

illusion of legitimacy by making the package more appealing than the contents warrant. In addition, GIS reduces variation by providing lines of delineation between properties that are fuzzy in reality. Caution must be taken not to fall into the trap of allowing GIS to create black-and-white pictures of the impact of NPS pollutants upon the environment. Concomitantly, models, though intrinsic to the scientific method, should not supplant observation, but rather complement observation. Even though the misinterpretation and misuse of models may be an expected consequence of differences in the nature of the ventures of science and professional practice as pointed out by Philip (1991), the application of environmental models should augment and not replace actual observation regardless of the user.

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