

August 7th, 2013

To: Al Hoffman, PEng.  
Chief Inspector of Mines  
Ministry of Energy and Mines  
Victoria, BC

From: Douglas W. Flynn, PEng.  
Senior Inspector of Mines  
Ministry of Energy and Mines  
Smithers, BC

Re: **Fatal Accident – Seabridge Gold Inc. – KSM Project -**

Deceased:	DESMARAIS; Pat Lawrence
Date of Birth:	s.22
Date of Accident:	October 23 <sup>rd</sup> , 2012
Location of Accident:	56.476 lat. 130.284 lon. 56-28-36 130-17-02
RCMP File No:	Stewart Detachment 2012-319
Coroner Case No:	2012-00736-0041 Autopsy No: A-12-033

Enclosed please find the final report on the circumstances surrounding the above referenced accident.

Copies of the final report will be distributed to:

Mr. William Warcup, Coroner's Service, Terrace, BC  
Const. Chris Foster, RCMP, Stewart Detachment, Stewart, BC  
Mr. Michael Savell, KSM Project Manager, Seabridge Gold Inc.  
Mr. Jay Hallman, Owner, Blue Bear Exploration Ltd. Smithers, BC  
Ministry Of Energy and Mines, Smithers Office [two copies]

August 7th, 2013

Const. Chris Foster  
Royal Canadian Mounted Police  
Stewart Detachment  
P.O. Box 158  
Stewart, BC, V0T 1W0

**RCMP File No. 2012-319**

Dear Const. Foster:

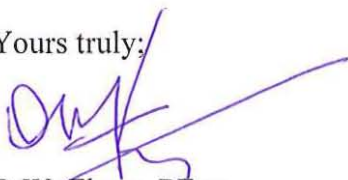
**Re: Fatal Accident to DESMARAIS; Pat Lawrence – October 23<sup>rd</sup>, 2012 – KSM Project**

Attached for your records is a final copy of our report into the above referenced fatality.

I would like to take this opportunity to thank you and the Members and staff of the Stewart Detachment for your cooperation and assistance in this investigation.

If I can ever be of assistance to you in any way please do not hesitate to call.

Yours truly:



D.W. Flynn, PEng  
Senior Inspector of Mines  
Health and Safety  
Ministry of Energy and Mines  
Smithers

Cc Al Hoffman, PEng, Chief Inspector of Mines, Victoria  
Const. Lesley Smith, RCMP Media Relations Officer, North District  
4020-5<sup>th</sup> Ave. Prince George, BC. V2M7E7

Encl: Fatality Report

August 7th, 2013

Mr. Michael Savell, PGeo  
Project Manager, KSM Project  
Seabridge Gold Inc.  
106 Front Street East  
Suite 400  
Toronto, Ontario  
M5A 1E1

Dear Mr. Savell:

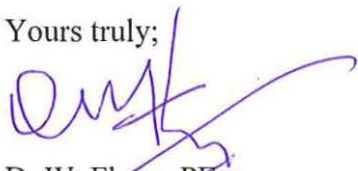
**Re: Fatal Accident to DESMARAIS, Pat Lawrence – October 23<sup>rd</sup>, 2012 – KSM Project**

Attached for your records is a copy of our final report into the above referenced fatality.

I would like to take this opportunity to thank you and your staff for their assistance and cooperation in this investigation.

If you have any questions or concerns please call.

Yours truly;



D. W. Flynn, PEng  
Senior Inspector of Mines  
Health and Safety  
Ministry of Energy and Mines  
Smithers

Cc Al Hoffman, PEng; Chief Inspector of Mines; Victoria

Encl Fatality Report

August 7th, 2013

Mr. William Warcup  
Coroner  
Mills Memorial Hospital  
4720 Haugland Avenue  
Terrace, BC  
V8G 2W7

**Coroner Case No: 2012-00736-0041**

Dear Mr. Warcup:

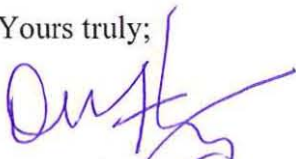
**Re: Fatal Accident to DESMARAIS, Pat Lawrence – October 23<sup>rd</sup>, 2012 – KSM Project**

Attached for your records is a final copy of our investigation report into the above-referenced fatality.

I would like to take this opportunity to thank you and the staff of the Coroner's office for your assistance and cooperation in this investigation.

If we may be of assistance to you in any way in the future please do not hesitate to ask.

Yours truly;



D. W. Flynn, PEng  
Senior Inspector of Mines  
Health and Safety  
Ministry of Energy and Mines  
Smithers

Cc Al Hoffman, PEng; Chief Inspector of Mines, Victoria

Encl: Fatality Report

August 7th 2013

Mr. Jay Hallman  
Blue Bear Exploration Ltd.  
6640 Lake Kathlyn Road  
Smithers, BC, V0J 2N2

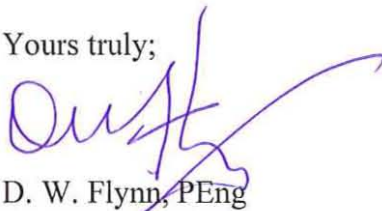
Dear Mr. Hallman:

**Re: Fatal Accident to DESMARAIS, Pat Lawrence – October 23<sup>rd</sup>, 2012 – KSM Project**

Attached please find our final report into the above referenced fatality.

Please feel free to contact us if you have any concerns or questions.

Yours truly;



D. W. Flynn, PEng  
Senior Inspector of Mines  
Health and Safety  
Ministry of Energy and Mines  
Smithers

Cc Al Hoffman, PEng; Chief Inspector of Mines, Victoria

Encl; Fatality Report

# Report of a Fatality

DESMARAIS, Pat Lawrence

October 23<sup>rd</sup>, 2012

KSM Project

Seabridge Gold Inc

Report prepared by: Douglas W. Flynn, PEng Senior Inspector of Mines

R. Scott Parker, A.Sc.T Inspector of Mines

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## Executive Summary

On the afternoon of October 23<sup>rd</sup>, 2012 at approximately 15:00-15:15 hours two surveyors working on a contract basis for Seabridge Gold Inc on the Kerr-Sulphurets-Mitchell [KSM] project were struck by a small avalanche resulting in both of them being swept off their feet. s.22, s.15  
was able to roll out of the avalanching snow but Mr. Desmarais was not s.22, s.15  
Injuries incurred as a result of the fall were fatal.

The KSM site is an advanced exploration project covering a wide area approximately sixty-five [65] kilometers north of the community of Stewart. The project has been on-going on a seasonal basis for a number of years. The company received the "Application Information Requirements" for the project on January 31, 2011 in order to enter Environmental Assessment process to gain an EA Certificate to allow the project to proceed to further review and permitting with the ultimate objective of becoming an operating mine.

The KSM Project Team was in the process of completing their 2012 operation for the year the week of the accident. One of the jobs left to finish was the surveying of the diamond drill hole collars in various locations around the property. The hole sought after on the afternoon of October 23<sup>rd</sup> was the 31<sup>st</sup> to be located and was labelled K-12-20. See Attachment E photo 4 showing approximate location of hole. This location is based upon information supplied to the writer by s.22, s.15  
Hy-Tech Drilling Ltd. Smithers, BC. Hy-Tech Drilling was the drilling contractor during the 2012 exploration season. All Hy-tech employees had left the site prior to the accident taking place s.22, s.15

The surveyors hired for the job were employed by Blue Bear Exploration Ltd. a private company owned by Jay Hallman, Chief Surveyor. See Section 2 for information on Blue Bear Exploration Ltd.

Photos taken the day after the accident are attached as Attachment E.

Photo 1 is taken looking south at the mountain side above the KSM camp. The helicopter landing pad used by the drillers and geologists to access the drill is shown and identified in Photo 2. The approximate location of the drill site of interest is shown in Photo 4. Location based on information provided s.22, s.15  
The drill hole sought by the surveyors was drilled in the period August 29<sup>th</sup>-September 11. s.22, s.15  
Information provided by Hy-Tech Drilling Ltd. and KSM Project.

The sequence of events, s.22, s.15  
are as follows:

-1-

Page 9 redacted for the following reason:

-----

s.22, s.15

s.22, s.15

s.22  
chain of events statement as prepared by Pretium contractors and staff.

Attachment D has a

s.22

-3-

## **Section 1: Date and Time of the accident**

1.1 October 23<sup>rd</sup>, 2012 at approximately 15:15-15:30 hours

## **Section 2: Name and Address of Principal Stakeholders and Companies Involved**

### **2.1 Owner/Operator**

Seabridge Gold Inc. – Kerr-Sulphurets-Mitchell [KSM] Project  
Blue Bear Exploration Ltd [Surveyor contractor]

### **2.2 Owner and Mailing addresses**

Seabridge Gold Inc  
106 Front Street East  
Suite 400  
Toronto, Ontario, M5A 1E1  
Tel: 416-367-9292

Blue Bear Exploration Ltd  
6640 Lake Kathlyn Road  
Smithers, BC V0J 2N2  
Tel: 250-847-9664

### **2.3 Mine Manager and Contractor Manager**

s.22, s.15

-4-

## 2.4

### Name and Contact information of Decedent

Mr. Pat Lawrence Desmarais

s.22

### Date of Birth:

s.22

### Next of Kin:

s.22

## 2.5

### Outside Agencies/companies Involved in Investigation

RCMP:

Const. Chris Foster  
Stewart Detachment  
**File: 2012-319**  
Tel: 250-636-2233

Coroner:

William Warcup  
Mills Memorial Hospital  
Terrace, BC  
**Coroner Case No: 2012-00736-0041**  
Tel: 250-615-7023/3860

Soucie Construction Ltd.

Norman Winter [Resume Attached]  
Avalanche Risk Mitigation and Mountain  
Safety Division  
Soucie Construction Ltd.  
P.O. Box 33  
Stewart, BC V0T 1W0

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Pretium Resources Inc.  
Brucejack Project

Kevin Torpy  
Director, Mine Engineering and On-Site  
Mine Manager on October 23<sup>rd</sup>, 2013  
1600 – 570 Granville Street  
Vancouver, BC. V6C2W2

Hy-Tech Drilling Ltd.

P.O. Box 3248  
2715 Tatlow Road  
Smithers, BC V0J 2N0

Hy-Tech Drilling Ltd.

## 2.6

### Ministry of Energy and Mines Investigators Involved

Investigator of Record: Douglas W. Flynn, PEng  
Senior Inspector of Mines  
Ministry of Energy and Mines  
Health and Safety  
Smithers, BC

Assisting Investigator Richard Scott Parker, A.Sc.T.  
Inspector of Mines  
Ministry of Energy and Mines  
Health and Safety  
Smithers, BC

## Section 3: Description of Employee Status

### 3.1

-6-

## **Section 4: Location of Event/Type of operation**

- 4.1 The location is on the north face of an unnamed mountain overlooking Sulphurets Lake and the KSM exploration camp. See Map 1 for the general area and map 2 the specific location on Mineral Claim 516261. The KSM exploration camp is approximately 65 kms north of Stewart, BC and five kilometers west of Pretium Resources Inc, Brucejack Lake Project. Map 1 is re-produced from the "Application Information Requirements" for Seabridge Gold Inc's application for an Environmental Assessment Certificate dated January 31, 2011.
- 4.2 The approximate coordinates of the location of the accident are:  
N 56.476 Latitude or 56 degrees 28 minutes 36 seconds.  
W. 130.284 Longitude or 130 degrees 17 minutes 02 seconds
- 4.3 Seabridge Gold Inc is the owner of the Kerr-Sulphurets-Mitchell [KSM] advanced exploration project. The company has been exploring in this area for a number of years now having re-acquired the property from Noranda Inc/Falconbridge in 2006. In June of 2007 Seabridge Gold Inc posted the required reclamation securities to assume ownership of Mineral Exploration permit MX-1-571. At that time the project was Kerr-Sulphurets. The project name was changed to Kerr-Sulphurets-Mitchell in 2008.
- 4.4 At the time of the accident Seabridge was winding down their exploration program for 2012. The drill crews [Hy-Tech Drilling] were gone as was a number of other staff as the camp was to be closed by October 26th. Other than the locating of the drill hole collars there was only the winterizing of the camp to complete in order for all to leave the site. There was no intention of staying any longer than necessary to achieve that objective.

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## Section 5: Equipment or Machinery Involved

5.1 The crew was flown to the heli-pad in a helicopter on contract from Lakelse Air of Terrace, BC. Lakelse Air has been involved in this project for a number of years.

The GPS system used by Blue Bear Exploration Ltd was a Trimble Navigation Limited unit similar to the unit held by the worker in Photo 8.

## Section 6: Notification

6.1 Jill Pardoe, Senior Inspector of Mines – Permitting received a call from on October 23<sup>rd</sup>, 2012 at approximately 16:20 hours advising of an avalanche on site striking two surveyors. One of the surveyors was ok but the other was missing. [See phone records Attachment G] The writer was advised of the situation by email from Jill Pardoe at approximately 16:28 hours.

