

STREAM ECOLOGY

REVIEW AND REACT

1. Please read the following paper. The PDF is on the class website.

Lytle and Poff. 2004. Adaptation to natural flow regimes. TREE 19: 94-100.

2. Please answer the following questions:

- a. What is meant by the phrase "*the natural flow regime*"? Use your own words, and define in 1-2 sentences.
- b. Figure 1 is central to the thesis of the paper.
 - i. What is meant by *ecology vs. evolutionary* responses?
 - ii. In your own words, describe how increased predictability and magnitude of floods will influence the response of organisms to flow regimes.
- c. Table 1 shows examples of adaptations to flow regimes. Pick one of these examples and read the original citation and write a 3-4 sentence description of the original research.
- d. Write a question you have about the concepts or research presented in this paper.

3. When and how to submit answers

- a. When: beginning of class on Jan 22.
- b. Where: classroom.
- c. What: a hard copy of answers, approximately 1 page long (typed 12 pt font, double-spaced), with proper sentence structure. Make sure everything is in your own words!

This assignment is worth 3.75% of your final grade. Please let us know if you have any questions.