC this week (esp. this Wed. 19th), we are hoping to release a number of new maps with various exploration statistics included. One specific map has a Table which shows ~ 60 selected, 'major' exploration programs, along with their proposed budgets for 2004. All of them are public knowledge; except, of course MYRA FALLS. Would it be possible to provide/confirm a number (you (confidentially) gave me \$1.8M earlier this year) asap by tomorrow morning - OR would you prefer us to leave it blank (it would be the ONLY one)? Sorry for the tight timeframe -it's part of our culture these days, I guess.

Tom

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Schroeter, Tom EM:EX

V6S → Myra Falls

From: Schroeter, Tom EM:EX
Sent: Tuesday, May 25, 2004 9:21 AM
To: 'fbakker@connected.bc.ca'
Cc: Lefebure, Dave EM:EX
Subject: RE: Myra Falls - 2004 Prelim Expl'n Budget?

Thanks, Finley - no problem. Victoria decided NOT to publish the individual numbers anyway. MEM released 3 new Maps (with tables) that you might find interesting, when you get a moment (Open File 2004-15, Open File 2004-16 and GeoFile 2004-10). They show the COMMUNITIES which have/may benefit from exploration throughout the Province. Speaking of "takeover business" - anything to report (non-confidential)? Good luck this summer - llok forward to updates later in the season.

Tom
Tom Schroeter, P.Eng./P.Geo.
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-----Original Message-----

From: Finley Bakker [mailto:fbakker@connected.bc.ca]
Sent: Saturday, May 22, 2004 8:11 PM
To: Schroeter, Tom EM:EX
Subject: RE: Myra Falls - 2004 Prelim Expl'n Budget?

I guess it's too late to reply - but tied up with takeover business - 1.8 would be ok to use if not too late

-----Original Message-----

From: Schroeter, Tom EM:EX [SMTP:Tom.Schroeter@gems6.gov.bc.ca]
Sent: Monday, May 17, 2004 3:13 PM
To: 'fbakker@boliden-westmin.com'
Cc: Lefebure, Dave EM:EX
Subject: Myra Falls - 2004 Prelim Expl'n Budget?
Importance: High

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Ministry of Energy and Mines

Schroeter, Tom EM:EX

TO MYRA FALLS

From: Schroeter, Tom EM:EX
Sent: Thursday, April 08, 2004 9:19 AM
To: 'Finley Bakker'
Subject: RE: Expl'n at Myra Falls?

Thanks, very much, Finley. Will keep confidential. Good luck this summer.

Tom
Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Geological Survey and Development Branch
Mining and Minerals Division
Ministry of Energy and Mines

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-----Original Message-----

From: Finley Bakker [mailto:fbakker@boliden-westmin.com]
Sent: Thursday, April 08, 2004 9:17 AM
To: Schroeter, Tom EM:EX
Subject: RE: Expl'n at Myra Falls?

1.8 million is a better exploration number to use. We do have reserve numbers but they can't be released until the annual report is issued. I will give you the numbers with the understanding that they are not to be published until Boilden issues their report - but feel free to have a look at them - Finley

-----Original Message-----

From: Schroeter, Tom EM:EX [mailto:Tom.Schroeter@gems6.gov.bc.ca]
Sent: Thursday, April 08, 2004 8:37 AM
To: 'FBAKKER@mail.boliden-westmin.com'
Subject: Expl'n at Myra Falls?

Hi, Finley, just wondering how things are going over there? Have you got a confidential exploration budget (i.e. underground drilling, mainly for exploration/development) for 2004? I'm trying to guesstimate the total forecast expl'n expenditures for the Province. From our conversation last year at the mine, I have \$1.5M 'targeted' for expl'n at the mine in 2004. Am

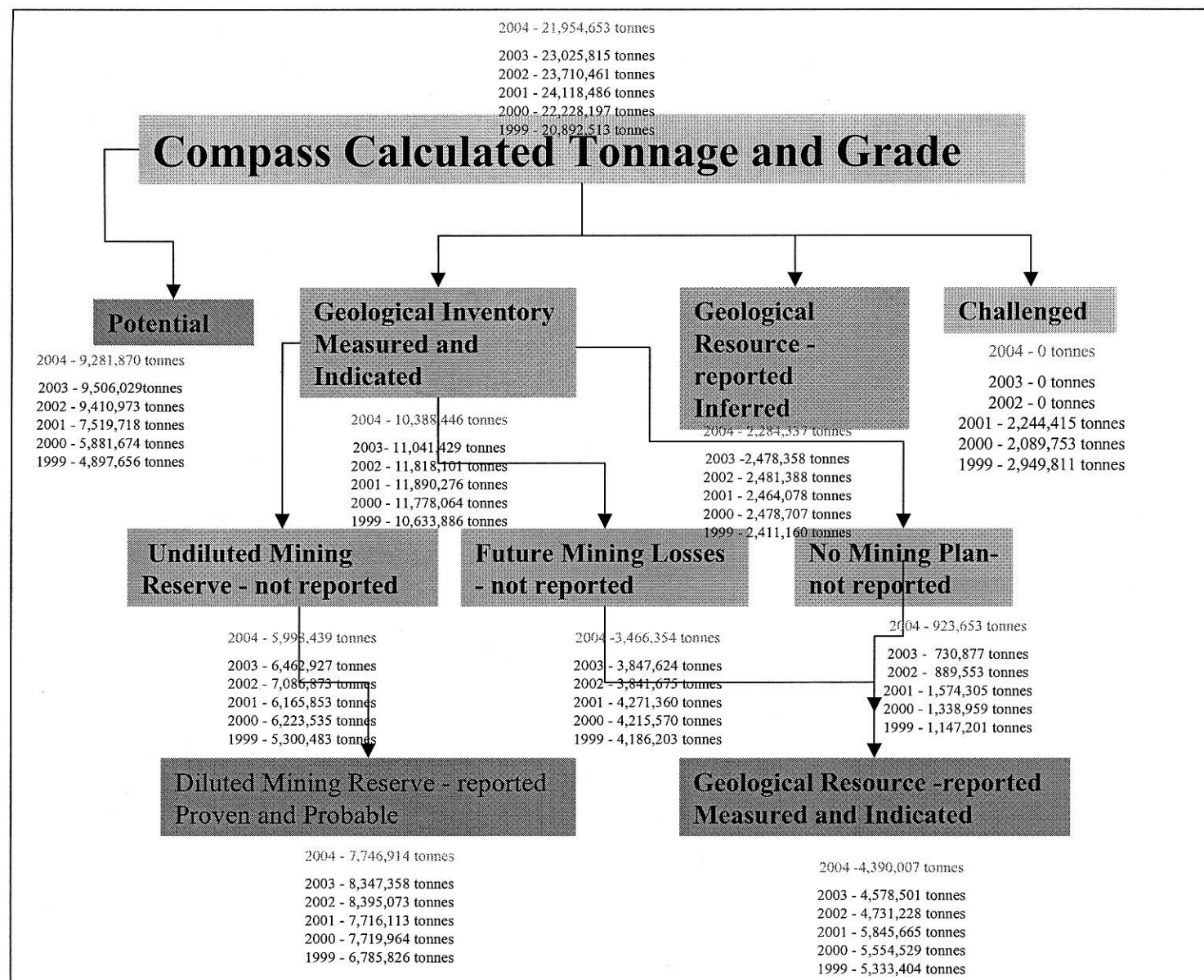
I in the ballpark? How are discussions/negotiations with Breakwater going?

Do you have a current Reserve/Resource estimate for the mine? Thanking you

in advance. Cheers,

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
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Flow Chart of Allocation of Tonnes

Geological Inventory - Measured and Indicated														
FEATURE		INSITU TONNES AND UNDILUTED GRADE												
Mine		TONNES	NSR	NSR1	AU g/t	AU1 g/t	AG g/t	AG1 g/t	CU %	PB %	ZN %	BA %	FE %	DEN
43-Block		632,851	\$ 71	\$ 73	1.93	2.17	37.36	42.91	1.59	0.44	5.38	1.67	13.11	3.27
Battle		3,000,609	\$ 104	\$ 108	1.03	1.44	51.82	70.23	1.45	0.85	11.60	2.51	10.14	3.31
Extension		261,381	\$ 67	\$ 67	1.16	1.24	28.90	30.70	1.69	0.35	5.37	2.63	23.71	3.77
Gap		514,836	\$ 142	\$ 143	2.40	2.50	129.21	133.43	2.02	1.03	14.08	12.02	14.40	3.89
HW-Mine		1,726,518	\$ 76	\$ 77	2.12	2.30	49.51	53.22	1.64	0.55	5.69	2.28	20.37	3.61
Total Measured		6,136,195	\$ 94	\$ 97	1.55	1.84	55.20	66.25	1.58	0.72	9.24	3.16	14.26	3.45
43-Block		149,910	\$ 34	\$ 36	0.78	1.06	18.70	25.53	0.77	0.32	2.62	1.01	7.93	3.01
6-Level		113,903	\$ 69	\$ 69	1.61	1.61	122.91	122.91	0.38	1.15	6.85	1.00	9.86	3.17
Battle		372,271	\$ 70	\$ 73	0.90	1.23	55.98	73.88	0.92	0.74	7.36	2.53	7.33	3.12
Extension		349,106	\$ 60	\$ 62	0.94	1.22	54.44	61.72	1.46	0.45	4.64	1.09	18.48	3.46
Gap		40,982	\$ 114	\$ 116	1.46	1.72	94.85	100.60	1.28	1.55	12.53	11.31	6.53	3.45
HW-Mine		1,581,560	\$ 48	\$ 50	1.79	2.09	26.40	30.80	1.27	0.25	2.72	1.42	27.49	3.85
Lynx		240,520	\$ 130	\$ 130	3.31	3.31	104.97	104.97	2.05	1.21	11.48	1.25	12.17	3.37
Marshall		589,330	\$ 65	\$ 65	2.05	2.05	98.81	98.81	0.57	0.76	5.82	7.19	4.22	3.09
Price		398,799	\$ 99	\$ 100	2.26	2.42	74.87	80.83	1.36	1.32	9.44	3.43	9.26	3.27
Ridge-West		415,870	\$ 88	\$ 88	2.27	2.27	76.50	76.50	1.05	0.93	8.45	0.90	6.40	3.07
Total Indicated		4,252,251	\$ 67	\$ 69	1.81	2.00	58.19	62.85	1.15	0.64	5.60	2.49	15.76	3.41
Total M + I		10,388,446	\$ 83	\$ 85	1.66	1.91	56.42	64.86	1.40	0.68	7.75	2.89	14.87	3.43
Geological Inventory - Inferred														
FEATURE		INSITU TONNES AND UNDILUTED GRADE												
Mine		TONNES	NSR	NSR1	AU g/t	AU1 g/t	AG g/t	AG1 g/t	CU %	PB %	ZN %	BA %	FE %	DEN
43-Block		10,664	\$ 87	\$ 88	3.35	3.39	69.69	70.40	1.37	2.02	6.72	1.43	15.59	3.44
6-Level		57,327	\$ 61	\$ 61	1.76	1.76	102.66	102.66	0.33	0.93	5.92	1.00	9.47	3.13
Battle		33,865	\$ 108	\$ 108	1.51	1.52	110.86	111.20	2.18	1.19	9.46	5.59	17.63	3.71
Extension		439,670	\$ 56	\$ 58	0.83	1.06	36.18	42.14	1.60	0.35	4.13	0.67	20.77	3.53
HW-Mine		49	\$ 49	\$ 49	1.60	1.60	113.90	113.90	0.34	1.56	3.95	2.16	2.14	2.90
Lynx		16,480	\$ 83	\$ 83	1.67	1.67	90.15	90.15	0.88	1.26	8.41	1.25	12.50	3.31
Marshall		621,036	\$ 49	\$ 49	1.33	1.33	62.81	62.81	0.44	0.51	4.73	5.03	4.83	3.03
Price		554	\$ 113	\$ 114	8.94	9.02	129.63	131.99	0.74	1.93	6.10	1.23	9.45	3.17
Ridge-East		326,461	\$ 48	\$ 48	0.80	0.80	41.10	41.10	0.70	0.77	4.68	1.33	12.00	3.21
Ridge-West		566,791	\$ 62	\$ 62	1.75	1.75	68.37	68.37	0.76	0.66	5.62	0.87	6.38	3.01
Trumpeter		211,440	\$ 90	\$ 90	2.44	2.44	57.68	57.68	3.35	0.29	3.85	2.31	16.95	3.42
Total Inferred		2,284,337	\$ 59	\$ 59	1.39	1.44	57.45	58.60	1.08	0.57	4.88	2.24	10.84	3.19

Not used in Boliden reports but I believe it is used by Breakwater

Notice the two NSR values reflecting whether Au, Ag or Au1, Ag1 Used as highlighted in 2003 Ore Reserves
Less than \$45 material in 43-Block reflects Clastic Material to be taken as part of mine design

Geological Resource - Measured and Indicated													
FEATURE		FUT-LOST	FUTURE LOST TONNES AND UNDILUTED GRADE										
Mine		TONNES	NSR	AU g/t	AU1 g/t	AG g/t	AG1 g/t	CU %	PB %	ZN %	BA %	FE %	DEN
43-Block		177,198	\$ 71	1.93	2.17	37.36	42.91	1.59	0.44	5.38	1.67	13.11	3.27
Battle		917,305	\$ 103	1.04	1.46	54.01	73.37	1.41	0.86	11.36	2.64	9.93	3.30
Extension		72,533	\$ 67	1.16	1.24	28.90	30.70	1.69	0.35	5.37	2.63	23.71	3.77
Gap		148,015	\$ 142	2.40	2.50	129.21	133.43	2.02	1.03	14.08	12.02	14.40	3.89
HW-Mine		500,112	\$ 73	2.04	2.23	46.97	50.96	1.63	0.50	5.43	2.00	21.18	3.63
Total Measured		1,815,164	\$ 93	1.52	1.82	55.57	67.42	1.55	0.72	9.12	3.13	14.26	3.44
43-Block		70,113	\$ 37	0.90	1.23	20.76	28.64	0.86	0.30	2.81	1.17	8.52	3.03
6-Level		113,903	\$ 69	1.61	1.61	122.91	122.91	0.38	1.15	6.85	1.00	9.86	3.17
Battle		149,088	\$ 72	0.85	1.19	48.11	63.98	0.95	0.65	7.89	2.27	7.54	3.12
Extension		96,877	\$ 60	0.94	1.22	54.44	61.72	1.46	0.45	4.64	1.09	18.48	3.46
Gap		34,673	\$ 114	1.56	1.84	80.59	87.14	1.13	1.72	12.88	12.58	6.20	3.49
HW-Mine		901,441	\$ 52	1.90	2.13	34.02	37.97	1.32	0.33	3.06	1.54	26.03	3.79
Lynx		227,778	\$ 129	3.38	3.38	104.36	104.36	2.01	1.21	11.37	1.23	12.14	3.36
Marshall		589,330	\$ 65	2.05	2.05	98.81	98.81	0.57	0.76	5.82	7.19	4.22	3.09
Price		154,292	\$ 98	2.83	3.10	101.29	110.20	1.19	1.44	8.88	3.56	8.69	3.24
Ridge-West		237,348	\$ 78	2.03	2.03	69.72	69.72	0.95	0.80	7.31	0.82	6.24	3.04
Total Indicated		2,574,843	\$ 69	1.99	2.13	68.18	71.59	1.09	0.69	5.80	3.00	14.13	3.36
Total M + I		4,390,007	\$ 79	1.80	2.00	62.97	69.86	1.28	0.70	7.17	3.06	14.18	3.39

Geological Inventory - Inferred													
FEATURE		INSITU TONNES AND UNDILUTED GRADE											
Mine		TONNES	NSR	AU g/t	AU1 g/t	AG g/t	AG1 g/t	CU %	PB %	ZN %	BA %	FE %	DEN
43-Block		10,664	\$ 87	3.35	3.39	69.69	70.40	1.37	2.02	6.72	1.43	15.59	3.44
6-Level		57,327	\$ 61	1.76	1.76	102.66	102.66	0.33	0.93	5.92	1.00	9.47	3.13
Battle		33,865	\$ 108	1.51	1.52	110.86	111.20	2.18	1.19	9.46	5.59	17.63	3.71
Extension		439,670	\$ 56	0.83	1.06	36.18	42.14	1.60	0.35	4.13	0.67	20.77	3.53
HW-Mine		49	\$ 49	1.60	1.60	113.90	113.90	0.34	1.56	3.95	2.16	2.14	2.90
Lynx		16,480	\$ 83	1.67	1.67	90.15	90.15	0.88	1.26	8.41	1.25	12.50	3.31
Marshall		621,036	\$ 49	1.33	1.33	62.81	62.81	0.44	0.51	4.73	5.03	4.83	3.03
Price		554	\$ 113	8.94	9.02	129.63	131.99	0.74	1.93	6.10	1.23	9.45	3.17
Ridge-East		326,461	\$ 48	0.80	0.80	41.10	41.10	0.70	0.77	4.68	1.33	12.00	3.21
Ridge-West		566,791	\$ 62	1.75	1.75	68.37	68.37	0.76	0.66	5.62	0.87	6.38	3.01
Trumpeter		211,440	\$ 90	2.44	2.44	57.68	57.68	3.35	0.29	3.85	2.31	16.95	3.42
Total Inferred		2,284,337	\$ 59	1.39	1.44	57.45	58.60	1.08	0.57	4.88	2.24	10.84	3.19

Geological Resource as reported by Boliden but not Breakwater
Less than \$45 material in 43-Block reflects Clastic Material to be taken as part of mine design

Diluted Mining Reserve - Proven and Probable														
FEATURE	EXTRN	TOTAL	DILUTED TONNES AND DILUTED GRADE											
Mine	FACTOR	DILN	TONNES	NSR	AU g/t	AU1 g/t	AG g/t	AG1 g/t	CU %	PB %	ZN %	BA %	FE %	DEN
43-Block	72%	28%	582,910	\$ 55	1.51	1.69	29.21	33.54	1.24	0.34	4.21	1.30	10.25	3.12
Battle	69%	33%	2,763,398	\$ 79	0.77	1.08	38.34	51.90	1.10	0.64	8.82	1.85	7.71	3.14
Extension	72%	31%	247,391	\$ 51	0.89	0.95	22.06	23.44	1.29	0.27	4.10	2.01	18.10	3.45
Gap	71%	30%	476,867	\$ 110	1.84	1.92	99.40	102.64	1.55	0.79	10.83	9.25	11.08	3.53
HW-Mine	71%	25%	1,529,054	\$ 61	1.73	1.87	40.54	43.43	1.32	0.45	4.65	1.92	16.08	3.38
Total Proven	70%	30%	5,599,619	\$ 73	1.20	1.42	42.47	50.74	1.22	0.55	7.17	2.45	11.00	3.24
43-Block	53%	33%	106,322	\$ 23	0.50	0.68	12.68	17.11	0.52	0.25	1.85	0.65	5.57	2.91
6-Level	0%	0%	-	\$ -	-	-	-	-	-	-	-	-	-	2.70
Battle	60%	31%	291,341	\$ 52	0.71	0.97	46.90	61.66	0.69	0.61	5.37	2.07	5.50	3.00
Extension	72%	31%	330,420	\$ 46	0.72	0.93	41.56	47.11	1.11	0.34	3.55	0.83	14.11	3.24
Gap	15%	30%	8,202	\$ 89	0.69	0.85	133.23	134.31	1.63	0.44	8.14	3.30	6.42	3.11
HW-Mine	43%	22%	831,835	\$ 35	1.35	1.66	13.32	17.42	0.99	0.11	1.85	1.03	24.07	3.63
Lynx	5%	115%	27,452	\$ 68	1.02	1.02	53.77	53.77	1.28	0.57	6.22	0.76	5.94	3.00
Marshall	0%	0%	-	\$ -	-	-	-	-	-	-	-	-	-	2.70
Price	61%	30%	317,859	\$ 76	1.46	1.54	44.77	47.92	1.13	0.95	7.54	2.58	7.41	3.13
Ridge-West	43%	31%	233,863	\$ 78	1.98	1.98	65.28	65.28	0.90	0.84	7.61	0.77	5.05	3.00
Total Probable	52%	29%	2,147,295	\$ 50	1.20	1.41	33.48	38.61	0.96	0.43	4.14	1.33	14.26	3.27
Total Prov/Prob	65%	29%	7,746,914	\$ 67	1.20	1.42	39.98	47.38	1.15	0.52	6.33	2.14	11.91	3.25

**Mining Reserve showing dilution and recovery factors
Reported by Breakwater and Boliden**

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Thursday, April 08, 2004 8:37 AM
To: 'FBAKKER@mail.boliden-westmin.com'
Subject: Expl'n at Myra Falls?

Hi, Finley, just wondering how things are going over there? Have you got a confidential exploration budget (i.e. underground drilling, mainly for exploration/development) for 2004? I'm trying to guesstimate the total forecast expl'n expenditures for the Province. From our conversation last year at the mine, I have \$1.5M 'targeted' for expl'n at the mine in 2004. Am I in the ballpark? How are discussions/negotiations with Breakwater going? Do you have a current Reserve/Resource estimate for the mine? Thanking you in advance. Cheers,

Tom

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Geological Survey and Development Branch
Mining and Minerals Division
Ministry of Energy and Mines

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email tom.schroeter@gems6.gov.bc.ca
Autotel 604 662-9091

Schroeter, Tom EM:EX

From: Lefebure, Dave EM:EX
Sent: Tuesday, February 17, 2004 10:04 AM
To: Grant, Brian EM:EX; McArthur, Gib EM:EX; Pardy, Jamie EM:EX; Schroeter, Tom EM:EX
Subject: FW: Myra Falls

-----Original Message-----

From: Webster, Ian EM:EX
Sent: Tuesday, February 17, 2004 8:53 AM
To: Lefebure, Dave EM:EX
Subject: Myra Falls

FYI.....

Myra Falls

The Northern Miner Online
Breakwater eyes Myra Falls
2/16/2004

Breakwater Resources (BWR-T) has agreed to acquire the Myra Falls zinc-copper mine on Vancouver Island from Swedish miner Boliden (BLS-T).

Breakwater will issue 18 million shares plus 5 million warrants to Boliden. Each warrant is good for an additional share at \$1 apiece until Jan. 28, 2009. The deal is expected to close early in the second quarter of 2004, pending due diligence by both companies, a definitive agreement, and approval by regulators and both companies' boards.

In 2003, the 1.25-million-tonne-per-year underground mine and processing facility produced 57,400 tonnes zinc, 10,700 tonnes copper, 27,300 oz. gold and 720,900 oz. silver. Boliden says the production figures are lower than expected, owing to the mining of lower-grade ores. Still, the mine's costs have been improving since completion of a cost-reduction and efficiency program in 2002.

Boliden has owned Myra since 1988; the operation, which comprises two integrated underground mines and one concentrator, has been in production since 1966. The operation comes complete with a storage and loading terminal in nearby Campbell River, B.C.

At the beginning of 2002, proven reserves at Myra Falls totalled 6.5 million tonnes grading 7.5% zinc, 1.4% copper, 0.5% lead, 1.4 grams gold and 46 grams silver per tonne. Probable reserves amounted to 1.9 million tonnes grading 5.2% zinc, 1.1% copper, 0.5% lead, 1.5 grams gold and 43 grams silver.

"The sale of Myra Falls is a logical step now that we have completed the transaction with Outokumpu," says Boliden CEO Jan Johansson. "We can now concentrate on integrating the acquired mining and smelting operations in the new Boliden."

Late last year, Boliden and Outokumpu pulled off an asset swap that saw the Finn's remaining mining assets transferred to the Swede in exchange for a 49% shareholding in the reorganized Boliden. Boliden expects to realize a minor capital gain on the sale.

The news sent shares in Breakwater a nickel, or 7.5%, higher to 72¢ in early afternoon trading in Toronto on Feb. 16.

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, September 12, 2003 8:13 AM
To: 'fbakker@connected.bc.ca'
Subject: RE: VIX Visit to Myra Falls-Oct. 21st

TGS → Myra Falls

Finley, thanks very much. I look forward to seeing/chatting with you during the mine visit. If you have the info you discuss in your email prior to my arrival, I would be very pleased to receive a copy of it, so we can discuss any specific details during the visit? Exploration in BC is definitely picking up; in fact some might say we've just caught a "wave" and are ready (bracing) for quite a ride over the next few years (finally!). I look forward to providing more details during the visit. Cheers,

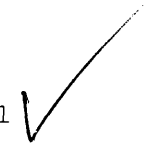
Tom
Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
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email tom.schroeter@gems6.gov.bc.ca
Autotel 604 662-9091

-----Original Message-----

From: Finley Bakker [mailto:fbakker@connected.bc.ca]
Sent: Thursday, September 11, 2003 6:37 PM
To: Schroeter, Tom EM:EX
Subject: RE: VIX Visit to Myra Falls-Oct. 21st

i am holidays right now - back next week - i will try and put something together before you arrive
i can give you meters drilled, \$ spent, exploration drifting, targets, reserves and a preliminary proposal for a 5 yr exploration plan - it will probably best to combine "definition drilling" with exploration drilling since most of it is drilling in the indicated inferred categories - very little is in the measured - we can discuss this later - Finley



-----Original Message-----

From: Schroeter, Tom EM:EX [SMTP:Tom.Schroeter@gems6.gov.bc.ca]
Sent: Thursday, September 11, 2003 2:56 PM
To: 'achong@boliden-westmin.com'
Cc: 'fbakker@boliden-westmin.com'
Subject: VIX Visit to Myra Falls-Oct. 21st

Hi Albert and Finley: I'm very much looking forward to visiting the minesite

and chatting with you folks, as part of the Vancouver Island Exploration Group's visit scheduled for Tuesday, October 21st. My colleague, Mike Cathro, Regional Geologist in our Kamloops office, will also be on the tour.

Because we (MEM) closed our Nanaimo office this Spring, the task of following/monitoring exploration projects on Vancouver Island has fallen in Mike's and my hands. Thus, I'm wondering if we could impose on you for a few

moments sometime during this visit to get an update of not only your exploration activities (e.g. estimated expl'n budget, drilling stats, targets, etc.) but also some mining stats (e.g. estimated/projected production for calendar year 2003, along with any comment about existing reserves/resources and mine life). As in previous years, this information

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Tuesday, October 28, 2003 3:11 PM
To: Bakker Finley (E-mail)
Cc: 'dbazowski@boliden-westmin.com'; 'achong@boliden-westmin.com'
Subject: Myra Fall Visit-Oct. 21st

Finley/David/Albert: Thanks very much to all of you for your kind hospitality last Tuesday on the VIX mine tour. I am very pleased to see the positive progress being made at the mine, despite the obvious 'setback' on the power issue. I am particularly pleased to hear that the 'Exploration Team' concept is being reassembled and has put forth a good plan for the next 5 years. As I mentioned during my visit, exploration around the province this year has picked up, in what I call a major 'positioning' mode for next year. Many financings came through late in the year; some companies chose to spend some \$ this fall, some chose to defer their programs until next year. And, of course, many programs were either delayed or postponed because of the fire situation. And recently the early snows have curtailed most (but not all) the programs in the north. There are several new discoveries this year, most on previously-staked ground; however, it's only a matter of time 'till one or more 'big' ones are made (next year). As I mentioned to Finley, I expect that the annual Cordilleran Exploration Roundup Meeting in Vancouver, Jan. 25-29/04 will be a very upbeat affair, with lots of 'wheeling and dealing' going on. The technical program will be excellent, as usual. And to top it off, the networking opportunities will be fantastic. [Check: www.chamberofmines.bc.ca/roundupoverview].

I would encourage Boliden-Westmin to become part of the revitalization of the mining industry (especially the exploration side) by attending part or all of the Conference. I know there are lots of folks who are wondering just what's happening 'over there'.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Resource Development Division
Ministry of Energy and Mines

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email tom.schroeter@gems6.gov.bc.ca
Autotel 604 662-9091

Schroeter, Tom EM:EX

From: Finley Bakker [FBAKKER@mail.boliden-westmin.com]
Sent: Tuesday, October 28, 2003 3:37 PM
To: Schroeter, Tom EM:EX
Subject: RE: Myra Fall Visit-Oct. 21st

wonderful way of putting things - i am sure Dave will want to attend (just a bit of a snide comment) - thanks for the positive feedback

> -----Original Message-----

> From: Schroeter, Tom EM:EX [SMTP:Tom.Schroeter@gems6.gov.bc.ca]
> Sent: Tuesday, October 28, 2003 3:11 PM
> To: Bakker Finley (E-mail)
> Cc: 'dbazowski@boliden-westmin.com'; 'achong@boliden-westmin.com'
> Subject: Myra Fall Visit-Oct. 21st

>

> Finley/David/Albert: Thanks very much to all of you for your kind
> hospitality last Tuesday on the VIX mine tour. I am very pleased to see the
> positive progress being made at the mine, despite the obvious 'setback' on
> the power issue. I am particularly pleased to hear that the 'Exploration
> Team' concept is being reassembled and has put forth a good plan for the
> next 5 years. As I mentioned during my visit, exploration around the
> province this year has picked up, in what I call a major 'positioning' mode
> for next year. Many financings came through late in the year; some companies
> chose to spend some \$ this fall, some chose to defer their programs until
> next year. And, of course, many programs were either delayed or postponed
> because of the fire situation. And recently the early snows have curtailed
> most (but not all) the programs in the north. There are several new
> discoveries this year, most on previously-staked ground; however, it's only
> a matter of time 'till one or more 'big' ones are made (next year). As I
> mentioned to Finley, I expect that the annual Cordilleran Exploration
> Roundup Meeting in Vancouver, Jan. 25-29/04 will be a very upbeat affair,
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> I would encourage Boliden-Westmin to become part of the revitalization of
> the mining industry (especially the exploration side) by attending part or
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> Tom
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>

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, November 10, 2003 4:39 PM
To: Bakker Finley (E-mail)
Subject: GAC-MAC-SEG Field Trip - Myra Falls Overview

Finley et al. - Thanks very much for the colour copy of your Overview. I hadn't seen it. Congratulations on putting this together. I wonder if it might be possible (at your convenience, of course) to get digital copies of the following figures, for future 'overview' talks? - Figs. 2, 3, 4, 5, 6, 7, 8, 9, 10, 13 and 14. Cheers, Tom.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Resource Development Division
Ministry of Energy and Mines

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MYRA FALLS - 2002

	2002	cf. 2001
Copper (tonnes)	6 775	-49%
Zinc (tonnes)	50 356	-13%
Gold (ounces)	19 881	-2%
Silver ($\times 10^3$ oz)	601	+55%

MYRA FALLS Mar. 27/02
Cont. disc. with Duane Anders.
Bol. den est. cap. cost of power
line (hook in with grid) ~ \$14.5M
- Govt - lower permitting/reclamation
bonding = \$9-\$15M annual hydro
revenue

* Prod. temp. suspended Dec. 2001 to end Mar. 2002

1987-
PRODUCTION (to end '98)

19.3M
tonnes
milled

Zn = 864, 997, 740 kg
Pb = 66, 829, 835 kg
Cu = 322, 368, 763 kg
Ag = 782, 217 kg
Au = 23, 031 kg

r, Tom EM:EX

✓ → MYRA
FALLS

Schroeter, Tom EM:EX
Tuesday, March 18, 2003 10:12 AM
Houle, Jacques EM:EX
RE: "Gold in BC" Handout for Investment Conference

Subject:

Thanks, Jacques.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Resource Development Division
Ministry of Energy and Mines

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Facsimile 604 775-0313
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-----Original Message-----

From: Houle, Jacques EM:EX
Sent: Tuesday, March 18, 2003 10:07 AM
To: Schroeter, Tom EM:EX
Subject: RE: "Gold in BC" Handout for Investment Conference

Tom, sorry I have been negligent with weekly reports, but I visited Myra Falls last week, and can field most questions you may have. As per my regional summary in EMBC-2002, as taken from Boliden press releases, Myra Falls is not actively for sale but rather is now valued by the parent company as a high grade ore source. However, this probably reflects Boliden's recent financial improvement (less desperate), which could reverse if they fail to make a significant debt payment due in July, 2003. Therefore, the "recently for sale" noted in the Gold Opportunities brochure is still appropriate, since it remains one of their few non-Scandinavian assets. The tailings paste fill plant is about 75% complete and will be commissioned in June. They are planning a \$600,000 exploration program on the minesite in 2003, probably in the last half. They are also actively lobbying government for increased hydro capacity, powerline connection and the right to custom milling. With reduced costs and increased revenues from these projects, they could afford to put in a new surface ramp which could ultimately double the mine life. Things are looking up!

Cheers,
J.

-----Original Message-----

From: Schroeter, Tom EM:EX
Sent: Tuesday, March 18, 2003 9:29 AM
To: Houle, Jacques EM:EX
Subject: RE: "Gold in BC" Handout for Investment Conference

Thanks, Jacques - you're in! Can you confirm/deny that Myra Falls is no longer "For Sale"? Someone at PDAC told me that he thought that it wasn't (i.e. as openly/aggressively as in the past); that Boliden was now concentrating on getting on with development and mining. Can you confirm with the mine (Finley Bakker), or would you like me to contact him (I don't mind). One of my slides on Myra Falls in my PDAC presentation "Golden Opportunities in BC" included reference to the mine still being "For Sale" - so I need to check. Thanks.

Tom

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Schroeter, Tom EM:EX

7:08 → Myra
Fall

From: Schroeter, Tom EM:EX
Sent: Wednesday, July 09, 2003 1:57 PM
To: Smyth, Ron EM:EX
Subject: RE: Mining company not allowed to siphon water from lakes in Strathcona Park - CBC News

Thanks, Ron. - Yikes! No, I don't usually see these. This needs some 'massaging'.

Tom

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Ministry of Energy and Mines

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-----Original Message-----

From: Smyth, Ron EM:EX
Sent: Wednesday, July 09, 2003 1:52 PM
To: Schroeter, Tom EM:EX
Subject: FW: Mining company not allowed to siphon water from lakes in Strathcona Park - CBC News

Hi Tom,

Not sure if you get the PAB news.

-----Original Message-----

From: PAB Media Monitoring PAB:EX
Sent: Wednesday, July 09, 2003 12:41 PM
Subject: Mining company not allowed to siphon water from lakes in Strathcona Park - CBC News

Media Monitoring Radio

Mining company not allowed to siphon water from lakes in Strathcona Park - CBC News Noon
- June 9, 2003

Newsreader: A mining company on Northern Vancouver Island will not be allowed to siphon water from two wilderness lakes in Strathcona Park. The decision by the B.C. government is a setback for the company but a victory for environmentalists. Jeff Davies reports;

Jeff Davies: Boliden Westmin operates the Myra Falls Mine in Strathcona Park near Campbell River. The mining operation and the park have managed to coexist for more than 35 years. But last year environmentalists were alarmed when they learned the mine owners had a plan to siphon water from two wilderness lakes in the park. Boliden Westmin wanted to generate electricity for the mine and sell some power to B.C. Hydro. It promoted the proposal as an environmentally friendly alternative to diesel power generation. But environmentalists said allowing a mining company to drain water from lakes in a wilderness park would set a dangerous precedent. Now the Minister for Water, Land and Air Protection Joyce Murray says the proposal is not consistent with the B.C. government's policies.

