

**FIRST FRIDAY – April 6, 2018 at the Ware Center**

**6:30 & 7:30 P.M.**

**Free Admission**

## **UNDERWATER WORLD OF RIVERLAND STREAMS or THE VIEW BELOW LANCASTER**

Lancaster Conservancy Presentation by Keith Williams [kwilliams@northbayadventure.org](mailto:kwilliams@northbayadventure.org)



We often perceive that there isn't much to see beneath the surface of our nation's freshwater rivers and streams, but once we look underwater, an amazing world appears. The underwater world of our rivers and streams is unexpected, largely unnoticed, and amazing! They are thriving aquatic communities, composed of subjects intimately tied to one another, and humans, through an aquatic matrix. Fish of incredibly diverse colors, shapes, and behaviors live in freshwater ecosystems. The streams themselves create other worldly, breathtaking streamscapes. Lancaster is

blessed with beautiful clear cold streams that cut through hemlock and rhododendron glades. They support underwater communities that are unexpected in a heavily farmed and developing landscape. This presentation will explore these Riverlands streams from beneath the surface, giving audiences the opportunity to witness incredible ecological feats such as thousand-mile fish migrations, predator-prey interactions, or the vibrant-colors of mating displays, and granting us new perspectives and reasons to care about the importance of clean water. The ways in which rivers, and the creatures that live in them, are woven into our cultural and natural heritage become apparent.

The lower Susquehanna valley is blessed with beautiful clear cold streams that cut through hemlock and rhododendron glades. They support underwater communities that are unexpected in a heavily farmed and developing landscape. In this presentation, underwater naturalist Keith Williams shares his adventures of exploring and discovering the underwater world of these Riverlands streams.

### **BIO**

Keith Williams is the founding Director of Education, and is the current Executive Director at NorthBay, one of the largest outdoor education programs in the U.S. He has a B.S. in Environmental Biology and M.S. in Ecological Teaching and Learning from the Lesley University Audubon Expedition Institute. Keith served on the Maryland Governors Environmental Literacy Working Group and he currently serves on the Maryland State Department of Education Gifted and Talented Education Advisory Board. He has developed river snorkeling based science curriculum, and established river snorkeling programs for non-profits and the U.S. Forest Service. Keith has led thousands of people on river snorkeling adventures. His first book on river snorkeling, "Snorkelhead, Adventures in Creek Snorkeling", was published in June 2016.