

Date: 2007 Workshop

Title of Project:

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School:

Target Grade Level: 6,7,8 or High School

Objective: To show what effects earthquake (fault movement) has streams and their features

Materials: A. Plastic tube cut in half or wood frame or standard stream table- two halves  
B. Plastic tarp or thick bag for basin  
C. Play sand, gravel-fish tank gravel  
D. Water source- Faucet, hose, etc  
E. Block, Bowls, old books for gradient

Setup: Run water for 10 min down the table set gradient, measure with protractor record on attached table

Change bottom < 10% drop after 10 minutes, record observations and measurements (hypothesis)

Change after 10 minutes 10° from original gradient up, hypothesis- measure and observe.

After 10 minutes offset 10cm, sideways, hypothesis- measure and observe  
Measure and draw the following for each:

Feature	10% Gradient	10% Down	10% Uplift	10% Offset
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Velocity

Depth

Meanders

Oxbows

Terraces

Outwash Area

Branching

Summary: A. What features were affected the most by the changes? Why?

B. What features were affected the least? Why?