The writer subsequently contacted the RCMP Dispatch Center in Prince George to determine the name of the Member handling the case from the Stewart Detachment. Const. Chris Foster was identified as the investigating Member and the File number is 2012-319. Contact was established with the Constable and a time frame set up for accessing the scene with the RCMP and the Coroner if he/she desired to come along the next day. VIH Helicopters was engaged to fly to the site via the Pretium Resources Brucejack Lake camp site.

6.2 Upon arrival in Stewart on October 24<sup>th</sup> Parker and Flynn attended to the RCMP detachment and met with Const. Foster. A review of the incident was conducted with the viewing of photos taken earlier that day in the Stewart Hospital.

A helicopter had been arranged by the RCMP for the trip to the scene. It was decided that we would stop off at the Pretium Resources Brucejack Project Camp and speak to the staff there regarding their involvement in the search/rescue/recovery of the decedent.

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We then proceeded to the KSM Project having picked up Norman Winter, Avalanche Technician, Brucejack Camp. Mr. Winter at the time of the accident worked for Avalanche Risk Mitigation and Mountain Safety Division; Soucie Construction Ltd. Stewart, BC.

Weather conditions at the time were windy and it was decided that we would not set down on the heli-pad that was used the day before to by the surveyors. Instead we circled the site and took photos from the helicopter as we circled with Norman Winter pointing out various points of interest as we moved up and down in elevation. The photos used in this report are a combination of RCMP and MEM Investigator photos taken during this flight.

Upon landing at the KSM camp and meeting those KSM staff on site Const. Foster took a statement from [Attachment C]. During this time the writer and Scott Parker spoke to

Norman Winter was present during these conversations. Mr. Winter was asked by the writer to compile a report on the accident from an avalanche perspective and to detail the conditions found the day of the accident and in the days preceding it. This report is attached as Attachment D.

Upon completion of the discussion with those staff still present on site the RCMP and MEM Investigators returned to Stewart.

The following day, October 25<sup>th</sup>, 2012, the MEM investigators returned to the RCMP Detachment office and picked up some further information then departed to Smithers.

## Section 7

### Observations

#### 7.1

Mr. Winter's report describes conditions prior to and on the day of the accident. Last week of September saw rain and snow in the area down to 1300 M Above Sea Level [ASL]. Snow depths were approximately 10 – 15 cms. Subsequent storms brought an estimated further 70 -90 cms of snow. Temperatures were cold after about October 18<sup>th</sup> with strong winds

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as a result of the Arctic outflow conditions.

The wind conditions contributed to a variable snowpack situation by creating cross loading and slabbing. The avalanche hazard rating forecast by the Brucejack based Av-Techs was low for October 20-23, 2012.

The Canadian Avalanche Center Public Information Bulletin had not begun to issue Avalanche Hazard News Releases and would not do so for a further five weeks after this accident. The reader is advised to read Mr. Winter's full report.

## 7.2

During the flight overview Norm Winter pointed out various locations to the other helicopter passengers. During that flight a number of photos were taken by all passengers and the following comments are based on the observations of features observed in the MEM and RCMP photos.

## Section 8

### Causation

### 8.1

The windy conditions experienced by this area in the days prior to the accident resulted in snow deposition conditions that were slabby.

Above the indicated path of travel one photo clearly shows a "crown" or "scarp" which would be the high point of the snow release. See photo 5 showing the crown just below the cliff face. It is the opinion of the writer that this was the highest point of release on October 23<sup>rd</sup>. At this time I would like to enter into the discussion a photo taken by Jeff Kyba, Regional Geologist, MEM, Smithers. Photo 7 is of the mountain slope, taken on August, 30<sup>th</sup>, 2012 and looking west. By carefully comparing various features of this photo with those taken on October 24<sup>th</sup> I am of the opinion that there were pockets of residual snow on the slope from the previous winter. This snow would be in the form of "fingers" extending down the mountain. Jeff's photo does not clearly show the helipad or drill although I believe them to be in the photo.

Careful examination of all photos plus the statement of s.22, s.23 shows residual snow on the slopes above and to the west of the helipad and drill site.

-10-

s.22

s.22

The colder temperatures of the previous few weeks resulted in the snow freezing and producing a very hard slippery surface allowing the slab snow deposited on top during the previous three weeks to slide with minimal motivation. Photo 5 which has been enhanced by changing the color tints shows the scarp and other slabs of snow broken away but not yet released down the slope.

s.22

Attachment "I" is a group of photos taken July 5<sup>th</sup>, 2013. The "fingers" of snow are present in these photos with the longest extending down towards the chute

s.22

s.22

## Section 9 Previous Inspections of KSM Project for 2010, 2011 & 2012 See Attachment H

## Section 10 Potential Contraventions of the Mines Act and Health, Safety and Reclamation Code for Mines in British Columbia

10.1 The Mine Manager and where work is let to a contractor the contractor's Manager are obliged to provide a safe work environment for the workers on site. Part 1.9.1 [1] of the Code says "the manager shall take all reasonable and practicable measures to ensure that the workplace is free of potentially hazardous agents and **conditions** which could adversely affect the health, safety or well being of the workers". It is the opinion of the writer that no further action is required at this time other than the recommendations put forward in Section 11 of this report.

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## Section 11

**Recommendations**

The conditions leading up to this accident were in my mind unforeseen and unknown. The presence of the underlying snow “finger” would only have been known by those who flew in and out of the drill site during the approximate period of time it took to create the pads, set up the drill, drill the hole and move everything off the site at the end. During the drill operation the water supply came by hose from the west and above the drill site. The drillers crossed the snow finger whenever they had to walk the hose line. Investigation of the drill site on July 5<sup>th</sup> past showed that only a short section of anchor less than 15 cms in length was visible. Also present was a small 40-50 cm wide rod grease stain plus some nails and small blocks of wood. Given that there was snow on the ground all of the above would have been obscured. The surveyors would have had to have prior knowledge of the collar site or someone with them that knew where to look for the hole.

Recommendation 1. It is imperative that workers or contractors retained late in a program be fully informed regarding conditions that may impact their work. If they are expected to venture into the field then a knowledgeable person familiar with the terrain must accompany them so that the risks of the work at hand are minimized. In this case the Hy-Tech Foreman would have been the best person to fill that role as he knew exactly where the hole was located. If there isn’t such an individual on site then a review of the expected location of the target would be in order with the company and anyone else on site that would have knowledge useful to achieving the objective.

Recommendation 2. Once an exploration program is decided upon by a company and locations picked for drilling or trenching a hazard assessment by suitably qualified personnel must be done with photographs clearly showing the hazards expected immediately and those that might show up after a snowfall or heavy rain event. The information gleaned from this assessment would be posted in a location available for all staff and contractors. Whenever a drill is moved the assessment would be reviewed and a decision made to re-assess if required. A copy of such an assessment is attached to the photographs in Attachment “I”.

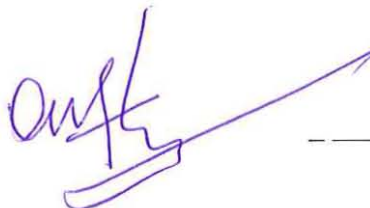
-12-

Recommendation 3. The foot wear used by the decedent was of a type popular with workers in colder conditions. This type of boot slides onto a person's foot and is held on by the individual remaining upright. Both boots were noted to be off the decedent when recovered. Based on my experience in similar conditions I am recommending that a secure lace-up boot with an aggressive tread and if necessary corks be considered as a standard form of footwear. In some cases the decision to use this type of foot wear may well not be made until actually on the site where travel is required.

