

# The Effects of Agricultural Runoff on Freshwater Ecosystems

**Avery Jones**  
PhD  
Lund University  
Paradisgatan 2, 223 50 Lund, Sweden

**Morgan Hall**  
Dr.  
Middle East Technical University  
Dumlupinar Boulevard No:1, 06800 Çankaya/Ankara, Turkey

**Pat Taylor**  
Prof.  
University of Malaya  
50603 Kuala Lumpur, Malaysia

**Abstract.** This article examines the effects of agricultural runoff on freshwater ecosystems, focusing on nutrient pollution and eutrophication. It analyzes the impact of runoff on water quality and aquatic life, emphasizing the need for sustainable agricultural practices to protect freshwater resources.

**Keywords:** Agricultural Runoff, Freshwater Ecosystems, Nutrient Pollution, Eutrophication, Water Quality

## Introduction

Agricultural runoff is a major source of nutrient pollution, leading to eutrophication and degradation of freshwater ecosystems. This article investigates the effects of runoff on water quality and aquatic life, with a focus on nutrient loading and its consequences. By examining case studies and current research, we highlight the importance of adopting sustainable agricultural practices to mitigate the impacts of runoff. Our study provides valuable insights for policymakers and practitioners seeking to protect freshwater resources and promote environmental sustainability.

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## References

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