Joyce Murray: We as a government have a new era commitment to not have mining and logging in parks.

Jeff Davies: Eva Riccius from the Canadian Parks and Wilderness Society welcomes the minister's decision.

Eva Riccius: It really reaffirms that parks are special places for people and for nature.

Jeff Davies: The minister says the government is looking for ways to generate more money from commercial recreation but she draws the line at heavy industry in parks. Jeff Davies, CBC News, Victoria.

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24/7 Line: 356-0881

Schroeter, Tom EM:EX

VIS → MYRA
FALLS

From: Schroeter, Tom EM:EX
Sent: Thursday, September 11, 2003 2:56 PM
To: 'achong@boliden-westmin.com'
Cc: 'fbakker@boliden-westmin.com'
Subject: VIX Visit to Myra Falls-Oct. 21st

Hi Albert and Finley: I'm very much looking forward to visiting the minesite and chatting with you folks, as part of the Vancouver Island Exploration Group's visit scheduled for **Tuesday, October 21st**. My colleague, Mike Cathro, Regional Geologist in our Kamloops office, will also be on the tour. Because we (MEM) closed our Nanaimo office this Spring, the task of following/monitoring exploration projects on Vancouver Island has fallen in Mike's and my hands. Thus, I'm wondering if we could impose on you for a few moments sometime during this visit to get an update of not only your exploration activities (e.g. estimated expl'n budget, drilling stats, targets, etc.) but also some mining stats (e.g. estimated/projected production for calendar year 2003, along with any comment about existing reserves/resources and mine life). As in previous years, this information would be used in our annual "Exploration Review" which will be released during Roundup late January, 2004 in Vancouver. If you provide any CONFIDENTIAL information which you might think would be useful in our work, we certainly would respect and adhere to that. In case we are 'rushed' or don't get ample opportunity to discuss this matter during the visit, I wonder if you might have time to provide some of the info in hard copy (or email later?) and hand it to us? Thanks for your attention. Hope things are going well on site.

Tom

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Schroeter, Tom EM:EX

VB → MYRA
FALLS

From: Lefebure, Dave EM:EX
Sent: Friday, September 12, 2003 8:46 AM
To: Hermann, Fred EM:EX
Cc: Anderson, Duane EM:EX; Errington, John EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; McKillop, Greg EM:EX; Schroeter, Tom EM:EX; Stewart, Linda EM:EX
Subject: Boliden and Outokumpu to create a world-leading mining and smelting company

From the Boliden web page. This may be followed shortly by Outokumpu getting involved in the Myra Falls operation according to rumours that Fred is hearing.

<http://www.boliden.ca/index.htm>

<http://www.outokumpu.com/index.htm>

Dave.

Boliden and Outokumpu to create a world-leading mining and smelting company - Publ. 2003-09-08 STOCK EXCHANGE RELEASE
17/2003
Stockholm
September 8th 2003

Boliden and Outokumpu have signed a Letter of Intent whereby Boliden intends to acquire Outokumpu's mining and smelting operations within zinc and copper and to sell its Fabrication and Technology Sales units to Outokumpu. Through the transaction, Outokumpu will become a major shareholder in New Boliden. As a result of the transaction, New Boliden will become one of the world's leading smelting companies and the fourth largest zinc mining company in the world. The combination will also create a stronger company with increased financial and operational flexibility and potential for future growth.

The assets, which Boliden intends to acquire from Outokumpu will double the size of Boliden, and are:

- Tara zinc mine in Ireland;
- Zinc smelters in Kokkola, Finland and in Odda, Norway;
- Outokumpu Zinc Commercial in the Netherlands;
- Copper smelter in Harjavalta, Finland; and
- Copper refinery in Pori, Finland.

See web page for more.

David Lefebure

Acting Chief Geologist
Geosciences, Research and Development Branch
BC Ministry of Energy and Mines
(250) 952-0374
cell (250) 360-7793

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, September 12, 2003 10:30 AM
To: Lefebure, Dave EM:EX
Subject: RE: Boliden and Outokumpu to create a world-leading mining and smelting company

Not yet - I'm visiting the site with Mike Cathro on Oct. 21st, as part of the Vancouver Island Exploration Group tour. I am liaising with the geologists onsite regarding info for the "2003 Expl'n Review", and will obviously include Mike.

Tom

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-----Original Message-----

From: Lefebure, Dave EM:EX
Sent: Friday, September 12, 2003 9:44 AM
To: Schroeter, Tom EM:EX
Subject: FW: Boliden and Outokumpu to create a world-leading mining and smelting company

Tom:

Do you know any information?

Dave

-----Original Message-----

From: Lefebure, Dave EM:EX
Sent: Friday, September 12, 2003 8:46 AM
To: Hermann, Fred EM:EX
Cc: Anderson, Duane EM:EX; Errington, John EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; McKillop, Greg EM:EX; Schroeter, Tom EM:EX; Stewart, Linda EM:EX
Subject: Boliden and Outokumpu to create a world-leading mining and smelting company

From the Boliden web page. This may be followed shortly by Outokumpu getting involved in the Myra Falls operation according to rumours that Fred is hearing.

<http://www.boliden.ca/index.htm>

<http://www.outokumpu.com/index.htm>

Dave.

Boliden and Outokumpu to create a world-leading mining and smelting company - Publ. 2003-09-08
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17/2003
Stockholm
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Boliden and Outokumpu have signed a Letter of Intent whereby Boliden intends to acquire Outokumpu's mining and smelting operations within zinc and copper and to sell its Fabrication and Technology Sales units to Outokumpu. Through the transaction, Outokumpu will become a major shareholder in New Boliden.

TGS → Reg. M.
Nanaimo

Schroeter, Tom EM:EX

From: Hall, Ted EM:EX
Sent: Friday, March 15, 2002 1:49 PM
To: Anderson, Duane; Beckett, Carla EM:EX; Bergen, Wally; Beswick, Ed; Booth, Richard; Carr, Chris; Carriere, Greg; Carter, Tom; Cheetham, Pat; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Guthrie, Shelley; Hermann, Fred; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthe; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Murphy, Maureen EM:EX; O'Rourke, Patrick; Phelan, Bill; Pinsent, Robert; Randall, Alf; Reid, Bruce; Rennie, Lorna; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Stewart, Linda; Taje, Eddy; Thomas, Hayley EM:EX; Whale, Andrew; White, Don; Wishlow, Wayne
Subject: Southwest Region Update - March 15, 2002

ISSUES:

- Drilling operations at the Jameson Road Quarry in Nanaimo this week led to numerous complaints from local residents regarding excessive noise. Initially, it was determined that the dust collection cyclone on the hydraulic drill was emanating an intrusive high-pitched whine, but the complaints continued even after adjustments were made to reduce the pitch of the cyclone noise. Noise monitoring data collected by the operator indicate that the quarry is operating within the permitted 55 dBA limit, however Art Parker has undertaken an independent monitoring program to confirm the results of the company's monitoring, and to make possible recommendations for future noise monitoring. It is anticipated that drilling will be completed by Tuesday, to be followed by a large blast which will be monitored by MEM inspectors.
- *Cogburn* Uncertainty regarding First Nations consultation requirements in the aftermath of the Haida decision is creating havoc with regional Notice of Work referral processes and creating costly delays in rendering timely permitting decisions. It appears that many small bands under the umbrella Sto:lo Nation are now coming out of the wordwork and claiming an interest in projects which appear to be outside their traditional territories. Policy direction is needed soon on how far projects like the Cogburn Magnesium exploration program and Bristol Island placer operation can be risk-managed with this new level of uncertainty.
- A Powell River resident is seeking an appeal of the Cranberry gravel pit permit decision under either s.33 or s.11 of the *Mines Act*, and has threatened to make the decision a *Charter of Rights and Freedoms* issue if unsuccessful in getting a hearing from the Chief Inspector or Minister.

FYI:

Myra Falls Boliden Limited has announced that production will resume at the Myra Falls Operations on or about March 23rd. This decision follows agreements reached with employees, unions, suppliers and customers on an extensive operations plan which will see the workforce reduced by 17%, and other concessions made on wages and contracts with suppliers and contractors. This will end the 4-month suspension of operations, and is expected to result in an operating profit for the mine by the 3rd quarter of 2002.

- *Alberni Aggregate (new)* The VIMDRC and Polaris Minerals Corp. hosted a productive orientation field tour and pre-application meeting for the proposed Alberni Aggregate Project on Alberni Inlet near Port Alberni. The project contains a resource of 500 million tonnes of high quality rock, expected to supply California markets with up to 6 million tonnes per year of construction aggregate for about 100 years. This project has the potential to become a world class, low cost producer of aggregate thanks to its excellent location, adjacent deep water and available local infrastructure, and all participants in the tour indicated guarded support for the project.

Ted Hall

Regional Manager (Southwest)
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Nanaimo, BC V9T 6J9
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email: ted.hall@gems1.gov.bc.ca

Schroeter, Tom EM:EX

TBE → Reg. Mgr
Nanaimo

From: Hall, Ted EM:EX
Sent: Friday, March 01, 2002 12:51 PM
To: Anderson, Duane; Beckett, Carla EM:EX; Bergen, Wally; Beswick, Ed; Booth, Richard; Carr, Chris; Carriere, Greg; Carter, Tom; Cheetham, Pat; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Guthrie, Shelley; Hermann, Fred; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthe; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Murphy, Maureen EM:EX; O'Rourke, Patrick; Phelan, Bill; Pinsent, Robert; Puggioni, Giovanni WLAP:EX; Randall, Alf; Reid, Bruce; Rennie, Lorna; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Stewart, Linda; Taje, Eddy; Thomas, Hayley EM:EX; Whale, Andrew; White, Don; Wishlow, Wayne
Cc: Jakobsen, Dorthe SRM:EX
Subject: Southwest Region Update - March 1, 2002

ISSUES:

- DFO are again flexing their muscles on the Fraser River, refusing to issue *Fisheries Act* approvals for two gravel removal projects without a CEAA screening and further consultations with First Nations. The projects involve the extraction of gravel from the Hamilton Bar and Harrison Bar as part of a flood control strategy under the Fraser River Management Plan, which was developed in consultation with local, provincial, federal and First Nations governments. Although all provincial permits and approvals are in place and equipment is standing by, the DFO position will likely delay the project beyond the window of opportunity for instream works.
- *Mines Act* approvals for the Phase 2 drilling program on the Leader Mining - Cogburn Magnesium Project have been delayed by at least a week in order to accommodate further consultations with the Cheam and Chehalis Indian Bands. At a meeting of MEM reps with the Cheam Band on February 21st, the Chief refused to engage in good faith consultation. In a phone call with the Community Economic Development Manager for the Chehalis Band, the offer of a face-to-face meeting was turned down, and the Band refuses to consult until traditional use studies and archaeological studies are done. Subject to AG approval, it is expected that MEM will issue approvals to proceed with the project next week. Although there is some risk of backlash from the two Bands, Leader is also faced with the risk of losing its financial backers if the project is unreasonably delayed.
- A trespasser was killed in the Nicomen Aggregates Ltd. - Deroche Pit on February 23rd when the 4X4 vehicle he was driving rolled down an embankment, throwing the victim out. The mine was properly secured at the time, and the victim was believed to be under the influence of alcohol. This is being treated as a non-mining fatality, and an investigation is being conducted by the RCMP.
- Copcan Contracting Ltd. is becoming increasingly frustrated by the lack of a Supreme Court decision on the Jameson Road Quarry judicial review, which was promised for last December. Uncertainty caused by the delay has prevented Copcan from developing the quarry to date, and with drilling and blasting operations limited to the window between November 1st and March 31st, the opportunity to commence operations this winter is rapidly disappearing.

FYI:

- Boliden Myra Falls Operations has successfully concluded a Memorandum of Agreement with Union membership, which will help pave the way for a re-opening of the mine in mid-March. A decision to re-open also requires an agreement on financing for a new paste tailings facility, and financial support from Boliden's customers to provide working capital upon startup. In the meantime, breakthrough has been achieved on a new internal ramp, and the hoist rebuild program has been completed. It is hoped that implementation of Boliden's 2002 operating plan will put the mine back on a sound financial basis.
- Priority Ventures Ltd. have collared a coalbed methane production well in the Dove Creek area near Courtenay, under a well authorization permit issued by the Oil & Gas Commission. A joint venture was also announced (Priority 55%) with Methane Gas Canada to fund at least \$250,000 of coalbed methane exploration on Priority's coal leases in the Suquash Basin on northern Vancouver Island.
- Interest in placer mining on Vancouver Island seems to be on the rise, with recent requests for new placer,

- San Juan R. + Minette CK areas - Port Renfrew + China CK,

Schroeter, Tom EM:EX

TGS → RG
— Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, February 15, 2002 4:15 PM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Jakobsen, Dorthe SRM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Schroeter, Tom EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for February 9-15, 2002

Mineral Exploration Activity:

- **SYMC Port Alberni Area Macktush/Dauntless Cu-Au-Ag Projects Update:** Assistance provided to Herb McMaster of SYMC with deficiencies in Notice of Work applications for multiple exploration and bulk sampling projects; Nanoose-based mineral exploration consultant David Pawliuk (ex-BHP with Vancouver Island porphyry experience) introduced to Herb and the projects to possibly help with exploration work.
- **Beau Pre Sooke Area Valentine Mountain Au Project Update:** Bob Beaupre is raising more exploration funding through private placements using flowthrough shares.
- **Boliden-Westmin Campbell River Area Myra Falls Cu-Zn-Au-Ag Operation Update:** Ivor McWilliams, Chief Geologist, indicated that although year-end reserves are not yet publicly available they are complete and awaiting corporate blessings, and show that the mine successfully replaced its mined reserves and mineral resources through definition/exploration drilling, and data re-interpretation; the mine is still scheduled to re-open on March 4, pending receipt of a go-ahead from the president of the company, who visited the operation in early February.
- **Better Resources Courtenay Area Mt. Washington Project Update:** Cliff Rennie of Better submitted what appears to be a sample of porphyritic mafic intrusive from a recent forestry roadcut through the Oyster Breccia.
- **Leader Mining Hope Area Cogburn Mg Project Update:** Press release issued February 13 with list of selected project contractors and consultants (16 in all) whose interim mandate will be to complete a feasibility study by mid-December, 2002.

Government/Ministry Activity:

- **Exploration and Mining in B.C. - 2001:** Most final papers posted on ministry Orchid I:drive, including 4 of 5 Part A papers from Regional Geologists; and all 4 industry plus 1 of 3 government papers for Part B; first draft of Foreward complete, edited and awaiting feedback; everything looking good for desktopping deadline of February 22.
- **Springwood Middle School (Parksville) Geology Presentation:** Presentation in preparation for a 1 hour outline of local geology to a grade 6 french immersion class, scheduled for February 20.
- **Vancouver Island Introductory Prospecting Courses:** Tentative plans in progress to hold a few introductory prospectors courses throughout Vancouver Island in the spring/summer.

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fax (250) 751-7373
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Schroeter, Tom EM:EX

TJS → RF
— Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, April 05, 2002 9:43 AM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Jakobsen, Dorthe SRM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX
Subject: Houle Weekly Report for March 29 - April 5

Industry Activity:

- **Boliden-Westmin Myra Falls Operation Update:** Mining and milling operations resumed at the Myra Falls massive sulphide mine on March 23, with a reduced workforce and milling rate of 3100 tpd; the former Chief Geologist, Lor McWilliams, is now Mine Superintendent, Finlay Bakker is acting Chief Geologist, and several mine geologists left the mine during the 4 month shutdown to find work elsewhere, leaving a vacancy which they are trying to fill; Exploration Geologist Sean McKinley has been re-assigned to Mine Geology, and no exploration is planned at the mine by Boliden in 2002 as part of the fiscal restraint program aimed at achieving profitability by the third quarter of 2002; to preserve capital, the mine has reached an agreement with Outokumpu to lease and operate a new paste backfill plant at Myra Falls; the Myra Falls Operation is still looking for custom high grade sulphide mill feed (delivered) to meet their 4000 tpd mill capacity, and is also still for sale by Boliden.
- **Shearer/Lehigh North Vancouver Island Update:** Jo Shearer of Homegold and Ron Savelief of Lehigh Cement are investigating new opportunities in North Vancouver Island for both industrial minerals and precious metals; advice was provided to them on geophysical data compilation options for both target types; several new claims were staked in the area between the former Island Copper Mine and Hushamu/Red Dog prospects, as Moraga/BHP allow claims to lapse; In 2002, a 2000 tonne bulk sample of magnetite ore is planned from Shearer's Iron Ross property near Sayward; and a 600 meter drilling program is planned targeting kaolinite at the Pem 100 project on the Apple Bay property near Port Hardy; work is also planned at the Lang Bay germanium-gallium project near Sechelt.
- **Jun Benaventura South Coast Area Granite Inquiry:** Advice provided to Singapore-funded group through Surrey-based contact Jun Benaventura regarding possible granite dimension stone opportunities in the South Coast area for Chinese markets; ministry website and G.S.B. contacts and information provided, along with competitor information.

Iron
Ross
Pem 100
Lang Bay

Government/Ministry Activity:

- **Southwest B.C. Property Listing Update:** The islands portion of the property listing will be completed today and copies brought to KEGS for distribution to clients; the MapPlace/Minfile/MiDA based listing will be very useful for identifying both client acquisition opportunities and for developing a systematic exploration activity forecast system for the region.
- **KEG Conference April 8-12 Update:** Preparations being completed today for KEG conference presentations April 9-10; Geochemistry short course being taken April 11-12.

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Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, November 04, 2002 8:02 AM
To: Houle, Jacques EM:EX
Subject: RE: Myra Falls Operation Update as of October 31, 2002

TGS → RG
→ 1) Nanaimo
→ 2) Myra Falls

Thanks very much.

