SOP for calculating discharge using a propeller flowmeter  
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* + - 1. Choose a cross section of the stream with a relatively defined channel and mark both sides of the stream using re-bar, sticks, etc. (some sort of pole that can be inserted into the sediment)
      2. Lay a measuring tape across the width of the stream and record the total stream width
      3. At 0.1m intervals along the width of the stream measure the stream depth (cm) using a meter stick
      4. At the same location as the depth reading at every interval, also measure the velocity.
  + Record the units that the flowmeter reads (ft/s or m/s)
  + Align the flowmeter so that the propeller is parallel to the direction of stream flow (and the propeller is facing the proper direction according to the arrow on the instrument).
  + Raise the flowmeter approximately 1/3 of the total depth above the stream bed.
  + Read and record the velocity measurement displayed on the flowmeter.
  + NOTE: occassionally, the velocity is below the 0.1 m/s lower detection limit. If this is the case and you see visible water flow, record the velocity as 0.01 m/s and note the discrepancy.

1. Repeat steps 3-4 for each 0.1m across the stream width.
2. Make sure to record the flow meter ID on the field datasheet.