Student Section

Stream Habitat Survey Form

Student Name: _____

Date: _____ Time: _____

Stream: _____

Site description (where on stream): _____

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 _____

If you have a pool:

5. Depth of Pool Tail Crest: _____

6. Residual Depth of Pool (Maximum – Tail Crest) _____

7. 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: _____

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

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

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%) _____

12. Number of meters Eroding Banks: _____

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

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.