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# What's Wrong With the Water?



**How too many nutrients can lead  
to unhealthy rivers and lakes**

JUNE 2021



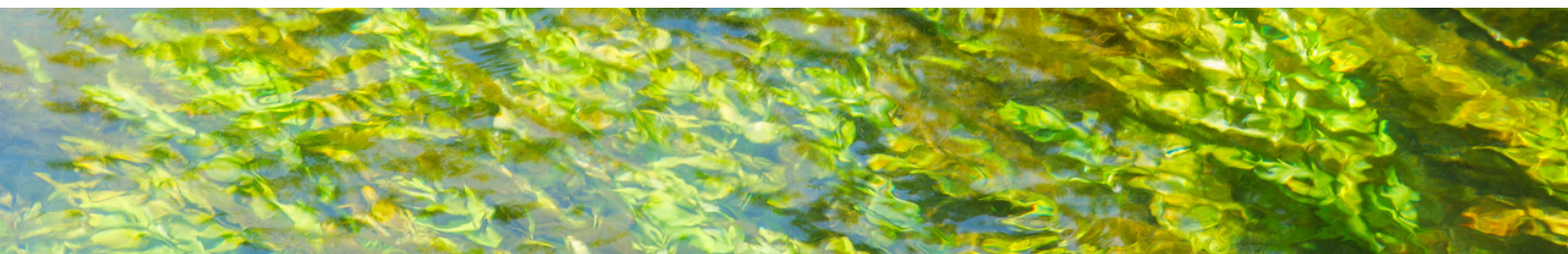
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# **What is nutrient pollution?**

Montana's waters face an ongoing, growing threat from nutrient pollution.

This pollution, in the form of excess nitrogen and phosphorus, enters waterways from fertilizers, animal manure, sewage treatment facilities, laundry detergents, stormwater runoff, and septic tanks.

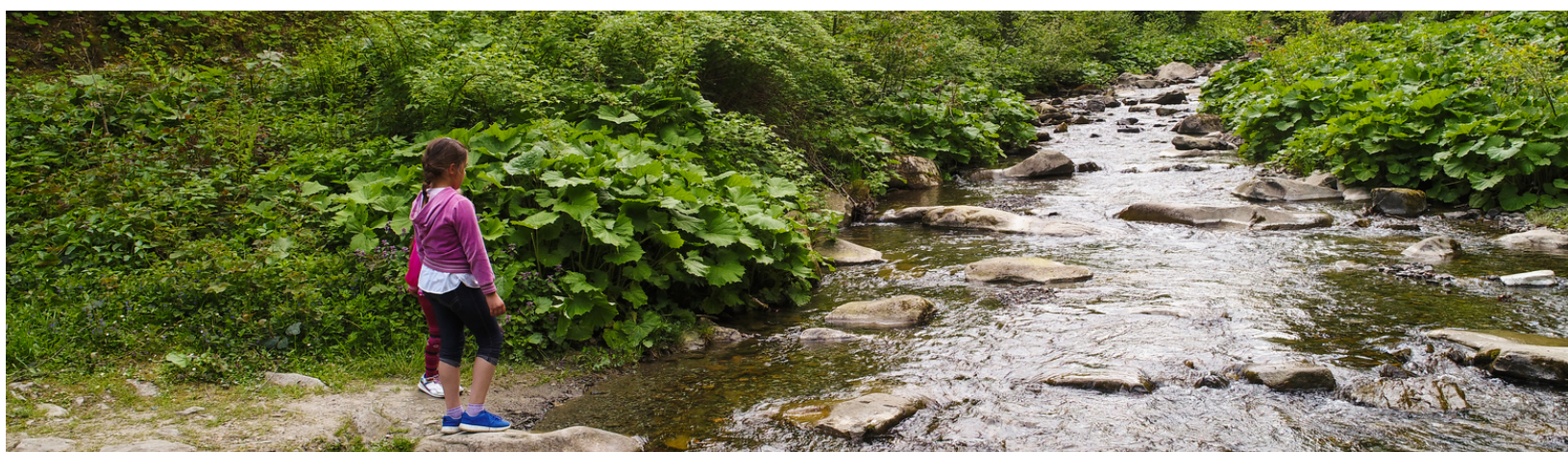
It can cause algal growth (algal blooms) that negatively impacts stream health and aquatic life, and has serious impacts to human health, especially infants and other vulnerable populations.





