

The New England SPARROW Model is a GIS-based tool for estimating nitrogen (TN) and phosphorus (TP) levels in streams and watersheds (about 42,000 stream segments and their watersheds, averaging 3-4 sq. mile in size). The regional model is primarily intended to serve as a tool to states (and other interested parties) for developing nutrient TMDLs and nutrient criteria. Before opening the files posted below, please read [the Read-Me PDF](#), which describes the SPARROW data. An overview of New England SPARROW Nutrient Model is also available.

A report on the model (USGS Scientific Investigations Report 2004-5012, "Estimation of total nitrogen and phosphorus in New England streams using spatially referenced regression models," by R.B. Moore and others) is available at <http://pubs.water.usgs.gov/sir2004-5012>. Additional information on the model is available at <http://water.usgs.gov/nawqa/sparrow>

For more information about SPARROW, please contact

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