

Equipment

1. Benthic Rover
2. Time lapse Camera
3. Sediment traps
4. SES (imaging sediment trap)
5. Video Transects

Data

1. Benthic Rover
 1. The overall goal for the Rover is to measure how much oxygen is consumed which gives you an estimation of the carbon consumption that is happening. Metric is called SCOC
 2. Rover takes images. Ken currently annotates those images in VARS. basically looking for animal counts
 3. Fluorescence is measured to get an idea of the chlorophyll.
 4. There is an Optode that measures temperature, salinity and oxygen
 5. There is also a current meter, but not that frequently used.
 6. The data is stored in deployment folders on the project library under project number 900502, organized by instrument
2. Timelapse Camera
 1. Covers about 20 square meters in an image.
 2. 1 image per hour
 3. Ken does all the annotation using VARS
3. Sediment traps
 1. One is deployment at 50 meter altitude
 2. Another at 600 meter altitude.
 3. Bottles rotate once every 10 days
 4. It takes months to process the samples
 5. Data is mg of carbon per meter squared per day.
 6. Overall goal is called POC (Particulate Organic Carbon) flux
4. Video Transects
 1. Benthic and they are annotated by Lynda in the video lab
5. SES
 1. New instrument.
 2. Data is images of sediment

There is a share on Atlas called Pulse where a great deal of this data is stored.