Outline

**Introduction:**

* Streams and riparian vegetation are linked,
* forest succession and current state of forests (dense canopy cover, light limited GPP)
* Light is an important driver of stream ecosystems, disproportionate contribution of autochthonous carbon (better quality)
* Secondary production dominated by macroinvertebrates
* Top-down influence of fish, increased foraging efficiency with increased light
* Changes in resource availability, trophic cascade
* Possibility of energetic dead-end in inedible scrapers
* Variable responses due to functional redundancy and different taxa present

**Methods:**

Study area

Data Collection

Data Preparation?

Statistical Analysis

**Results:**

Light response

Algal response

Benthic community response by taxa

Benthic community response by FFG

Diet response

Regressions of algal growth vs. light and FFG’s vs. residuals?

**Discussion:**

Functional redundancy

* because no statistical significance by taxa, more statistically significant by FFG. Taxon composition varies by stream so taxa response is variable, but functional responses aren’t.

Energetic dead-ends

* We’ll see what the regression says.

Lack of response in fish diets in the post-treatment year