## Section 12

### Signatures

Inspector of Record \_\_\_\_\_



Title \_\_\_\_\_ Senior Inspector of Mines \_\_\_\_\_

Date \_\_\_\_\_ 2013/08/02 \_\_\_\_\_

Reviewer \_\_\_\_\_



Title \_\_\_\_\_ Inspector of Mines \_\_\_\_\_

Date \_\_\_\_\_ 2013/08/02 \_\_\_\_\_

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## ATTACHMENT A

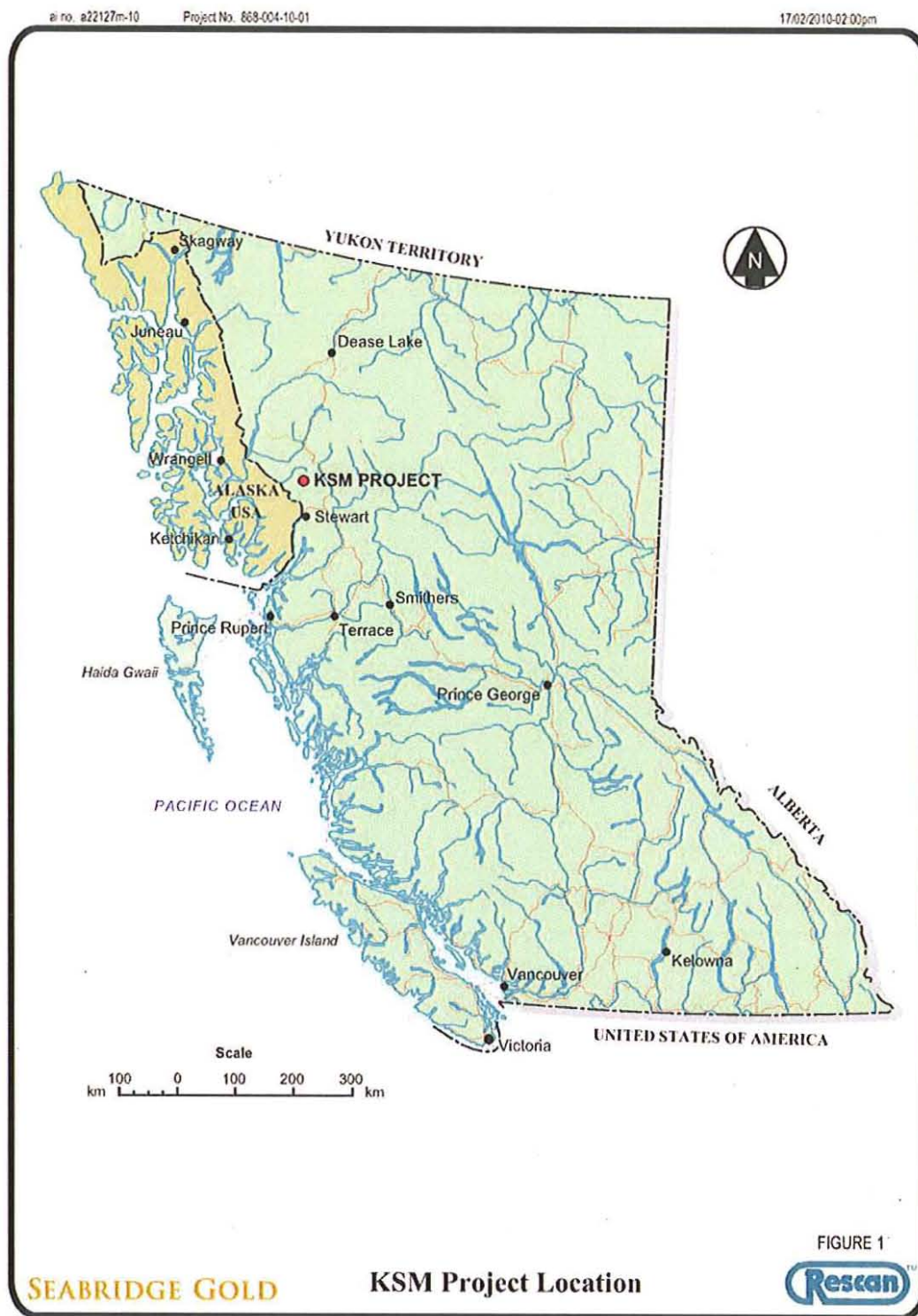
Location of Accident

Maps

Mineral Titles information on Mineral Claim 516261

-14-

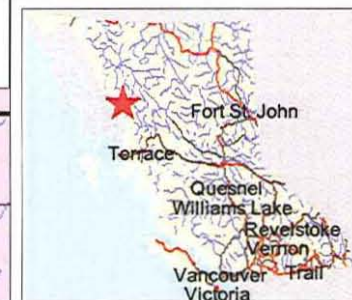
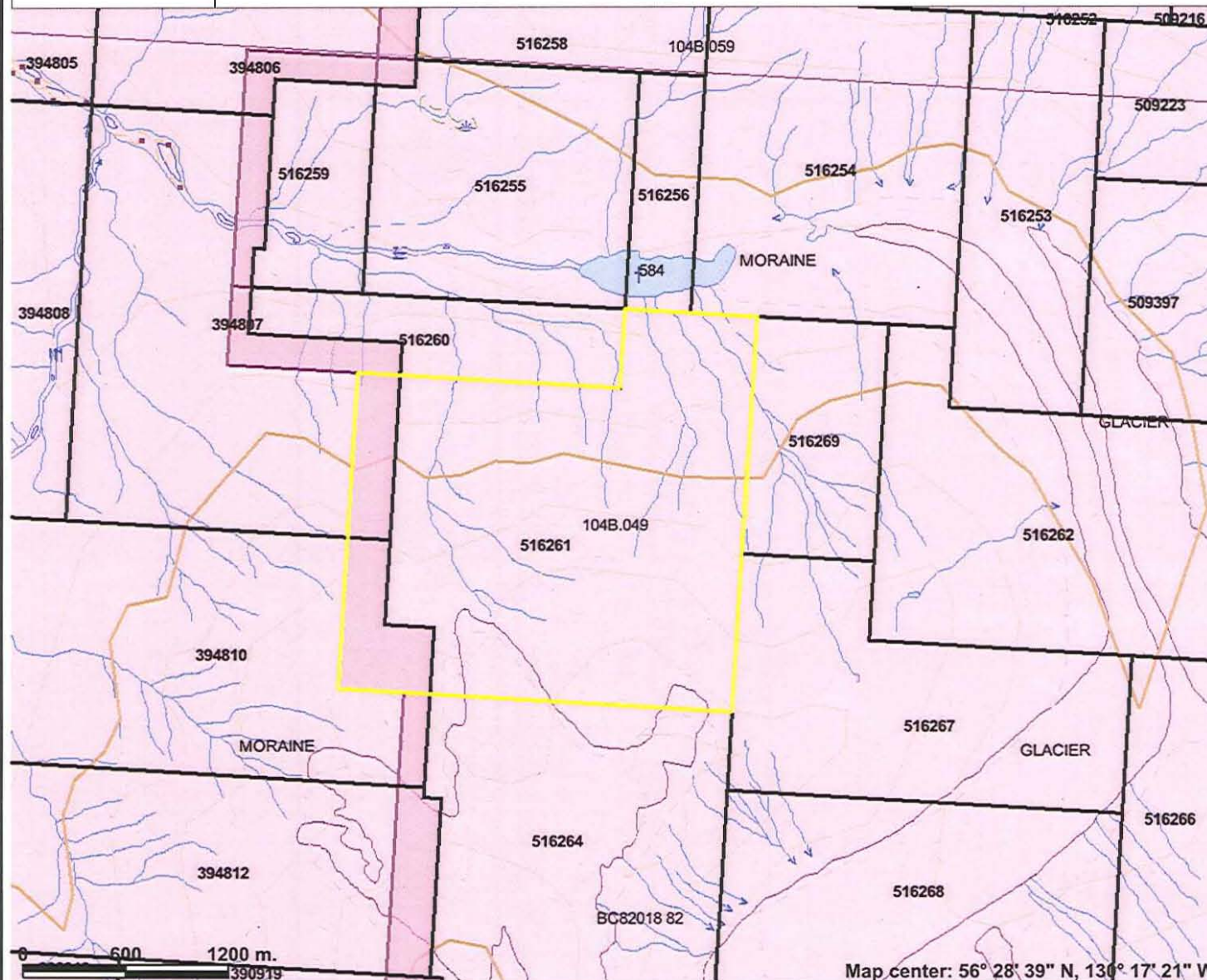
Figure 1. KSM Project Location, British Columbia





Mineral Titles  
OnlineBC

## KSM Fatality - MC 516261



### Legend

- ☐ Indian Reserves
- ☐ National Parks
- ☐ Conservancy Areas
- ☐ Parks
- ☐ Federal Transfer Lands
- ☐ Mineral Tenure (current)
- ☐ Mineral Claim
- ☐ Mineral Lease
- ☐ First Nations Treaty Related Lands
- ☐ First Nations Treaty Lands
- ☐ Survey Parcels
- ☐ BCGS Grid
- ☐ Contours (1:250K)
- ☒ Contour - Index
- ☒ Contour - Intermediate
- ☒ Area of Exclusion
- ☒ Area of Indefinite Contours
- ☒ Annotation (1:20K)
- ☒ Transportation - Points (TRIM)
- ☒ Helipad
- ☒ Transportation - Lines (TRIM)
- ☒ Airfield
- ☒ Airport
- ☒ Airstrip
- ☒ Airport Abandoned
- ☒ Ferry Route
- ☒ Road (Gravel Undivided) - 1 Lane
- ☒ Road (Gravel Undivided) - 2 Lanes
- ☒ Road (Gravel Undivided) - U/C - 1 Lane
- ☒ Road (Gravel Undivided) - U/C - 2 Lanes
- ☒ Road (Gravel Undivided) - Max Elevated



Scale: 1:35,424

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.



Contact Us ► Help ?  
Printer Version

## Mineral Titles Online Viewer

### Tenure Detail

Tenure Number ID **516261** [View Tenure](#)

Tenure Type Mineral (M)  
 Tenure Sub Type Claim (C)  
 Title Type Mineral Cell Title Submission (MCX)  
 Mining Division  
 Good To Date 2018/dec/20  
 Issue Date 2005/jul/07  
 Demised To  
 Termination Type  
 Termination Comments  
 Termination Date  
 Tag Number  
 Claim Name  
 Old Tenure Code  
 Area In Hectares 464.64

#### Map Numbers:

[104B](#)

#### Owners:

[145264](#) SEABRIDGE GOLD INC. 100.0%

Tenure Events:	Submitter	Event	Effective Date
<a href="#">145264</a>	SEABRIDGE GOLD INC.	CONV Claim Conversion( <a href="#">4039752</a> )	2005/JUL/07
<a href="#">119871</a>	NORANDA INC.	SOW Exploration and Development Work / Expiry Date Change( <a href="#">4046018</a> )	2005/AUG/22
<a href="#">145264</a>	SEABRIDGE GOLD INC.	SOW Exploration and Development Work / Expiry Date Change( <a href="#">4196924</a> )	2008/FEB/20
<a href="#">145264</a>	SEABRIDGE GOLD INC.	LAPP Lease Applic. ( <a href="#">4425548</a> )	2009/DEC/10
	MINERAL TITLE BRANCH	SURV Survey ( <a href="#">4560131</a> )	2010/MAR/23
<a href="#">145264</a>	SEABRIDGE GOLD INC.	ECUM Registration of Documents( <a href="#">5429262</a> )	2013/JAN/30

Click [here](#) to go back to the previous page  
 Click [here](#) to go back to the tenure search page.

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## ATTACHMENT B

Mine Manager's report of Accident

Topographical plan of site

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# MINE ACCIDENT OR DANGEROUS OCCURRENCE REPORT

Mineral Resources Division  
MINE HEALTH AND SAFETY BRANCH

**FOR MINE ACCIDENTS REQUIRING MEDICAL AID (1.7.4) ...** complete this form in its entirety for incidents relating to mine accidents. A separate form is required for each employee involved in an accident in which more than one person is injured. These forms should be submitted together.

**FOR DANGEROUS OCCURRENCES (1.7.3) ...** complete this form in its entirety for any dangerous occurrence which either resulted in an accident or was caused by an employee's actions. If the dangerous occurrence neither resulted in an accident nor was caused by an employee's actions, only those fields indicated with an asterisk (\*) need to be completed.

In the case where there is room for more than one response, supply at least one and list others in decreasing order of importance.

Refer to the Mine Accident Code Manual for coded fields.

## INCIDENT

- \* 1. Mine Number 0100108 Mine Name KSM MZ-1-571
- \* 2. Accident Number (mine no / year / sequential) 0100108 / 2012 / 1
- \* 3. Today's Date (year / month / day) 2012 / 11 / 21 4. SIC Code (standard industrial classification code) \_\_\_\_\_
- \* 5. Preliminary or Final Report (P/F) F
- \* 6. Accident Date (year / month / day) 2012 / 10 / 23 \* 7. Time of Accident (24 hour clock) 15 : 30
- \* 8. Was this a Dangerous Occurrence? (Y/N) Y \* 9. Was this a Geotechnical Incident? (Y/N) N
10. Was a Contractor Involved? (Y/N) Y 11. Company Name of Contractor Blue Bear Exploration Ltd. (\_\_\_\_)
- \* 12. Location of Incident KSM Project exploration site (Mineral Claim Tenure #516261 - Kerr 21) (\_\_\_\_)
- \* 13. What was the Cause of the Accident? Avalanche s22 (\_\_\_\_)
- \* 14. What Factors Contributed to the Accident? s22
- \* 15. What Preventative Action(s) were taken? s22

## INJURY

16. Status (select one) Fatality
17. Number of Days Lost \_\_\_\_\_ 18. Date of Status (year / month / day) \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
19. WCB Claim Number s22
20. Supervisor Number N/A 21. Employee Number N/A
22. Employee Name (surname, given name) Desmarais, Pat Lawrence
23. SIN Number (optional) \_\_\_\_\_ 24. Age s22 (years) \_\_\_\_\_ 25. Sex (M/F) M
26. Seniority N/A (years) \_\_\_\_\_ (months) \_\_\_\_\_ 27. Experience at Job s22 \_\_\_\_\_ (months) \_\_\_\_\_
28. Industry Experience s22 years \_\_\_\_\_ (months) \_\_\_\_\_
29. Occupatio s22 \_\_\_\_\_ (\_\_\_\_)
30. Department \_\_\_\_\_ s22
31. What training did the employee have in the task being performed at the time of the accident? s22
32. Most recent date of that training (year / month / day) s22
33. Did this employee regularly perform the work being done at the time of the accident? (Y/N) s22
34. What Task was the person performing at the time of the accident? (The task is the overall goal or objective of the work being performed. Tasks are generally assigned to the person involved, and last approximately 1 hour to 1 shift.) s22 (\_\_\_\_)
35. What Activities was the person performing at the time of the accident? (The activity is the behaviour being performed or attempted at the time of the accident. It is often a component action related to the accomplishment of the task; a very ending in ING. Enter a maximum of 2 activities). s22 (\_\_\_\_)

\_\_\_\_\_ ( )

\_\_\_\_\_ (1)

45. Part of Body

43. Number of shifts worked (since last rest interval) 22

If more than one person was injured, fill out the injury section of a separate form for each injured person and submit all forms together.

see following page

The Mine Accident or Dangerous Occurrence Report is to be used for reporting accidents or dangerous or unusual occurrences as specified in the *Mines Act*:

Section 1.71. Any accident causing loss of life or serious personal injury or dangerous occurrence.

Section 1.7.3. Any other unusual accident or unexpected event which had the potential to result in serious injury.

Section 1.7.4. Forward a report in a form prescribed by the Chief Inspector to the District Inspector on all accidents that caused injuries requiring medical aid, at the end of each month.

46. The two person survey crew contracted to survey drill hole locations was dropped off by helicopter within 50 meters of the location of drill hole K-12-20 at approximately 15:15. The drill site is located above the tree-line on a rocky and grass covered slope with variable snow depths of up to about 40 cm. The weather was clear and windy. No new snow had fallen in 5 days. The conditions at the site were similar to those at drill hole locations that had already been surveyed that day.

s.22, s.15

Mines Inspector Jill Pardoe was contacted by the approximately 15:40, as well as Seabridge management and alerted of the accident at approximately 15:40, as well as Seabridge management There were also a couple of calls to and from the RCMP detachment in Stewart at about this time and after the search was terminated.

s.22, s.15

s.22, s.15

The avalanche occurred almost one month before the beginning of what is usually considered avalanche season in the Project area. The standing instruction at the Project is to abandon a site if it is considered at all dangerous. In future, having a trained avalanche technician readily available at the Project to make an assessment when conditions are uncertain might be worthwhile. However, it is not clear if such a measure would have prevented this accident.

# SEABRIDGE GOLD

## Report Pursuant to Section 1.7.1 (1), HSR Code for Mines in B.C.

At approximately 3:30pm on October 23<sup>rd</sup>, a two-person contract crew undertaking surveying of drill hole collars on the KSM project of Seabridge Gold Inc. was caught in an avalanche while traversing a slope to a drill collar location.

Upon receiving the distress call by radio, Seabridge Gold immediately sent a crew by helicopter to the location and requested the assistance of a professional avalanche technician and rescue team based at the neighbouring Brucejack Project of Pretium Resources Inc., which is 6km east of the accident location.

The Sr. Inspector of Mines Permitting in Smithers (Jill Pardoe) and Corporal Brian Donaldson of the RCMP detachment in Stewart were advised of the situation by phone call during the rescue efforts. Doug Flynn, Senior Inspector of Mines, Health and Safety, and R. Scott Parker, Inspector of Mines, Health and Safety attended the site on October 24, 2012 and conducted interviews as part of their investigation.

Submitted October 26, 2012

Seabridge Gold Inc.

Page 31 redacted for the following reason:

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s.22

## ATTACHMENT C

RCMP Statement of

s.22, s.15

Toxicology Report – Provincial Toxicology Centre

-16-

Pages 33 through 43 redacted for the following reasons:

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s.22

s.22, s.15

## ATTACHMENT D

Avalanche Accident Report Prepared by Norman Winter

Statement of Response Events as prepared by Pretium Staff and Contractors

s.22, s.15

-17-

**Avalanche Accident Report**  
**Seabridge Gold Inc. – KSM Camp**  
**October 23, 2012**

**Report Date: October 26, 2012**

Report prepared at the request of:

**Douglas Flynn, PEng**

*Senior Inspector of Mines*  
*Ministry of Energy, Mines & Natural Gas*  
2<sup>nd</sup> Floor 3726 Alfred Avenue  
Bag 5000, Smithers, BC V0J 2N0  
ph: 250 847 7386  
email: Doug.Flynn@gov.bc.ca

Prepared by:

**Norman Winter**  
*Avalanche Risk Mitigation and Mountain Safety Division*  
*Soucie Construction Ltd.*  
Box 33, Stewart, BC V0T 1W0  
ph: 778 724 4186 ext 102  
email: soucie.av.tech@gmail.com

## Introduction

The following report summarizes the details and events around an avalanche fatality which occurred on October 23, 2012 at approximately 15:00 in the Coast Mountains of Northern BC.

