



cc: Susan
Paul
steve
willie
dave
EA Agenda

File: 11250-30/7343
11250-55/7343-01-8.5

August 26, 2004

Susie Gimse
Chair
Squamish-Lillooet Regional District
P.O. Box 219
Pemberton, British Columbia
V0N 2L0

RECEIVED
AUG 30 2004

SQUAMISH LILLOOET
REGIONAL DISTRICT

Dear Susie Gimse:

It recently came to the Ministry of Forests' attention that Catalina Creek is prone to debris flows and channel avulsions. The hazard came to the ministry's attention following a relatively small debris flow at the site on the evening of July 6-7, 2004. Attached photographs one to four illustrate the site and debris flow in question. The site is at approximately kilometre 8.5 of the In-SHUCK-ch Forest Service Road (FSR).

Ministry of Forests engineering staff investigated the recent slide on July 7 and 8, 2004. The objective of the ministry's site assessment was to assure worker and public safety during emergency repairs of the bridge illustrated in photograph four. It appears the creek has a long history of debris flow/avulsion activity and mitigative works. There is a high probability there will be further debris flow and avulsion activity within the drainage. The recent slide may have reduced the effectiveness of historical protective measures at the site (see photograph five). If so, the FSR and the properties upon the fan may be unusually vulnerable to future debris flow or flood damage.

We intend to complete our repairs of the FSR in the days and weeks ahead; however, we strongly recommend the creek and the existing protective measures along the creek be reviewed by a qualified registered professional (QRP - a registered professional with debris flow and flood expertise). Any repairs or improvements of protective works recommended by the QRP should be completed in a timely manner.

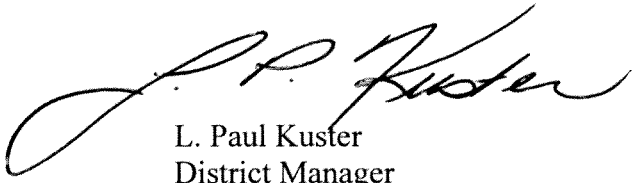
Please accept our apologies if you have already had the site assessed by a QRP and the existing protective measures have been found adequate.

Should you require any further information regarding this matter, please contact Diane Reed, Operations Manager, at 604-898-2116. Thank you once again for your cooperation.



