

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Assessment of Septic Leachate: A Survey of Lake McDonald, Glacier National Park

Type of Project: Technical assistance

Discipline: Natural

Funding Agency: National Park Service

Other Partners/Cooperators: University of Montana

Effective Dates: 3/1/2006 - 12/30/2007

Funding Amount: \$40,000

Investigators and Agency Representative:

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Project Abstract:

Cooperators at University of Montana will work with Glacier National Park to determine the sites of septic leachate due to cabins, campgrounds and other human activities around Lake McDonald. The methods to be used to determine nutrient flux into the lake include: (1) fluorometry survey with nutrient analysis, (2) biomonitoring assessment using periphyton growth and composition, and (3) remote sensing with hyperspectral imaging.

Outcomes with Completion Dates:

Due February 14, 2007: Draft final report for review

Due March 30, 2007: Final report in hard copy and electronic form, with all data and imagery in NPS standard format. This report should include the information from the fluorescent dye study added as "pro bono" study.

Keywords: Lake McDonald, septic leachate, Glacier NP, remote sensing, University of Montana

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: