**PROJECT TITLE:** Improving pollinator conservation by revealing habitat needs

**Additional component F. Project Manager Qualifications and Organization Description**

**Colleen Satyshur**: is a principal investigator at the University of Minnesota. For the past five years Colleen has been investigating stem- and wood-nesting bees as a Project Coordinator in the College of Biological Sciences, working closely with the UMN Bee Lab. She has designed, implemented, and completed research on stem-nesting bees and grassland insect populations. Colleen has worked on three LCCMR projects -- Wildlife and Biofuels, Enhancing Pollinator Landscapes, and Minnesota Bee Atlas. She works as Principal Investigator for the Minnesota Futures Pollinator Project and as Entomologist on the MN Bee Atlas. Her work spans project management, scientific design, logistical implementation, laboratory management, data collection, and dissemination of results. On the present proposal she will act as principal investigator as well as entomologist and will hire one or more project personnel to coordinators with the public, bee rearing specialists, molecular analysts, and other necessary operations.

**Britt Forsberg**, current project coordinator and outreach specialist of MN Bee Atlas working in UMN Extension. She will contribute her expertise in this area either as project personnel or in an advisory role.

**Erin Treiber**: has a PhD in plant genetics and currently working on the MN Futures grant as molecular biologist post-doc under Dr. Marla Spivak in the Entomology Department of the University of Minnesota. She has expertise and institutional knowledge of genetic sequencing techniques proposed in this project. She helped develop these methods as part of her work for the MN Future’s grant and will contribute her expertise in this area in an advisory role.

**Drs.** **Rob Blair, Dan Cariveau and Marla Spivak** will provide advice on citizen science and bee science as needed and the MN Bee Lab will provide lab space for molecular work.

**Dr. Clarence Lehman** will provide advice and assistance on data management and archiving and provide laboratory bench and nest rearing space in the Ecology building.

We will work with a web designer (such as **Amy Witty,** current web designer of UMN Bee Atlas) and as needed seek relationships with resin analysis specialists (such as **Dr. Mike Wilson,** former student of Marla Spivak), Bell Museum, and UMN Extension, MN DNR (such as **Megan Benag**e a Regional Ecologist in MNDNR Ecological and Water Resources Division). We will collaborate with MN Master Naturalist and state SNA programs and other citizen or volunteer organizations

**Organization Description:** This project is a collaboration of entities with strengths in bee sampling and surveys (UMN Bee Lab); citizen science (MN Bee Atlas); volunteer recruitment and training (Minnesota Master Naturalist); outreach (UMN Extension, Bell Museum). This project will be managed by University of Minnesota Bee Lab and Ecology, Evolution and Behavior Department and formally housed in the Bee Lab and Bell Museum of Natural History as appropriate. Volunteers will be recruited heavily from the Minnesota Master Naturalist Program as well as other insect-oriented citizen groups. Technical support will be from Dr. Marla Spivak and Dr. Dan Cariveau’s Bee Lab.