Susie Gimse

Yours truly,

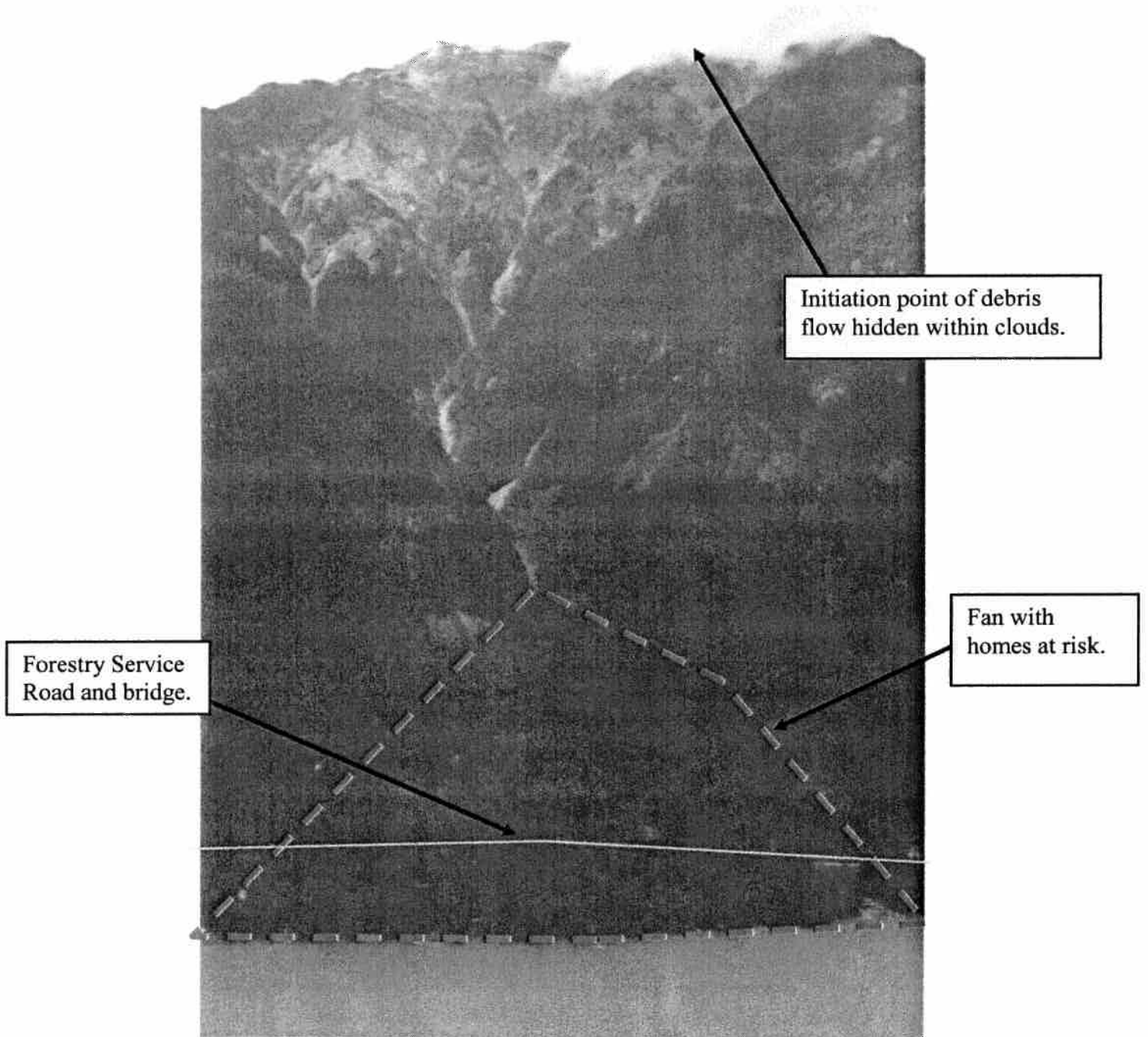
A handwritten signature in black ink, appearing to read "L. Paul Kuster". The signature is fluid and cursive, with a large initial "L" and "P".

L. Paul Kuster
District Manager

Attachments

Photograph 1

Overview of Catalina Creek
Approximately kilometre 8.5 of the In-Shuck-Ch FSR



Photograph 2

Initiation point of slide.