## General Description

The accident occurred on the KSM property owned by Seabridge Gold Inc. The KSM camp (N 56°29.216' W 130°17.865') is located approximately 65 kilometres NNW of Stewart BC in the Sulphurets Creek drainage south of Sulphurets Lake in the Coast Mountains. The KSM Camp lies just to the west of Sulphurets Lake.

Exploration was under contract to survey drill holes mostly in the Treaty drainage with 2 to 3 holes above treeline in the Sulphurets drainage.

Brucejack Camp (N 56°27.938' W 130°11.168) is a neighboring mineral exploration property owned by Pretium Resources Inc. and lies 7 kilometres to the ESE of KSM Camp.

## Weather and Conditions

The last week of September brought a mix of rain and snow down to the 1300 metre elevation. The snow cover was approximately 10 to 15 cm. The following 9 days (beginning October) brought unseasonably warm and clear weather. The snows of September were melting somewhat with southerly aspects seeing the most melt. The following week brought cooler temperatures and a series of storms resulting in 70 to 90 cm of snowfall overlying ground or an isolated crust where the September snows remained, particularly at higher elevations in the alpine and on north aspects.

The storms eased off on October 18<sup>th</sup> and were followed by cold clear weather with strong winds as a result of the arctic out flow. Winds in the Brucejack Camp area were predominantly northerly and north easterly.

The snowpack had a high degree of spatial variation ranging from 0 cm to 100 cm in depth. The resulting conditions were a variety of cross loaded features and hard slabs overlying wet ground or a crust in very specific features. The cool temperatures caused the snow to facet either at the surface in deeper areas or throughout the snowpack in shallow areas leading to a destabilizing trend in isolated features.

Based on observations by avalanche technicians at the neighbouring Brucejack Camp on the evening of October 15, 2012 snowfall amounts had reached values that were enough to cover ground roughness and begin avalanching in specific features in the alpine elevations. The winter season arrived a month and half later compared to anecdotal accounts from workers from Brucejack Camp. Anecdotal accounts of snowfall amounts well above threshold values were for 2.5 metres at 1500 metres ASL on September 21, 2011. The winter season of 2012/2013 was late to start by

comparison. The public Avalanche Bulletin from the Canadian Avalanche Centre had not yet begun for the 2012/2013 season. There had been no avalanches observed in the last + 72 hours.

The area is characterized by high winds resulting in gross spatial variability in the snow cover. This can be seen in the attached photos of the avalanche sight.

Based on observations from a flight on October 18, 2012 there had been an avalanche cycle in the alpine in the region to the east of Brucejack Camp on the previous day or two on a variety of aspects.

The hazard rating as forecasted by avalanche technicians at Brucejack Camp for a wind exposed feature (Lakeshore Drive avalanche paths 1400 to 1700 metres ASL) in the alpine was moderate from October 17 – 19, 2012 and Low for Oct 20 – 23, 2012.

### **Training and Expertise**

There is no avalanche safety program in place at the KSM property.

s.22, s.15

s.22, s.15

### **Description of Events**

s.22, s.15

s.22, s.15

## Response Timeline

At 15:25 Brucejack Camp received a call from Granmac Services in Stewart requesting assistance as there was an avalanche at KSM camp with one person missing and no avalanche technicians or equipment on sight.

At 15:30 a rescue party from the Brucejack Project was en route to the accident site via a Lakelse Air helicopter which was on contract to Seabridge. The rescue party consisted of Steve Parsons, Norm Winter (both avalanche technicians from Brucejack Camp) Steve Parsons acted as Sight Coordinator.

s.22, s.15

s.22

s.22

## Avalanche Accident Site Details

**Weather:** Scattered clouds with nil precipitation and moderate winds from the north east and cold temps well below freezing.

**Size:** 2 (Defined as an event that can bury, injure or kill a person, typically 100 tons)

**Type:** Slab

**Width:** On the day of the event, the avalanche was noted to be 30 metres wide above the area which affected the workers. An investigative flight the next day showed additional thin slab activity

above and to the viewer's right. High winds had obscured the fracture line and the debris on the upper slopes of the avalanche path making it difficult to discern more qualitative information.

**Length:** 450 metres

**Thickness:** 0 to 30 cm with one small lens 2 metres wide of 30 cm to 100 cm deep

**Slab Thickness at Trigger Point:** 10 to 15 cm

**Bed Surface:** crust and facets

**Aspect:** North

**Start Zone Elevation:** 1370 metres ASL

s.22

**Start Zone Characteristics:** The start zone slope is inclined at approximately 30 degrees with a rocky ground cover exposed to winds. There was evidence of high winds with several wind loaded pockets and hard wind slabs. A small pile of debris had accumulated in the lower section of the start zone approximately 20 metres from the beginning of a gulley which ran down the mountain side. The debris pile in the start zone was 40 cm deep on average, 5 metres wide and 25 metres long.

**Track and Runout Characteristics:** Track is a gulley feature starting just below the start zone at an approximate elevation of 1270 metres. The track length is approximately 650 metres long and drops 400 metres in elevation. It is estimated that the average incline of the gulley is 30 degrees with areas as steep as 45 degrees.

s.22

s.22

## Summary

Factors that contributed to the October 23, 2012 avalanche accident at KSM Camp may include the unusually mild fall, a highly variable snowpack with an isolated and difficult to define weak layer as well as the nature of the terrain they were working in.

## Disclaimer

s.22

Norman Winter is a certified professional mountain guide (Association of Canadian Mountain Guides), a member of the International Federation of Mountain Guides Association (IFMGA), and a professional member of the Canadian Avalanche Association (CAA). He has been actively working in this capacity for 20+ years.

Pages 51 through 53 redacted for the following reasons:

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s.22

The following is a timeline of events recorded during the Pretium Resources – Brucejack Project response to the fatal avalanche that occurred near the Seabridge Gold's KSM Camp on October 23, 2012. Questions with regards to these notes should be directed to:

Kevin Torpy  
Director, Mine Engineering & Mine Manager on duty during the incident  
ktorpy@pretivm.com  
Office: (604) 566-8779  
1600 – 570 Granville St  
Vancouver, BC V6C 2W2

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**Time of Call:** October 23<sup>rd</sup>, 2012 3:25PM

**Coordinates of Incident (approx.):** LAT 56.4793° LONG 130.28221°

## TEAM

**Steve Parsons:** Site Commander

**Rescue Team:** Norm Winter, Steve Parsons (Site Commander),

S22

S22

S22 : Logistics & Communications Coordinator

**Kevin Torpy:** Incident Commander (Brucejack)

S22 : Record Keeper and Communications Coordination

**Rugged Edge** S22 : Stand-by aid in office

S22 : On Stand-by aid in kitchen/office

## Helicopters:

Seabridge helicopter pilot S22 on site of avalanche. Heli owned by Lakesle Helicopters.

VIH 205 Pilot, S22 on-site of Avalanche with Rescue Crew

VIH 407 pilot, S22 at BJ Camp on stand-by

500 Prism pilot S22 Informed

205 S22 on Stand-by at Tide

## Event Timeline

s.22

Pages 56 through 57 redacted for the following reasons:

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s.22

## ATTACHMENT E

Cross section of slope by Scott Parker

Photo 1 View of mountain side looking south

- “ 2 Close-up view of mountain side showing heli-pad
- “ 3 Estimated route of travel from east to west and back towards Heli-pad
- “ 4 Drill hole location as remembered by s.22, s.15
- “ 5 Avalanche “crown” and slabs of snow
- “ 6 Side of mountain showing full length of fall
- “ 7 View of Mountain Looking West – Photo taken by Jeff Kyba
- “ 8 Typical view of surveyor with Trimble GPS Unit

-18-

Pages 59 through 67 redacted for the following reasons:

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s.22

## ATTACHMENT F

### Emergency Response Plan for KSM Project

-19-

# **MINE EMERGENCY PLAN FOR SEABRIDGE GOLD**

## **KSM EXPLORATION PROJECT**

	page
<b>MEDICAL EMERGENCY .....</b>	<b>1</b>
<b>FIRE EMERGENCY .....</b>	<b>2</b>
<b>HYDROCARBON SPILL RESPONSE.....</b>	<b>3</b>
<b>WILDLIFE ENCOUNTERS .....</b>	<b>3</b>
<b>AVIATION EMERGENCY: OVERDUE AIRCRAFT.....</b>	<b>4</b>

### **MEDICAL EMERGENCY**



- **ADVISE PILOT AND LEVEL 3 FIRST AID ATTENDANT IMMEDIATELY**
- **STOP ALL NON-EMERGENCY RELATED RADIO TRANSMISSIONS**
- **LEVEL 3 FIRST AID ATTENDANT IS IN CHARGE AND WILL PROVIDE INSTRUCTIONS TO ANY PERSONNEL ON SITE**
- **FIELD WORKERS WILL SECURE AREA AND PROVIDE EMERGENCY FIRST AID UNTIL LEVEL 3 FIRST AID ATTENDANT ARRIVES**
- **ANY OTHER FIELD WORKERS WILL STOP WORK AND WAIT AT SUITABLE HELICOPTER LANDING SITE FOR INSTRUCTIONS**

## **FIRE EMERGENCY**

- **ASSESS IMMEDIATE DANGER (FUEL OR EXPLOSIVE SOURCES) AND TAKE APPROPRIATE ACTION**
- **YELL “FIRE, FIRE, FIRE!”, GET ASSISTANCE, DO NOT FIGHT FIRE ALONE**
- **CAMP MANAGER IS IN CHARGE AND WILL PROVIDE INSTRUCTIONS TO ANY PERSONNEL ON SITE**
- **TURN OFF FUEL SOURCES**
- **TURN OFF GENERATOR IF FIRE IS ELECTRICAL**
- **CONTROL FIRE WITH EXTINGUISHERS, FIREHOSE, ETC. IF NO IMMEDIATE DANGERS ARE APPARENT**
- **IF FIRE IS OUT OF CONTROL, EVACUATE TO SAFE AREA OPPOSITE OF WIND DIRECTION, NEAR WATER. BRING RADIOS, SATELLITE PHONE, FIRE FIGHTING TOOLS, CHAINSAW AND GAS.**
- **IN CASE OF FOREST FIRE, CONTACT BC FOREST HOT LINE: 1-800-663-5555**

## **HYDROCARBON SPILL RESPONSE**

- **ASSESS IMMEDIATE FIRE OR EXPLOSIVE HAZARDS AND TAKE APPROPRIATE ACTION**
- **IF SPILL IS DUE TO LEAK DETERMINE SOURCE AND SHUT OFF VALVES**
- **SMALL SPILLS (< 1 LITRE): MOP UP WITH ABSORBENT MATTING, SPRINKLE GATOR CLAY DRY POWDER, PLACE CONTAMINATED MATERIAL IN CONTAINER FOR DISPOSAL**
- **SPILLS OF 1 TO 100 LITRES: ADVISE CAMP MANAGER IMMEDIATELY AND GET ASSISTANCE. CONTAIN WITH DIGGING TOOLS AND ABSORBMENT MATTING, CREATE BERM TO STOP FLOW**
- **LARGE SPILLS (>100 LITRES): ADVISE CAMP MANAGER IMMEDIATELY AND GET ASSISTANCE. CONTAIN AS BEST AS CONDITIONS PERMIT.**
- **CAMP MANAGER WILL REPORT LARGE SPILLS TO BC ENVIRONMENTAL EMERGENCY HOT LINE: 1-800-663-3456**

## **WILDLIFE ENCOUNTERS**

- **IN CAMP:** ADVISE CAMP MANAGER IMMEDIATELY WHO WILL DETERMINE THE APPROPRIATE COURSE OF ACTION
- **IN THE FIELD:** IF AN ANIMAL ENCOUNTER IS DETERMINED TO BE POTENTIALLY DANGEROUS, IMMEDIATELY RADIO CAMP AND ADVISE DISPATCHER OF LOCATION AND SITUATION
- IF ANIMAL IS NOT INTIMIDATED BY YOUR PRESENCE, STAND UP AND SPEAK DIRECTLY TO ANIMAL IN CALM BUT ASSERTIVE MANNER. TURN RADIO UP AT FULL VOLUME AND HAVE DISPATCHER SPEAK AS THIS MAY DISTURB AND SCARE OFF THE ANIMAL
- IF ANIMAL CONTINUES TO APPROACH, AND IS AT SUFFICIENT DISTANCE (NOT LESS THAN 30 METERS), FIRE CRACKER FLARE TO SCARE OFF
- IF ANIMAL APPROACHES WITHIN 10 METERS, USE BEAR SPRAY AIMED AT FACE
- IF GRIZZLY BEAR ATTACK IS IMMINENT, TAKE CROUCHING POSITION FACING DOWN AND PROTECT HEAD AND NECK WITH BACKPACK, DO NOT MOVE UNTIL BEAR IS GONE
- IF BLACK BEAR ATTACK IS IMMINENT, DO NOT RUN, BUT YELL AGGRESSIVELY AND FIGHT OFF THE ANIMAL WITH WHATEVER ITEMS ARE AT HAND