Tom

Tom Schroeter, P.Eng./P.Geo.
Senior Regional Geologist
Resource Development Division
Ministry of Energy and Mines

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Autotel 604 662-9091

TGS

-----Original Message-----

From: Houle, Jacques EM:EX
Sent: Thursday, October 31, 2002 2:26 PM
To: Schroeter, Tom EM:EX
Subject: Myra Falls Operation Update as of October 31, 2002

Tom,

As requested here is an update of Boliden-Westmin's Myra Falls Operation for 2002 to date, taken from information provided by Finley Bakker, Chief Geologist and from Boliden's interim 3rd quarter and previous reports.

The mine was shut down and did not produce concentrate from late 2001 to late March, 2002. To compare production from the prior year, it is necessary to compare 3rd quarter data, and 6 month data from the combined 2nd and 3rd quarters between 2001 and 2002 as follows:

	Three Months Ended September 30 (3 qtr)				Six Months Ended September 30 (2nd+3rd qtrs)		
	2002	2001	% Change		2002	2001	% Change
Zinc (tonnes)	16 472	17 139	-4		33 258	34 814	-4
Cu (tonnes)	2 034	3 729	-45		4 262	7 756	-45
Gold (ounces)	6 261	5 746	+9		12 126	11 357	+7
Silver (000 ozs)	158	104	+52		367	213	+72

The increasing precious metal and reducing base metal production reflects increasing production from the 43-Block and Gap Zones. These zones have also provided mining challenges: 43-Block is associated with a number of flat lying faults with resulting ground stability issues, and Gap has metallurgical issues related to soluble copper. The construction of the Paste Backfill Plant began in late 2002, with completion scheduled in 2003; this will alleviate tailings disposal issues on surface over the future life of the mine.

Both during the shutdown and upon resumption of operations, exploration work on the minesite was curtailed, but definition drilling did continue in the Battle-Gap, 43 Block, HW-Mine and Extension Zones. It is anticipated that 23,000 meters of definition drilling will be completed in 2002 compared to 51,000 meters of definition drilling completed in 2001. It is expected that a limited exploration program will commence in 2003. In 2001, minesite exploration expenditures alone totaled \$1.7 million.

During the 3rd quarter of 2002, the Myra Falls Operations reported a profit. In 2002, costs have been reduced by 20% compared to 2001. Discussions have continued with government agencies regarding the possibility of connecting the mine to the B.C. Hydro power grid, which would help operating costs considerably. Investigations have also begun regarding the possibility of providing custom milling services for owners of small, high grade sulphide deposits on Vancouver Island.

Schroeter, Tom EM:EX

VGS → RG
- Nandim

From: Houle, Jacques EM:EX
Sent: Thursday, October 24, 2002 3:43 PM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; Logan, Jim EM:EX; Ryan, Barry EM:EX; Simandl, George EM:EX; Webster, Ian EM:EX; Jakobsen, Dorthe SRM:EX
Subject: Houle Weekly Report for October 19-24, 2002

Industry/Client Activity:

- **Boliden-Westmin Campbell River Area Myra Falls Cu-Zn-Ag-Au Mine Update:** Boliden issued 3rd quarter results yesterday stating that both the company and the Myra Falls Operation made a profit during the quarter, as a result of cost-cutting and increase productivity; Myra Falls (MINFILE 092F071,-072,-073,-330) reduced operating costs by 20% from 2001 levels, and produced 45% less Cu, 4% less Zn, 9% more Au and 52% more Ag than the 3rd quarter of 2001; all exploration work has been curtailed this year to help with cost-cutting.
- **Hillsborough Resources Campbell River Area Quinsam Coal Mine Update:** Hillsborough issued 3rd quarter results on Tuesday stating that the company achieved profitability during the quarter and the 9 month year to date period; the Quinsam Mine's (MINFILE 092F319) clean coal production for the quarter was 81,339 tonnes, and for the 9 month year to date period was 245,739 tonnes, reflecting increases of 8% and 5% respectively; although production costs increased and sales prices decreased, the company was able to maintain profitability during the quarter by selling rehabilitated mining equipment.
- **Electra Gold Port Hardy Area Apple Bay Kaolin Project Update:** Electra Gold recently reported successful settlement of outstanding debts through issuance of shares, fund-raising of \$300,000 by private placements of flowthrough and non-flowthrough shares, and acquisition of the Apple Bay (MINFILE 092L150,-269,-308) Kaolin-Silica project from Homegold Resources for shares and royalties; Jo Shearer of Homegold will become a director and VP Operations of Electra Gold, and work will proceed as previously indicated on a 550m. diamond drilling program at the Apple Bay project, and mill testing of cored and bulk sampled material from the project.
- **Saxony Explorations Klinaklini River Area Redbreast Project Update:** Saxony Exploration recently reported fund-raising of \$30,000 through private placement, which is earmarked for preliminary exploration of its Redbreast Porphyry Cu-Mo-Au project which covers MINFILE's 092N028,-029,-051,-063 along the east shore of the Klinaklini River.
- **Garex Harrison Lake- Hope Area Magmatic Cu-Ni-PGE Project Update:** Tentative field visit deferred from this week due to other priorities both for George Nicholson of Garex and myself; tentatively will re-schedule trip in early November with George or Dave Deering of Garex; property holders map still pending from George Nicholson, required to complete updated Harrison Lake - Hope Area Cu-Ni-PGEB Belt map with colour-coded mineral tenure draped over aeromagnetic data.

Government/Ministry Activity:

- **Vancouver Island Exploration Group Meeting Update:** Inaugural meeting for VIX Group set for October 30, 7-9 pm at the Nanaimo Campus of Malaspina College, Building 355 Room 203 as per the attached notice sent out today; unfortunately, Neil Swift, President of Priority Ventures Ltd, was unable to present something on his company's Coal Bed Methane projects on the island due to personal commitments, but is interested in presenting at a later date, possibly at the next meeting on Dec.4; I will update my presentation entitled "Vancouver Island Mineral Deposits", which will be posted to my directory in the ministry's Orchid I:drive prior to the presentation; notice issued to about 40 local prospectors/explorations, and copied to selected MEM and GSB personnel.
- **Exploration and Mining in British Columbia - 2002 Update:** Cost accounts received from James Marshall of External Relations Branch, commitment received from Bill McMillan for editing, tentative commitment received from Janet Holland of the Geological Survey Branch for desktop publishing, and guidelines issued to authors including proposed timeline for completion prior to the Prospectors and Developers Convention in Toronto mid-March, 3

Schroeter, Tom EM:EX

TB → RG
Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, November 29, 2002 4:53 PM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Jakobsen, Dorthe SRM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; Grant, Brian EM:EX; McArthur, Gib EM:EX; Logan, Jim EM:EX; Simandl, George EM:EX; Ryan, Barry EM:EX; Lett, Ray EM:EX; Webster, Ian EM:EX
Subject: Houle 2 Week Report for November 18-29, 2002

Industry/Client Activity:

- **Boliden Campbell River Area Myra Falls Cu-Zn-Ag-Au Mine Update:** Exploration budget of \$600,000 planned for 2003, which is positive news after the \$0 exploration budget of 2002.
- **SYMC Resources Port Alberni Area Dauntless Cu-Ag-Au Vein Project Update:** Herb McMaster on behalf of SYMC recently staked 40 additional mineral claim units north of and contiguous to the Dauntless Project (MINFILE 092F168, etc.) to cover the Devil's Den showing (MINFILE 092F551); SYMC has also recently engaged Nanoose-based geological consultant Dave Pawliuk to conduct geological mapping and compilation on the combined Macktush (MINFILE 092F042, etc.) and Dauntless Projects (finally!)
- **Newmex Minerals Zeballos Area Privateer Au-Ag Vein Project Update:** First press release issued November 18 since resignation of former directors and officers; contact initiated with new corporate management and continued with former project manager Adolf Aichmeier, who has submitted a \$1.7 million underground exploration proposal at Privateer (MINFILE 092L012, etc.)
- **Southern Pacific Port Renfrew Area Hemm Marble Project Update:** Company has committed to \$100,000 development program on Hemm marble occurrence (NTS 092C069 but not in MINFILE) by 2003, which may or may not commence this year; the property is optioned from geological consultant Tim Henneberry of Maple Bay for \$0.50/ton mined up to \$25,000, and \$0.40/ton mined to a maximum of a further \$200,000.
- **Candorado/Trade Winds Harrison Lake Area Pal/Alp Ni-Cu-PGE Project Update:** Candorado has optioned an 80% interest in the Pal/Alp properties to Trade Winds Ventures for cash, shares and commitments; \$8,000 was spent on exploration in 2002 by Candorado on the two properties located along the western margin of the Harrison Lake-Hope ultramafic belt.
- **Northern Continental Harrison Lake Area Harrison Gold Au-Ag Project Update:** No fieldwork completed to date, but stock options issued in anticipation of a public offering to raise exploration funding for programs beginning in 2003 at the Harrison Gold (Abo) Project (MINFILE 092HSW092).
- **Clearview Sechelt Area Mineral Hill Wollastonite-Garnet Skarn Project Update:** As expected, Clearview issued a revised press release rescinding the "economic resource potential" previously announced for the limestone occurrence on the property, replaced by the statement that "no mineral reserves exist on the property"; Clearview also reported visual estimates of wollastonite-garnet skarn mineralization in drill core from the early 2002 program, including one intercept containing up to 66.48 meters @ 50% wollastonite and 50% garnet; \$400,000 in flowthrough funding has been raised in part for exploration on the Mineral Hill Property.

Government/Ministry Activity:

- **Discordant Magmatic Ni-Cu-PGE Mineral Deposit Profile Update:** Collaboration continuing with consultants Murray McClaren and Paul Metcalf towards establishing a workable profile, as part of a Part B article for E.M.B.C.-2002; copies provided to Dave Lefebure and Graham Nixon of GSB for technical feedback; Murray and Paul to involve Robert Pinsent in overview article for introducing and justifying the new mineral deposit profile.
- **Regional Geologists Review in Victoria - November 19-21, 2002 Update:** Excellent annual meetings held in Victoria both with GSB and other MEM personnel, including very up-beat but poorly attended presentations by Regional Geologists on November 21.
- **Technical Liaison Committee Meeting in Victoria - November 28, 2002 Update:** Good discussions held at bi-annual T.L.C. meeting, including excellent presentations by G.S.B. personnel; future geoscience funding uncertainties for G.S.B. and G.S.C. overshadowed technical discussions; Mike Cathro to replace Jacques Houle as T.L.C. representative for the Regional Geologists at future T.L.C. meetings.
- **Regional Geologists Advocacy Update:** Documenting and prioritizing of current functions and proposed future role for the Regional Geologists within the new Ministry Service Plan, including physical measurement of files and materials used by Regional Geologists and exploration industry clients; Discussions initiated with External Relations Branch in joint marketing efforts.

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Wednesday, November 07, 2001 8:54 AM
To: Houle, Jacques EM:EX
Subject: RE: Myra Falls Operation

Thanks, Jacques. May need photo(s) for Roundup, but not NWMA. Cheers, Tom.

-----Original Message-----

From: Houle, Jacques EM:EX
Sent: Wednesday, November 07, 2001 8:48 AM
To: Schroeter, Tom EM:EX
Subject: Myra Falls Operation

Tom, I am attaching the info. sheet from Sean McKinley (email: smckinley@boliden-westmin.com) to fulfill your request. Do you need digital photos or anything else?

Cheers,
Jacques Houle, P.Eng.
Regional Geologist - Southwest B.C.
phone (250) 751-7372
fax (250) 751-7373
Jacques.Houle@gems9.gov.bc.ca

<< File: MFO2001stats.doc >>

BS → RG
Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, March 02, 2001 3:40 PM
To: Randall, Alf EM:EX
Cc: Carriere, Greg EM:EX; Hall, Ted EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Wojdak, Paul EM:EX; Wilton, Paul EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Massey, Nick EM:EX
Subject: Houle Weekly Report for February 24 - March 2, 2001

Client Activity:

- Myra Falls* • **Boliden Asset Dispersal Continues:** Boliden Ltd. continued dispersing assets for much-needed cash with the Feb. 28 announcement of the sale of its South American interests (Lomas Bayas and Fortuna de Cobra) to Noranda and Falconbridge; at the Myra Falls Operation, a concentrate-sale funding arrangement is pending with Dowa Mining to help with minesite capital projects; the Myra Falls Operation is also closing its Campbell River Exploration Office effective Monday, March 5, 2001, signifying an end to regional exploration efforts on Vancouver Island by the Boliden group.
- Maclush* • **SYMC Mctush Dauntless Cu Project, Port Alberni:** Visited Dauntless prospect (092F 168) on Feb. 26 with Herbert McMaster, Jr., accessing via barge from Port Alberni; two adits and rock dumps visited and a selected grab sample of sheared chalcopyrite-bearing vein material was taken from the footwall of the upper adit, with the sample retained for possible future analyses; dumps inspected, but badly overgrown and difficult to evaluate for size and mineralization content; access issues being negotiated with Weyerhaeuser and the Port Authority; tenure issues (E&N Land) for base metals being investigated by Weyerhaeuser; SYMC plans to mine the rock dumps and barge/truck the material to Boliden's Myra Falls Operation to generate revenue.
- Valentine* • **Beau Pre Valentine Mountain Au Project, Sooke Area:** Press release issued by Beau Pre on Feb. 23 regarding status of Valentine Mountain Project (Minfile 092B 108, -075); drill core assaying from the late 2000 program is reported as being underway, but verbal reports from Mr. Beau Pre indicated no ore-grade intercepts were obtained; bulk samples from C and B veins at Discovery Zone blasted in late 2000 are planned to be test-milled on-site using First American's KDS Micronex machine currently under construction in Vancouver, pending permitting.
- Gaffer* • **Mikkel Schau Vancouver Island PGE Exploration Projects:** Visit made by 2000 PAP grantee to discuss geological concepts and exploration plans relating primarily to PGE targets, but also porphyry copper, copper skarn, and epithermal gold targets, following up positive and interesting results from his 2000 programs.
- Galleon* • **Lew Knott Gaffer Au Project, Port Renfrew Area:** Results received from outcrop grab samples of quartz-pyrite-biotite veins in amphibolite-schist from February 15 sampling; sub-anomalous values received for metals and indicator elements; client notified.
- **Gary Pearson Galleon Project, Port Renfrew Area:** Contact received from Gary regarding conceptual project targeting PGE's in the Port Renfrew area (sensitive and confidential); previous sponsorship by Boliden has been recently terminated; tentative visit planned for April to review concepts and exploration methodology.
- **Derrick Hamilton Rocky 10 Dimension Stone Project, Jordan River Area:** Contact received from Derrick regarding quartzite/quartz? Dimension stone property near Jordan River; tentative visit planned for April.

Ministry Projects:

- **Mining and Exploration in British Columbia - 2000:** Southwest Region report completed and edited and forwarded to Dorthe Jakobsen for desktopping; quotations (3) received from Nanaimo-based printers, and comparative analysis completed and forwarded to communications / Queen's Printers to seek approval for local printing; desktopping by Dorthe using MSPublisher in progress pending very demanding short term schedule for Regional Planning Geologist.

Schroeter, Tom EM:EX

TG → RG
- Nanan

From: Houle, Jacques EM:EX
Sent: Thursday, October 25, 2001 4:50 PM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Jakobsen, Dorthe MSRM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for October 20-25, 2001

Prospectors Assistance Program:

- MAP
- **Murray McClaren P.53 Harrison Lake Area Cu-Ni-PGE Project Update:** Murray has revealed specific geochemistry results from selected surface sampling of sulphidic and locally brecciated pyroxenite boulders on his Katt claims in the Stokke Creek area along the northeast end of Harrison Lake, including up to 3840 ppm Cu, 5690 ppm Ni, 356 ppm Co, 52 ppb Pt and 64 ppb Pd.
 - **Murray Halliday P.75 Hope Area Cu-Ni-PGE Project Update:** Murray has allegedly obtained anomalous geochemistry results from selected surface sampling of ultramafic outcrops on his Uppy and Spanky claims located in the Dog Mountain area west of hope, including up to 474 ppm Cu, 208 ppm Ni and 8 ppb Pd.

Mineral Exploration Activity:

- 2001 Review
- **2001 Mineral Exploration Highlights:** Telephone survey to obtain updates from exploration project operators in the region conducted during the week revealed approximately 45 active projects in 2001 with expenditures >\$5,000; total exploration expenditures for the region are anticipated to be about \$4.15 million in 2001, representing an increase of about \$680,000 (20%) over last year; more importantly, though, is the number of major exploration projects with expenditures >\$100,000 increasing to 7 compared to only 3 last year, with several additional major projects originally scheduled for 2001 deferred to early 2002; clearly in the Southwest Region, the downward trend in exploration since 1996 has reversed, and will hopefully continue upwards in 2002.
 - **Boliden-Westmin Myra Fall Operation Update:** Notice was received today along with the 3rd quarter corporate results that the Myra Falls Operation will be suspended for about 3 months beginning in early December, 2001; specific project work at the mine is expected to continue during the shutdown, including advancing the decline from 18th to 22nd levels, but exploration drilling is not expected to continue; it was also announced that the Myra Falls Operation is officially for sale by Boliden-Westmin.
- Myra Falls

Jacques Houle, P.Eng.
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phone (250) 751-7372
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Jacques.Houle@gems9.gov.bc.ca

TOS → Myra Falls

Schroeter, Tom EM:EX

From: Smyth, Ron EM:EX
Sent: Friday, March 23, 2001 1:24 PM
To: Schroeter, Tom EM:EX; Cathro, Mike; Houle, Jacques; Lane, Bob; Wilton, Paul; Wojdak, Paul
Subject: FW: Mining Analyst Comment on Boliden

Ron Smyth
Director
Geological Survey Branch

Phone: (250) 952-0374
Fax: (250) 952-0371

From: Anderson, Duane EM:EX
Sent: Friday, March 23, 2001 12:27 PM
To: Hesketh, Joan EM:EX; Curtis, Ross EM:EX; Koncohrada, Karen EM:EX; Smyth, Ron EM:EX; Hermann, Fred EM:EX
Subject: Mining Analyst Comment on Boliden

Review & comment on year-end results:

"Boliden is waiting to close sale of 50% interest in Norzink zinc refinery (US\$90 mln), its Lomas Bayas Copper mine (US\$62.3 mln net of debt) and some of its fabrication businesses for US\$34.5 mln. When these transactions close, Bol will be left with debt of almost US\$500 mln and equity of almost US\$100 mln. With the metal markets deteriorating we are not sure Boliden will survive and their bankers will decide its fate."

colours by Duane A.