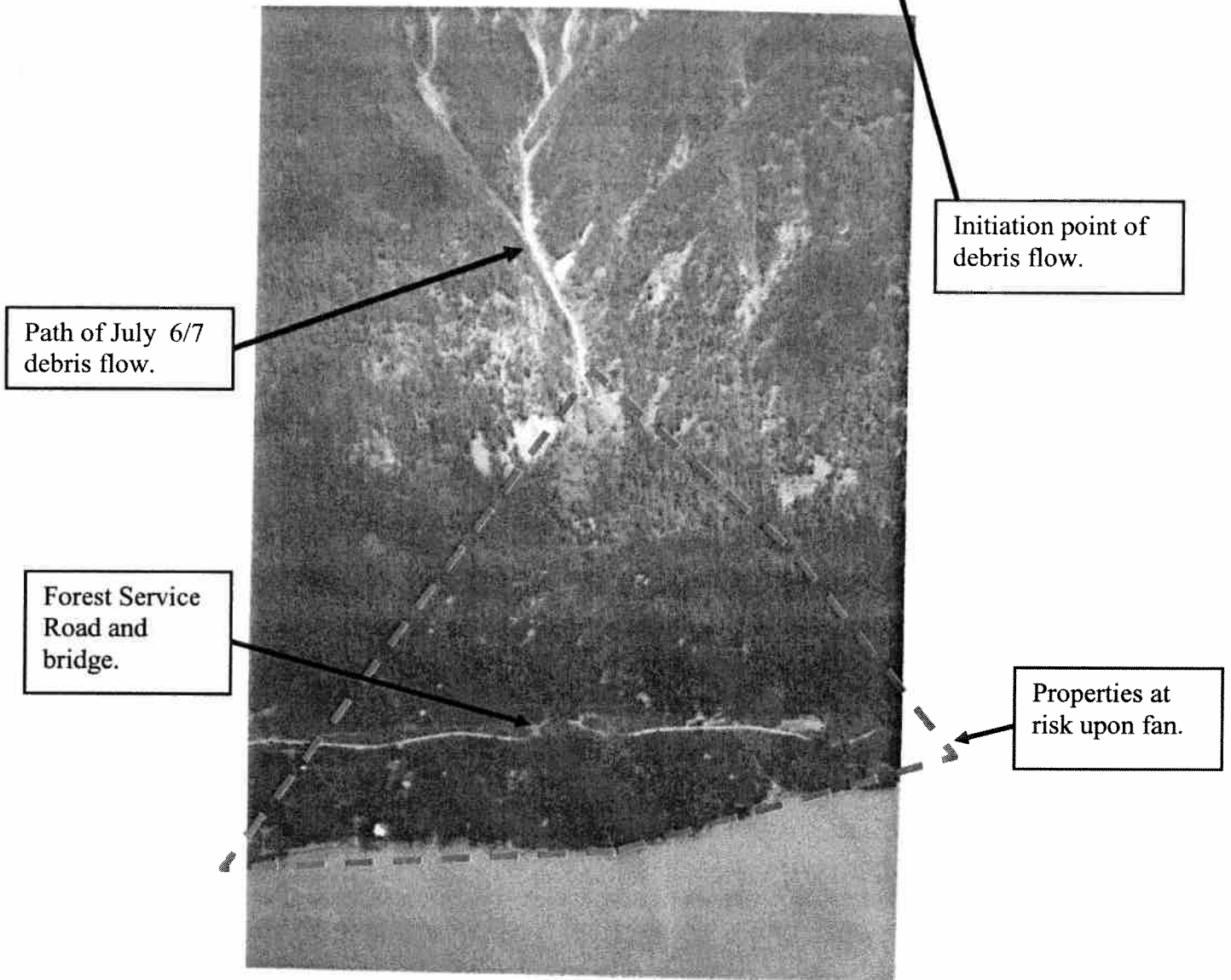


Initiation point of slide.

Slide initiated at an elevation of approximately 6300 feet.

