

Project Information for Multiple Projects

Project Details

Project Name: ATBI Pilot Study

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.

Project Name: ATBI Trap Test

Principal Investigator: Dr. Charles R. Parker

Project Description:

Project Dates: **Start Date:** **End Date:**

Protocol:

Project Notes:

Summary:

Project Details

Project Name: Psychodid Fly Survey

Principal Investigator: Dr. Greg Curler

Project Description: ATBI Psychodidae family Diptera collections.

Project Dates: **Start Date:** 6/1/2007 **End Date:**

Protocol: Flies were collected during 2007 and 2009 by CDC traps, sweep netting and aspirating. In addition, psychodids were sorted from ATBI pilot study and trap test samples and identified.

Project Notes:

Summary: As part of the All Taxa Biodiversity Inventory, an on-going survey of Psychodidae was conducted in Great Smoky Mountains National Park (GRSM). Taxa recorded during this survey (including 1 new genus record, 5 new species records and 2 undescribed species) were added to the list of taxa recorded during the previous survey for a total of 3 subfamilies, 20 genera and 53 species of Psychodidae.

Data Summary

Data Collection Year(s):

Number of Sites Sampled:	10
Number of Samplings:	28
Number of Orders Identified:	1
Number of Families Identified:	1
Number of Genera Identified:	16
Number of Species Identified:	22
Number of Specimens Identified to Species:	112
Number of Specimens not Identified to Species:	18
Total Number of Individuals Counted (actual or estimated):	1480
Percentage of Major Watersheds Sampled:	12 %