## **AVIATION EMERGENCY: OVERDUE AIRCRAFT**

- **OVERDUE AIRCRAFT IS CLASSIFIED AS ONE HALF HOUR LATE OR 30 MINUTES AFTER ETA**
- **DISPATCHER WILL ADVISE PROJECT MANAGER OF OVERDUE AIRCRAFT AND PROVIDE AIRCRAFT REGISTRATION, PERSONS ON BOARD, ROUTING, LAST CONTACT TIME**
- **PROJECT MANAGER WILL ADVISE OTHER PILOTS ON PROJECT AND LAKELSE HELICOPTERS TERRACE BASE MANAGER OF SITUATION: 1-250-635-3245**
- **FOLLOW COURSE OF ACTION RECOMMENDED BY LAKELSE HELICOPTERS TERRACE BASE MANAGER**
- **IF LAKELSE BASE MANAGER NOT AVAILABLE, PROJECT MANAGER WILL CONTACT RESCUE CO-ORDINATION CENTER COMOX: 1-800-742-1313**

## ATTACHMENT G

Telephone record showing time of notification

Miscellaneous emails, notes and other information

-20-

**COPY**

☐ The Invoice amount is correct

☐ All calls relate to Government Business or

☐ Personal calls have/will be reimbursed to the Ministry in the amount of \$

Signature of Cellular Phone / Blackberry H:

**TELUS** ®/MD

**INDIVIDUAL DETAIL**

DOUG FLYNN

**Current Charges - Detail**

Contract Term : 8 yr expires Jul 29,2021

**Monthly Service Plans Nov 07 to Dec 06**

Service Plan Name	Total
LU Voice #1 Mobile	13.50
<b>Total</b>	<b>\$ 13.50</b>

**Additional Local Airtime**

\*Free Airtime Includes: bonus minutes, birthday calling, evenings & weekends, free incoming, \*611 and In Network Calling

Service	Total Airtime	*Free Airtime	Included Airtime	Chargeable Airtime	Total
Phone (minutes)	80:55	38:05	0:00	42:50	3.03
<b>Total</b>					<b>\$ 3.03</b>

**Long Distance Charges**

Service	Total LD Minutes	Free LD Minutes	Included LD Minutes	Chargeable LD Minutes	Total
Domestic Phone	59:12	0:00	0:00	59:12	4.17
<b>Total</b>					<b>\$ 4.17</b>

**Data and Other Services**

Service	Total Events	Event Type	Total
Data Usage - Mobile High Speed	0.005	MB	0.00
Data Usage	61.634	MB	0.00
<b>Total</b>			<b>\$ 0.00</b>

**Value Added Services**

Service	Total
Basic Voice Mail (Nov 07 to Dec 06)	Free
Can Asyst \$0 (Nov 07 to Dec 06)	Free
Cost Assure for PDA 30 (Nov 07 to Dec 06)	30.00
Detailed Billing (Nov 07 to Dec 06)	Free
Extended Unltd. Nights & Wknds (Nov 07 to Dec 06)	Free
Government Recovery Fee - Data (Nov 07 to Dec 06)	7.79
Government Recovery Fee- Voice (Nov 07 to Dec 06)	5.23
Mobile to Mobile (Nov 07 to Dec 06)	Free
<b>Total</b>	<b>\$ 43.02</b>

**Taxes**

Taxes	Total
HST - BC	7.64
<b>Total</b>	<b>\$ 7.64</b>

**Total Current Charges \$ 71.36**

**AIRTIME DETAIL**

Phone	Call Date Time Call Period	From	Number Called	To	Call Length mm:ss	Local Airtime Rate	Local Airtime Charges	LD Charges	Additional Call Charges	Total
	1 07 Oct 16:48	W	RICHMOND BC	SMITHERS BC	0:18	0.00	0.00	0.02	0.00	0.02
	2 07 Oct 16:48	W	RICHMOND BC	FRASERLAKE BC	0:57	0.00	0.00	0.07	0.00	0.07
	3 07 Oct 16:54	W	RICHMOND BC	FRASERLAKE BC	1:13	0.00	0.00	0.09	0.00	0.09
	4 07 Oct 18:21	W	RICHMOND BC	FRASERLAKE BC	0:28	0.00	0.00	0.03	0.00	0.03
	5 07 Oct 18:22	W	RICHMOND BC	SMITHERS BC	0:31	0.00	0.00	0.04	0.00	0.04
	6 10 Oct 10:12	D	SMITHERS BC	MSG RTRVL BC	1:51	0.07	0.13	0.00	0.00	0.13
	7 10 Oct 10:15	D	SMITHERS BC	VICTORIA BC	1:50	0.07	0.13	0.13	0.00	0.26
	8 10 Oct 10:53	D	NEW HAZELT BC	MSG RTRVL BC	1:13	0.07	0.09	0.00	0.00	0.09
	9 12 Oct 18:23	D	SMITHERS BC	SMITHERS BC	0:49	0.00	0.00	0.00	0.00	0.00
	10 13 Oct 09:12	W	SMITHERS BC	SMITHERS BC	0:45	0.00	0.00	0.00	0.00	0.00
	11 22 Oct 19:19	D	VANCOUVER BC	MSG RTRVL BC	1:16	0.00	0.00	0.00	0.00	0.00
	12 23 Oct 17:15	D	RICHMOND BC	SMITHERS BC	1:00	0.07	0.07	0.07	0.00	0.14
	13 23 Oct 17:16	D	RICHMOND BC	SMITHERS BC	4:59	0.07	0.35	0.35	0.00	0.70
	14 23 Oct 17:28	D	RICHMOND BC	MSG RTRVL BC	1:49	0.07	0.13	0.00	0.00	0.13
	15 23 Oct 17:32	D	RICHMOND BC	YELLOWKNIF NT	1:13	0.07	0.09	0.09	0.00	0.18
	16 23 Oct 17:35	D	INCOMING	RICHMOND BC	5:23	0.07	0.38	0.38	0.00	0.76

INDIVIDUAL DETAIL continued

DOUG FLYNN

Phone

Call Period: D-Daytime, E-Evening, W-Weekend

Call	Date	Time	Call Period	From	Number Called	To	Call Length mm:ss	Local Airtime Rate	Local Airtime Charges	LD Charges	Additional Call Charges	Total
17	23 Oct	17:46	D	RICHMOND BC		STEWART BC	1:15	0.07	0.09	0.09	0.00	0.18
18	23 Oct	17:47	D	RICHMOND BC		MSG RTRVL BC	0:03	0.00	0.00	0.00	0.00	0.00
19	23 Oct	17:49	D	INCOMING		RICHMOND BC	10:08	0.07	0.71	0.71	0.00	1.42
20	23 Oct	18:00	D	RICHMOND BC		VICTORIA BC	6:18	0.00	0.00	0.44	0.00	0.44
21	23 Oct	18:10	D	INCOMING		RICHMOND BC	13:05	0.00	0.00	0.92	0.00	0.92
22	23 Oct	18:24	D	RICHMOND BC		SMITHERS BC	7:34	0.00	0.00	0.53	0.00	0.53
23	23 Oct	18:31	D	RICHMOND BC		SMITHERS BC	2:02	0.00	0.00	0.14	0.00	0.14
24	29 Oct	08:47	D	SMITHERS BC	s.22	MSG RTRVL BC	7:33	0.07	0.53	0.00	0.00	0.53
25	29 Oct	17:01	D	INCOMING		SMITHERS BC	0:43	0.00	0.00	0.00	0.00	0.00
26	29 Oct	17:22	D	SMITHERS BC		MSG RTRVL BC	1:28	0.07	0.10	0.00	0.00	0.10
27	30 Oct	07:34	D	INCOMING		SMITHERS BC	0:08	0.00	0.00	0.00	0.00	0.00
28	30 Oct	07:35	D	SMITHERS BC		SMITHERS BC	1:50	0.00	0.00	0.00	0.00	0.00
29	30 Oct	15:31	D	INCOMING		DECKER LAK BC	0:58	0.07	0.07	0.07	0.00	0.14
30	30 Oct	17:01	D	BARRETT BC		SMITHERS BC	0:22	0.07	0.03	0.00	0.00	0.03
31	31 Oct	08:15	D	SMITHERS BC		MSG RTRVL BC	0:04	0.00	0.00	0.00	0.00	0.00
32	05 Nov	16:43	D	SMITHERS BC		MSG RTRVL BC	1:48	0.07	0.13	0.00	0.00	0.13
Total									\$ 3.03	\$ 4.17	\$ 0.00	\$ 7.20

PTLPD50A 00005 002544

COPY

TE

MINISTRY OF ENERGY MINES  
AND NATURAL GAS  
BILL DATE : 06-Nov-12  
PAGE 92 of 162

CLIENT N°  
BILL N° : 002639495118

S.17

## INDIVIDUAL DETAIL

continued

JILL PARDOE

Phone

Call Period: D-Daytime, E-Evening, W-Weekend

Call	Date	Time	Call	From	Number	To	Call	Local	Local	LD	Additional	Total
			Period		Called		Length	Airtime	Airtime	Charges	Call	
							mm:ss	Rate	Charges		Charges	
16	12 Oct	17:14	D	SMITHERS BC		SMITHERS BC	0:39	0.07	0.05	0.00	0.00	0.05
17	12 Oct	17:15	D	SMITHERS BC		SMITHERS BC	1:03	0.00	0.00	0.00	0.00	0.00
18	12 Oct	17:16	D	INCOMING		SMITHERS BC	3:29	0.00	0.00	0.00	0.00	0.00
19	12 Oct	17:20	D	SMITHERS BC		SMITHERS BC	0:39	0.00	0.00	0.00	0.00	0.00
20	12 Oct	17:21	D	INCOMING		SMITHERS BC	0:01	0.00	0.00	0.00	0.00	0.00
21	12 Oct	17:23	D	INCOMING		SMITHERS BC	15:04	0.00	0.00	0.00	0.00	0.00
22	13 Oct	09:21	W	SMITHERS BC		SMITHERS BC	1:00	0.00	0.00	0.00	0.00	0.00
23	13 Oct	09:22	W	SMITHERS BC		SMITHERS BC	1:11	0.00	0.00	0.00	0.00	0.00
24	13 Oct	14:07	W	SMITHERS BC		SMITHERS BC	1:00	0.00	0.00	0.00	0.00	0.00
25	13 Oct	14:11	W	SMITHERS BC		SMITHERS BC	0:48	0.00	0.00	0.00	0.00	0.00
26	13 Oct	15:35	W	INCOMING		SMITHERS BC	0:16	0.00	0.00	0.00	0.00	0.00
27	13 Oct	17:44	W	INCOMING		SMITHERS BC	1:11	0.00	0.00	0.00	0.00	0.00
28	14 Oct	13:05	W	INCOMING		SMITHERS BC	2:25	0.00	0.00	0.00	0.00	0.00
29	14 Oct	16:11	W	INCOMING		SMITHERS BC	0:29	0.00	0.00	0.00	0.00	0.00
30	15 Oct	09:29	D	INCOMING		SMITHERS BC	1:11	0.00	0.00	0.00	0.00	0.00
31	16 Oct	07:59	D	INCOMING		SMITHERS BC	0:17	0.00	0.00	0.00	0.00	0.00
32	18 Oct	14:10	D	INCOMING		SMITHERS BC	2:25	0.00	0.00	0.00	0.00	0.00
33	19 Oct	18:32	D	INCOMING		SMITHERS BC	1:51	0.00	0.00	0.00	0.00	0.00
34	20 Oct	14:36	W	INCOMING		SMITHERS BC	2:59	0.00	0.00	0.00	0.00	0.00
35	20 Oct	16:33	W	SMITHERS BC		SMITHERS BC	0:44	0.00	0.00	0.00	0.00	0.00
36	21 Oct	12:55	W	SMITHERS BC		SMITHERS BC	0:39	0.00	0.00	0.00	0.00	0.00
37	23 Oct	16:20	D	INCOMING		SMITHERS BC	2:27	0.07	0.17	0.00	0.00	0.17
38	23 Oct	17:17	D	INCOMING		SMITHERS BC	1:06	0.07	0.08	0.00	0.00	0.08
39	23 Oct	17:27	D	INCOMING		SMITHERS BC	2:14	0.07	0.16	0.00	0.00	0.16
40	24 Oct	12:15	D	SMITHERS BC		SMITHERS BC	1:08	0.07	0.08	0.00	0.00	0.08
41	26 Oct	19:02	D	INCOMING		SMITHERS BC	1:52	0.00	0.00	0.00	0.00	0.00
42	27 Oct	12:49	W	SMITHERS BC		MSG RTRVL BC	0:46	0.00	0.00	0.00	0.00	0.00
43	27 Oct	13:34	W	INCOMING		SMITHERS BC	2:32	0.00	0.00	0.00	0.00	0.00
44	28 Oct	06:08	W	SMITHERS BC		TOPLEY BC	0:36	0.00	0.00	0.04	0.00	0.04
45	28 Oct	08:21	W	FRANCOISE BC		PRINCE GEO BC	1:07	0.00	0.00	0.00	0.00	0.00
46	28 Oct	11:02	W	PRINCE GEO BC		PRINCE GEO BC	1:09	0.00	0.00	0.00	0.00	0.00
47	28 Oct	11:17	W	INCOMING		BEAVERLEY BC	0:25	0.00	0.00	0.03	0.00	0.03
48	28 Oct	11:51	W	INCOMING		PRINCE GEO BC	0:07	0.00	0.00	0.01	0.00	0.01
49	28 Oct	11:52	W	PRINCE GEO BC		TOPLEY BC	1:01	0.00	0.00	0.07	0.00	0.07
50	28 Oct	12:07	W	PRINCE GEO BC		SMITHERS BC	7:06	0.00	0.00	0.50	0.00	0.50
51	28 Oct	12:40	W	PRINCE GEO BC		HOUSTON BC	1:17	0.00	0.00	0.09	0.00	0.09
52	28 Oct	12:58	W	PRINCE GEO BC		HOUSTON BC	1:50	0.00	0.00	0.13	0.00	0.13
53	28 Oct	17:23	W	PRINCE GEO BC		MSG RTRVL BC	0:30	0.00	0.00	0.00	0.00	0.00
54	29 Oct	10:19	D	PRINCE GEO BC		SMITHERS BC	3:58	0.07	0.28	0.28	0.00	0.56
55	29 Oct	11:51	D	INCOMING		BEAVERLEY BC	8:18	0.07	0.58	0.58	0.00	1.16
56	29 Oct	16:20	D	BARRETT BC		SMITHERS BC	1:27	0.07	0.10	0.00	0.00	0.10
57	29 Oct	16:21	D	BARRETT BC		SMITHERS BC	0:21	0.07	0.02	0.00	0.00	0.02
58	30 Oct	07:34	D	SMITHERS BC		SMITHERS BC	0:26	0.00	0.00	0.00	0.00	0.00
59	30 Oct	07:34	D	SMITHERS BC		SMITHERS BC	0:41	0.00	0.00	0.00	0.00	0.00
60	30 Oct	07:35	D	INCOMING		SMITHERS BC	1:41	0.00	0.00	0.00	0.00	0.00
61	31 Oct	10:07	D	SMITHERS BC		800 CALL CL	0:42	0.07	0.05	0.00	0.00	0.05
62	31 Oct	10:08	D	SMITHERS BC		800 CALL CL	0:57	0.07	0.07	0.00	0.00	0.07
63	31 Oct	12:54	D	SMITHERS BC		VICTORIA BC	10:47	0.07	0.75	0.75	0.00	1.50
64	31 Oct	14:49	D	SMITHERS BC		VICTORIA BC	39:09	0.07	2.74	2.74	0.00	5.48
65	01 Nov	13:35	D	SMITHERS BC		800 CALL CL	31:11	0.07	2.18	0.00	0.00	2.18
66	01 Nov	15:30	D	SMITHERS BC		800 CALL CL	0:41	0.07	0.05	0.00	0.00	0.05
67	01 Nov	15:31	D	SMITHERS BC		800 CALL CL	52:43	0.07	3.69	0.00	0.00	3.69
68	02 Nov	08:49	D	SMITHERS BC		S KAMLOOPS BC	0:42	0.07	0.05	0.05	0.00	0.10
69	02 Nov	09:13	D	SMITHERS BC		S KAMLOOPS BC	29:04	0.07	2.03	2.03	0.00	4.06
Total									\$ 15.20	\$ 7.99	\$ 0.00	\$ 23.19

