

# Greater Yellowstone Coordinating Committee

## Project Completion Report

FY 2007

<b>Unit: Shoshone National Forest</b>
<b>Project Name: Historic, Current Yellowstone Cutthroat Trout (YSC) and Current Non-native Fish GIS Stream and Lake Mapping Project</b>
<b>Project Description:</b> The Forest used the Interstate Range wide Mapping Project to determine the Historic and Current Distribution of YSC. There are significant amounts of streams that either did not have YSC or do not today. In order to determine where all fish currently exist including natives and non-natives we linked the Forest Stream and Lake layers to the Wyoming Game & Fish (G&F) stream and lake fish populations databases by using the G&F stream and lake code. We were also able to resolve how far upstream non – YSC fish were distributed by using stream gradient, minimum miles estimates, recent surveys and professional judgment. As a result, we are now able to accurately determine current fish present for all fish species. This product has become invaluable for fish distribution work at the project and large scale (Forest) levels.
<b>GYCC Funding Received: \$9.0k</b> <b>Partner Funding/In-Kind Received: \$9.0k</b>
<b>Status of the Project:</b> Final mapping project completed. Review with WY G&F to validate scheduled for this spring.
<b>Products that can be shared across the GYA: (GIS data layers, maps, new protocols and methods)</b> Ability to map current, historic stream and lake fish distribution for all fish species at the Forest, project and stream reach level. Could be use with other Forests, states at the GYA level to determine fish distribution for all species.
<b>Project results: (Information worth sharing on methods, results, partnerships, etc)</b> We now have the ability to determine historic and current distribution for YSC and other fish species at the stream reach and Forest level.
<b>Project contact:</b> (include phone number, email) Ray Zubik, Shoshone National Forest Aquatic Biologist, 307 578-5160, rzubik@fs.fed.us
<b>Report Date: 1/31/08</b>
<b>Submit to Virginia Kelly:</b> <a href="mailto:vkelly@fs.fed.us">vkelly@fs.fed.us</a> 406-587-6704. Contact Virginia with questions.

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