

Surge Flow Graphing

Researcher Names: _____

Date and Time: _____

Surge Frequency

Reach Description: (Use creative adjectives to describe your section of stream.)

1st Surge 0 seconds

2nd Surge seconds

3rd Surge seconds

4th Surge + seconds

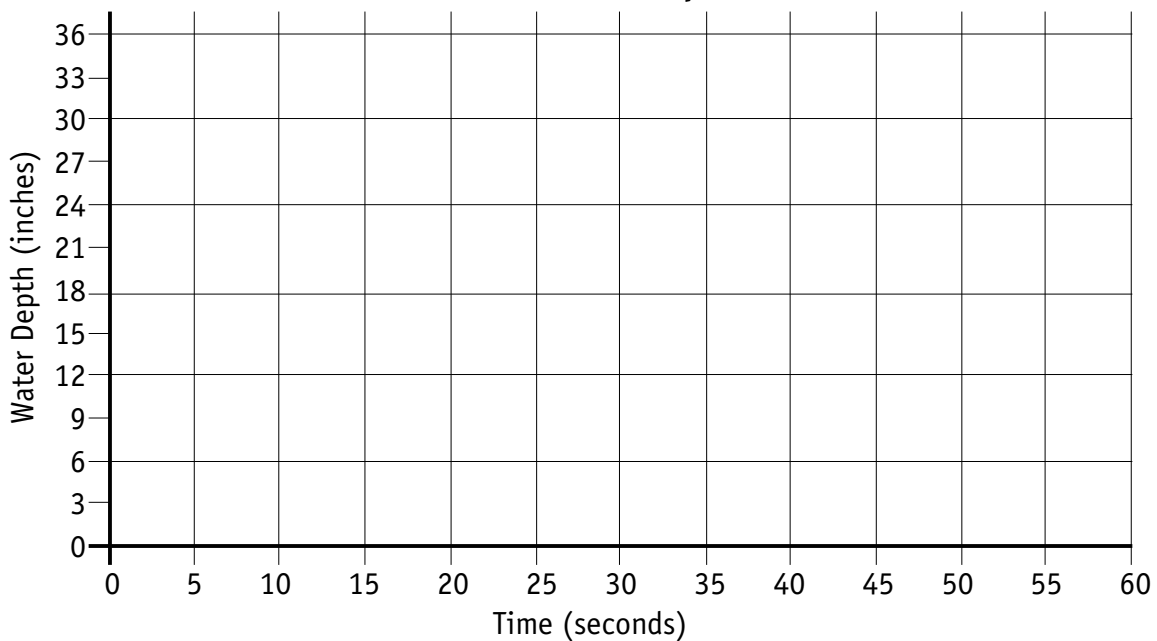
Total

 ÷ 3

Average Surge

Description tips: How wide is it? How deep is the water? Are there log jams or rocks? Is the water flowing fast or slow?

Antidune Development



Choose a location to measure antidune development where surges are occurring and where the water depth is less than 36 inches deep. Begin by placing the yardstick in the trough of an antidune. Begin measuring at the moment a surge hits your stick. This measurement will be graphed at 0 seconds. Continue measuring the depth every five seconds for one minute.