Subject: : Tips and Tricks
Topic: : guesing width of small streams from maps
Re: guesing width of small streams from maps
Author: : pcray1231
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URL:

The whole first order vs. second order thing very much depends on your definition of "stream". Even first order streams usually have little rivlets flowing down into them. Those likely have seeps coming into them, etc... After a rain there are many more streams than there were before the rain. Does a 1st order become second order after a thunderstorm? lol.

Is the definition based on permanent vs. temporary?

As far as watershed area vs. catchment area, in MOST cases they are the same. There are exceptions, especially in limestone regions. There are regions which are not within the watershed, but are within the catchment of a stream. i.e. surface watershed vs. ground watershed is a way to think of it. There are places where the surface water and groundwater flow in opposite directions.

An example of this is Scotia Barrens SW of State College (SGL 176). The surface water flows SW into Spruce Creek, so it's in the Spruce Creek watershed. However, the water that enters the ground flows NE and emerges at Big Spring in Bellefonte, so it is in the Spring Creek catchment.