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Algal Indicators in Streams: U.S. Environmental Protection Agency Paper Addressing Application in Water Quality Management of Nutrient Pollution

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The United States Environmental Protection Agency ("EPA") announced a paper titled:

Algal Indicators in Streams: A Review of their Application in Water Quality Management of Nutrient Pollution ("Paper")

The Paper's authors include:

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A focus of the Paper is the summarization of the application of algae as indicators of nutrient pollution in water quality management.

Two key focuses of the paper include:

- Description of the use of algal indicators to develop water quality diagnostics for nutrient pollution in the United States
- Review of scientific developments in the use and application of algal indicators across the world

The authors state that the paper is intended to serve as:

... a technical resource for the water quality manager/practitioner seeking to utilize algae to detect the presence of nutrient pollution and to estimate the risks of nutrient pollution in adversely affecting the condition of stream ecosystems.

The paper includes an analysis of 11 states with water quality programs that evaluate algae and which are characterized as "having substantial program integration, including incorporation of algal measures into criteria exploration or development."

A table is included which summarizes methods and applications used by these states.

[A link to the Paper can be found here.](#)