Consensus remains for metal higher prices in 2nd half of '01 and into '02; however, a.m LME prices: Cu US\$ 0.77+ and Zn US\$ 45+.

Bol share price currently up \$0.09 to \$0.60 - apparently hit all-time low earlier this week at \$0.50 Share price was \$0.79 when above comment made.

Summary:

This deterioration, with negative analysts' comments, has been underway for over a year. MFO investors sought for at least 6 months. Current metal markets and recent financial statements contribute to uncertain outlook for Boliden with negative implications for MFO. Increased sensitivity to MFO arguably in provincial interest.

happy to discuss,

Duane A.

TGS → RG
- Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, December 08, 2000 11:09 AM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX; Massey, Nick EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX
Subject: Houle Weekly Report for December 1-7, 2000

Prospectors Assistance Grantees:

- **Prospectors Showcase at 2001 Cordilleran Roundup:** Status of responses from individuals with recently successful projects in the region under the Prospectors Assistance Program as follows:
 - **Helgi Sigurgeirsen (1999):** maybe, pending work schedule
 - **Murray McClaren (P.11):** maybe, pending results of additional strategic work in progress
 - **Arne Birkland (P.50):** no response yet
 - **Jim Laird (P.55):** no response yet
 - **Anton Nijhuis (P.71):** positive; application submitted
 - **David Haughton (P.7):** positive; application submitted
- **Evaluation of 2000 Program Reports:**
 - **David Haughton (P.7):** report evaluated; form e-mailed to G. Payie; original report in Nanaimo.
 - **Ed McCrossan (P.35):** report evaluated; form e-mailed to G. Payie; original report in Nanaimo.

Other Clients:

- Sunro*
- **Commerce Resource Corp.:** David Heyman of Commerce forwarded copy of agreement with Cominco to acquire copy of all of Cominco's data regarding the **Sunro Mine Property** for \$1,000; David and geological consultant Jody Derouche are planning to visit the Nanaimo Office and the Sunro Mine within the next month; Commerce has been busy acquiring other mineral properties in B.C. as well as raising exploration funds.
 - **Beau Pre Explorations Ltd.:** Robert Beau Pre visited the Nanaimo Office, and refined a Notice of Work for detailed diamond drilling and bulk sampling at the **Valentine Mountain Property** beginning December 11.
 - **Boliden-Westmin Myra Falls Operation:** J. Houle visited the Lynx Pit and reviewed exploration drillcore from the Ridge West Zone, including a spectacular intercept from LX10-2045, which yielded 20.9m @ 2.5g/t Au, 138.3g/t Ag, 1.90% Cu, 2.03% Pb, 18.67% Zn; The Lynx Pit appears to be mined out, and it is planned to extract the downplunge extension via a ramp from the pit floor; the Lynx Pit proved to be a windfall for the Myra Falls Operation in 2000, surpassing expectations in both tonnage mined and recovered grades, particularly in precious metals.
- Myra Falls*

Professional Development:

- **CIMM Georgia Strait Branch Technical Presentation:** J. Houle acted as guest speaker at Campbell River on December 4, presenting "Strategy for Renewed Exploration on Vancouver Island"; about 15 individuals attended, about half of whom were from Myra Falls Operation.
- **Mid-Island Geoscape Workshop:** Two day workshop with local and GSC representatives at Malaspina College in Nanaimo was deferred until the new year due to scheduling conflicts.

Jacques Houle, P.Eng.
Regional Geologist, Southwest B.C.

Schroeter, Tom EM:EX

YFS → RG
- Nanaimo

From: Houle, Jacques EM:EX
Sent: Friday, December 15, 2000 12:41 PM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Massey, Nick EM:EX; Jakobsen, Dorthe EM:EX; Carriere, Greg EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for December December 8-14, 2000
Sensitivity: Confidential

Prospectors Assistance Grantees:

- **Prospectors Showcase at 2001 Cordilleran Roundup:** Status of responses from individuals with recently successful projects in the region under the Prospectors Assistance Program as follows:
 - **Helgi Sigurgeirsen (1999):** application submitted for **Hardy Island Granite Quarry**
 - **Murray McClaren (P.11):** probably will submit application for **Sable Cu-Ni-PGE** project near Harrison Lk.
 - **Arne Birkland (P.50):** probably will submit application for **Deer Bay Cu-Ni-PGE** project near Tofino and **Jasper massive sulphide** project near Lake Cowichan (1994?)
 - **Jim Laird (P.55):** application submitted for **Seaview ? Cu-Zn-Au-Ag** project on Howe Sound, or other?
 - **Anton Nijhuis (P.71):** application submitted for **Oyster Ornamental Limestone (Scholarstone)** project near Campbell River
 - **David Haughton (P.7):** application submitted application for **Jason Cu-Ni-PGE** project near Harrison Lk.

Other Clients:

- **Boliden-Westmin Myra Falls Operation:** Missing? intercept from last week's report about review of exploration drillcore from Ridge West Zone, including a spectacular intercept from LX10-2045, which yielded 20.9 m. @ 1.90%Cu, 2.03%Pb, 18.67%Zn, 2.5g/tAu, 138.3g/tAg; this equates to bulk mineable underground ore with gross metal values of C\$430 at today's commodity prices - impressive! A suggestion to show this core at Roundup 2001 was declined by the coreshack committee since Boliden is already showing core from another project this year, and had shown core from new zones at Myra Falls the last two consecutive years; A suggestion to submit a Part B article for Exploration and Mining - 2000 on the Becherer Zone (Lynx Pit) at Myra Falls was submitted to Ivor McWilliams, Chief Geologist, with a response still pending.
- **SYMC Mactush Property, Port Alberni area:** Fred Vein drilling in progress, with 2000' completed on 5 holes as of Dec. 11, with 2 vein structures intersected on each hole; planning to drill Dave vein next, then the MC zone, followed by the Dauntless zone; it is planned to continue drilling through the winter; a site visit is planned for sometime in early January, once some core is logged and hopefully some analyses are received.
- **Commerce Resource Sunro Property, Jordan River area:** Forwarded copy of Nanaimo Office data index for the Sunro Mine property to Commerce; still awaiting visit by representatives to Nanaimo and the Sunro site.
- **Strong/Dyke DS Claims, Jordan River area:** Trenching completed, excavator demobilized and massive sulphide bearing pit floor left exposed for viewing and future work, subject to drainage/pumping requirements; no further work planned this year at the site; possible site visit planned for December 19, 2000.
- **Cream Minerals Raven Property, Nootka Island:** Contact established with Art Troup of Cream, who provided an update of the Raven property, where ground prospecting of a superior airborne e.m. anomaly is planned for early January; the anomaly is proximal to the site of discovery of massive sulphide boulders with up to 0.5 Cu.
- **Canquest Resource OK Property, Powell River area:** Contact finally established with Ian de Wolfe Semple, President, who indicated that the company is broke, has been suspended from trading by CDNX, and has transferred title of the OK property to shareholders; Ian is working at home on a voluntary basis at

Schroeter, Tom EM:EX

TGS → RG
Hund, mc

From: Houle, Jacques EM:EX
Sent: Thursday, August 16, 2001 3:46 PM
To: Hall, Ted EM:EX
Cc: Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Randall, Alf EM:EX; Reid, Bruce EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Pinsent, Robert EM:EX; Schroeter, Tom EM:EX; Cathro, Mike EM:EX; Lane, Bob EM:EX; Terry, David EM:EX; Wojdak, Paul EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Massey, Nick EM:EX; Brown, Derek EM:EX
Subject: Houle Weekly Report for August 10 - 16, 2001
Sensitivity: Confidential

Prospectors Assistance Program:

- **David Haughton P.6 Harrison Lake Area Jason Cu-Ni-PGE Project Update:** Met with David on August 10 in the lapidary room at the Victoria G.S.B. offices where he was cutting and polishing rocks from the Jason project; although planned expenditures are completed, David will likely return briefly to the Shake Cutters area for additional prospecting, probably after receipt of the anticipated geophysical report from David Marks.
- **Mikkel Schau P.91 Schoen Lake Area Kringle Cu Skarn and Flan Epithermal Au Projects:** Met with Mikkel on August 10th in the lapidary room at the Victoria G.S.B. offices where he was cutting rocks from the Kringle and Jason projects; more prospecting will be completed on both targets after anticipated consulting work for Mikkel in the Tulameen area; brief visit completed to Kringle occurrence on August 13th with Tom Schroeter.
- **Dan Epp P.17 Bella Coola Area Cu-Zn-Au-Ag Project Update:** Visit planned August 20-21 with Tom Schroeter to Dan's project area, along with a visit with Larry Diakow (GSB), Bert Struik (GSC) to the Nifty and Keen VMS occurrences.

Mineral Exploration Activity:

- **Quinsam Coal Campbell River Area Quinsam East Coal Project Update:** Notice of work received/referred for 5 hole, 1650m. exploration drilling program, which combined with Quinsam Mine Project, will incur expenditures of \$500,000 in 2001.
- **Hillsborough Buckley Bay Area T'sable River Coal Project Update:** Visit completed on August 13th with Tom Schroeter and Mines Branch representatives to future site of twin underground declines and 90,000 tonne bulk sampling project at the T'sable River Coal Project; anticipated project expenditures for 2001 are \$2 million, including capital costs; tentative combined underground visits to T'sable River and Quinsam planned in the fall.
- **Cumberland Surface Coal Dump Fire Site Visit:** Brief visit completed on August 13th with Tom Schroeter and Mines Branch representatives to reclaimed site of surface coal dump fire near Cumberland; klinker breccia sample taken for interest.
- **Priority Ventures Courtenay Area Dove Creek Coal Project Update:** Visit completed on August 13th with Tom Schroeter and Mines Branch representatives to all three widely spaced surface drill sites, where an aggregate of 1271m. of drilling was completed in July-August to test coal seams in the Comox Formation; visit also completed to core storage facility in Courtenay to review selected coal seam and Karmutsen basement rock intercepts; estimated expenditures in 2001 on the project are \$450,000; Gwyneth Cathyl-Bickford, Project Manager, was invited to submit a paper for Part B of Exploration and Mining in B.C. - 2001.
- **Newmex Zeballos Area Privateer Gold Project Update:** Visit completed on August 14th with Tom Schroeter, along with Kieran Downes of Marksman Resources, to Privateer Mine and surface plant, as well as to the surface showings of the White Star and Prident past producers; hopefully, possible future participation in the Zeballos area by Marksman will result?!; several grab samples of vein and replacement ore were obtained from the Privateer coarse ore dump from recent development drifting, also a vein grab sample from the old Prident mine dump was obtained; estimated expenditures to date in 2001 are \$150,000.
- **Boliden Campbell River Area Myra Falls VMS Mine Update:** Visit completed on August 15 with Tom Schroeter to selected underground headings in the HW Mine, and to the 4th Level of the Price Mine; also reviewed selected exploration/definition drill core intercepts which yielded the following assays:
 - **Ridge West Zone** - 30 degree core angle intercept in hole LX10-2054 of 9m. @ 1.5%Cu, 1.6%Pb, 13%Zn, 2.5g/tAu, 208 g/tAg.
 - **Price Zone** - 90 core angle intercept in hole PR04-0203 of 10.1m. @ 1.4%Zn, 3.2%Pb, 12.5%Zn, with Au, Ag results pending.

Several ore grab samples were obtained from the various underground headings; Mine productivity, exploration success and staff moral at the Myra Fall Operation are all very high; unfortunately, metal prices, power costs and

Exp'n exp. in '01 expected < \$2.1m budget

gold recoveries - extremely challenging!

Schroeter, Tom EM:EX

TJS → MYRA FALLS

From: Schroeter, Tom EM:EX
Sent: Friday, August 17, 2001 8:04 AM
To: Houle, Jacques EM:EX; McKinley Sean (E-mail)
Cc: McWilliams Ivor (E-mail)
Subject: RE: The Tour, and the Paper

Sean et al. - I, too, would like to thank the staff at the mine for an excellent update and tour. It is great to see the enthusiasm of the workers and the exploration/mining successes that are resulting. As briefly discussed, I will follow up re- Roundup. Thanks again. Tom.

-----Original Message-----

From: Houle, Jacques EM:EX
Sent: Thursday, August 16, 2001 4:37 PM
To: McKinley Sean (E-mail)
Cc: McWilliams Ivor (E-mail); Schroeter, Tom EM:EX
Subject: The Tour, and the Paper

Hi Sean:

Thanks again for arranging the excellent tour of the Myra Falls Operation, which I would ask you to pass on to Guy and Finlay as well. In my weekly report issued today, I have emphasized the upbeat atmosphere and technical successes achieved at Myra Falls. Keep up the great effort! I am looking forward to seeing the precious metal values of the Price drillhole that we reviewed with you!

Further to our discussions, you and your geological co-workers are invited to submit a paper for inclusion in part B of Exploration and Mining in B.C. - 2001. Please confirm your interest and suggested topics at your earliest convenience. Deadlines for abstract and papers will be early in the new year for publication in time for KEGS in early April, 2002.

Cheers,
Jacques Houle, P.Eng.
Regional Geologist - Southwest B.C.
phone (250) 751-7372
fax (250) 751-7373
Jacques.Houle@gems9.gov.bc.ca

Schroeter, Tom EM:EX

TOS → Reg. Mg.
— Nana m

From: Hall, Ted EM:EX
Sent: Friday, October 12, 2001 2:46 PM
To: Anderson, Duane; Beckett, Carla EM:EX; Bergen, Wally; Beswick, Ed; Booth, Richard; Carr, Chris; Carriere, Greg; Carter, Tom; Cheetham, Pat; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Guthrie, Shelley; Hermann, Fred; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthie; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Murphy, Maureen EM:EX; O'Rourke, Patrick; Phelan, Bill; Pinsent, Robert; Puggioni, Giovanni EM:EX; Randall, Alf; Reid, Bruce; Rennie, Lorna; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Stewart, Linda; Taje, Eddy; Thomas, Hayley EM:EX; Whale, Andrew; White, Don; Wishlow, Wayne
Subject: Southwest Region Update - October 12, 2001

ISSUES:

- The judicial review of the Jameson Road Quarry permit decision was heard in BC Supreme Court on October 11th. Observers report that legal counsel for MEM presented convincing arguments in support of the Chief Inspector's decision. The court's judgment is expected on December 1st.
- Powell River-Sunshine Coast MLA Harold Long has come out in support of Cranberry residents opposed to expansion of the T&R Contracting Ltd. gravel pit at Cranberry Lake, and has met with representatives of the Minister's office to recommend no approval of the expansion. Regional staff are currently drafting a recommendations report for decision by the Chief Inspector, and will be recommending approval with conditions.

Placer The Treaty Negotiation Office (TNO) is going to Cabinet in November to seek direction on the establishment of a Treaty Related Measure (TRM) for the Yale First Nation on the Hillsbar placer/aggregate project of Qualark Resources, located near Yale. If established, the TRM could jeopardize a project with potential economic benefits to the Province of over \$250 million. MEM is concerned that the Cabinet submission does not fully identify the proposed TRM's impact on the economic development interests of the Province and Qualark.

MYRA FALLS MEM is struggling to resource the review and approval of a proposed paste tailings backfill system for the Boliden Westmin - Myra Falls mine, particularly with regard to concerns about the geotechnical stability of the existing tailings disposal facility and Lynx Pit, as well as potential ML/ARD concerns. Boliden's board of directors meet in Stockholm on October 24th, and without a clear indication of approval from the Province, may withhold funding for the project and force the mine into a suspension of operations in the near future.

FYI:

- The Coquitlam River Aggregate Task Force held its final meeting and tabled a final report. The task force is seeking MEM participation in discussions to fund a water quality monitoring program for the Coquitlam River in partnership with other agencies and the gravel operators, to help track the health of the watershed.
- Deputy Minister Jack Ebbels presented the BC Annual Mine Reclamation Awards at the 25th Annual Reclamation Symposium in Campbell River during the last week of September. The Jake McDonald Reclamation Award was presented to Huckleberry Mines Ltd. for outstanding reclamation achievement at their Huckleberry operation south of Smithers. As well, several citations were awarded as follows:
 - Coal Mining: Fording Coal Ltd. for Greenhills Operations
 - Coal Exploration: Luscar for Telkwa Coal Project
 - Metal Mining: North American Metals for Golden Bear Mine
 - Mineral Exploration: Noranda for Tommy Jack property
 - Sand & Gravel: Construction Aggregates Ltd. for Sechelt Pit
 - Placer: Dan Romanow for Wells operation.

Ted Hall

Regional Manager (Southwest)
Ministry of Energy and Mines
2080-B Labieux Road

Schroeter, Tom EM:EX

TGS → Rf
Nana Inu

From: Houle, Jacques EM:EX
Sent: Friday, August 25, 2000 1:58 PM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX; Randall, Alf EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for August 19 - 25, 2000

Prospectors Assistance Grants:

No updates, but field visits are tentatively planned for September-October to the following grantees' properties not yet visited:

- **Ed McCrossan (P.35):** Tahish Inlet area polymetallic targets, Western Vancouver Island, plus former Island Copper Mine and Privateer Mine orientation tours
- **Gordon Henriksen (P.47):** Chemainus River area polymetallic targets, Southern Vancouver Island
- **James Laird (P.55):** Fraser River area gemstones targets
- **Anton Nijhuis (P.71):** Northern Vancouver Island scholarstone (weathered, vuggy limestone) targets
- **Mikkel Schau (P.95):** Schoen Lake area (N. Van. Island) and Cowichan Lake area (S. Van. Island) PGE's

Other Clients:

- Texada Is
- **Rio Minerals / 555 Corporate Ventures Yew Property:** Received and forwarded to Andrew Molnar, President of Rio Minerals, geochemical analyses for flat lying, semi-massive, magnetite-pyrite-chalcopryrite skarn and vertical, skarn/quartz vein samples taken in the Yew Pit during the visit to Texada Island in late July; 3 selected grab samples of well mineralized material yielded up to 0.67% Cu, 6.7 g/t Ag, 1.1 g/t Au and 154 ppm As; the values, particularly gold, are rather disappointing as this material is being heavily diluted with host volcanic material to provide a relatively consistent millfeed to the nearby Bolivar Mill, for which the client provided flowsheet analyses yielding 0.76% Cu, 3.3 g/t Ag, 4.0 g/t Au and 0.01% As for head assays.
 - **Duker Tak Property:** Received and forwarded to Bob Duker, geochemical analyses for a selected grab sample from outcrop of this 50m. wide quartz-pyrite-chalcopryrite stockwork zone visited at central Texada Island in late July; the sample yielded 646 ppm Cu, 380 ppb Ag and 471 ppb Au, indicating elevated but clearly sub-economic metal values; this is the site of the proposed 10,000 tonne bulk sample to be milled at the Bolivar Mill.
 - **Lafarge Texada Quarry:** Received and forwarded to Harold Diggon, Quarry Manager, geochemical analyses for a selected grab sample of <1 m. pyrrhotite-chalcopryrite-bornite blebs in garnet-epidote skarn mineralization within the White Rock Quarry; the sample yielded 0.23% Cu, 859 ppb Ag, 331 ppm Co, 130 ppm As, 140 ppb Au, 1406 ppm Sr, 85 ppm Bi, 20 ppm Se and 50 ppm Te; an interesting (porphyry?) metal signature!
 - **Imperial Limestone Quarry:** Received and forwarded to Ed Liebich, Quarry Manager, geochemical analyses for 2 grab samples of pyrite-garnet skarn associated with an aplite (Island Intrusive?) dike within the Main (White Limestone) Pit; the samples yielded up to 1.1 ppm Mo, 216 ppm Cu, 88 ppm Pb, 102 ppm Zn, 388 ppb Ag, 337 ppm As and 130 ppb Au; this material is becoming more prevalent as the pit gets deeper - bad for the limestone business, but maybe good for porphyry deposits!
 - **Boliden-Westmin Myra Falls Mine:** Continued correspondence with mine geology staff concerning down-plunge potential of Becherer Zone beneath the Lynx Pit; they are considering initiating a drilling program to delineate/expand the remaining (underground?) resource of 34,000 tonnes @ \$144/tonne; existing plan is to allow the remaining resource to be sterilized (lost) by backfilling the pit with tailings following planned mining of the open pit resource of 39,000 tonnes @ \$122/tonne.
 - **Specogna Dragon Property:** Continued discussions with prospector Efrem Specogna regarding spinels from his Gold River area property (Central Van. Isle.), and how the chromium content of spinels may relate to Cu-Ni-Cr-PGE mineralization; Question from Efrem: does anyone have information on spinels from other

VGS → Reg. Mgr
- Nanaimo

Schroeter, Tom EM:EX

From: Hall, Ted EM:EX
Sent: Friday, August 11, 2000 6:32 PM
To: Adams, Rick; Anderson, Duane; Bergen, Wally; Beswick, Ed; Booth, Richard; Braidwood, Brian; Brown, Derek; Carr, Chris; Carriere, Greg; Carter, Tom; Cheetham, Pat; Cochrane, Marlene; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Harris, Grace; Hermann, Fred; Hesketh, Joan; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthe; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Phelan, Bill; Pinsent, Robert; Randall, Alf; Readshaw, Kerry; Reid, Bruce; Rennie, Lorna; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Starkes, Terri; Stewart, Linda; Taje, Eddy; Whale, Andrew; White, Don; Wishlow, Wayne
Subject: Southwest Region Update - August 11, 2000
Sensitivity: Private

ISSUES:

- BCAL has investigated the illegal construction of an access road across Crown land to the proposed Fraser Valley Properties Quarry on Sumas Mountain, and is considering imposing a \$50,000 performance bond for the use of the road. A public meeting is expected to be scheduled in September for the proposed quarry, and a permit decision will likely follow before year-end.
- The Van Isle Tree Farm application for a rock quarry on Sooke Road in Metchosin has been finalized and is in the process of interagency referral and public notification. This application is expected to be very controversial, and strongly opposed by the District of Metchosin and local residents.
- Stability concerns about a waste soil dump in the Allard Contractors Ltd. Pit "A" on Pipeline Road in Coquitlam were investigated by regional and Geotechnical Section staff. A dump stability assessment and detailed dump design have been ordered.

FYI:

- Boliden Westmin has finally obtained DFO approval to commence the second phase of the Myra Falls tailings dam seismic upgrade project, and water levels in Myra Creek have receded to acceptable levels. Equipment should be mobilized at the site by August 21st.
- An open house and public meeting for the Apple Bay Geyserite Project has been tentatively scheduled for September 13, 2000 at Coal Harbour.
- J. Houle is working with Boliden Westmin geology staff to assess the potential sterilization of up to 35,000 tonnes of ore in Lower Lynx Pit, prior to proposed backfilling of the pit with tailings.

ADMIN:

- T. Hall is on vacation until September 5th. Greg Carriere will be acting Regional Manager during his absence (250-751-7376).

Ted Hall

Regional Manager (Southwest)
Ministry of Energy and Mines
Nanaimo
phone: (250) 751-7375; fax: (250) 751-7373

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, August 11, 2000 10:35 AM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Pinsent, Robert EM:EX; Smyth, Ron EM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Randall, Alf EM:EX; Jakobsen, Dorthe EM:EX; Taje, Eddy EM:EX; Wishlow, Wayne EM:EX; Reid, Bruce EM:EX; Forster, Patti EM:EX
Subject: Houle Weekly Report for August 4-10, 2000

Prospectors Assistance Grantees:

David Houghton (P.7) - Harrison Lake Area:

Field program completed, with substantially more sulphide-bearing pyroxenite-hornblendite showings found both SW of and west of the Discovery Creek showing on the Jason claims; self potential survey yielded 2 significant anomalies east of Discovery Creek; all very encouraging!

Ed McCrossan (P.35) - Tahish Inlet:

Work deferred until September due to client work this summer; plans to commence in September, beginning with visits to Island Copper and Privateer - a good start!; will assist to arrange and/or accompany on tours.

Arne Birkland (P.50) - Tofino Area:

Confirmed upcoming visit on August 15 to former Tofino Nickel property, now called Deer Bay Project; Notice of Work pending for mechanical exploration work by grantee.

Other Clients:

Efrem Specogna - Dragon Property, Gold River Area:

Confirmed plans to visit Muchalat Creek area Sicker Group rhyolite showing on the Dragon Property along with Boliden exploration geologists Sean McKinley and Dean Crick (and Efrem) on August 14.

Pacrim Information Systems - Yew Property / Bolivar Mill, Texada Island:

Press release issued August 8 regarding bulk sampling of gold ore from Yew pit to be processed at the Bolivar Mill; several mineralized rock samples cut for further analysis.

Jo Shearer Apple Bay Geyserite Project, Coal Harbour Area:

Public meeting tentatively scheduled for this project on September 13 at Coal Harbour; attendance by Mines Branch personnel has been suggested by Jo as desirable.

Other Work:

Boliden-Westmin Myra Falls Mine - Lynx Pit Study:

Requested by Mines Branch staff to review possible sterilization of deepest ~35,000 of ~70,000 tonne total inventory in Lynx open pit deepening project due to proposed backfilling of the pit with tailings after extraction of upper ~35,000 tonnes; the question seems to be whether the lower mineral inventory has been deemed uneconomic due to poor ground conditions or other mining challenges (valid), or due to tailings scheduling problems (possibly solvable); additional data pending from Mine Geology staff, who support this review process by the Mines Branch.

Sea to Sky Region Geo-hazard Study:

Additional references received and reviewed for this ongoing study on behalf of Mines Branch staff; Geological Survey Branch experts are either in the field working on the Sea to Sky Aggregate Potential Mapping Project, or on vacation at this time; there is much existing data to assimilate and to compile for this study.

Strathcona Park Minfile Study:

Compilation of existing minfile occurrences in the park to be completed prior to planned tour with Mines Branch

Schroeter, Tom EM:EX

TOS → RG
- Nannino

From: Houle, Jacques EM:EX
Sent: Friday, August 04, 2000 10:37 AM-
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Smyth, Ron EM:EX; Brown, Derek EM:EX; Lefebure, Dave EM:EX; McArthur, Gib EM:EX; Carriere, Greg EM:EX; Jakobsen, Dorthe EM:EX; Reid, Bruce EM:EX; Randall, Alf EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for July July 31 - August 3, 2000

Prospectors Assistance Grants:

David Houghton (P.7) - Harrison Lake Area:

Received and forwarded analysis to David for an outcrop grab sample from massive pyroxenite at the Discovery Creek showing on Jason Property near Harrison Lake, including: 152 ppm Cu, 191 ppm Ni, 34 ppm Co, 125 ppm Cr - low but encouraging values for a magmatic Cu-Ni target

Arne Birkeland (P.50) - Tofino Area:

Arranged site visit to Deer Bay Property (formerly Tofino Nickel) on August 15, accompanied by an industry geologist from Alfa? Resources - geophysics and prospecting will commence August 4, looking for extensions to the main showing - preliminary detailed sampling by Arne reportedly shows Pt-Pd enrichment in 'salt+pepper' zone beneath Cu-Ni massive sulphides

Other Clients:

Boliden-Westmin Myra Falls Mine, Strathcona Park:

Delineation/exploration drilling on known structures at the mine proceeding well, with mixed results to date; Lynx Pit ore exposed on surface for open pit mining soon; Price surface drilling to start soon; exploration decline for underground drilling to start soon as well.

555 Corporate Ventures Bolivar Gold-Silver-Copper Mill, Texada Island:

Inquiries by B. Macaroni, Mill Manager, regarding processing of gold+/-copper ores referred to operating gold+/-copper mines: Northgate's Kemess Mine, Imperial's Mt. Polley Mine, and Echo Bay's Kettle River Mine - B. Macaroni is struggling with producing flotation and gravity concentrates from a highly variable and oxidized mill feed (~75 tpd) from the Yew prospect

SYMC Resources Macktush Property, Port Alberni Area:

- Received and forwarded analyses to SYMC for selected outcrop grab samples taken on various porphyry Cu-Mo-Ag-Au and/or skarn Cu-Ag-Au targets at the Macktush property, including:
 - Canal Main - 20cm. qtz vein in diorite - 4.7% Cu, 13.6 ppm Mo, 16.2 g/t Ag, 179 ppb Au
 - Canal Main - garnet-epidote skarn - size? - 236 ppm Cu, 107 ppm Co
 - Quartz Stockwork - 1.5 m. qtz carb veins in diorite - 690 ppm Cu, 10.9 g/t Ag, 1.6 g/t Au
 - Porphyry Zone - quartz porphyry - size? - 0.20% Cu
- Forwarded copy of schematic diagram showing porphyry base metal exploration model and intrusion related gold model from Economic Geology (not as homey as Tom's hand sketch!)
- Researched narrow vein longhole mining technology through industry contacts at the Dome and St. Andrews mines in Timmins, Ontario - still pending - good, low-cost techniques which may be applicable to the Fred, Sy and Dave epithermal veins in diorite at Macktush
- Suggested names to SYMC of skilled and experienced geologists who could assist in focusing future exploration activities at Macktush to establish viable ore reserves, for which funding of \$150,000 is pending in September, possibly followed by a \$1 million financing

Efrem Specogna - Muchalot Creek Property, Gold River Area:

Planned tentative field visit on August 17 along with Boliden Myra Falls geologists to Efrem's property, where recent forestry roads have reportedly exposed massive rhyolite of the Sicker Group, the same host rock as at

TGS → MYRA FALLS

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, February 28, 2000 11:34 AM
To: 'Cliff D. Taylor'
Subject: RE: 'Round up the usual suspects'

Cliff, I would be interested in a trip to Myra Falls immediately after the GSA. I see that Dave Lefebure has given you Dean Crick's name as a contact. If you need any assistance in dealing with Dean, I'd be happy to help. Please let me know what you decide. Thanks, Tom.

From: Cliff D. Taylor[SMTP:ctaylor@helios.cr.usgs.gov]
Sent: Monday, February 28, 2000 9:57 AM
To: Aldrick, Dani EM:EX
Cc: 'Evenchick, Carol'; 'Peter, Jan'; Wojdak, Paul EM:EX; MacIntyre, Don EM:EX; Mihalynuk, Mitch EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; 'banderson@gsc.nrcan.gc.ca'; Brown, Derek EM:EX; vmanders@helios.cr.usgs.gov; leark@kennecott.com
Subject: Re: 'Round up the usual suspects'

Thanks Dani and hello to all the "usual suspects",

I am indeed working on Greens Creek and other Triassic-hosted deposits and occurrences of southeastern AK and so am interested in your work on similar deposits in Wrangellia to the north and south. Our cooperative study with KGCMC at the mine is about done and we are in the write-up phase. A manuscript for Mineralium Deposita is almost finished which will cover the highlights of our work, and the gory details will be contained in a USGS Professional Paper that Kerry Lear (CG at the mine) and I hope to assemble by the end of the year. I will be at the Cordilleran GSA in Vancouver this April and will give both a talk and a poster on aspects of this work. In addition, Michelle Anderson will give a poster on our footwall alteration study. Please come by and say hello.

Best Regards,
Cliff

P.S. Several years ago I had a standing invitation from Steven Juras to come out and see the Buttle Lake camp and the Karmutsen basalts if I was ever through Vancouver. I don't think he is with Westmin any more. Does anyone have the contacts to arrange a visit and does anyone want to spend the time to go see the deposit and/or the Karmutsen Fm? Preferably immediately after the meeting?

Cliff D. Taylor, Ph.D.
Mineral Resources Program
U. S. Geological Survey
Box 25046 Federal Center, MS-973
Denver, CO 80225-0046

phone (303) 236-2499
FAX (303) 236-3200
email ctaylor@helios.cr.usgs.gov

TGS → Mx19 Falls

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, February 28, 2000 9:59 AM
To: 'Cliff D. Taylor'
Subject: RE: 'Round up the usual suspects'

Cliff, if you have time, please feel free to drop by the Vancouver Mineral Development Office in Vancouver (my office) at 300-865 Hornby Street, when you're at the GSA. Cheers, Tom.

From: Cliff D. Taylor[SMTP:ctaylor@helios.cr.usgs.gov]
Sent: Monday, February 28, 2000 9:57 AM
To: Aldrick, Dani EM:EX
Cc: 'Evenchick, Carol'; 'Peter, Jan'; Wojdak, Paul EM:EX; MacIntyre, Don EM:EX; Mihalynuk, Mitch EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; 'banderson@gsc.nrcan.gc.ca'; Brown, Derek EM:EX; vmanders@helios.cr.usgs.gov; leark@kennecott.com
Subject: Re: 'Round up the usual suspects'

Thanks Dani and hello to all the "usual suspects",

I am indeed working on Greens Creek and other Triassic-hosted deposits and occurrences of southeastern AK and so am interested in your work on similar deposits in Wrangellia to the north and south. Our cooperative study with KGCMC at the mine is about done and we are in the write-up phase. A manuscript for Mineralium Deposita is almost finished which will cover the highlights of our work, and the gory details will be contained in a USGS Professional Paper that Kerry Lear (CG at the mine) and I hope to assemble by the end of the year. I will be at the Cordilleran GSA in Vancouver this April and will give both a talk and a poster on aspects of this work. In addition, Michelle Anderson will give a poster on our footwall alteration study. Please come by and say hello.

Best Regards,
Cliff

P.S. Several years ago I had a standing invitation from Steven Juras to come out and see the Buttle Lake camp and the Karmutsen basalts if I was ever through Vancouver. I don't think he is with Westmin any more. Does anyone have the contacts to arrange a visit and does anyone want to spend the time to go see the deposit and/or the Karmutsen Fm? Preferably immediately after the meeting?

Cliff D. Taylor, Ph.D.
Mineral Resources Program
U. S. Geological Survey
Box 25046 Federal Center, MS-973
Denver, CO 80225-0046

phone (303) 236-2499
FAX (303) 236-3200
email ctaylor@helios.cr.usgs.gov

T68 → Myra Falls

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, February 25, 2000 7:47 AM
To: 'dcrick@boliden-westmin.com'
Subject: Myra Falls - Custom Milling?
Sensitivity: Private

Dean, I finally received some answers back to your questions (e-mail: Jan. 7th) from Fred Hermann, Chief Mines Inspector:

1) Re: **Tailings disposal permit** - one currently in place would NOT cover "foreign" ore types. Each foreign ore would have to be assessed based on its own characteristics which may require an ammendment to the permit. It may require an ammendment to the CLOSURE plan if there are substances that would not be present in the existing ore that could potentially be harmful to the receiving environment or if the mill process used chemicals not currently being used.

