Overview

Snorkel surveys were conducted between March and August at 24 sampling locations selected at random (12 in LFC, 12 in HFC). Each section covered an area 25 meters long and four meters wide and ran parallel to one riverbank. Two divers surveyed the reach by swimming upstream and marking the location of fish observations and the number, species and size of the fish observed. The divers would then measure water depth, average velocity, substrate, cover, and habitat types at 36 points, each representing one square meter within the reach. The divers also returned to the locations where fish were observed and measured depth and focal velocity associated with each fish observation. Water temperature was continuously monitored through a network of StowAway electronic thermistors.

Attributes collected

* Species
* Approximate fork length in mm
* Number of fish of a given size
* Substrate type: percentage of every type of survey is recorded
* Cover: percentage of half-meter overhead cover, and more than half-meter overhead cover
* Habitat type
* Environmental covariates: temperature, flow, turbidity, weather
* Depth and velocity of reach
* Depth and velocity of fish observation