Subject: : Conservation
Topic: : Acid Rain and Un-surveyed streams
Re: Acid Rain and Un-surveyed streams
Author: : FarmerDave
Date: : 2013/8/19 11:07:20
URL:

Quote:

troutbert wrote:
Quote:

FarmerDave wrote:

It is pretty hard to ignore when the PH of a stream is CONSIDERABLY lower than the average PH of precipitation in the area.

I noticed that too. He says the pH of the rainfall in the area is about 5.0 and the ph of those streams is 4.7-4.8.

That is something that requires explanation.

I think he is simply wrong on his data about the pH of the rainfall.

http://www.dep.state.pa.us/dep/deputa ... acidrain/report/tab12.pdf

According to the DEP info for 2005, the state mean was pH 4.46, and for Kane, the closest monitoring site to these streams, the pH was 4.4.

So the rainfall is coming down at around pH 4.4. Because the geology is very infertile, it gets just a little buffering, which brings the stream water up to pH 4.7-4.8.

On other acid precipitation affected streams in the state, pH 4.7 - 4.8 is not unusual. And this includes areas with no history of coal mining or natural gas production.

Good points there Dwight, and you may be correct.

The authors assessment of the two tribs of Spring Creek are likely spot on and frankly his assessment of SE ANF is what I have been saying for years as well only I have been saying it about a much broader area. I would have at least expanded it to include Salmon Creek drainage and maybe Bluejay and Maple Creeks as well.

I'm not sure how we got off on the Millstone tangent, but all I am saying is that I believe Millstone (which he also mentioned) has additional issues besides low buffering. It is clearly worse than all streams around it and even has the appearance of other issues. I bet the mineral content on some of the Millstone tribs is not so low based only on the appearance.