

Project Information for the Combined ATBI Auchenorrhyncha and ATBI Pilot Study Projects

Project Details

Principal Investigator: Dr. Chris H. Dietrich

Project Description: Inventory of the Hemipteran suborder Auchenorrhyncha

Project Dates: **Start Date:** 1/1/2009 **End Date:** 12/31/2009

Protocol:

Project Notes:

Summary: Co-PI James Zahniser spent one week collecting in GSMNP in August, 2009. These specimens were brought back to INHS, and prepared along with specimens from two sites of backlog material from previous ATBI collections. About 500 specimens were prepared (pinned, labeled, abdomens dissected) and identified. Sixty-nine species of leafhoppers were identified.

Principal Investigator: Dr. Charles R. Parker

Project Description: Pilot Study Sampling effort

Project Dates: **Start Date:** 10/1/2000 **End Date:** 5/31/2003

Protocol: See Literature References for details.

Project Notes: 3455 collections (376 Lindgren Funnel traps, 907 Malaise traps, 2172 pitfall traps) were made at the 11 plots. Not all specimens collected have been identified thus far, with notable delays in the Lepidoptera, Diptera, and Hymenoptera, the majority of which have not been examined. 2519 taxa have been recorded, including spiders (66 species), roaches (7), beetles (878), flies (260), springtails (167), mayflies (2), bugs (234), ants, bees, and sawflies (483), moths (127), mantids (2), fishflies (3), lacewings (31), harvestmen (31), grasshoppers, katydids, etc. (51), walkingsticks (1), stoneflies (63), snails (57), and caddisflies (70). Refer to the Literature References for details.

Summary: A pilot study to explore techniques for the structured sampling component of the ATBI Science Plan. Eleven 1-ha plots were established having an identical set-up of multiple traps and sampled on an approximate schedule of every two weeks year round.

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Data Summary

Data Collection Year(s):

Number of Sites Sampled:	9
Number of Samplings:	10
Number of Orders Identified:	1
Number of Families Identified:	1
Number of Genera Identified:	24
Number of Species Identified:	64
Number of Specimens Identified to Species:	101
Number of Specimens not Identified to Species:	4
Total Number of Individuals Counted (actual or estimated):	316
Percentage of Major Watersheds Sampled:	14 %