PTLPD50A 00005 002532

S.22

**From:** Pardoe, Jill A EMNG:EX  
**Sent:** Tuesday, October 23, 2012 4:28 PM  
**To:** Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX  
**Cc:** Wagar, Kathie L EMNG:EX; Hoffman, Al EMNG:EX  
**Subject:** Avalanche incident at KSM

**Importance:** High

I just received a call from <sup>S</sup><sub>S</sub> informing the Ministry that they are dealing with an avalanche accident in the Kerr deposit area.

Two surveyors were working in the area at the time, one has been rescued with no significant injuries. A search is ongoing for the second surveyor. The Pretivm avalanche team has been brought in to conduct the search and RCMP have been alerted. The avalanche occurred around 3:40 pm today.

<sup>S</sup><sub>S</sub> will follow up with additional information as the search progresses.

Jill Pardoe, P:Geo  
Senior Inspector of Mines - Permitting  
NW Region - Smithers  
ph: (250) 847-7768  
fax: (250) 847-7603

**Parker, Richard Scott EMNG:EX**

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**From:** Flynn, Doug EMNG:EX  
**Sent:** Tuesday, October 23, 2012 5:27 PM  
**To:** Parker, Richard Scott EMNG:EX  
**Cc:** Hoffman, Al EMNG:EX; Pardoe, Jill A EMNG:EX; Wagar, Kathie L EMNG:EX  
**Subject:** Re: Avalanche incident at KSM

Scott:

Not until we hear something more

Definitive on the condition of the victim. I'm in YVR right now and won't be back in Smithers until after 8 tonight. I'll call the Stewart RCMP to see if they know anything yet.  
I would say that it doesn't look too good at this point.

DWF

Sent from my iPhone

On 2012-10-23, at 5:14 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

Doug do we need to proceed to site

Sent from my iPhone

On 2012-10-23, at 5:01 PM, "Hoffman, Al EMNG:EX" <[Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)> wrote:

Please give me a call on my cell <sup>s17</sup> when you know more.

Al Hoffman, P.Eng.  
Chief Inspector of Mines  
Executive Director, Health, Safety and Permitting  
Ministry of Energy, Mines and Natural Gas  
Mines and Mineral Resources Division  
PO Box 9320 Stn Prov Gov't  
Victoria, BC V8W 9N3  
*tel (250) 952-0494*  
*fax (250) 952-0491*  
*Email: [Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)*

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**From:** Pardoe, Jill A EMNG:EX  
**Sent:** Tuesday, October 23, 2012 4:28 PM  
**To:** Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX  
**Cc:** Wagar, Kathie L EMNG:EX; Hoffman, Al EMNG:EX  
**Subject:** Avalanche incident at KSM  
**Importance:** High

I just received a call from <sup>s2</sup> informing the Ministry that they are dealing with an avalanche accident in the Kerr deposit area.

Two surveyors were working in the area at the time, one has been rescued with no significant injuries. A search is ongoing for the second surveyor. The Pretivm avalanche team has been brought in to conduct the search and RCMP have been alerted. The avalanche occurred around 3:40 pm today.

SS will follow up with additional information as the search progresses.

Jill Pardoe, P.Geo  
Senior Inspector of Mines - Permitting  
NW Region - Smithers  
ph: (250) 847-7768  
fax: (250) 847-7603

## **Parker, Richard Scott EMNG:EX**

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**From:** Flynn, Doug EMNG:EX  
**Sent:** Tuesday, October 23, 2012 5:45 PM  
**To:** Hoffman, Al EMNG:EX  
**Cc:** Pardoe, Jill A EMNG:EX; Parker, Richard Scott EMNG:EX; Wagar, Kathie L EMNG:EX; Hynes, Michelle GCPE:EX; Morel, David P EMNG:EX; Thorpe, Rolly EMNG:EX  
**Subject:** Re: Avalanche incident at KSM

Just confirmed to me that we have a fatality at or near KSM exploration camp. I will be heading to Stewart first thing tomorrow morning with Scott. I have to call RCMP to coordinate investigation.

DWF

Sent from my iPhone

On 2012-10-23, at 5:33 PM, "Hoffman, Al EMNG:EX" <[Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)> wrote:

David and Michelle

Unfortunately, this looks like a mine fatality if the other surveyor is not found.

Not for release until we can confirm the fatality and location.

Doug

Please call me when you know something more

Cell 517

Al Hoffman, P.Eng.  
Chief Inspector of Mines  
Executive Director, Health, Safety and Permitting  
Ministry of Energy, Mines and Natural Gas  
Mines and Mineral Resources Division  
PO Box 9320 Stn Prov Gov't  
Victoria, BC V8W 9N3  
tel (250) 952-0494  
fax (250) 952-0491  
Email: [Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)

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**From:** Pardoe, Jill A EMNG:EX  
**Sent:** Tuesday, October 23, 2012 5:28 PM  
**To:** Hoffman, Al EMNG:EX; Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX  
**Cc:** Wagar, Kathie L EMNG:EX; Hynes, Michelle GCPE:EX; Morel, David P EMNG:EX  
**Subject:** RE: Avalanche incident at KSM

Quite certain that it is within the mine permit area. I've spoken directly to both Scott + Doug about next actions.

Jill Pardoe, P.Geo  
Senior Inspector of Mines - Permitting  
ph: (250) 847-7768

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**From:** Hoffman, Al EMNG:EX

**Sent:** Tuesday, October 23, 2012 4:55 PM

**To:** Pardoe, Jill A EMNG:EX; Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX

**Cc:** Wagar, Kathie L EMNG:EX; Hynes, Michelle GCPE:EX; Morel, David P EMNG:EX

**Subject:** RE: Avalanche incident at KSM

Thank you Jill

We all hope that the surveyor will be found safe. Do you know if the surveyors were working in a permitted area ie is the accident our responsibility? Was it on a drill site?

Thanks,

Al Hoffman, P.Eng.

Chief Inspector of Mines

Executive Director, Health, Safety and Permitting

Ministry of Energy, Mines and Natural Gas

Mines and Mineral Resources Division

PO Box 9320 Stn Prov Gov't

Victoria, BC V8W 9N3

*tel (250) 952-0494*

*fax (250) 952-0491*

*Email: [Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)*

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**Sent:** Tuesday, October 23, 2012 4:28 PM

**To:** Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX

**Cc:** Wagar, Kathie L EMNG:EX; Hoffman, Al EMNG:EX

**Subject:** Avalanche incident at KSM

**Importance:** High

I just received a call from <sup>9</sup>/<sub>N</sub> informing the Ministry that they are dealing with an avalanche accident in the Kerr deposit area.

Two surveyors were working in the area at the time, one has been rescued with no significant injuries. A search is ongoing for the second surveyor. The Pretivm avalanche team has been brought in to conduct the search and RCMP have been alerted. The avalanche occurred around 3:40 pm today.

<sup>9</sup>/<sub>N</sub> will follow up with additional information as the search progresses.

Jill Pardoe, P.Geo

Senior Inspector of Mines - Permitting

NW Region - Smithers

ph: (250) 847-7768

fax: (250) 847-7603

**Parker, Richard Scott EMNG:EX**

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**From:** Flynn, Doug EMNG:EX  
**Sent:** Tuesday, October 23, 2012 6:09 PM  
**To:** Parker, Richard Scott EMNG:EX  
**Subject:** Re: Avalanche incident at KSM

Scott:

I'll meet you at the office at 6 am. We will fly to site with RCMP.

DWF

Sent from my iPhone

On 2012-10-23, at 5:33 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

s22

Will standby till I hear from you will collect my gear together for mobilization as required

Sent from my iPhone

On 2012-10-23, at 5:27 PM, "Flynn, Doug EMNG:EX" <[Doug.Flynn@gov.bc.ca](mailto:Doug.Flynn@gov.bc.ca)> wrote:

Scott:

Not until we hear something more

Definitive on the condition of the victim. I'm in YVR right now and won't be back in Smithers until after 8 tonight. I'll call the Stewart RCMP to see if they know anything yet.

I would say that it doesn't look too good at this point.

DWF

Sent from my iPhone

On 2012-10-23, at 5:14 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

Doug do we need to proceed to site

Sent from my iPhone

On 2012-10-23, at 5:01 PM, "Hoffman, Al EMNG:EX" <[Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)> wrote:

Please give me a call on my cell when you know more.

s17

Al Hoffman, P.Eng.  
Chief Inspector of Mines  
Executive Director, Health, Safety and Permitting  
Ministry of Energy, Mines and Natural Gas

Mines and Mineral Resources Division  
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Victoria, BC V8W 9N3  
*tel (250) 952-0494*  
*fax (250) 952-0491*  
*Email: [Al.Hoffman@gov.bc.ca](mailto:Al.Hoffman@gov.bc.ca)*

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**From:** Pardoe, Jill A EMNG:EX  
**Sent:** Tuesday, October 23, 2012 4:28 PM  
**To:** Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX  
**Cc:** Wagar, Kathie L EMNG:EX; Hoffman, Al EMNG:EX  
**Subject:** Avalanche incident at KSM  
**Importance:** High

I just received a call from <sup>SS</sup> <sub>SS</sub> informing the Ministry that they are dealing with an avalanche accident in the Kerr deposit area.

Two surveyors were working in the area at the time, one has been rescued with no significant injuries. A search is ongoing for the second surveyor. The Pretivm avalanche team has been brought in to conduct the search and RCMP have been alerted. The avalanche occurred around 3:40 pm today.

