

2015 CHaMP Camp Workshop

CHaMP Stream Temperature Models

June 2, 2015

12:30 p.m. – 1:00pm

Lead Trainer Kris McNyset, South Fork Research/NOAA

Objectives: Describe in detail how CHaMP stream temperature data are analyzed and used in a temperature model

Software needs: None

**Additional
Resources:**

Abstract: CHaMP stream temperature models use temperature logger data from CHaMP sites to generalize measured stream temperatures across CHaMP watersheds throughout the year. The models produce estimates of 8-day mean stream temperature for all confluence-to-confluence stream reaches within each CHaMP watershed. This approach can be used to generate robust estimates of stream temperature through time for broad spatial regions for which there is only spatially and temporally patchy observational data, and may be of use to managers and researchers interested in stream biota. I will give an overview of model structure, inputs, data processing, and model output and validation.

Attendees are encouraged to come with questions pertaining to their own survey design and analysis challenges.