Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Lake Clark National Park and Preserve, Fisheries Population Assessments

Type of Project: Research

Funding Agency: National Park Service

Other Partners/Cooperators:

Effective Dates: August 1, 2003 – August 1, 2004

Funding Amount: $14,000

Investigators and Agency Representative:

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INVESTIGATOR: Ryan Kreiner, Graduate Student, email:curlbo5280@hotmail.

Project Abstract:

A Masters level student (Ryan Kreiner, University of Idaho) will assist with data collection, analysis and the final report. The focus will be on contemporary resident fish species from selected sites within Lake Clark National Park and Preserve. Contemporary results will be compared to historic data and to relative abundance of salmon. Specifically, resident species will be sampled from selected areas of the Newhalen River, Tazimina Lakes and River, Lake Clark, the Kijik watershed, Kontrashibuna Lake and Telaquona Lake regions in Lake Clark National Park. Sites will be selected based on their likelihood of use by subsistence fishers or for their usefulness as a control, e.g. Tazimina and Kontrashibuna Lakes are inaccessible to salmon and therefore resident species should not be affected by the change in relative salmon abundance. Methods will replicate Russell (1980) to facilitate comparison, while salmon abundance will be determined from escapement monitoring studies in the system and through ongoing salmon isotope studies. This information will allow managers to assess resident species population health, species composition, age and size structure, and relative abundance and will provide a springboard from which to design more detailed abundance assessments. These data are critical for subsistence managers in order to ensure sustainable harvest patterns and populations viability.

Outcomes with completion dates: Two progress reports and a final technical report in draft and final form shall be required to fulfill this agreement. In addition, the student will complete a brief Investigator's Annual Report Form during each year of the study that will be reviewed by the principal investigator prior to submission. This form will be provided annually through the Park staff.
A detailed study plan will be submitted prior to the onset of the 2004 field season. A draft final report will be submitted to the NPS for review and comment by February 1, 2005. A final report suitable for distribution will be submitted by April 1, 2005

Keywords: Lake Clark National Park and Preserve, fisheries, salmon

For Administrative use only:
Date Annual Report Received:
Date Final Report Received:
Publications, etc. on file: