

RYAN SNADER, Institute of Environmental and Physical Sciences, Shepherd University, Shepherdstown, WV, 25443. **The effects of salinity on the survival and reproduction of the freshwater snail, *Physa gyrina*.**

The effects of five different salinity levels were assessed on the freshwater snail *Physa gyrina*, survival rate based on mortality and reproduction based on production of jelly masses. Biofilm accumulation in recirculating aquaculture tanks can negatively affect fish health. The introduction of *Physa gyrina* to these aquaculture systems can significantly reduce biofilm. Snails were placed in treatments of typical salinity levels, 0ppt – 4ppt, in aquaculture systems normally dosed with salt.