2) Re: **Supplementary truck traffic** - probably NOT an issue, but there may be a maitenance component that would require a fee (to work with MoTH).

3) Re: **Transporting sulphide ore** through the park - this is probably the biggest sticking point. Authorization would have to come from Parks.

Hope this helps. Let me know if I can be of any assistance. Tom.

YGS → MYRA FALLS

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, February 25, 2000 7:33 AM
To: Hermann, Fred EM:EX
Subject: RE: Custom Feed

Thanks very much. Tom.

From: Hermann, Fred EM:EX
Sent: Thursday, February 24, 2000 12:49 PM
To: Schroeter, Tom EM:EX
Subject: RE: Custom Feed

Tom

Sorry about the delay but here goes

- 1) The tailings disposal permit in place for Myra would not cover "foreign" ore types. Each Foreign ore would have to be assessed based on its own characteristics which may require an amendment to the permit. Of more concern is it may require an amendment to the closure plan in particular if there are substances that would not be present in the existing ore that could potentially be harmful to the receiving environment or if the mill process used chemicals not currently being used. I don't think this is insurmountable but it is a factor that needs to be considered.
- 2) Supplementary truck traffic along highway 28 is probably not an issue as highway 28 is already designed for truck traffic. There may be a maintenance component that would require a fee but again I think MoTH will probably be reasonable and an agreement could be worked out.
- 3) Transporting sulfide ore through the park. This is probably the biggest sticking point of the three questions asked. Certainly authorization for this would have to come from Parks and may be difficult to obtain. Call me for more information on this.

Fred

From: Schroeter, Tom EM:EX
Sent: Friday, January 07, 2000 9:40 AM
To: Hermann, Fred EM:EX
Cc: Smyth, Ron EM:EX; Hesketh, Joan EM:EX
Subject: FW: Custom Feed

Fred, two **separate** comments (issues) here:

- 1) **Class "B" park mining lease boundaries** - to facilitate future exploration: Basically, the 'favourable' mineralized trend appears to be heading off Boliden's mining lease to the NW [CONFIDENTIAL]. [This could have a major impact for longer-term planning/feasibility - to the company and the gov't].
- 2) Boliden is looking at the possibility/feasibility of **"custom milling"** of 'ore' at its mill facility at the **Myra Falls** operation - i.e to make better use of **mill capacity** and/or to sweeten (mix) some grades. It has started with a **pilot/test project** involving a small amount of mineralized skarn material from a property (Pilgrim?) in the **Port Alice area**. Potential mill feed could come from any property on Vancouver Island, or along the coast, for that matter. The key is access and transportation. Ron and I have had discussions with Alan Savage, **Doublestar Res.**, who has also proposed a "custom milling" scenario for Vancouver Island. I understand that Boliden has had preliminary discussions with Alan, but there **doesn't** appear to

be any possibility of 'meshing' the two proposals. So, for the time being, I would treat them **separately**.
Request: Fred, could you provide some preliminary comments to the questions raised by Dean, along with suggestions for followup? Specifically, can you provide me with the names of **'key' contacts** which I can forward on to Dean. Although the project proposal is being treated by management as a 'pilot' one for the time being, I suspect that in reality, if potential mill feed were identified, Boliden would like to start "custom milling" very soon.

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From: Dean Crick[SMTP:dcrick@boliden-westmin.com]
Reply To: Dean Crick
Sent: Friday, January 07, 2000 8:14 AM
To: Schroeter, Tom EM:EX
Subject: Custom Feed

Tom,

Thanks again for inviting me to talk about Myra Falls at the MEG. Our discussion about the idea of changing the Class 'B' park mining lease boundaries sparked another more immediate concern, the custom feed issue. The biggest road block identified to date is whether or not we can transport sulfide ores through the park to the mill concentrator. Additionally, the question of supplementary truck traffic along highway 28, the mine road, and whether our tailings disposal permit covers "foreign" ore-types must be resolved. We would appreciate any assistance you might be able to provide concerning this matter. A list of the appropriate contacts within government would be extremely helpful. It would be advantageous to know who our allies and/or enemies might be. I would appreciate any advise you might have concerning this matter. Thankyou in advance.

Regards,
Dean Crick

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Schroeter, Tom EM:EX

VOS → Rq. Mg
— Nanaimo

From: Hall, Ted EM:EX
Sent: Friday, September 22, 2000 1:14 PM
To: Adams, Rick; Anderson, Duane; Bergen, Wally; Beswick, Ed; Booth, Richard; Braidwood, Brian; Brown, Derek; Carr, Chris; Carriere, Greg; Carter, Tom; Cheetham, Pat; Cochrane, Marlene; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Harris, Grace; Hermann, Fred; Hesketh, Joan; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthe; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Phelan, Bill; Pinsent, Robert; Randall, Alf; Readshaw, Kerry; Reid, Bruce; Rennie, Loma; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Starkes, Terri; Stewart, Linda; Taje, Eddy; Whale, Andrew; White, Don; Wishlow, Wayne
Subject: Southwest Region Update - September 22, 2000
Sensitivity: Private

NEW ISSUES:

- Although the District of Central Saanich is opposed to the controversial and illegal Bowcott Farms rock quarry, they have issued a soil removal permit for the quarry after receiving legal advice that they could not deny the permit under their existing Soil Removal and Deposit Bylaw. The onus is now back on MEM to enforce the Mines Act. The issue is whether to reactivate the mine permit review process while Bowcott continues to flaunt the Act and operate illegally, or to pursue legal action. Either way, regional resources are presently stretched too thin to respond as expeditiously as would be desired.
- Approximately 350 CAW workers walked off the job at the Myra Falls operations at midnight September 20th, when they were unable to conclude a collective agreement with Boliden-Westmin by the strike deadline. At last report, the mine remains behind picket lines, however local media indicate a tentative settlement has now been reached. The last major walkout at Myra Falls ended in 1994 after workers were off the job for 18 months.
- In view of a number of outstanding issues raised during the review of the Mainland Sand & Gravel proposed expansion of the Cox Station Quarry in Abbotsford, the application has been referred to the LMMDRC for adjudication. Key issues are potential impacts on fish habitat and rare or endangered species, Sto:lo Nation consultations, regional district opposition, and public concerns about noise and traffic. An initial meeting is tentatively scheduled for the week of October 10th.

Ted Hall

Regional Manager (Southwest)
Ministry of Energy and Mines
Nanaimo
phone: (250) 751-7375; fax: (250) 751-7373
email: Ted.Hall@gems1.gov.bc.ca

Schroeter, Tom EM:EX

VOS → Myra
Falls

From: Schroeter, Tom EM:EX
Sent: Monday, January 24, 2000 8:47 AM
To: Hesketh, Joan EM:EX
Subject: RE: Custom Feed

Will do so. Tom.

From: Hesketh, Joan EM:EX
Sent: Monday, January 24, 2000 8:45 AM
To: Schroeter, Tom EM:EX
Cc: Starkes, Terri EM:EX; Cochrane, Marlene EM:EX
Subject: RE: Custom Feed

Suggest you followup with Fred...he may have forgotten

From: Schroeter, Tom EM:EX
Sent: Monday, January 24, 2000 7:28 AM
To: Hesketh, Joan EM:EX
Subject: RE: Custom Feed

Sorry, Joan, I never received an answer back from my original e-mail. Tom.

From: Hesketh, Joan EM:EX
Sent: Saturday, January 22, 2000 1:41 PM
To: Schroeter, Tom EM:EX
Cc: Smyth, Ron EM:EX; Starkes, Terri EM:EX; Hermann, Fred EM:EX
Subject: FW: Custom Feed

Hi Tom

I was just wondering if there is anything new on Boliden's "custom milling" proposal
Joan

From: Schroeter, Tom EM:EX
Sent: Friday, January 07, 2000 9:40 AM
To: Hermann, Fred EM:EX
Cc: Smyth, Ron EM:EX; Hesketh, Joan EM:EX
Subject: FW: Custom Feed

Fred, two **separate** comments (issues) here:

- 1) **Class "B" park mining lease boundaries** - to facilitate future exploration: Basically, the 'favourable' mineralized trend appears to be heading off Boliden's mining lease to the NW [CONFIDENTIAL]. [This could have a major impact for longer-term planning/feasibility - to the company and the gov't].
- 2) Boliden is looking at the possibility/feasibility of **"custom milling"** of 'ore' at its mill facility at the **Myra Falls** operation - i.e to make better use of **mill capacity** and/or to sweeten (mix) some grades. It has started with a **pilot/test project** involving a small amount of mineralized skarn material from a property (Pilgrim?) in the **Port Alice area**. Potential mill feed could come from any property on Vancouver Island, or along the coast, for that matter. The key is access and transportation. Ron and I have had discussions with Alan Savage, **Doublestar Res.**, who has also proposed a "custom

milling" scenario for Vancouver Island. I understand that Boliden has had preliminary discussions with Alan, but there **doesn't** appear to be any possibility of 'meshing' the two proposals. So, for the time being, I would treat them **separately**.

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From: Dean Crick[SMTP:dcrick@boliden-westmin.com]
Reply To: Dean Crick
Sent: Friday, January 07, 2000 8:14 AM
To: Schroeter, Tom EM:EX
Subject: Custom Feed

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Regards,
Dean Crick

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Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, February 07, 2000 11:26 AM
To: Hermann, Fred EM:EX
Cc: Hesketh, Joan EM:EX; Smyth, Ron EM:EX
Subject: Custom Feed - Myra Falls
Sensitivity: Private

Fred, I wonder if you will have time to answer my e-mail dated Jan. 7/2000 concerning 1) Class "B" park mining lease (Myra Falls) and 2) Custom milling (Myra Falls)? Tom.

JFS → Myra Falls

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, February 07, 2000 2:44 PM
To: Hermann, Fred EM:EX
Subject: RE: Custom Feed - Myra Falls
Sensitivity: Private

Bo real rush, Fred. Whenever you get a moment. Thanks, Tom.

From: Hermann, Fred EM:EX
Sent: Monday, February 07, 2000 2:43 PM
To: Schroeter, Tom EM:EX
Subject: RE: Custom Feed - Myra Falls
Sensitivity: Private

Tom

Sorry I have not gotten to it. I'll have a look when I get back from Richmond and give you an answer by the end of the week.

Fred

From: Schroeter, Tom EM:EX
Sent: Monday, February 07, 2000 11:26 AM
To: Hermann, Fred EM:EX
Cc: Hesketh, Joan EM:EX; Smyth, Ron EM:EX
Subject: Custom Feed - Myra Falls
Sensitivity: Private

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TGS → Myra Falls

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Thursday, May 18, 2000 8:13 AM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wilton, Paul EM:EX; Wojdak, Paul EM:EX; Schroeter, Tom EM:EX; Jakobsen, Dorthe EM:EX; Smyth, Ron EM:EX; Lefebure, Dave EM:EX; Brown, Derek EM:EX; Jones, Larry EM:EX; McArthur, Gib EM:EX; Pinsent, Robert EM:EX; Carriere, Greg EM:EX
Subject: Houle Weekly Report for May 5-17, 2000

Lake Cowichan Teachers Presentation - May 5:

A 1.5 hour presentation was made to about 25 Lake Cowichan teachers as part of their professional development day activities during the afternoon of May 6 at the Lake Cowichan Teaching Centre. The 4-part presentation consisted of: The Power of Mining, The Geology of Southern Vancouver Island, An Introduction to the Energy and Mines Website, and A Map Place overview of the Geology and Mineral Deposits of Southern Vancouver Island. The presentation was well-received, and many participants were quite surprised to learn about the positive impact of mining in B.C. today, as well as the international career opportunities available for students in the mining-related disciplines.

Prospectors Assistance Applications:

The remaining 11 of 26 PAA's for the Southwest Region were reviewed, evaluated, copied and the originals forwarded to Garry Payie in Victoria. A conference call is planned for the morning of May 23 for Garry, Dave Lefebure and the Regional Geologists and to review the successful applications. As I will be unavailable at that time, I have tentatively planned to visit the Ministry of Energy and Mines offices and labs in Victoria on May 24-25 to review the successful PAA applications, as well as to tour the facilities, pick up some field gear, cut some rock specimens, and meet as many of the personnel as possible.

Field Trip w/ Greg Carriere - May 9-11:

- **Privateer Gold Mine - May 9** - Participated in surface and underground tour of Privateer Mine north of Zeballos. A representative sample of the ore-bearing material (without visible gold) was obtained from the ore grizzly, and will be cut and analyzed for multi-element ICP and assayed for gold and silver to look for geochemical signatures (est.\$20). Suggested to the operator/owner to obtain historical mine data from previous owner and have it modeled to suggest possible ore trend projections. Offered to act as liaison to obtain historical data.
- **Zeballos Iron Mine Waste Pit - May 10** - Participated in tour of waste pit, including obtaining a representative sample of the material in the waste pit. Results from an evaluation by Agra for the Ministry of Forests have been reviewed, and the sampling is not representative of the entire stockpile. The new sample will be analyzed (est. \$20), but first it will be crushed and split at the GSB prep. Lab. In Victoria to reduce costs. The amount of waste in the stockpile (both crushed and uncrushed) is estimated at 243,000 tonnes, and contains about 5% magnetite, 5% limestone, 5% garnetite, trace sulphides, and mainly volcanic and intrusive rocks.
- **Apple Bay Geyserite Quarry - May 10** - Visited surface exploration trails, trenches and drillsites; this is an enormous resource with very good access. A representative sample was taken from the test pit, and will be cut but not analyzed.
- **Yreka Copper Mine - May 11** - Visited surface exploration trails, mapping sites and former mine workings; A spectacular ore sample was taken from the collapsed coarse ore bin, which looks like semi-massive sulphides with 15%-25% chalcopyrite, that will be cut and analyzed for multi-element ICP and assayed for copper to look for geochemical signatures (est.\$20).

Field Trip to Myra Falls Mine - May 15-16:

Organized underground and surface tour of Myra Falls Mine with exploration geologists Henrik Grind and Dean Crick (both of Boliden/Westmin) and Maurice Houle of Teck Corp's White Silver Mountain Project in China. We met most of the geological staff at the mine, as well as Dave Bazowski, the Mine Manager. Both the company

TGS → MYRA FALLS

Anderson, Duane EM:EX

From: Anderson, Duane EM:EX
Sent: Monday, May 01, 2000 3:17 PM
To: Hesketh, Joan EM:EX; Curtis, Ross EM:EX; Koncohrada, Karen EM:EX
Subject: Analyst Research Report re: Boliden's Mining assets

May 3 - copy had delivered to TGS by D.A.

Summary: similar to preventive maintenance, gov't action to prevent problems at existing mines that are apparently running smoothly could produce good returns via problems avoided.

Recent research report:

makes case that Boliden has 1st class smelting & refining assets, mediocre mines, ownership is diffuse, and acquisition of discounted assets via premium to current market, with subsequent disposition of underperforming mining assets has potential;

- quotes mgmt as stating that "Myra Falls was in worse shape than we expected when we bought it" (Mar 28) and
- states that the market is angry at Boliden mgmt for the acquisition of Westmin Resources, whose assets were and are of questionable value (those being Lomas Bayas in Chile, Myra Falls, Premier, and Gibraltar).

Concern being that Boliden might be acquired with new owners looking to either sell or "harvest" Myra Falls asset. Focused gov't action to assist Myra Falls operations, where possible & appropriate, could be beneficial to province & company.

Duane A.

TBS → Rg Mg,
- Nanaimo

Schroeter, Tom EM:EX

From: Hall, Ted EM:EX
Sent: Friday, May 26, 2000 11:38 AM
To: Adams, Rick; Anderson, Duane; Bergen, Wally; Beswick, Ed; Booth, Richard; Braidwood, Brian; Brown, Derek; Carriere, Greg; Carter, Tom; Cheetham, Pat; Cochrane, Marlene; Conte, Rick; Curtis, Ross; Errington, John; Finvers, Maija; Forster, Patti; German, Gerald; Harris, Grace; Hermann, Fred; Hesketh, Joan; Hoffman, Al; Houle, Jacques; Jakobsen, Dorthe; Jansen, Penny; Jorgensen, Sharon; Koncohrada, Karen; Lefebure, Dave; Lewis, Jim; Lieutard, Denis; Logan, Claudia; McArthur, Gib; McKillop, Greg; McLaren, Graeme; Munzer, Rosa; Phelan, Bill; Pinsent, Robert; Readshaw, Kerry; Reid, Bruce; Rennie, Lorna; Schmitt, Rolf; Schroeter, Tom; Sedun, Thom; Smyth, Ron; Starkes, Terri; Stewart, Linda; Taje, Eddy; Whale, Andrew; White, Don; Wishlow, Wayne
Subject: Southwest Region Update - May 26, 2000
Sensitivity: Private

ISSUES:

- A quantity of stick explosives, detonating cord, safety fuse and Ezze dets was stolen from the Lockwood Creek Quarry between Parksville and Port Alberni. This is the second explosives theft in the area recently, raising concerns from the RCMP that the "war in the woods" may be about to heat up. Regional staff and the RCMP are investigating the theft from the quarry, and an advisory will be sent out to other operators on the Island alerting them to the need for security precautions.
- The VIMDRC met to finalize the review of the Jameson Road Quarry application, however the committee could not reach consensus on a permitting recommendation. The major unresolved issue regards the potential for adverse public health impacts due to noise and erosion of other basic health determinants. The committee did agree, however, to move forward with a "reasons for decision" report which will go to the Chief Inspector for a permit decision.

