

# Sitkum Creek Fire Post Wildfire Hazard Assessment Hazards on the Fan

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# WHAT ARE:

- **DEBRIS FLOWS**
- **DEBRIS FLOODS**
- **WATER FLOODS**
- **AVULSIONS**

# ALLUVIAL FAN HAZARD ASSESSMENT

## REGIONAL DISTRICT OF CENTRAL KOOTENAY ELECTORAL AREA “E” & “F” FINAL REPORT

Prepared for:  
Regional District of Central Kootenay  
601 Vernon Street  
Nelson, BC

Prepared by:  
Northwest Hydraulic Consultants Ltd.  
444 Brooksbank Avenue  
North Vancouver, BC  
and  
Thurber Consultants Ltd.  
Suite 210 – 4475 Viewpoint Avenue  
Victoria, BC  
3-1587  
April, 1990

## Table 7 Summary of Past Flooding and Channel Erosion

Date	Duhamel	Sitkum	Kokanee	Redfish	Laird
June 10, 1948	A				
June 18, 1950	F				
June 16, 1954	F				
Circa 1956			A		
May 27, 1968	A	A			
May 13, 1971	F				
June 3, 1972	F	F			
June 1974		A			
1977					F
1983			F		

Notes:

A = Avulsion and/or erosion associated with flooding

F = Flooding reported with minor channel erosion/shifting




Reference: "Alluvial Fan Hazard Assessment, Regional District of Central Kootenay Electoral Area "E" & "F", Northwest Hydraulic Consultants Ltd. and Thurber Consultants Ltd, April 1990.

SITKUM CREEK

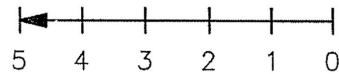


0 100 200  
Scale (m)

Legend

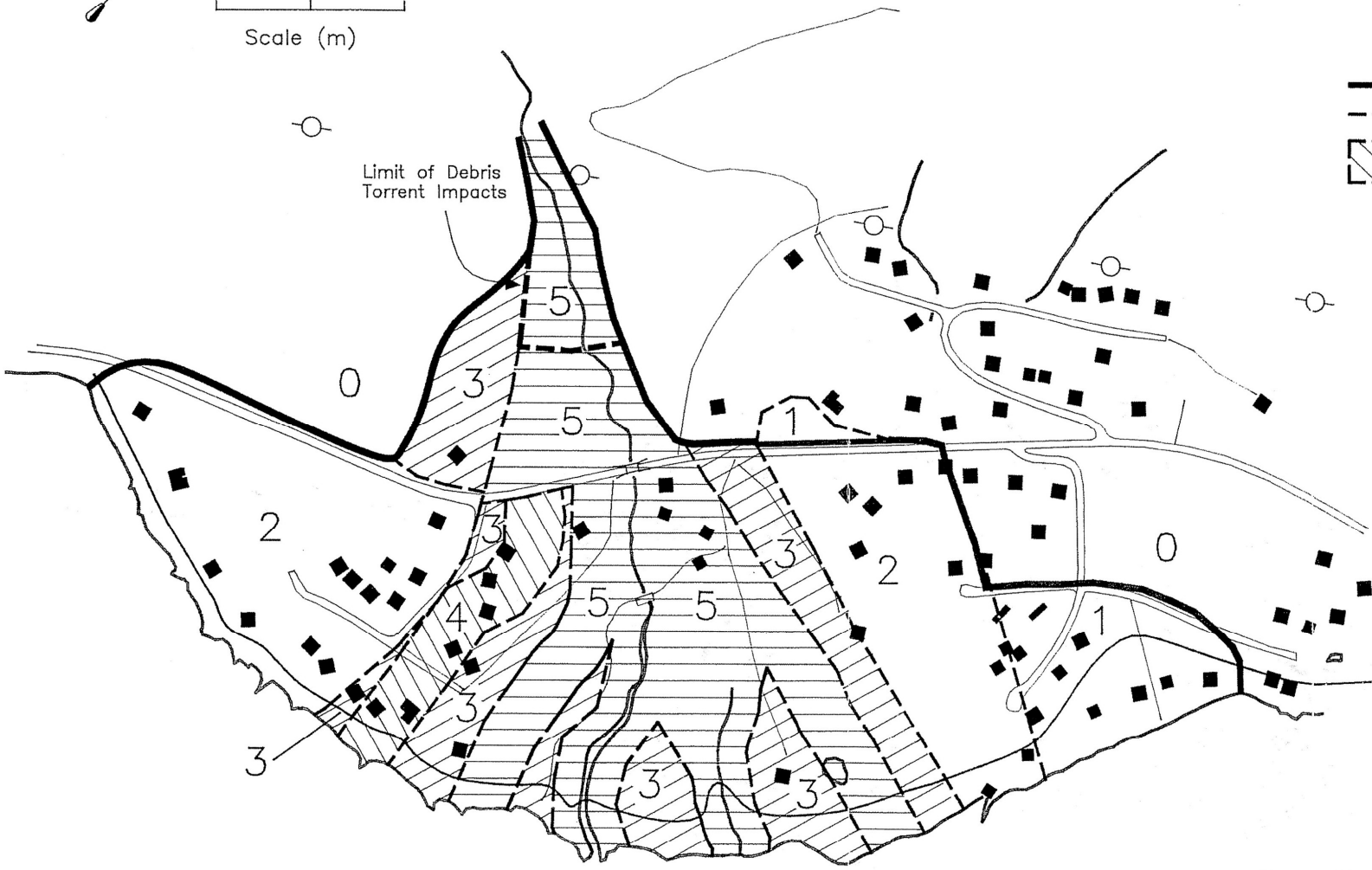
-  ACTIVE FAN BOUNDARY
-  HAZARD CLASS BOUNDARIES
-  High Risk Area

HAZARD CLASSES  
increasing hazard



Limit of Debris  
Torrent Impacts

Kootenay Lake  
Flood Construction Level



Hazard Class Definitions are Summarized in  
Tables 1 & 2.

HAZARD BOUNDARIES

Figure 14

northwest hydraulic consultants



