

## OPENNSPECT: A TOOL FOR ESTIMATING IMPACTS OF LAND USE CHANGES

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OpenNSPECT is an open-source computer program that estimates changes in pollution and erosion due to land use change from management decisions or climate-driven changes. OpenNSPECT is a plug-in to the MapWindow open-source GIS system, which is also used by management tools such as EPA's BASINS. OpenNSPECT can estimate runoff, pollutant and sediment loads for individual storm events, but is best suited for making comparisons of the impacts of different land use or climate scenarios over annual time scales. We will demonstrate the full range of uses of OpenNSPECT, including how to process data for a user's own area of interest.