

Mines - felt loc'n

- pit stability - rock noise  
remember only goes  
a few hundred metres

Problems - precise location

- Quakes occur along zones
- Time resolution
- a long shot.

Hat Creek - Hydro / Golden Brawner

applications - fault loc'n <sup>possibly</sup>  
 - slope stability not applicable to this program.  
 need high freq. to check rock noise.

Highways

precise loc'n of rock noise to predict slides  
 we have been watching U.S. program of monitoring  
 effects of coal gasification in place.

Hydro - hydroelectric design - slope stability

in Portage Mtn - 1966 - powerhouse excavation - signif movement

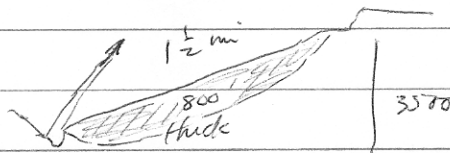
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Disp. ↖ curve shape unknown but prob. as shown  
 Time

Downie Slide - Columbia River

detection method sought

Problem - must use  
high freq 100 - 1400 Hz



1 mile along River

Mica - Regional Stress Picture

Yellowhead - uplift; Kicking Horse - ~~less~~ confusing