

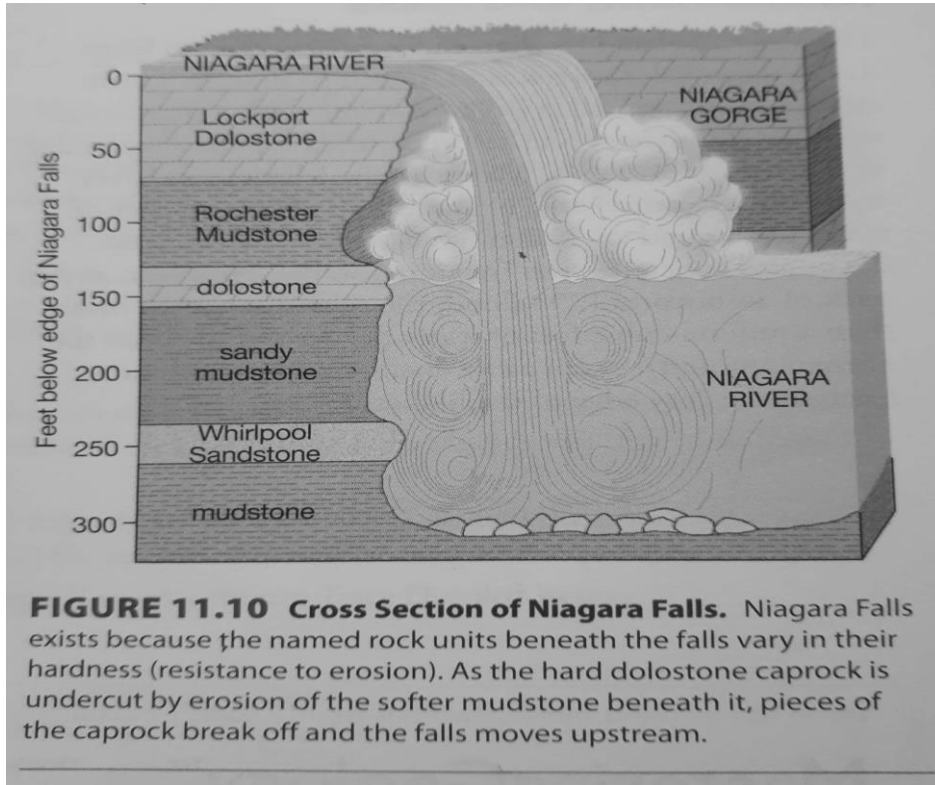
## Mass Wasting

Using your notes fill out the following chart.

Mass Wasting Type	Type of Material	Rate of Movement	Level of Destruction
Creep			
Flow			
Avalanche			
Slump			
Slide			
Rock fall			

**Case Studies**

1. Describe the weathering that is occurring in the image below.




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2. What type of mass wasting could this erosion trigger? Explain why you chose that mass wasting

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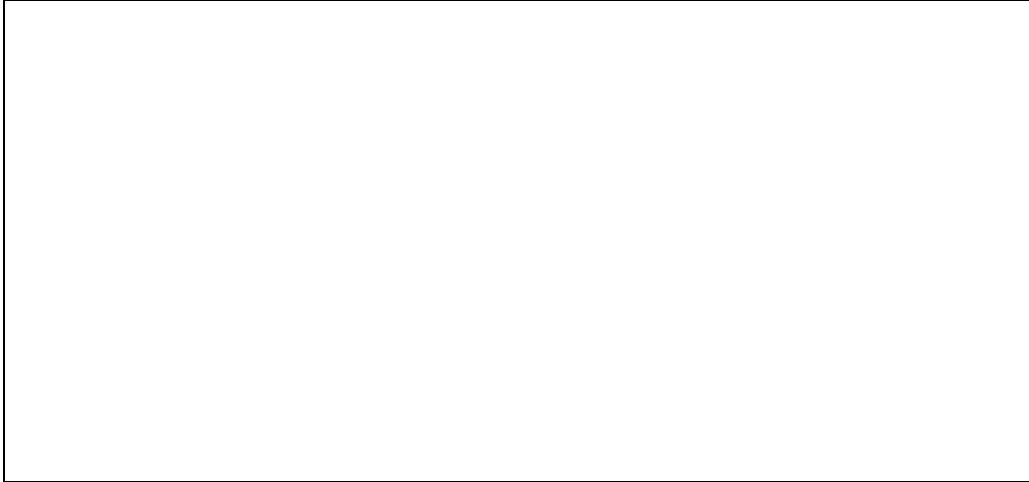


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3. Draw how the cliff would look different if the mudstone was granite?



4. Using Bowen's Reaction Series, explain why granite is not very resistant to weathering.

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5. Logger's Creek. B.C. had rockslide along Squamish Highway. Based on the image of the mass wasting, what factors do you think caused the rockslide? Why did you pick those factors?



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7. What method of control could have been used to try and prevent the Logger's Creek rockslide?

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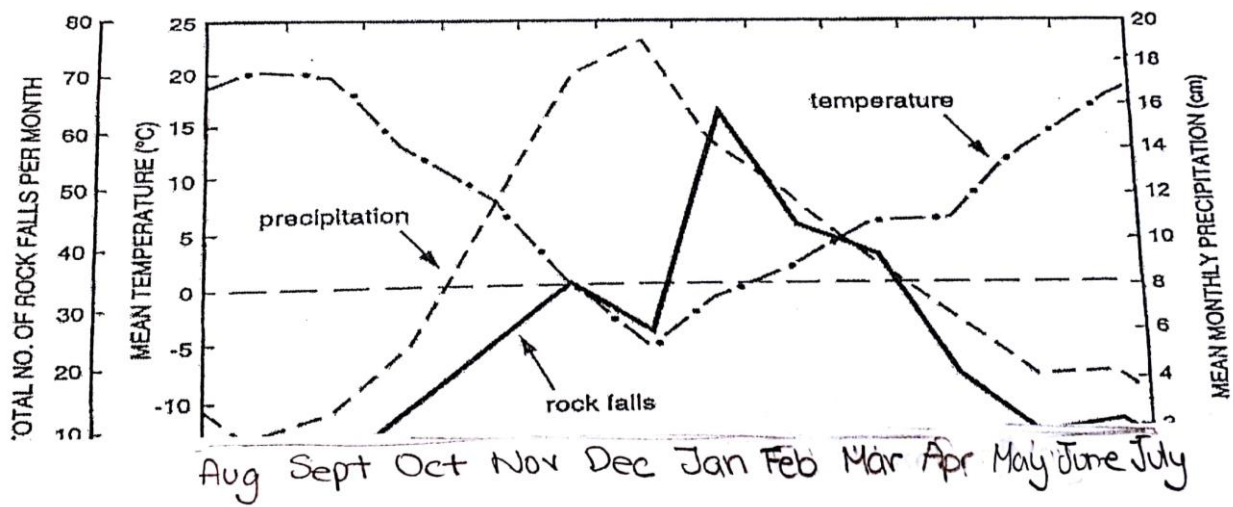


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8. The rock fall diagram below shows the average number of rock falls each month between 1944 and 1970 in the Fraser Canyon, just north of Hope B.C. Study the diagram and look for patterns between the number of rock falls and the fluctuations of precipitation and temperature throughout the year. Identify what months have the lowest and highest number of rock falls. What mass wasting and weathering factors can you think of that may have attributed to the rock falls in those months?




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