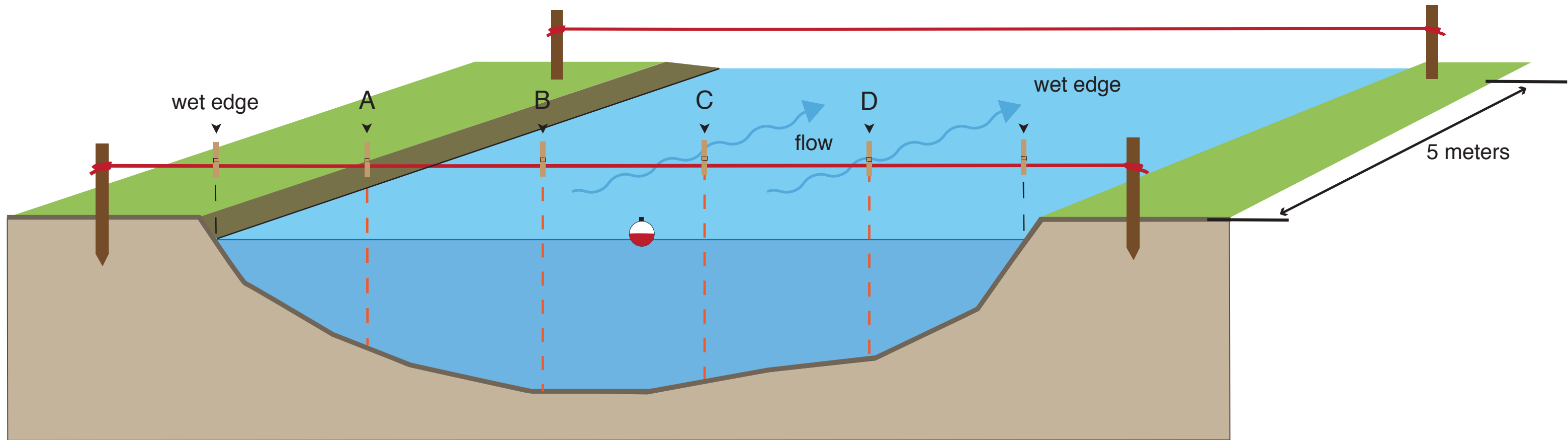


Volume of Flow = W x D x V x C



W

Measure **width** from wet edge to wet edge.

D

Depth = $\frac{A+B+C+D}{4}$ meters
measure at 4 equidistant points on width and average.

V

To get **velocity**
1 Drop float four times (once at A,B,C,& D) and average the times it takes to reach the 5-meter line.

$$\frac{t_1 + t_2 + t_3 + t_4}{4} = \text{avg time (sec)}$$

2 Divide the distance the float traveled by the avg time
 $5\text{m} / \text{avg time (sec)} = \text{velocity (m/sec)}$

C

Constant of friction stream bottom
0.8 = cobble
0.9 = mud, silt, or sand