

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

<b>Project Title:</b> Non-native Plants Survey of the Greater Yellowstone Inventory and Monitoring Network (GRYE) - Year 1
<b>Type of Project:</b> Research
<b>Funding Agency:</b> National Park Service
<b>Effective Dates:</b> June 3, 2002 - December 30, 2003
<b>Funding Amount:</b> \$51,099
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<b>Project Abstract:</b> The Greater Yellowstone Network (GRYE) Biological Inventory Program is supporting an exotic plant inventory program to acquire baseline information on distribution and abundance of selected non-native plant species which are of management concern (noxious and others) in targeted areas of Yellowstone National Park (YELL). Faculty and students from the Department of Land Resources and Environmental Studies at MSU Bozeman will perform systematic surveys for exotic plant species within selected areas of the northern range of Yellowstone National Park Objectives 2002: <ul style="list-style-type: none"><li>➤ Further refine the MSU sampling methodology by applying it to a broader geographic region of YELL.</li><li>➤ Complete the first year of a three-year program of exotic plant mapping that will provide information on invasive plants within YELL northern range, and to adequately capture information on environmental factors that contribute to the distribution and abundance of these plants.</li><li>➤ Gather distribution and abundance data on a greater number of exotic species of interest to YELL resource managers.</li><li>➤ Provide information to support a network-wide workshop to adaptively plan successive years sampling efforts.</li></ul>
<b>Outcomes with completion dates:</b> Final report for summer 02 field work Electronic data compatible with NPS databases Arcview GIS themes Voucher specimen
<b>Keywords:</b> Greater Yellowstone Network Biological Inventory Program, Yellowstone National Park, exotic plants, non-native plants, weed surveys
<b><u>For Administrative use only:</u></b> <i>Date Annual Report Received:</i>  <i>Date Final Report Received:</i>  <i>Publications, etc. on file:</i>