PHYSICAL SURVEY FORM

Section 1: General Information

School: ___________________________ Teacher(s): ___________________________

Date: __________ Time: __________ Township / City: ______________________ County: _____

Test location: ________________________________

River Branch: ___________________ Tributary: ________________________________

If the access point to this site is a road crossing, does a road ditch discharge directly into the stream at the crossing? yes no

Section 2: Weather Conditions

sunny partly cloudy cloudy rain

Any precipitation in the last 5 days? yes no If yes, approximate amount: ________

Air temperature: ________ °C Water temperature: ________ °C

Section 3: Stream Habitat

3.1) Average stream width (0.1ft): ______ 1. ____ + 2. ____ + 3. ____ = _______ / 3

Average stream depth (0.1ft): ______ 1. ____ + 2. ____ + 3. ____ = _______ / 3

3.2) Surface water velocity (0.1 ft / sec): _______

distance (0.1 ft): _____ distance (0.1 ft): _____ distance (0.1 ft): _____
time (sec): _____ time (sec): _____ time (sec): _____

Test 1 velocity: _____ + Test 2 velocity: _____ + Test 3 velocity: _____ = _______ / 3

3.3) Estimated flow (width x depth x velocity): ________

3.4) Has the stream been channelized? yes no

3.5) Dominant watershed soil type: clay loam / sand organic

3.6) Water color Water Color Clear [ ] Gray [ ] Brown [ ] Black [ ] Green [ ]

Water odor (describe): __________________

3.7) Trash in stream along banks? yes no

Trash / debris in trees (or shrubs) above stream? yes no

3.8) Substrate (Rank relative abundance; 1 = most common, 2 = next most abundant, etc. Leave blank if absent) 3.9) Obvious Siltation?

_______ Clay yes

_______ Silt no

_______ Sand

_______ Gravel (0.25” - 2”)

_______ Cobble (2” - 10”)

_______ Boulder (>10”)
3.10) **Substrate Embeddedness (Circle One)**

![Substrate Embeddedness Diagram]

3.11) **Riparian Vegetation** (Rank relative abundance; 1 = most abundant, 2 = next most abundant, etc. Leave blank if absent)

- Trees
- Shrubs
- Herbaceous plants
- Grass
- Bare

Other (please describe): ____________________________

3.12) **Stream Shading**

- 76 – 100% extensive
- 51 – 75% moderate
- 26 – 50% little / none
- 0 – 25%

3.13) **Bank Erosion**

3.14) Estimated width of riparian vegetation corridor (ft): ______

3.15) **Stream Habitat** (circle if present)

- Riffles
- Runs
- Pool

3.16) **Woody Debris**

- abundant
- common
- rare
- none

3.17) Dams present: yes no If yes: man-made beaver / log jam

3.18) Aquatic plants: algae filamentous algae vascular plants

Are any of these plants very abundant? yes no Which one(s)? algae filamentous algae vascular plants

3.19) **Surrounding Land Use:** (Rank relative abundance; 1 = most abundant, 2 = next most abundant, etc. Leave blank if absent)

- Woodland
- Wetland
- Open field
- Farmland
- Residential
- Commercial

Other (please describe): ____________________________

3.20) Any obvious pollution sources? yes no

If yes, please describe:
3.21) During the sampling and evaluation, did you observe any fish or wildlife?  
   yes  no  
   If yes, please describe (if possible):  

3.22) Other observations:  

3.23) Draw diagram of monitoring site below or attach any photos to survey form (downstream, upstream, and others of interest).