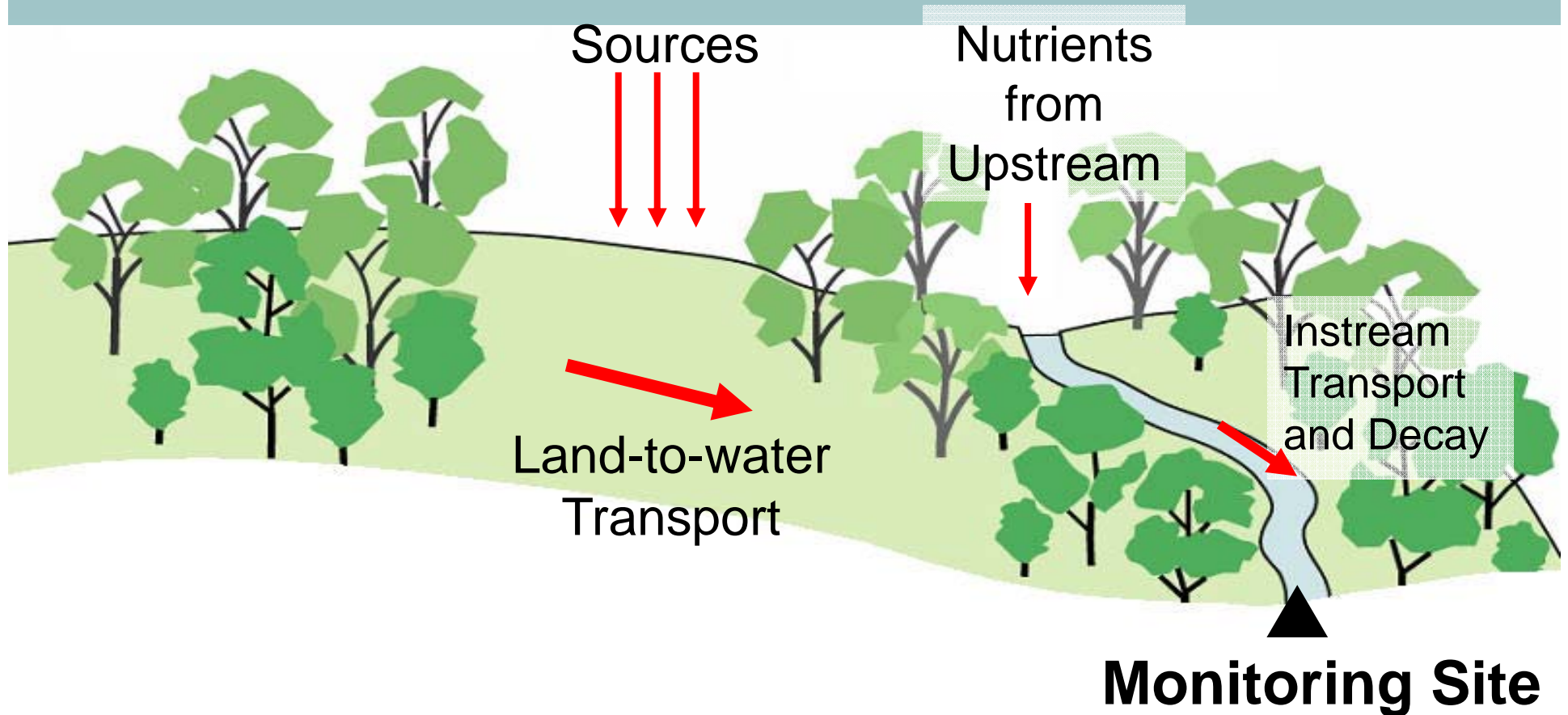




A Web-Based Tool for Evaluating Surface-Water Nutrient Conditions

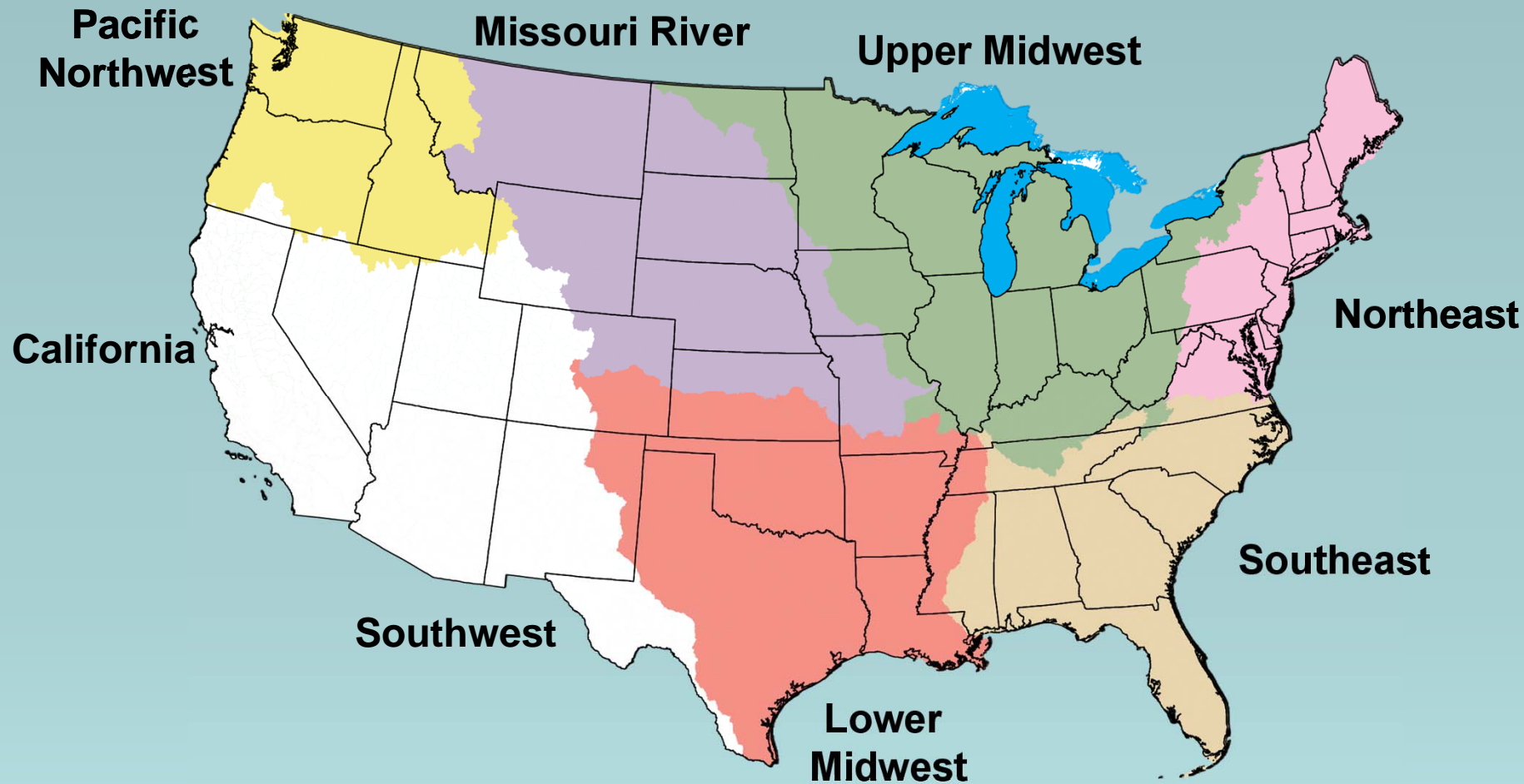
Daniel Wise, Hydrologist
US Geological Survey
Portland, OR

SPARROW Relates Monitoring Data to Information on Watershed Characteristics and Nutrient Sources



National Water Quality Assessment Program

Surface Water Status and Trends Regions



Decision Support System

USGS NAWQA: Regional SPARROW Model Assessments of Streams and Rivers - Windows Internet Explorer

http://water.usgs.gov/nawqa/sparrow/mrb/7.html

File » Convert Select

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USGS NAWQA: Regional SPARROW Model Assessmen...

Page Safety Tools

Surface-Water Nutrient Conditions and Sources in the United States Pacific Northwest

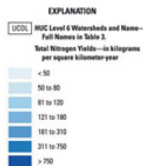
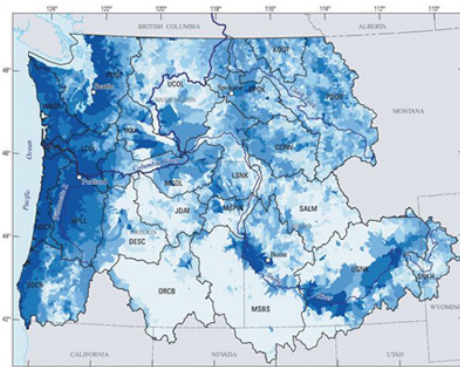
by Daniel R. Wise and Henry M. Johnson

[Article and supplemental material](#)

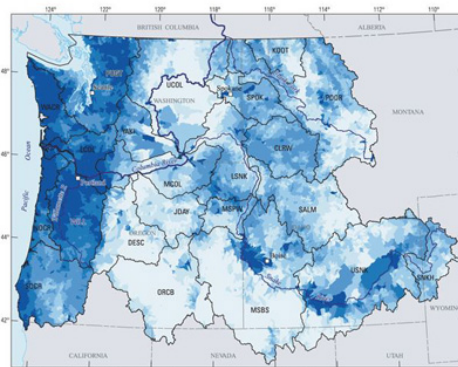
Online Decision Support System (Guidance Document)-- Informing Nutrient Management Decisions

The regional nitrogen and phosphorus SPARROW models have been incorporated into an interactive, online decision support system so water managers, researchers, and the general public can access SPARROW models and map predictions of long-term average water quality conditions, track transport to downstream receiving waters, and evaluate management source-reduction scenarios.

Total Nitrogen



Total Phosphorus



SPARROW Map Results

These interactive maps show

<http://water.usgs.gov/nawqa/sparrow/mrb/7.html>

Start evaluations... Mail - Inbox -... nhd_results wise_IWQW...

How can I get more information?



- SPARROW Information:

<http://water.usgs.gov/nawqa/sparrow/>

- PNW Regional Models:

<http://water.usgs.gov/nawqa/sparrow/mrb/7.html>

- Decision Support System

<http://water.usgs.gov/nawqa/sparrow/dss/>

- Contact:

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503-251-3213