



STREAM PATTERNS

PERCENT SHADE COVER

HUI 1 DATA SHEET

STUDENT NAMES: _____

DATE: _____ **TIME:** _____ **WEATHER CONDITIONS:** _____

OUR HYPOTHESIS:

Look closely at the study area between the boundary markers. Imagine that the 10 x 10 square grids below represent three areas: 1) the area over the stream by the first boundary marker; 2) the area over the stream by the second boundary marker; and 3) the area over the stream in the middle of your study site. Color in the blocks to represent the amount of shade over each site. Then count the total number of blocks you have colored. That is the percent of shade cover over the area of the stream. For example, coloring 20 of the 100 squares would be equal to 20 percent (%) shade cover.



Urban Stream Site

First Boundary Marker
 Percent Shade Cover: _____

Middle of Study Area
 Percent Shade Cover: _____

Second Boundary Marker

Percent Shade Cover: _____



STREAM PATTERNS

PERCENT SHADE COVER

HUI 1 DATA SHEET - 2



Forest Stream Site

First Boundary Marker

Percent Shade Cover: _____

Middle of Study Area

Percent Shade Cover: _____

Second Boundary Marker

Percent Shade Cover: _____

What **variables** does your group need to control when you compare the percent shade cover at the two sites? Why?

Observations

Use the **observation sheet** to record your observations of the area around and in the stream at the urban and forested stream sites. What are the banks of the stream like? What's on the stream bottom--boulders, cement, gravel, silt?