<sup>SS</sup> <sub>SS</sub> will follow up with additional information as the search progresses.

Jill Pardoe, P.Geo  
Senior Inspector of Mines - Permitting  
NW Region - Smithers  
ph: (250) 847-7768  
fax: (250) 847-7603

**From:** Flynn, Doug EMNG:EX  
**Sent:** Tuesday, October 23, 2012 8:45 PM  
**To:** Parker, Richard Scott EMNG:EX  
**Subject:** Re: Avalanche incident at KSM

Driving

DWF

Sent from my iPhone

On 2012-10-23, at 8:35 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

Are we driving to Stewart or flying out of Smithers

Sent from my iPhone

On 2012-10-23, at 6:43 PM, "Flynn, Doug EMNG:EX" <[Doug.Flynn@gov.bc.ca](mailto:Doug.Flynn@gov.bc.ca)> wrote:

Ok

I just got on the plane to Smithers.

DWF

Sent from my iPhone

On 2012-10-23, at 6:31 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

Will be at office prior to. 6 am

Sent from my iPhone

On 2012-10-23, at 6:09 PM, "Flynn, Doug EMNG:EX" <[Doug.Flynn@gov.bc.ca](mailto:Doug.Flynn@gov.bc.ca)> wrote:

Scott:

I'll meet you at the office at 6 am. We will fly to site with RCMP.

DWF

Sent from my iPhone

On 2012-10-23, at 5:33 PM, "Parker, Richard Scott EMNG:EX" <[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

Will standby till I hear from you  
will collect my gear together for  
mobilization as required

Sent from my iPhone

On 2012-10-23, at 5:27 PM,  
"Flynn, Doug EMNG:EX"  
<[Doug.Flynn@gov.bc.ca](mailto:Doug.Flynn@gov.bc.ca)>  
wrote:

Scott:

Not until we hear  
something more  
Definitive on the  
condition of the  
victim. I'm in  
YVR right now  
and won't be back  
in Smithers until  
after 8 tonight.  
I'll call the  
Stewart RCMP to  
see if they know  
anything yet.  
I would say that it  
doesn't look too  
good at this point.

DWF

Sent from my  
iPhone

On 2012-10-23, at  
5:14 PM, "Parker,  
Richard Scott  
EMNG:EX"  
<[Scott.R.Parker@gov.bc.ca](mailto:Scott.R.Parker@gov.bc.ca)> wrote:

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**From:** Flynn, Doug EMNG:EX  
**Sent:** Friday, October 26, 2012 1:28 PM  
**To:** 'Kevin Torpy'; Parker, Richard Scott EMNG:EX; 'Christopher Stewart (christopher.foster@rcmp-grc.ca)'  
**Subject:** RE: Pretium Resources Avamlanche Response Notes

Thanks Kevin;

This helps a lot with the time lines around the incident. If any questions I will call. I asked the helicopter pilot to make sure he issued a charter ticket for the flight in the Ministry's name. The cost needs to be paid by us.

S22

Regards;

DWF

Senior Inspector of Mines  
Smithers  
tel: 250-847-7386  
cell: s17

---

**From:** Kevin Torpy [<mailto:KTorpy@pretivm.com>]  
**Sent:** Friday, October 26, 2012 12:21 PM  
**To:** Flynn, Doug EMNG:EX; Parker, Richard Scott EMNG:EX; Christopher Stewart ([christopher.foster@rcmp-grc.ca](mailto:christopher.foster@rcmp-grc.ca))  
**Subject:** Pretium Resources Avamlanche Response Notes

Gentlemen,

Norm Winters told me that you wanted the attached copy of our notes on the response to the Seabridge avalanche earlier this week.

The notes were transcribed from quickly written minutes during the incident, so if something isn't clear in the attached, please let me know and I will clarify.

Thanks,

Kevin Torpy  
Director, Mine Engineering  
Pretium Resources Inc. | *Pretium Value Through Gold*  
Direct Tel: 604 566-8779 | Mobile: s22  
#1600 - 570 Granville Street | Vancouver BC Canada | V6C 3P1  
Tel: 604-558-1784 | Toll Free: 1877-558-1784 | Fax: 604-558-4784  
[ktorpy@pretivm.com](mailto:ktorpy@pretivm.com) | [www.pretivm.com](http://www.pretivm.com) | TSX : PVG

**From:** Flynn, Doug EMNG:EX  
**Sent:** Friday, October 26, 2012 8:36 AM  
**To:** msavell@seabridgegold.net  
**Cc:** Parker, Richard Scott EMNG:EX  
**Subject:** Re: KSM Project incident interview clarification

Thanks Mike:

Corrections noted.

Regards;

DWF

Sent from my iPhone

On 2012-10-26, at 7:50 AM, "Mike Savell" <[msavell@cogeco.ca](mailto:msavell@cogeco.ca)> wrote:

I was incorrect regarding the Bluebear Exploration website. What I thought was a website address in the email message is a yahoo.com email address ([bluebearexploration@yahoo.com](mailto:bluebearexploration@yahoo.com)). Sorry for any confusion this may have caused.

Also, the correct spelling for  
you don't have it already.

s22

if

Sincerely,

Mike Savell  
Project Manager  
Seabridge Gold  
KSM Project

s22

## Flynn, Doug EMNG:EX

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**From:** Flynn, Doug EMNG:EX  
**Sent:** Saturday, October 27, 2012 10:10 AM  
**To:** S22  
**Subject:** RE: Photo's October 23 2012

Good morning S22

Got the photos. Thanks for forwarding them. I trust your return to Smithers went well as can be expected. Thank you for your assistance while we were on site.

Regards;

DWF

Senior Inspector of Mines  
Smithers  
tel: 250-847-7386  
cell: S17

---

**From:** S22  
**Sent:** Wednesday, October 24, 2012 3:02 PM  
**To:** Flynn, Doug EMNG:EX  
**Subject:** Photo's October 23 2012

FYI

From S22

## Flynn, Doug EMNG:EX

---

**From:** Flynn, Doug EMNG:EX  
**Sent:** Friday, November 2, 2012 10:35 AM  
**To:** s22  
**Subject:** RE: KSM camp

Thanks s22

Call or drop in anytime.

DWF

Senior Inspector of Mines  
Smithers  
tel: 250-847-7386  
cell: s.17

---

**From:** s22  
**Sent:** Friday, November 2, 2012 6:43 AM  
**To:** Flynn, Doug EMNG:EX  
**Subject:** Re: KSM camp

Good Morning Doug,

May I try to answer the question posted below,

I had not observed any avalanche conditions prior to this incident,( This fall )

s22

I will call during the day

Cheers s22

On Thu, Nov 1, 2012 at 2:18 PM, Flynn, Doug EMNG:EX <[Doug.Flynn@gov.bc.ca](mailto:Doug.Flynn@gov.bc.ca)> wrote:  
Hello s22

Just starting to tie up some loose ends with the investigation into the recent accident. Are you aware of any recent avalanche activity in the camp area since the snow hit the ground 8-10 days earlier?

Also did you have any sort of Avalanche training course[s] for the crews since last spring?

If you like you can give me a call.

Regards;

DWF

Senior Inspector of Mines

Smithers

tel: 250-847-7386

cell: <sup>s</sup>17

## Flynn, Doug EMNG:EX

---

**From:** Mike Savell [msavell@cogeco.ca]  
**Sent:** Friday, November 30, 2012 5:58 PM  
**To:** Flynn, Doug EMNG:EX  
**Subject:** RE: KSM Drill site

The hole was started on August 29<sup>th</sup> and finished on September 11<sup>th</sup>. The rig was not moved to the next site until September 13<sup>th</sup> due to bad weather.

Mike Savell

---

**From:** Flynn, Doug EMNG:EX [<mailto:Doug.Flynn@gov.bc.ca>]  
**Sent:** Friday, November 30, 2012 6:01 PM  
**To:** 'Mike Savell'  
**Cc:** <sup>s2</sup> elizabeth@seabridgegold.net'; Parker, Richard Scott EMNG:EX  
**Subject:** KSM Drill site

After our conversation in Seabridge's office I approached Hy-Tech Drilling to see if they had any photos of the site. Craig Scott is going to speak to the drill foremen and see what they can come up with. I would still like to have the time frame when the hole was drilled.

Regards;

DWF

Senior Inspector of Mines  
Smithers  
tel: 250-847-7386  
cell: <sup>s.17</sup>

## Flynn, Doug EMNG:EX

---

**From:** Craig Scott [cscott@hy-techdrilling.com]  
**Sent:** Friday, November 30, 2012 2:28 PM  
**To:** Flynn, Doug EMNG:EX  
**Subject:** Visit

Hi Doug

Just to let you know I have identified the crew and sent out a message to all for a search for pictures .Thought you would like to know that hole was drilled from Aug 29th to Sept 11

--Regards

Craig Scott

V.P Operations

Hy-Tech Drilling Ltd

250 847 9301 ext 2029

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cell

## Corporate Information

Seabridge Gold Inc. (the “**Issuer**” or “**Seabridge**”) was incorporated under the *Company Act* (British Columbia) on September 14, 1979 under the name of Chopper Mines Ltd., which was subsequently changed to Dragoon Resources Ltd. on November 9, 1984, and then subsequently changed once more to Seabridge Resources Inc. on May 20, 1998. On June 20, 2002 the Issuer changed its name to “Seabridge Gold Inc.” and on October 31, 2002 the Issuer was continued under the Canada Business Corporations Act.

The Issuer’s corporate offices are located at 106 Front Street East, 4th Floor, Toronto, Ontario, Canada M5A 1E1. The Issuer’s telephone number is (416) 367-9292.

Seabridge is a gold resource company whose principal properties are the KSM project (for Kerr-Sulphurets-Mitchell) located in Northern British Columbia, Canada (the “**KSM Project**”) and the Courageous Lake project located in the Northwest Territories, Canada (the “**Courageous Lake Project**”). The Company exists under the Canada Business Corporations Act.

## KSM Project

### Overview

The property is in the Iskut-Stikine region of British Columbia, approximately 21 kilometers south-southeast of the former Eskay Creek Mine and approximately 68 kilometers northwest of Stewart, British Columbia. The KSM property falls within the Cassiar-Iskut-Stikine Land and Resource Management Plan. There are no Protected or Special Management Areas overlapping the KSM property. A Conservation-oriented Protection Area and large River Corridor Special Management Area are currently being considered along the lower two-thirds of the Unuk River, which may impact the approval process of potential development plans and valley access to the project. The provincial government has recognized the significance of historical mining activity in this area, which includes the past producing Eskay Creek, Snip, Granduc, and Premier mines. Based on various anecdotal reports, the Company believes the current provincial government is supportive of future mining development in the region.

The KSM Project site is located on Crown land in an area historically used by several aboriginal groups. Part of the Project, excluding the mineral deposits and their immediately-related infrastructure, lies within the boundaries of the Nass Area, as defined in the Nisga’a Final Agreement, where consultation is required with the Nisga’a Lisims Government under the terms of the Final Agreement. The Tahltan First Nation has an asserted claim over part or all of the area underlying the Project footprint. Additionally, the Gitanyow and Gitksan Hereditary Chiefs, including Wilp Skii Km Lax Ha, may have some interests within the broader region, particularly downstream of the plant site and tailing management facility, potentially affected by the Project.

Access to the property is by helicopter from Stewart, British Columbia. Mobilization of equipment and personnel can be staged quite effectively from the Bob Quinn airstrip and from Bell II Crossing on the Stewart Cassiar Highway.

### Location

The property lies in the rugged Coastal Mountains of northwest British Columbia, with elevations ranging from 520 meters in Sulphurets Creek valley to over 2,300 meters at the highest peaks. The property is centered at latitude 56°52' North and longitude 130.25° West

The proposed pit areas lie within the headwaters of Sulphurets Creek, which is a tributary of the Unuk River. The proposed Tailing Management Facility (TMF) will be located within the tributaries of Teigen and Treaty creeks. Teigen and Treaty creeks are tributaries of the Bell-Irving River, which is itself a major tributary of the Nass River. Both the Nass and Unuk rivers flow to the Pacific Ocean.

### ***Land Status***

The KSM property is comprised of three discontinuous claim blocks. These claim blocks are referred to as:

1. the KSM claim group;
2. the Seabee/Tina claims; and
3. the KSM placer claim block.

The first two claim blocks (KSM and Seabee/Tina) contain 117 mineral claims, consisting of both cell and legacy claims. The total area of the first two claim blocks is 52,133.26 ha. The Seabee/Tina claim block is about 19 km northeast of the KSM claim group. The KSM claim group includes:

- (a) 30 contiguous mineral cell claims covering an area of 6,726.42 hectares within which the mineral deposits lie;
- (b) 16 mineral legacy "BJ" claims covering approximately 6,225 hectares within which certain infrastructure for the proposed mining operation would lie;
- (c) 18 mineral legacy "New BJ" claims covering approximately 6,026.2 hectares that are adjacent to the "BJ" claims described in paragraph (a).

The Seabee/Tina claims include 47 mineral cell claims (Seabee Property) and six mineral legacy claims (Tina Property), covering approximately 21,478 hectares, that are located about 19 kilometers northeast of the KSM property where certain of the KSM Project's proposed processing plants and tailings storage would be located.

