

# Greater Yellowstone Coordinating Committee

## Project Completion Report

FY 2008

<b>Unit:</b> Greater Yellowstone Coordinating Committee, Whitebark Pine Subcommittee
<b>Project Name:</b> Greater Yellowstone Area (GYA) Whitebark Pine Map and Risk Assessment
<b>Project Description:</b> <ol style="list-style-type: none"><li>1. Compile existing whitebark pine inventory/monitoring data, most recent vegetation maps, and other information needed to derive a consistent classification and map of whitebark pine across the GYA.</li><li>2. Based on the classification, map, and other information, develop risk categories for whitebark pine within the Greater Yellowstone Area.</li><li>3. Utilize the risk map and other unit specific considerations (like access) to identify and prioritize whitebark pine restoration sites throughout the GYA.</li></ol>
<b>GYCC Funding Received:</b> \$10,000 <b>Partner Funding/In-Kind Received:</b> \$60,400
<b>Status of the Project:</b> <p>The GYCC whitebark subcommittee has defined a classification for whitebark pine cover types, size class, and canopy class that is consistent across all units. The classification forms the basis for the creation of the whitebark pine map. The source data, current existing vegetation maps, varied by agency and unit in terms of vegetation classification or attributes, map accuracy, and age of the data. These varied data were combined to create a spatial data set of the current extent of whitebark pine within the GYA.</p> <p>Completed tasks include:</p> <ol style="list-style-type: none"><li>1. The identification of desired attributes for whitebark stand type, canopy cover, and size class.</li><li>2. The collection of existing vegetation layers from all National Parks and Forests.</li><li>3. The development of cross walks between existing data sets and the above mentioned desired map attributes.</li><li>4. <i>In progress:</i> First draft was distributed Oct 24, 2008 for review by the GYCC whitebark pine subcommittee.</li></ol> <p>Remaining tasks include:</p> <ol style="list-style-type: none"><li>1. Incorporation of necessary changes from above review.</li><li>2. Compile other GIS data for risk assessment for mountain pine beetle and blister rust.</li><li>3. Assess risk data and develop risk categories.</li><li>4. Incorporate conifer change/whitebark mortality map layers from the USDA Remote Sensing Applications Center (to be completed by January 2009).</li><li>5. Prioritize whitebark pine restoration needs, sites, and opportunities.</li></ol>
<b>Products that can be shared across the GYA: (GIS data layers, maps, new protocols and methods)</b> <p>An ArcGIS map layer and geo-spatial database with associated attributes for cover type, size class, and canopy cover illustrating the current distribution and condition of whitebark pine within the Greater Yellowstone Area.</p>
<b>Project results: (Information worth sharing on methods, results, partnerships, etc)</b>

*Note: You may expand and reduce size of blocks.*

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**Report Date:** December 16, 2008

**Submit to** Virginia Kelly: [vkelly@fs.fed.us](mailto:vkelly@fs.fed.us) 406-587-6704. Contact Virginia with questions.