

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Integrated Pest Management Plan and Educational Powerpoint for Bent's Old Fort: Focus on Invertebrate Pests

Discipline: Interdisciplinary

Type of Project: Technical Assistance and Education

Funding Agency: National Park Service

Other Partners/Cooperators: Colorado State University

Effective Dates: 6/1/2006-12/31/2007

Funding Amount: \$4,818

Investigators and Agency Representative:

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Investigator: Dr. Boris Kondratieff, Professor of Entomology and Curator, Colorado State University, Department of Bioagricultural Sciences and Pest Management Fort Collins, CO 80523, (970)-491-7314, boris.kondratieff@colostate.edu

Project Abstract:

The purpose of this project is three-fold:

- Review the 1st draft of an Integrated Pest Management Plan (IPM) at Bent's Old Fort National Historic Site (BEOL) & revise to reflect resulting recommendations.
- Identify invertebrate pests of barn swallow nests in the fort plaza: identify museum pests found on sticky traps in the museum collection, such as dermestid beetles, and other arthropods: and identify pests from natural resource traps which will include but may not be limited to: house flies, manure flies, deer flies, bees, wasps and yellow jackets, spiders, and Rocky Mountain wood ticks.
- Produce a Powerpoint CD presentation on invertebrate pest species that can be harmful to visitors and staff in order to train seasonals and permanent staff to recognize common pests at Bent's Old Fort. Include identification points and low-risk management methods.

Outcomes with Completion Dates:

- Identification of invertebrate species included in Bent's Old Fort National Historic Site IPM Plan
- Comments and edits on 1st draft of IPM plan section on invertebrate species
- If applicable, chemical control project, vendor and applicator information
- One-day training on insect collection methods.
- Identification Powerpoint containing photos and identification keys to common pest species.
- 1 master CD copy of the powerpoint and final report and three viewing copies provided to the NPS (BEOL master and 1 copy), CSU 1 copy, RM-CESU 1 copy)
- Associated project materials (field notes, drafts, photographs, electronic records) submitted to BEOL key official.

Keywords: Integrated Pest Management, insect pests, training in insect identification, Bent's Old Fort NHS, Colorado State University

For Administrative Use Only:

Date Annual Report Received:

Date Final Report Received:

Publications, etc. on file: