

Stream Table Lab #3- Flood

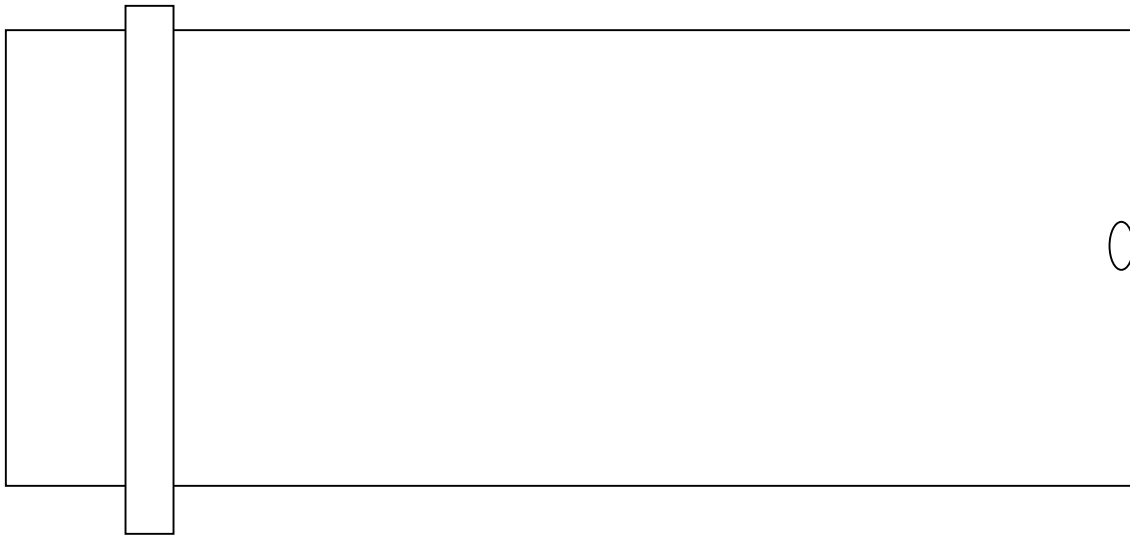
Sometimes great thunderstorms near the Grand Canyon send huge amounts of water down the side canyons. These events are called **flash floods**. How can we investigate the affect a flash flood would have on erosion and deposition using our stream table?

Problem: Does the amount of water affect how much erosion takes place on the stream table?

Hypothesis: If the amount of water increases then _____

Materials/Procedure:

Draw the stream table before the investigation begins.



Run 1 liter of water through your stream table. In real life this represents about 1 million years of a river flowing over a flat surface. Be sure to list your observations in the table on the next page.

Data:

Elapsed Time	Important Events
.5 minute	
1 minute	
1.5 minutes	
2 minutes	
3 minutes	

Draw the stream table after the water has finished running.



Conclusion Questions:

1. How were the results of the slope and flood investigations similar?
2. How were they different?
3. What happens to flood waters when they reach another body of water like a lake?
4. Where did this happen on the stream table?
5. What might happen in the Grand Canyon if there is a flash flood?