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**Title:** Measurement Error in Recreation Demand Models: The Joint Estimation of Participation, Site Choice, and Site Characteristics

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**Abstract:**

The use value recreational anglers receive from our nation's rivers and streams are determined in a major way by catch rates and the influence of those catch rates on demand and utility. Impacts from mining, industry and other sources injure fish stocks, which can affect catch rates.

Accurate estimation of how much such injuries damage society is important: the dollar estimates of damages and clean-up determine whether clean-up is efficient and how legally responsible the polluter is for all past and residual damages.

The paper shows that literature has consistently underestimated the importance of catch rates, and thus, underestimated the damages associated with reductions in catch rates. This study is best suited for individuals well versed in economic theory.