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# Protecting Montana's waters from nutrient pollution



Montana was one of the first states to adopt “numeric” nutrient pollution limits, the allowed numerical and measurable limit of pollution discharged into our rivers and streams.

In 2021, due to industry pressure, the Montana Legislature repealed these clear limits on pollution, and directed the Montana Department of Environmental Quality (DEQ) to draft implementation rules for the new law that includes “narrative” limits and an “adaptive management” approach to regulate these pollutants.

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While numeric standards are measured at the source of pollution and provide a specific standard that must be met, narrative standards are often site-specific, and determined based on biological and water quality monitoring and other assessment methods to establish whether a water is able to be used as intended (i.e. fishable, swimmable, drinkable, etc).

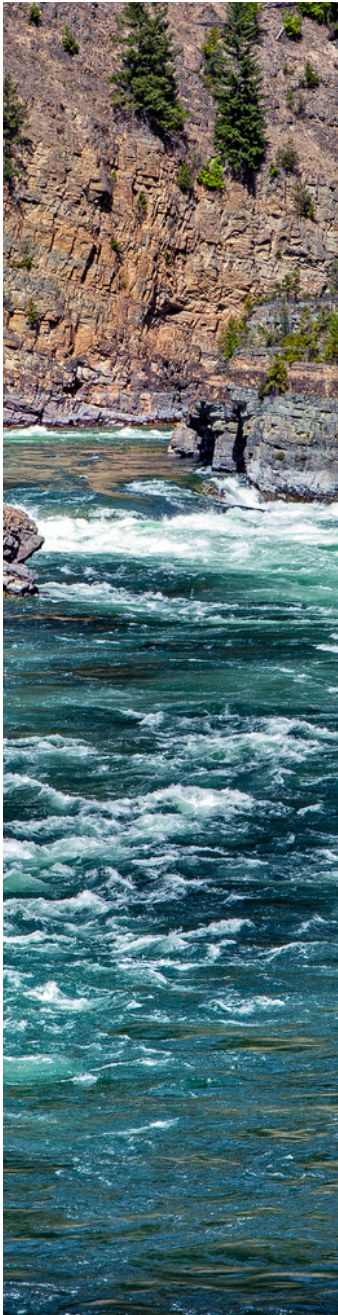
This narrative and adaptive management approach is a much more labor- and resource-intensive process than measuring numeric pollution at its source.



**Pollution  
prevention  
now can save  
money and  
lives in the long  
run.**

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## What's next?



DEQ has developed a set of proposed rules to implement the new narrative standards and adaptive management process.

Public comment about the proposed rules is open until February 8, 2022.

Find more info on DEQ's website:

<http://deq.mt.gov/water/resources/nutrientworkgroup>

You can watch an informational video and find more information on our website: <https://meic.org/nutrients-in-our-water/>

### 2022 DEQ Nutrient Work Group virtual meetings:

Feb. 9	March 23	May 11
Feb. 23	April 13	May 25
March 9	April 27	

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## **In order to protect Montana waters, the DEQ rules must follow these guidelines:**

### **1. The rules cannot allow backsliding.**

Rules can't allow (or incentivize) increased pollution in our waters, restricting how we are able to safely interact with our healthy waters.

### **2. The rules must address nitrogen as well as phosphorus.**

The new law prioritizes minimizing phosphorus. Nitrogen is the strongest driver of nutrient pollution in Montana waters, so it must also be considered.

### **3. The rules must require the best available water treatment technology.**

Montana should be informed and learn from other jurisdictions using proven technologies.

### **4. The rules must include a robust scientific process defining watershed baseline conditions.**

In order for narrative methods to be effective, the DEQ must have robust data on water quality before industrial activity occurred, as well as measurements over time and an analysis of existing point source (i.e. water treatment facility discharge points) vs non-point source (i.e. agricultural runoff) causes of pollution.

### **5. The DEQ needs to fund nutrient pollution protections adequately.**

DEQ must seek additional funding sources to adequately staff the rulemaking process and implementation of narrative standards because the legislature did not.