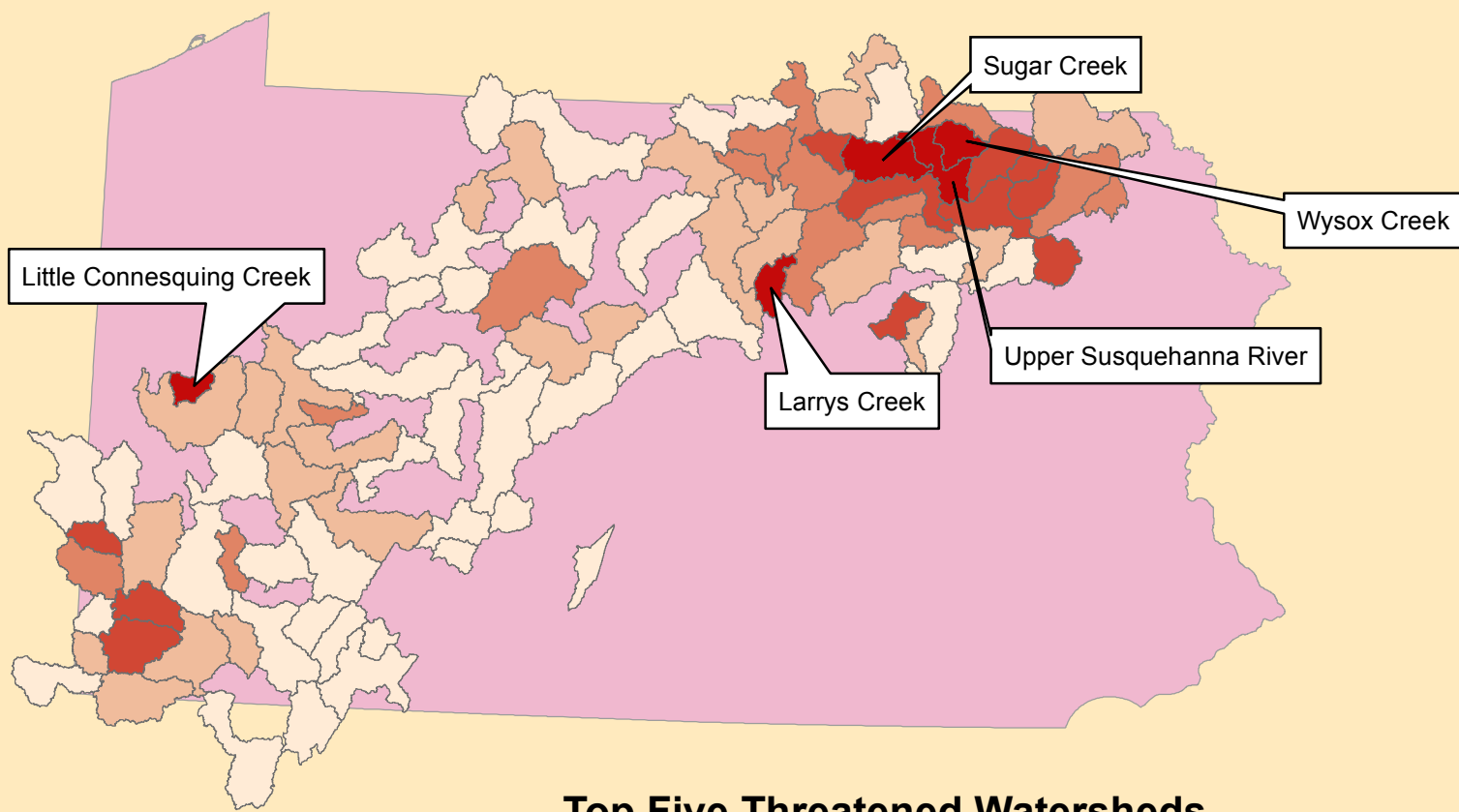
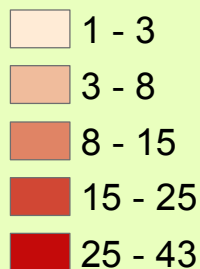


Marcellus Shale Drilling HotSpot Map: Six Month Projection of Drilling Impact October 2011 - March 2012



0 25 50 100 Miles

Permit Density per 100 Square Miles*



Top Five Threatened Watersheds

1. Little Connesquing Creek - 28 permits/65 sq.mi
2. Sugar Creek - 66 permits/188 sq.mi
3. Larrys Creek - 31 permits/89 sq.mi
4. Wysox Creek - 35 permits/102 sq.mi
5. Upper Susquehanna River - 48 permits/146 sq.mi

*Note: Projection is based on permits for new Marcellus Shale gas wells approved by the Pennsylvania Department of Environmental Protection between April 1-September 30, 2011. Wells drilled before October 1 were removed, leaving 1,141 approved wells that have not been drilled. SkyTruth predicts (based on past drilling histories) that the majority of these wells will be drilled between October 2011 - March 2012.

Chesapeake Bay Watershed



2010 Full Year Data:

Total Marcellus Permits Issued in PA : 3,249
Total Marcellus Wells Drilled in PA : 1,454



Date: 10/5/2011

Coordinate System: UTM Zone 18N

Datum: NAD 1983

Sourcet: PADEP - Bureau of Oil and Gas Management

http://www.dep.state.pa.us/dep/deputate/minres/oilgas/new_forms/marcellus/marcellus.htm

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