

**Project Summary**  
**Rocky Mountains Cooperative Ecosystem Studies Unit**

<b>Project Title:</b> Lead Isotope and Trace Element Analysis of Nineteenth Century Lead Artifacts recovered from Lewis & Clark, Hudson's Bay Company, and U.S. Army sites of the Pacific Northwest - Continuation of UMT 70
<b>Type of Project:</b> Technical Assistance
<b>Funding Agency:</b> National Park Service, Pacific Northwest CESU
<b>Other Partners/Cooperators:</b> University of Montana
<b>Effective Dates:</b> August 1, 2003 - September 30, 2006
<b>Funding Amount:</b> \$2,875.00
<b>Investigators and Agency Representative:</b> Park Contact: Robert Cromwell, Archaeologist, Fort Vancouver National Historic Site, Vancouver, WA 98660 (360) 696-7659 x 23, <a href="mailto:Bob_Cromwell@nps.gov">Bob_Cromwell@nps.gov</a>  Principal Investigator: Dr. John Douglas, Anthropology Department, University of Montana, Missoula, MT 59812 (406) 243-4246, <a href="mailto:John.Douglas@umontana.edu">John.Douglas@umontana.edu</a> and Jamie Lockman, University of Montana.
<b>Project Abstract:</b> This project is the second year of this project between Fort Vancouver NHS and University of Montana. The final report will include a database of lead isotope and trace element samples to evaluate historical artifacts recovered at Travelers Rest National Historic Landmark. There will be a Masters thesis produced incorporating these data. One of the primary questions addressed is the possibility that the artifacts from Travelers Rest could have been material carried by the Lewis and Clark Corps of Discovery expedition members.
<b>Outcomes with completion dates:</b> 1) Copies of lead isotope and trace element analysis results of analyzed lead artifacts from Geochron of Cambridge Massachusetts and the Trace Element Analysis Lab at Dartmouth; 2) an interim report (due August 1, 2004) including: a synopsis of the historical background of the sites and archaeology involved in this research, applicable research questions and hypotheses to be tested by this research, the results of the lead isotope and trace element analysis, and suggested statistical applications to these data; and 3) a completed Master's thesis based upon the results of this analysis.
<b>Keywords:</b> Travelers Rest National Historic Landmark, University of Montana, trace elements, lead isotope, Lewis and Clark Corps of Discovery, anthropology
<b><i>For Administrative use only:</i></b> <i>Date Annual Report Received:</i> <i>Date Final Report Received:</i> <i>Publications, etc. on file:</i>