SOP for calculating discharge via the salt slug method at Falling Creek and Beaverdam Reservoirs  
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Last Update: Aug 28, 2019

1. Calculate a calibration curve once per sampling day at each reservoir (i.e., there will be one calibration curve for BVR and one for FCR on a given sampling day)
   1. Put a known amount of stream water in bucket (4L usually works well) and record the volume of water on the datasheet
      1. Make sure to scrub the bucket clean in stream water BEFORE measuring water into the bucket
   2. Measure baseline specific conductance in the bucket and record on datasheet
      1. Hit ‘mode’ once after turning on the probe to measurement ‘compensated’ conductivity
   3. Add 5g of pre-weighed salt and measure specific conductance
   4. Repeat step 1c for 10g, 25g, 50g, and 100g of salt additions for a final salt addition of 190g
2. Select a monitoring site where you will read specific conductance measurements which is in a well-mixed portion of the stream with an obvious channel. At the monitoring site, collect a baseline specific conductance measurement before adding the salt slug upstream. Find a location for the conductivity probe in an unobstructed portion of the stream.
3. Dissolve a known amount of salt in the bucket (~125g of salt per meter of stream width). Make sure all salt is dissolved by using a stirring utensil. Leave the stirring utensil in the bucket so you can rinse it in the stream when you dump the salt slug in Step 5.
4. Select a dumping site upstream of the monitoring site. This site should be ~10x the stream width upstream and in a location where the salt slug will fully mix in the stream quickly.
5. At the dumping site, pour the salt solution quickly into the stream, being sure to rinse remaining residue from bucket and any utensil used to stir the solution into the stream as well.
6. Immediately upon dumping the salt solution, begin timing and recording specific conductance measurements, starting at 0 seconds.
7. Continue collecting specific conductance measurements at given time interval (3-5 seconds) until the specific conductance returns to the baseline reading.
   1. Time intervals can be adjusted once the specific conductance begins to slow in between readings, but the interval change must be recorded on the data sheet.