

# Flooding

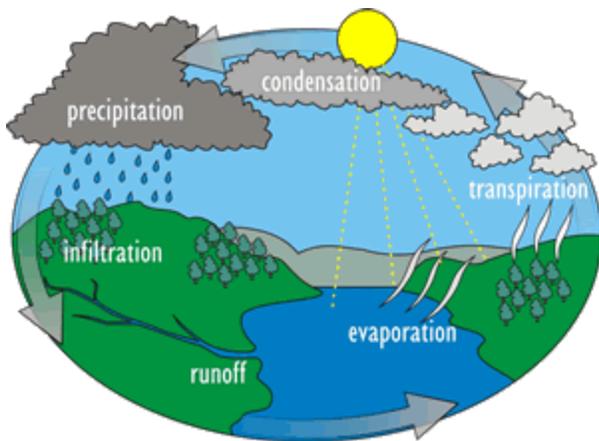
A flood occurs when water overflows or inundates land that is normally dry. This can happen in many ways including heavy rain, snowmelt, storm surges and tsunamis. In any case, flooding occurs when the delivery of water exceeds the **rate of infiltration** of water into the ground. Flooding is most likely to occur in low-lying areas near coastlines, rivers and lakes.



What are 4 **natural** and/or **human** events that can cause flooding?

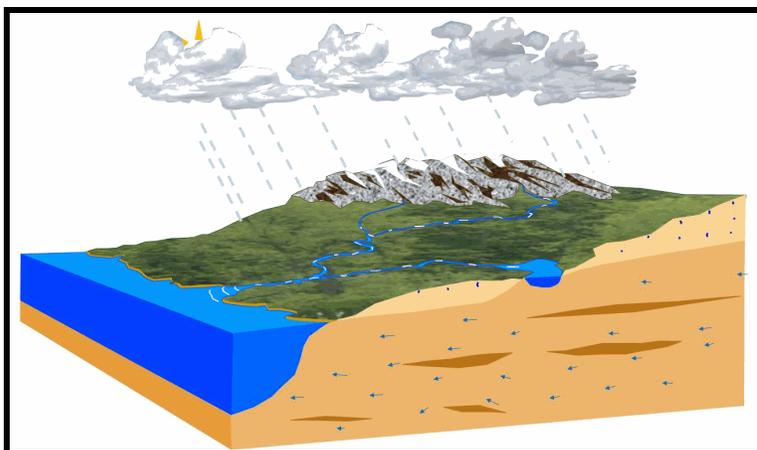
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## The Hydrological Cycle



**In your own words explain the water cycle and its relation to flooding.**

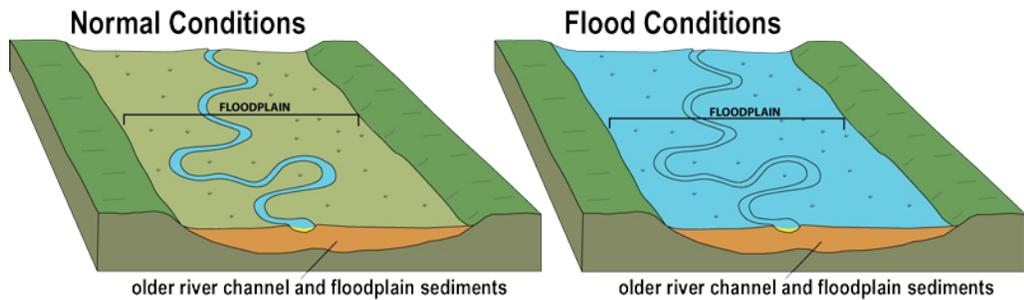
Explain how **infiltration, percolation, and runoff** created flood conditions.



How do each of the following conditions make the Huntsville area so susceptible/prone to flooding?

Condition	Details	Your explanation of how each impacts flooding (2-3 sentences)
Climate	High snowfall, moderate precipitation, seasons	
Geology	The Canadian Shield is hard, solid rock.	

What is a floodplain?



\*\*\*You should choose to complete these last two questions after you complete the two case studies\*\*\*

Identify 2 connections between floodplains, deltas and flooding events.

What are 3 strategies/structures or decisions humans can make to prevent or minimize the impacts of flooding?

Screenshot or paste an image of each and provide a one sentence explanation of how it protects humans from flooding.

Dams	Levees	Spillways
In Cities		

