Data Form For Calculating Flow

DATA FORM FOR CALCULATING FLOW			
Solving the equation: Flow = $\frac{A L C}{T}$			
Where: A = Average cross-sectional area of the stream. L = Length of the stream reach measured (usually 6.5 meters). C = A coefficient or correction factor (0.8 for rocky-bottom streams or 0.9 for muddy-bottom streams). T = Time, in seconds, for the float to travel the length of L.			
A: Average Cross-Sectional Area			
Transect #1 (upstream)	Transect #2 (downstream)		
Interval width (meters) Depth (meters) A to B = (at B) B to C = (at C)	Interval width (meters) Depth (meters) A to B =		
C to D = (at D) D to E = (shoreline) Totals	C to D = (at D) D to E = (shoreline) Totals ÷ 4		
= Avg. depth m	= Avg. depth m		
Cross-sectional area of Transect #1 = Total width (m) X Avg. depth (m) X = m ²	Cross-sectional area of Transect #2 = Total width (m) X Avg. depth (m) X = m²		
Cross-sectional area of Transect #1 + Cross-sectional area of Transect #2) ÷ 2 = Average Cross-sectional area $A = (m^2 + m^2) \div 2 = m^2$			
L: Length of Stream Reach	T: Travel Time of Float (sec.) Trial #1 Trial #2		
C: Coefficient	Trial #3 Total ÷ 3 = Avg. time sec.		
Flow = $\frac{ALC}{T}$ = $\frac{\Box}{\Box}$	= m ³ /sec.		

Water Quality Assessment Data Sheet 2011-2012

Stream Name:	Site Code:
Latitude/Longitude:	Date/Time:
Site Description:	Investigators:

Weather conditions:	Now	Past 24 hours
		Storm
		Rain (steady)
		Showers (intermittent)
		Clear/sunny
		% cloud cover

Has there been heavy rain in the last 7 days? Air temperature (°C): Comments: _____

Instream Features:

Parameter	Field Measurement
Water temperature	°C
Water pH	
Stream depth	m
Discharge (calculated on separate sheet)	m³/s
Canopy cover	%
Obvious pollution	Yes or No
	Describe:

Comments: