

Subject: : Warm Water & Salt Water Fly-Fishing

Topic: : YOY Smallmouths: Susquehanna River - 2012

Re: YOY Smallmouths: Susquehanna River - 2012

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URL:

Yeah, Tim's stats don't come out. Consider (just making up numbers to make the point):

Year 1: 1000 YOY smallmouth bass, 10% disease rate among YOY fish. So we have 100 YOY diseased fish, and 900 YOY undiseased fish.

Now, both double, so:

Year 2: 2000 YOY smallmouth bass in the same area, 20% disease rate. So we now have 400 diseased fish, a full 4x as many as the previous year! But we also have 1600 undiseased YOY fish, which is still quite a bit better than the previous year. i.e. a net growth in overall undiseased population.

Of course, it can go the other way too, depending on actual numbers. And the two factors are probably somewhat independent, so it makes no difference on what you need to do from a management perspective. Just making the point that saying since both doubled, it's a wash, is NOT accurate.