FYI:

- MYRA FALLS
- Regional staff met with Boliden Westmin senior exploration managers and geologists to discuss possible custom milling opportunities at Myra Falls Operations, as part of an overall strategy to improve efficiencies at the mine. GC and JH have been touring Boliden around several potential development properties, and the company appears keen on putting at least one application in to test the waters. If successful, this could provide a much needed incentive to the prospecting community on Vancouver Island.
- PUM
- The BC Court of Appeal has allowed the District of Squamish appeal of an earlier decision exempting Great Pacific Pumice Inc. from municipal bylaws under the *Interpretation Act*. The court did not, however, rule on the question of applicability of municipal bylaws to mines and minerals under the *Municipal Act*. Further court proceedings may be required to address that question, and in the meantime GPPI will continue to operate their processing site in Squamish.
 - Due to opposition from the Cheam First Nation and several local governments, the Cabinet decision to announce establishment of the proposed Fraser Lowlands protected areas is being reviewed, and may be rescinded pending further consultations.

Ted Hall

Regional Manager (Southwest)
Ministry of Energy and Mines
Nanaimo
phone: (250) 751-7375; fax: (250) 751-7373

VOR → RG
- Nanaimo

Schroeter, Tom EM:EX

From: Houle, Jacques EM:EX
Sent: Friday, May 26, 2000 8:46 AM
To: Hall, Ted EM:EX
Cc: Cathro, Mike EM:EX; Lane, Bob EM:EX; Wojdak, Paul EM:EX; Wilton, Paul EM:EX; Schroeter, Tom EM:EX; Lefebure, Dave EM:EX; Smyth, Ron EM:EX; McArthur, Gib EM:EX; Brown, Derek EM:EX; Jakobsen, Dorthe EM:EX; Carriere, Greg EM:EX; Pinsent, Robert EM:EX
Subject: Houle Weekly Report for May 19-25

MYRA
FALLS

Boliden Exploration Personnel Meeting - May 23:

Met with Boliden exploration personnel Bill Fisher, Chris Rockingham (both Toronto), and Ivor McWilliams, Dean Crick (both Myra Falls) at the Nanaimo office, following their field visit to the Lara property with Greg Carriere of our office. Boliden is investigating new mining opportunities on Vancouver Island, particularly satellite massive sulphide deposits to meet excess capacity at the Myra Falls plant. This is a fairly tentative move at this time, which will hopefully be successful and lead to more aggressive exploration by Boliden in the future.

PAP

Prospectors Assistance Application Review - May 24:

Reviewed PAA's for the SW Region in Victoria with D. Lefebure and G. Payie. A calculation (faulty assumption) error was discovered and corrected in 9 of the 26 applications for the SW region, resulting in downgrading of all 9 applications by anywhere from 2.5 to 75 points. Also, 2 applications were re-scored at the request of Dave/Garry, resulting in both decreasing by about 18 points.

J.F. Thompson (Chief Scientist for Teck Corporation) Presentation on 'What a Geological Survey can do for a Multi-national Exploration Company' - May 24:

Attended John's presentation in Victoria to most of the Geological Survey Branch personnel, from the viewpoint of Teck Corporation. He emphasized the primary goal of any geological survey as being the production of high-quality maps for use by industry. Both Jack Ebbels and Joan Hesketh attended the initial part of the presentation, but not the question and answer session that followed.

Use of Geological Survey Branch Laboratory Facilities in Victoria - May 24-25:

Ray Lett kindly provided orientation to the lab. Facilities in Victoria, which were used to reduce the Zeballos waste rock sample, and to slab various mineralized rock specimens collected from sites throughout Vancouver Island over the past 2 months.

Meetings with Nick Massey and Graham Nixon re. Vancouver Island - May 25:

Met with Nick and Graham separately to discuss mineral exploration opportunities on Vancouver Island, based on their experiences and insights gained working throughout the area.

VOS → MTH
Full

Schroeter, Tom EM:EX

From: Lieutard, Denis EM:EX
Sent: Thursday, January 21, 1999 2:31 PM
To: Stone, Kim EM:EX
Cc: Schroeter, Tom EM:EX; Conte, Rick EM:EX; Pinsent, Robert EM:EX
Subject: RE: E&N Land Grant
Sensitivity: Private

Kim, Please have Ron Stewart respond.

Robert, In response to your question about "plans to clean up this inconsistency". A plan was developed some years ago to deal with the subsurface rights for E&N Lands, which I will describe to you if you call and ask. D.

From: Pinsent, Robert EM:EX
Sent: Thursday, January 21, 1999 11:10 AM
To: Lieutard, Denis EM:EX; Conte, Rick EM:EX
Cc: Schroeter, Tom EM:EX
Subject: E&N Land Grant
Sensitivity: Private

Boliden Westmin is showing interest in exploration on Vancouver Island. Cliff Pearson would like to know about the current status of the E&N land-grant area. I gather CPR is currently negotiating the sale of some or all of the area and he would like to know what that means for sub-surface mineral titles. Is he right in thinking that any new owner would get the base metal rights and that the government will still only retain the precious metal rights? There aren't any plans to clean up this inconsistency in title are there?

Thanks,

Robert

Schroeter, Tom EM:EX

VGS → Myra Falls

From: Schroeter, Tom EM:EX
Sent: Wednesday, March 03, 1999 2:30 PM
To: Pinsent, Robert EM:EX
Subject: RE: Myra Falls
Sensitivity: Private

Thanks, Tom.

From: Pinsent, Robert EM:EX
Sent: Wednesday, March 03, 1999 2:00 PM
To: Schroeter, Tom EM:EX
Subject: Myra Falls
Sensitivity: Private

Cliff Pearson Called.

Boliden Westmin has established its January 1999 mining reserve at 6,785,800 tonnes grading 1.5 g/t Au, 36.8 g/t Ag, 1.5% Cu, 0.5% Pb and 7.9% Zn. The figure includes a 28% factor for dilution. The reserve understates the potential of the operation as the company hasn't had time/opportunity to drill off several known zones, such as the Gap, that figure within a much larger geological resource. Its effort has gone into deep drilling Marshall rather than definition drilling Gap. Cliff has an exploration budget of \$2.3 million this year - for deep drilling Marshall and the footwall test (24 level H-W) exploration projects.

Boliden may be cutting back in Vancouver, but it is also showing interest in exploration on Vancouver Island. Cliff was wondering if MEM would be interested in participating in an exploration oriented workshop at the mine next September!

The mine should be back producing on schedule at the end of March, if not a few days sooner.

Robert

VCS → Myra Falls

Schroeter, Tom EM:EX

From: Lefebure, Dave EM:EX
Sent: Wednesday, July 29, 1998 5:27 PM
To: Schroeter, Tom EM:EX
Subject: FW: Boliden Westmin Ltd. Exploration Forum

From: Lefebure, Dave EM:EX
Sent: Wednesday, July 29, 1998 5:23 PM
To: Smyth, Ron EM:EX
Cc: McArthur, Gib EM:EX; McMillan, Bill EM:EX; Schroeter, Tom EI:A1; Alldrick, Dani EM:EX; Massey, Nick EM:EX; Pinsent, Robert EM:A1
Subject: Boliden Westmin Ltd. Exploration Forum

An innovative exploration forum was held from July 23 to 25, 1989 in Campbell River by Boliden-Westmin Ltd. The objective of the forum was to generate ideas regarding exploration for new ore reserves on their Myra Falls mine site. Ministry staff participated to contribute their expertise and sell the province's potential for exploration.

Background

The Myra Falls underground mine is located inside Strathcona Park and has been producing copper, zinc, lead, gold and silver since 1966. It is the only metal mine currently operating on Vancouver Island. The mine has produced 30 Mt of ore from a number of different orebodies and has ore reserves sufficient for approximately 7 more years of production. The company wants to find new ore reserves that will ensure the mine can continue to operate well into the next century and plan the necessary underground development.

The mine had been operated by Westmin Resources Limited which was taken over by Boliden Limited early this year. Boliden is a relatively large international mining and smelting company based in Sweden. It is expanding its mining operations globally and has moved its head office to Toronto.

Forum Description

Based on a similar meeting arranged for the Kidd Creek mine in 1996, the Forum started on Thursday with an underground tour of the Battle Mine orebodies and examination of drill core and samples from the entire property. The following morning mine staff reviewed the geology, history, exploration techniques, research and exploration strategy of the property. Then the twenty company, government and industry geologists were split into three separate groups for independent brain storming sessions. These same groups spent much of Saturday formulating exploration project plans based on the brain storming ideas. The project plans were presented to the entire group at the end of the day.

The Ministry participants were Dani Alldrick, Dave Lefebure, Nick Massey (1 day), Robert Pinsent and Tom Schroeter. All Ministry accommodation costs and some meals were covered by Boliden Westmin Ltd. On Saturday morning Ministry staff reviewed the B.C. exploration database and the Sicker Group stratigraphy and related mineralization. This was particularly important because it introduced the new Boliden exploration staff based in Toronto and Sweden to one of the province's major selling points for mineral exploration - our advanced geoscience database.

Results

- Exploration and mining has defined a number of rich, polymetallic orebodies along a 6 kilometre long northwest trend (Myra Falls trend).

- The Myra Falls trend extends almost the length of the property and undoubtedly continues beyond the northwestern boundary.
- Numerous mineralized drill hole intersections and several reports of mineralization in underground development workings underline the high mineral potential of the Myra Falls ore trend. There will probably be more small ore bodies found near existing underground workings.
- All participants were convinced that the Myra Falls property warranted major exploration programs to search for new orebodies on the claim group.
- Several targets were identified as warranting exploration which were not in the plans for exploration on the mine site in the next 6 years.
- Boliden is better informed about the advanced geoscience database in British Columbia and this could result in more exploration activity in B.C. in the next five years.

VGS → Myra
Falb

Schroeter, Tom EM:EX

To: dcrick@westmin-resources.com
Subject: Mining Advocate/Lobby Effort
Sensitivity: Private

Dean, got your email dated July 30/98 but inadvertantly deleted your attached Word document concerning your 'proposed' lobby effort. Any chance of receiving a copy by fax or email again? As for the mining advocate choice - your guess is as good as mine. Whoever it turns out to be, I would suggest Boliden initiating discussions at an early stage. I would be prepared to assist with this, if appropriate. Good luck this summer and congratulations on a great Forum. Tom

TGS → Myra Falls

Schroeter, Tom EM:EX

From: Dean Crick[SMTP:dcrick@westmin-resources.com]
Reply To: Dean Crick
Sent: Thursday, July 30, 1998 12:28 PM
To: tschroeter
Subject: Keep Mining In BC



ATT396453.doc

Tom,

Thanks for your contributions to the exploration forum, they were greatly appreciated.

As we discussed, an advocacy group lobbying for mining and exploration might be an effective tool for expanding the mining lease boundaries in Strathcona Park. Certainly the recent press release of a new tax credit for mining and exploration in BC suggests the political climate may be moving in the right direction. Who do you think the government will choose for a mining advocate, politician or industry person?

I have attached a memo I presented to management concerning this matter. I would appreciate any suggestions you might have for a lobby effort.

Regards

Dean

Need
to open

Needs Action

Tom

Thanks for the reminder. It's always better to send something on paper as I am more inclined to do it then.

Unfortunately, I had to give some of my spares to a co-worker who is giving a ~~the~~ talk @ the CIM in May. The slides I have included still have the Westmin logo, but are probably better than what you have. I did, however, throw in a diskette w 3 files on it - these are Corel Draw 7.0 files that you could have made into slides if you like.

I hope this is helpful. Give me a shout if you need anything further.

Cheers,
Sean McKinley. (250) 287-9271 ext. 290

P.S. Yes - I will be leaving - I will be based in Boliden, Swe. for 1 year starting mid-May. This will include ~4 months in Ireland doing Pb-Zn exploration work. Not a bad gig!

TBR email: Mar-8/99
"Thanks - good luck!"

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Friday, August 27, 1999 7:51 AM
To: Lefebure, Dave EM:EX
Subject: RE: Cliff Pearson Retirement party

Thanks for the note, Dave. I, too, will be unable to attend - up at RDN and Eskay Creek sites. Tom.

From: Lefebure, Dave EM:EX
Sent: Friday, August 27, 1999 7:45 AM
To: Schroeter, Tom EM:EX
Cc: Smyth, Ron EM:EX; Pinsent, Robert EM:EX
Subject: Cliff Pearson Retirement party

Tom:

Boliden-Westmin are holding a retirement party on Tuesday August 31 in the early evening in Campbell River for Cliff Pearson. The company decided on short notice to hold the event. I won't be able to attend because of family travel plans.

Cheers,
Dave

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Wednesday, October 06, 1999 9:23 AM
To: 'D.Crick@Boliden.ca'
Cc: 'Baylis Donna'
Subject: MEG - MYRA FALLS Invitation
Sensitivity: Private

Dean, further to our telephone conversation this morning:

On behalf of the Vancouver Mining Exploration Group (MEG), it is my distinct pleasure to invite Boliden to present a talk on its Myra Falls Operation on Wednesday, January 5, 2000. The venue will be the Hyatt Regency Hotel in downtown Vancouver. We expect about 100 people, principally from the mining industry, academia and the brokerage/investment houses. A sit-down meal starts at noon, followed by a 30-45 minute talk, using 2 slide projectors.

The MEG is "a non-profit organization directed by mining, exploration and government representatives. The MEG exists to promote the sociable exchange of exploration information and experience through a series of luncheon meetings featuring talks on new discoveries, breaking developments in technology and current geological knowledge of prospective belts". This year will be our 42nd year of existence! I'm FAXING you the Schedule of Talks for the 1999-2000 MEG Season.

When I proposed the topic of Myra Falls to the MEG Executive Committee, it was unanimous in agreeing to requesting a talk. Besides the fact that most of the members have not heard a recent technical talk on Myra Falls, I believe the venue would also provide Boliden with a good opportunity to be better exposed to the exploration and investment scene here in Vancouver.

In order to proceed with the formal distribution of the Schedule of Talks, would it be possible to confirm (Yes or No) Boliden's participation by Wednesday, October 13th? If "Yes" could you please provide me with the TITLE of the talk and the SPEAKER'S name?

Thanks very much; I look forward to your reply.

P.S. Hope your exploration program is going well. Do you have a (confidential) estimate for number of meters drilled (i.e. projected) for the calendar year, 1999?

Cheers, Tom.

Date:	Oct. 6/99		Time:	9:30am		Total Pages (incl. cover):	46	
→	TO: <u>Dean Crick</u> <u>Exploration</u> <u>Boliden</u> Organization: <u>Myra Falls operation</u> Fax: <u>250-287-7123</u> Phone: _____							
→	FROM: Tom G. Schroeter, P. Eng. Senior Regional Geologist Phone: (604) 560-2812 Fax: (604) 775-0313							
→	CC: _____							
→	ACTION: <input type="checkbox"/> In response to your request <input type="checkbox"/> For your action <input checked="" type="checkbox"/> For your information <input checked="" type="checkbox"/> For distribution <input type="checkbox"/> For approval <input type="checkbox"/> For comment							
→	<input type="checkbox"/> Urgent <input type="checkbox"/> Confidential							

COMMENTS: Re: MEG Schedule
 - a follow-up to Email (today)
 Cheers,
 Tom.

Schroeter, Tom EM:EX

TOP → Myra Falls

From: Guillermo Salazar[SMTP:salazars@cadvision.com]
Sent: Friday, October 08, 1999 1:42 PM
To: Schroeter, Tom EM:EX
Subject: Re: Production & Reserves

Many thanks for the info. I knew I could depend on you ... once again.
Credits will be given as pers. comm. from you.

Guillermo

"Schroeter, Tom EM:EX" wrote:

>
> Hi Guillermo.
> 1) Britannia: Produced from 1905-1977, 1988. 47,402,533 tonnes milled
> yielding 15,360,561 grams of gold, 180,845,883 grams of silver, 516,960,095
> kilograms of copper, plus lead, zinc and cadmium. Resources are: 1,424,147
> tonnes @ 1.9%Cu.
>
> 2) Myra Falls (incl. Myra Falls, H-W and Lynx orebodies): Production from
> 1967 to 1998 incl. (still operating). 19,273,562 tonnes milled yielding
> 23,031,051 grams of gold (ranks # 10 in gold production all time in BC),
> 782,217,289 grams of silver, and 322,368,763 kilograms of copper, plus about
> 865,000,000 kilograms of zinc and 67,000,000 kilograms of lead. Resources
> are: 6,785,000 tonnes @ 1.5g/tAu, 36.8g/tAg, 1.5%Cu, .5%Pb, and 7.9%Zn.
> [This is truly a "world-class" deposit].
>
> Tom.
>
> > -----
> > From: Guillermo Salazar[SMTP:salazars@cadvision.com]
> > Sent: Thursday, October 07, 1999 5:44 PM
> > To: Schroeter, Tom EM:EX
> > Subject: Production & Reserves
> >
> > Tom
> >
> > Would you happen to have latest and most reliable production and reserve
> > figures for the Britannia and Buttle Lake mines? My numbers are at least
> > five years old, and I learnt a little while back that you keep pretty
> > good data.
> >
> > i hope that the rise in the price of gold has improved the climate in
> > B.C.
> >
> > Best of luck and many thanks in advance.
> >
> > Guillermo Salazar
> >
> > ph: 403-281-6889
> > fax: 403-281-4213
> >

Schroeter, Tom EM:EX

From: Schroeter, Tom EM:EX
Sent: Monday, October 25, 1999 1:00 PM
To: 'D.Crick@Boliden.ca'
Subject: MEG / Drilling Meterage
Sensitivity: Private

Dean, Will Boliden be part of the MEG schedule (i.e. Jan. 5/2000) as earlier discussed, or not? We need to know one way or the other, please. Also, any 'guesstimate' of the total meterage of exploration drilling at Myra Falls in 1999? Thanks very much. Tom.