Photograph 3

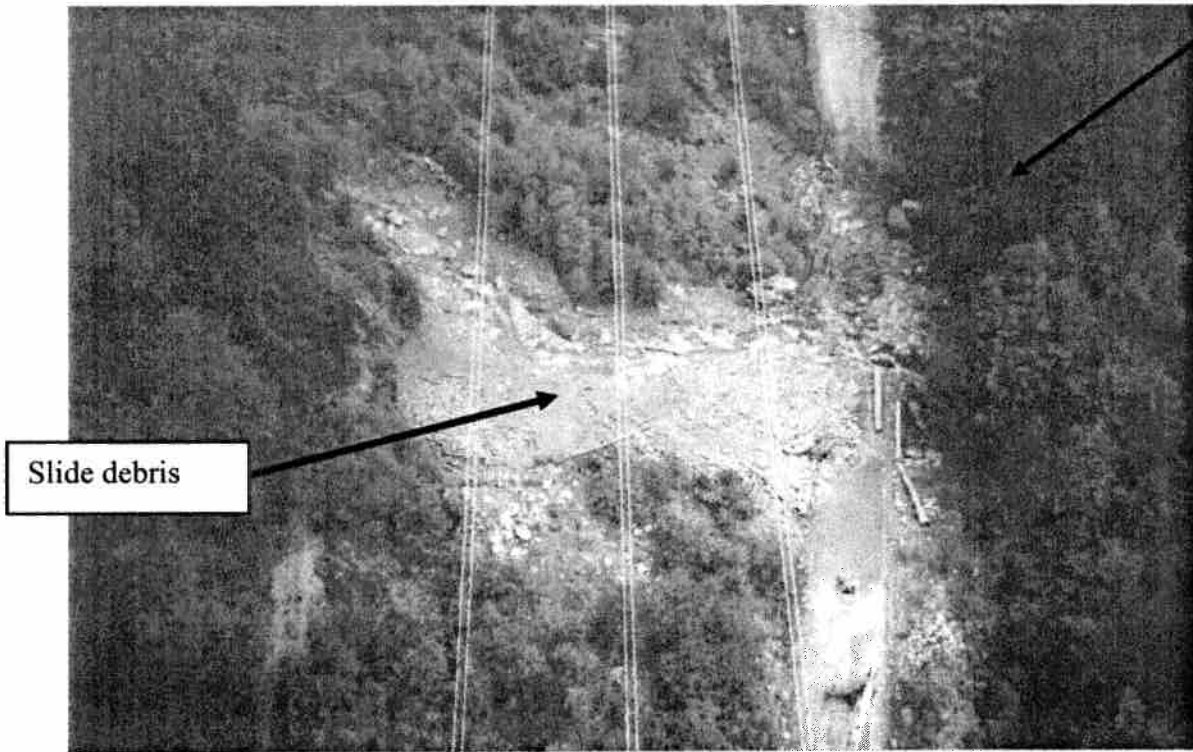
Close up of fan and community at risk.



Photograph 4

Helicopter overview of bridge.

Cabin hidden within trees.



Slide debris

Contact with the bridge appears to have triggered deposit of some slide debris. Some debris appears to have flowed beneath the bridge and into the lake.

A larger debris flow could overwhelm the storage capacity of the bridge or entrain the bridge within the moving slide debris.

Photograph 5

Slide debris along creek channel above FSR.



Notice the abundance of loose debris.

Similar channel conditions exist for at least 350 metres above the FSR.

Such accumulations of debris may increase the probability that future debris flows will escape the creek channel and impact the adjacent community.

Sloughing and remobilization of the slide debris may result in a creek avulsion and flood damage to the surrounding properties.



File: 11250-30/7343
11250-55/7343-01-8.5

August 27, 2004

Louis Potvin, Director
Heather Jean Estates
P.O. Box 220
Pemberton, British Columbia
V0N 2L0

Dear Louis Potvin:

It recently came to the Ministry of Forests' attention that Catalina Creek is prone to debris flows and channel avulsions. The hazard came to the ministry's attention following a relatively small debris flow at the site on the evening of July 6-7, 2004. Attached photographs one to four illustrate the site and debris flow in question. The site is at approximately kilometre 8.5 of the In-SHUCK-ch Forest Service Road (FSR).

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Page 1 of 2

Ministry of
Forests

Squamish Forest District

101 - 42000 Loggers Lane
Squamish BC V0N 3G0

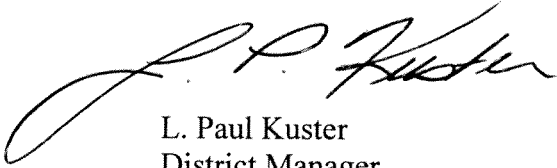
Tel: 604-898-2100
Fax: 604-898-2191
Toll Free: 1-800-663-7867

Louis Potvin

Please accept our apologies if you have already had the site assessed by a QRP and the existing protective measures have been found adequate.

Should you require any further information regarding this matter, please contact Diane Reed, Operations Manager, at 604-898-2116. Thank you once again for your cooperation.

Yours truly,



L. Paul Kuster
District Manager

Attachments

pc: Paul Edgington, Administrator
Squamish-Lillooet Regional District
P.O. Box 219
Pemberton, British Columbia
V0N 3G0