Date: September 23, 2016

*Journal of Experimental Marine Biology and Ecology*

Dear Editor:

Please find attached for your kind review our manuscript entitled “Experimental evaluation of the use of vision and barbels as references for rheotaxis in green sturgeon.”

The work investigates the role of visual stimuli and barbels, respectively, in juvenile green sturgeon rheotaxis behavior. While mechanical stimuli (including water flows) have been used to evaulate rheotaxis behavior in fishes, to our knowledge this is the first comparison of photic and mechanical stimulus in green sturgeon rheotaxis behavior, as well as the first investigation into the role of barbels in rheotaxis.

All the authors have agreed to this submission, and we look forward to your favorable consideration.

Sincerely,

Myfanwy Johnston, John Kelly, A. Peter Klimley, Richard McElreath, and Emilia Lindvall.