

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

<b>Project Title:</b> Taxonomic Consistency in Biological Assessment Developing A Web-based Identification Guide and Ecological Resource for Diatoms of Western North America
<b>Type of Project:</b> Technical Assistance
<b>Project Discipline:</b> Natural
<b>Funding Agency:</b> USGS
<b>Other Partners/Cooperators:</b>
<b>Effective Dates:</b> April 11, 2007 – September 30, 2008
<b>Funding Amount:</b> \$63,899.00
<b>Investigators and Agency Representative:</b>  David Lubinski, INSTAAR, University of Colorado at Boulder, phone: 492-5075; email: <a href="mailto:David.Lubinski@colorado.edu">David.Lubinski@colorado.edu</a>
<b>Project Abstract:</b>  Goals and Objectives: <ol style="list-style-type: none"><li>1. Develop a taxonomic and ecological resource for use by taxonomist, ecologist and government agencies. This project will include a priority of the 150 most valuable indicator diatom taxa from the approximately 800 diatom species in western Environmental Monitoring and Assessment Program (EMAP). The PI will assist in the assembly of systematic information for each taxon, including morphological range, microscope images, original description, nomenclatural transfers, geographic distribution and ecological tolerances; and</li><li>2. Design and program web site and contribute heavily to its ecological research components, including multivariate statistical analysis of the complex relationships between diatom species and their environment.</li></ol>
<b>Outcomes with completion dates (reports, publications, workshops, videos, etc.):</b>  Final Technical Report due 9/30/08
<b>Keywords:</b> web-based guide, diatoms, western North America