ATTACHMENT 2—PHYSICAL DATA SHEET

Date: _____ Time: _____

Weather: _____

Location: _____

Transect: _____

Steam Width: _____

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge _____

Substrate: _____

Transect: _____

Steam Width: _____

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge _____

Substrate: _____

Transect: _____

Steam Width: _____

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge _____

Substrate: _____

Transect: _____

Steam Width: _____

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge _____

Substrate: _____

Physical Data Sheet (contd)

Flow Velocity :

Length of reach or stretch of stream being measured _____

Time A = _____ Time B = _____ Time C = _____

Average = _____

Flow Volume :

Using the following formula, calculate flow volume:

$$V = \frac{WDLa}{T}$$

V = volume in cubic feet per second (cfs)

W = average width for the test section in feet

D = average depth of test section in feet

L = length of test section in feet

T = average time for float to go through the test section

a = a constant depending on the type of river bottom. (If the bottom is rocky, use 0.8 as the constant; if it is smooth, use 0.9).

Measure W and D at the two ends and middle of the test section using the same methods you used earlier:

Location: _____

Steam Width:

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge ____

Location: _____

Steam Width:

Stream Depth: Left Edge ____ 1/4 ____ Mid ____ 3/4 ____ Right Edge ____

Average Width _____ Average Depth _____

Volume = _____ (show calculations)