

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Seeps and Spring Monitoring Plan for Bighorn Canyon National Recreation Area
Type of Project: Technical Assistance
Funding Agency: National Park Service
Other Partners/Cooperators: Montana State University
Effective Dates: April 1, 2004 - May 1, 2006
Funding Amount: \$57,500
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<p>Project Abstract: Desert seeps and springs in Bighorn Canyon National Recreation Area (BICA) are given a high priority for long-term monitoring in the Greater Yellowstone Network's Vital Signs Monitoring Program. The purpose of this project is to develop a long term monitoring plan following the steps described in the Vital Signs Monitoring Plan, Phase II Report. To come up with monitoring protocols we need to understand key linkages between seep and spring hydrology and ecosystem function and to determine appropriate indicators that can be monitored over time and that will contribute to the detection of long-term trends. Thus, the development of specific seep and spring monitoring objectives and protocols will have an important place in the vital signs monitoring program.</p>
<p>Outcomes with completion dates: Products due May 1, 2006:</p> <ol style="list-style-type: none"> 1. Outline of protocol narrative with a short description of each major section of outline, and recommended Standard Operating Procedures. 2. Synthesis report documenting threats to seeps and springs in BICA. 3. Conceptual models. 4. Draft monitoring objectives that are tied to known or predicted issues and threats. 5. Standard operating procedures that describe the field methods e.g. to assess the temporal variability of hydrology and associated vegetation of seeps and spring. 6. Standard operating procedures for data analysis and reporting. 7. Data and metadata
<p>Keywords: desert seeps and springs, Bighorn Canyon Recreation Area, Greater Yellowstone I&M Network, Vital Signs Monitoring Program, monitoring protocols</p>
<p><u>For Administrative use only:</u> Date Annual Report Received: Date Final Report Received: Publications, etc. on file:</p>