Student Section
Stream Habitat Survey Form

Student Name: _____

Date: _____   Time: _____

Stream: _____

Where or GPS coordinates: _____

Air Temperature: _____   Water Temperature: _____

Weather: _____

• *If you survey a longer stream reach using these methods, you get a snapshot of the habitat conditions. Results can be compared to stream standards to evaluate things such as percentage of pools, width to depth ratio, amount of wood, percentage eroding stream banks.*

1.   Habitat Type: Pool, Riffle, or Glide: _____

2.   Unit Length: Measured   _____

3.   Widths: 1) _____ 2) _____ 3) _____ Average: _____

4.   Maximum Depth: Measured   _____

5.   Substrate:

Sand/Silt <2mm _____ Gravel 2-64 mm _____ Cobble 64-256 mm _____ Boulder >256mm _____
To pea size   pea to baseball   baseball to basketball   bigger than basketball

       Dominant: _____   Sub-Dominant: _____

6.   Embeddedness (> 35% - are cobbles and boulders in sand/silt): Yes _____   No _____

7.   Number of pieces of Woody Material (>5cm diameter and 1 m length): _____

8.   Number of meters Eroding Banks: _____

Station 2

9.   % Bank Cover (0-25%, 25-50%, 50-74%, 75-100%):   _____
          Vegetation or large substrates that reduce erosion

10.   Fish Cover Types Present (for 10 cm salmonid):
          0-absent 0%,   1 sparse <10%;   2 moderate 10-39%;   3 heavy >40%;

          Undercut banks   0 1 2 3   Wood material   0 1 2 3

          Substrate   0 1 2 3   Aquatic vegetation   0 1 2 3

          Depth   0 1 2 3   Overhanging vegetation   0 1 2 3

          Turbulence   0 1 2 3

11.   Percent of Total Fish Cover (0-5%, 6-20%, 21-40%, or >40%)   _____
          Of the total surface area what percentage would have cover for a 10-cm fish.

Questions for thought:
• How does the stream habitat that you measured provide for food, water, shelter, and space for fish?

• How could habitat be improved?

• How does the watershed health contribute to the stream habitat conditions of your unit?

Stream Mapping
Draw a sketch of your habitat unit.