Watershed Education
Physical Datasheet

Group: Grade:

Contact Person: Phone #:

Basin: Watershed: Stream:

Location:

Date: Time: # of Participants:

Weather:

Temperature

Stream Temperature _____ **^{o}C**

Air Temperature _____ **^{o}C**

Stream Width

Stream Width _____ **Meters**

Stream Depth

Stream Depth Point A _____ m

Point B _____ m

Point C _____ m

Point D _____ m

$\frac{A+B+C+D}{4}$ = Average Depth _____m

Average Stream Depth_____ m

Stream Velocity

Time at A _____ sec.

Time at B _____ sec.

Time at C _____ sec.

Time at D _____ sec.

$\frac{A+B+C+D}{4}$ = _____Average Time

$\frac{5 \text{ meters}}{\text{Average Time}}$ = Stream Velocity _____ m/sec.

Stream Velocity = _____ m/sec.

Volume of Flow

Volume of Flow = wdvc

w = width
d = depth
v = velocity
c = constant (0.8 for cobble bottom or 0.9 for muddy or sandy bottom)

Volume of Flow =_____m^3/sec.