The KSM placer claims include 21 placer cell claims covering an area of 5,749.2 hectares which are coincident in land area with most of the mineral cell claims within the KSM claim group.

### ***Exploration History***

There is evidence that prospectors were active in the area prior to 1935. The modern exploration history of the area began in the 1960's, with brief programs conducted by Newmont Mining Corp., Granduc Mines Ltd., Phelps Dodge Corp., and the Meridian Syndicate. All of these programs were focused towards gold exploration. The Sulphurets Zone was first drilled by Esso Minerals in 1969; Kerr was first drilled by Brinco in 1985 and Mitchell Creek by Newhawk Gold in 1991.

There is no recorded mineral production, nor evidence of it, from the property. Immediately west of the property, small-scale placer gold mining has occurred in Sulphurets and Mitchell Creeks. On the Bruce side property immediately to the east and currently owned by Pretium Resources Inc., limited underground development and test mining was undertaken in the 1990's on narrow, gold-silver bearing quartz veins at the West Zone.

At the time the Company acquired the KSM Project in 2001, the project consisted of two distinct zones (Kerr and Sulphurets) which had been modeled separately by Placer Dome (CLA) Limited. Subsequent drilling by the Company has defined a very large new zone, the Mitchell zone, and the Iron Cap zone.

During 2003-2005, under its option to earn up to a 65% interest in the project from the Seabridge, Falconbridge conducted geophysics, surface mapping, surface sampling and completed approximately 4,100 m of drilling at the project.

Since 2006, Seabridge has been conducting exploration and development activities at the project.

From 2008 to 2011 Seabridge focused on further exploration and development of the four deposits at the KSM Project and generated successive resource estimates and three preliminary feasibility studies, the most recent preliminary feasibility study being the 2012 KSM PFS Report (as defined herein) dated June 22, 2012. In 2012 Seabridge continued development efforts, including the work required for the submission of its Environmental Impact Statement/Environmental Assessment Application, but has changed its exploration focus at KSM to a search for higher temperature core zones that typically concentrate high-grade metals within very large porphyry systems such as KSM. Exploration in 2012 has resulted in the discovery of two or three zones that show potential to be such a core, the most promising being the Deep Kerr zone. In the course of this work in 2012 the Company also discovered an epithermal deposit named the Camp zone.

### ***Proposed Mining Operation***

The 2012 KSM PFS Report envisages a combined open-pit/underground block caving mining operation that is scheduled to operate for 55 years. During the initial 25 years of mine life, all ore will be mined by open pit methods with the mill scheduled to operate at an average of 130,000 metric tonnes per day ("tpd"). As mining at the Mitchell deposit switches to block caving in year 26, daily production will decline to an average of approximately 90,000 tpd over the remaining 30 years of mine life. Over the entire 55 year mine life, ore will be fed to a flotation mill which would produce a combined gold/copper/silver concentrate for transport by truck to the nearby deep-water sea port at Stewart, B.C. for shipment to a Pacific Rim smelter. Extensive metallurgical testing confirms that KSM can produce a clean concentrate with an average copper grade of 25%, making it readily saleable. A separate molybdenum concentrate and gold-silver dore would be produced at the KSM processing facility.

## ATTACHMENT H

Previous Inspections of KSM Project for 2010, 2011 & 2012

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Ministry of  
Energy and Mines

Province of British Columbia  
**MINISTRY OF ENERGY AND MINES**  
**Report of Inspector of Mines**  
(Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 23856.  
File: 18050-02-09  
Mine No.: 0100108  
Permit No.: MX-1-571  
Emp/Cont: 37. / 00  
Orders H&S: 2. RECL: 1.  
Stop Work: 00

**Inspection Report**

NAME OF MINE	Kerr-Sulphurets	LOCALITY	129° 58' 24.4" West, 56° 39' 13.4" North
OWNER/OPERATOR	Seabridge Gold Inc.	ADDRESS	1235 Main St., PO Box 2536, Smithers BC V0J 2N0
MANAGER	Michael Savell	AREAS INSPECTED	Camp (FA tent, fuel storage, core splitting, office, rec tent)

Persons Contacted: Mike Savell

MANAGEMENT Mike Savell

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

**INSPECTION ORDERS**

An Inspection was carried out on August 17<sup>th</sup>, 2012 by Jill Pardoe, Senior Inspector of Mines and Savanna Levenson, Inspector of Mines.

Issue: The office did not have a copy of the updated permit available and printed.

**Order No. 1**

**The Manager must have a visible and updated copy of the current permit available in the office. (Section 9.2.1 of the Code - A copy of all permits and authorizations issued with the respect of the exploration activities shall be maintained at the exploration site while exploration activities are taking place.)**

Issue: Two different Spill Plans were developed within the Mine Emergency Response Plan which can cause confusion and unclear protocols resulting in damage to the environment or compromise the safety of workers resulting in injury or fatalities.

**MANAGERS RESPONSE OF ACTION TAKEN**

**DO NOT MODIFY THIS TEXT**

An updated copy of the current permit has been posted in the camp office and kitchen.

The Mine Emergency Response Plan has been simplified and a single Spill Plan is in effect.

Savanna Levenson


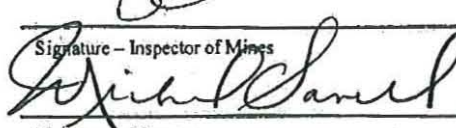
Inspector of Mines, Permitting

3726 Alfred Avenue Smithers BC V0J 2N0

Address

Date of Inspection: 2012-08-17

Copies To

  
Signature - Inspector of Mines  
  
Signature - Manager

Dated:

07 Sept

2012



Ministry of  
Energy and Mines

Province of British Columbia  
**MINISTRY OF ENERGY AND MINES**  
Report of Inspector of Mines  
(Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 23856.  
File: 18050-02-09  
Mine No.: 0100108  
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NAME OF MINE	Kerr-Sulphurets	LOCALITY	129' 58' 24.4" West, 56' 39' 13.4" North
OWNER/OPERATOR	Seabridge Gold Inc.	ADDRESS	1235 Main St., PO Box 2536, Smithers BC V0J 2N0
MANAGER	Michael Savell	AREAS INSPECTED	Camp (FA tent, feul storage, core splitting, office, rec tent )

Persons Contacted: Mike Savell

MANAGEMENT Mike Savell

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

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MANAGERS RESPONSE OF ACTION TAKEN

**DO NOT MODIFY THIS TEXT**

Savanna Levenson

Inspector of Mines, Permitting

3726 Alfred Avenue Smithers BC V0J 2N0

Address

Date of Inspection: 2012-08-17

Copies To

Signature – Inspector of Mines

Signature – Manager

Dated: \_\_\_\_\_, 20\_\_\_\_

INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
<p><b>Order No. 2</b></p> <p><b>The Manager is to create one Mine Emergency Response Plan with one Spill Response Plan made available to all workers on site. Pertinent and updated information must be included such as who to contact in case of emergencies.</b></p> <p><i>(Section 3.7.1 – The manager shall develop and file with the chief inspector, a Mine Emergency Response Plan which shall be kept up to date and followed in the even of an emergency. The Mine Emergency Response Plan shall contain all the elements required in the "Mine Emergency Response Plan Guidelines for the Mining Industry," that may be amended from time to time.)</i></p>	



Date of Inspection

2012-08-17

Initials

(Inspector)

Initials

(Manager)



## ATTACHMENT I

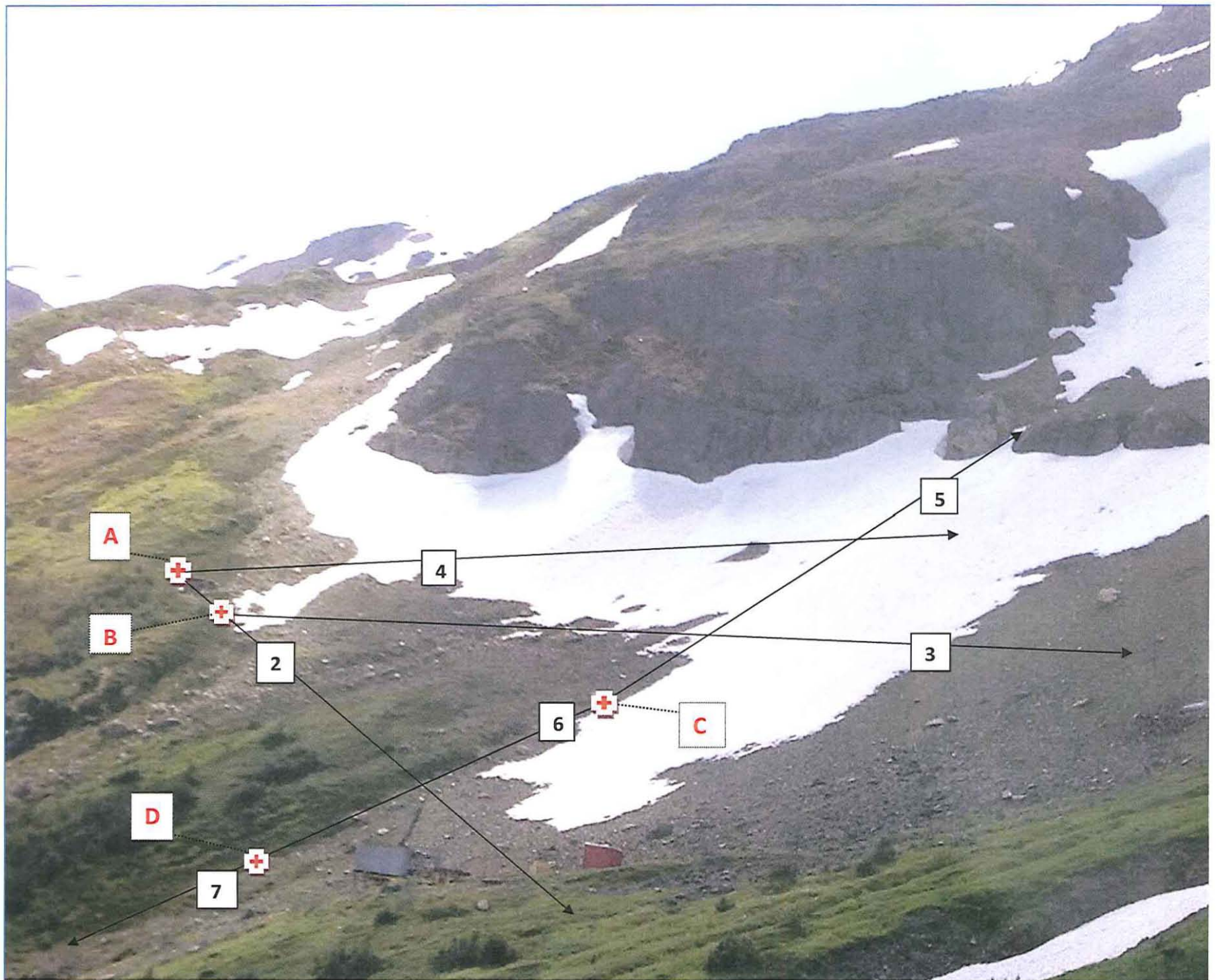
Photos taken on July 5<sup>th</sup> by the authors

## July 5<sup>th</sup> Photos

1. This photo was taken from the air looking south and east across the mountain slope. The drill in this photo is north and west of K-12-20 which was the hole the surveyors were looking for at the time of the accident. Marked on this photo are the subsequent shots taken looking in various directions and elevations.
2. This photo is taken from the helicopter landing pad [Point A] looking at the current drill site location. It also goes across the location of K-12-20.
3. This photo is taken looking west across the slope above the K-12-20 location [Point B]. It shows the snow fingers left over from this winter's snowfall.
4. This photo is taken looking up-slope from the top edge of K-12-20. The "crown" of the avalanche would have been located just below the rock face in center and upper part of photo.
5. This photo is taken from lower down slope and towards the west of photo 4. [Point C]
6. This photo is taken from the same location as 5 but looking down slope towards the throat of the chute through which the decedent was swept.
7. This photo was taken immediately below the site used for photo 6 [Point D]. Photo was taken below lowest point of remaining snow. Chute is narrow [less than 2 m.] and is identified by a whitish vertical rock outcrop about a meter in height.
8. This photo is the position of the decedent upon coming to rest.  

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9. This is a copy of a front page of a typical terrain hazard assessment done by Avalanche Risk Management and Mountain Safety Division of Soucie Construction Ltd.

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KSM Assessment June 25/2013	Description		
Site ID # Co-ordinates	KSM_ KERR K-13-B 6259900      420900	Geographic	Above Sulpherettes lake below Lower Kerr drill site. N aspect, Elevation 1260m
Hazard (Y)	<ul style="list-style-type: none"> <li>• This site is good to use now but with accumulations of snow would need reassessment.</li> <li>• Expect snow above site to melt in coming weeks leaving good sz talus requiring over 25cm of new snow to reach threshold.</li> </ul>		
Hazard Code	Green	Yellow	Red
Photo #1	<p>Specific close up of work area, landing zone, and terrain affecting site.</p> 