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Importance of headwater streams in securing freshwater resources described				F	PLANTS & ANIMALS					
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know that these streams, which are so small that it takes little ef-

fort to jump across them, exert a critical influence on downstream

portions of the river networks. Unfortunately, the importance of

- > Logging
- Surface runoff >
- > Plankton
- > Biodiversity hotspot

https://www.sciencedaily.com/releases/2017/08/170807112846.htm

Strange & Offbeat

PLANTS & ANIMALS

- > Jet stream
- > Rain
- > Floodplain

headwaters relative to other portions of a river network has often been overlooked which means that they lack the legal protections accorded to other portions of a river network.

In her article, Wohl draws attention to the fact that the scientific understanding of headwater streams is incomplete and she highlights a number of areas where research is needed. For instance, improved mapping, especially in determining the location of firstorder channels is necessary. Also, a better understanding of resistance and resilience especially in response to natural and humaninduced disturbances. Improvements in assessing impacts from human alterations to land use and climate, and creating complete species inventories to understand biodiversity and the ecological resilience. Further topics are addressed in detail in the review.

"Because headwater streams are so widespread and can be difficult to recognize, people outside the community of river scientists are less likely to consider these small channels worthy of protection or to be actively hostile to the idea of extending regulatory authority to headwater streams," says Wohl. "As one of my colleagues put it, you would not expect a forest to remain healthy if you removed all of the leaves from every tree. So we cannot expect our freshwater resources to remain vital if we destroy much of the functioning of headwater streams."

Story Source:

Materials provided by **Springer**. *Note: Content may be edited for style and length.*

Journal Reference:

 Ellen Wohl. The significance of small streams. Frontiers of Earth Science, 2017; 11 (3): 447 DOI: 10.1007/s11707-017-0647-y

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