





# Stroud Study Impact of Sulfate on Mayflies

Water Resources Advisory Committee Feb. 18, 2015

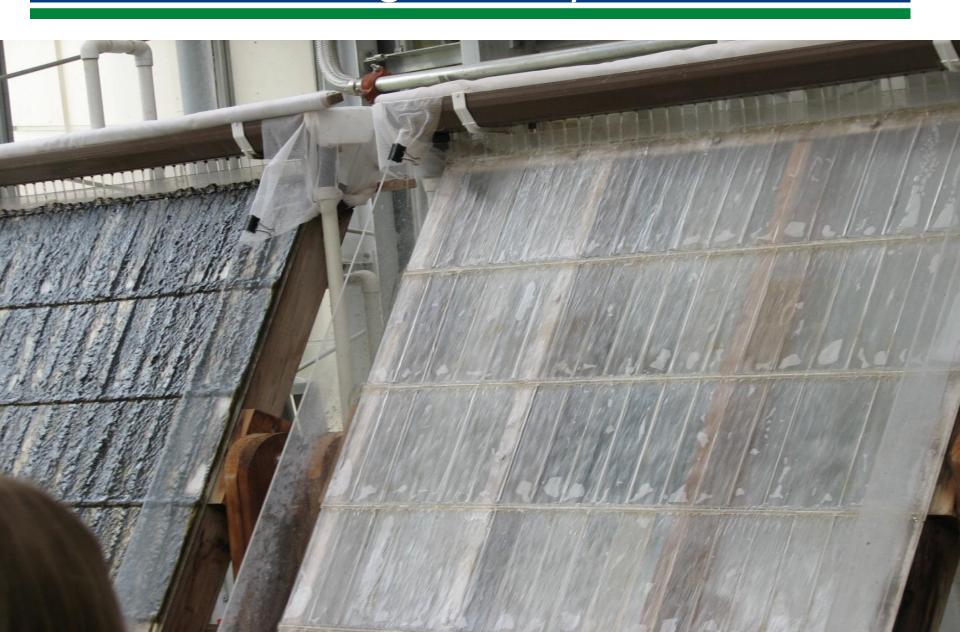
- PA DEP renewed its contract with Stroud Water Research Center. Renewed Contract expires 12-31-15.
- Stroud will conduct toxicological research to determine the impact of sulfate on mayflies.
- Very similar to work during the summer of 2014 concerning impact of chloride on mayflies.

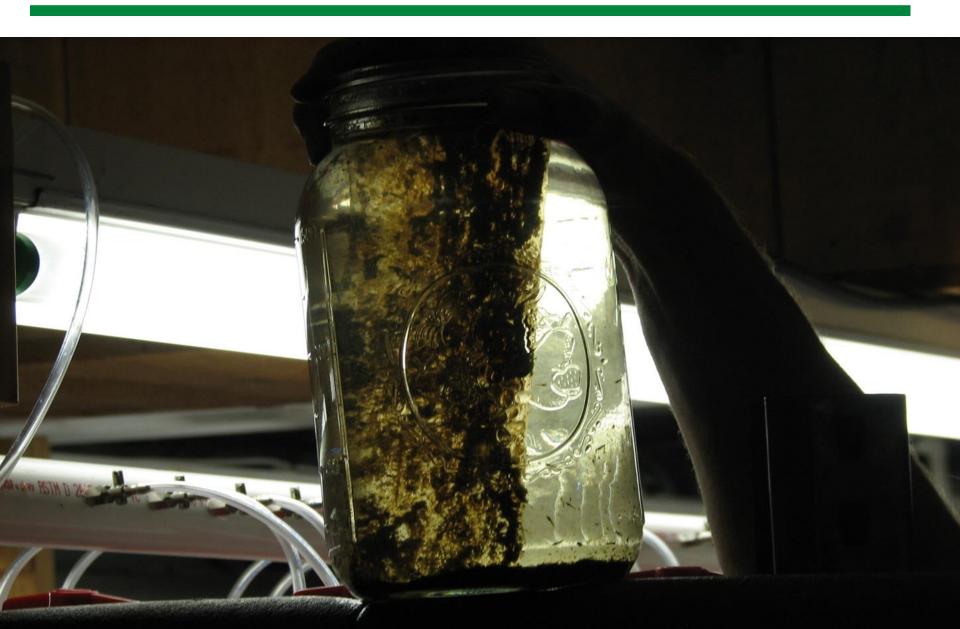
Stream	County	Hardness
Spruce Run	Union	Low
East Branch White Clay Creek	Chester	Medium
Cedar Run	Clinton	High



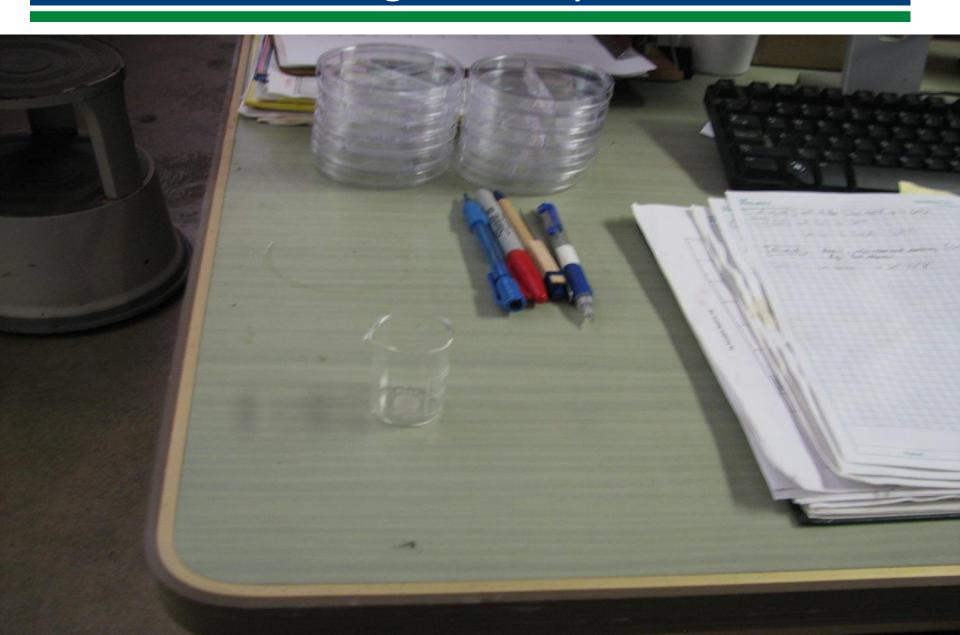
Species of Mayfly	Acute	Chronic
Centroptilum triangulifer	Yes	Yes
Centroptilum semirufum	Yes	Yes
Procloeon fragile	Yes	Yes
Ephemerella invaria	Yes	No
Leptophlebia cupida	Yes	No
Macaffertium modestum	Yes	No













#### **Questions?**

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