



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

OMB # 1024-0236
Exp. Date 04/30/2017
Form No. 10-226

All or some of the information you provide may become available to the public.

Reporting Year: 2017	Park: Big Thicket	Select the type of permit this report addresses: Scientific Study
Principal Investigator: David Lewis		Office Phone: 409-423-3776
Mailing Address: 262 CR 3062 Newton, Select... 75966-7003 USA		Office Fax: Office Email: dandplewis@gmail.com
Additional investigator or key field assistants(first name, last name, office phone, office email)		
Name: Ron Pastorina	Phone:	Email: ronpost@sbcglobal.net
Name: Mona Halvorsen	Phone: 936-274-1181	Email: director@thicketofdiversity.org

Study Title (maximum 300 characters): Mycological Studies of the Big Thicket National Preserve			
Park-assigned Study or Activity #: BITH-00002	Park-assigned Permit #: BITH-2014-SCI-0010	Permit Start Date: May 16, 2014	Permit Expiration Date: May 16, 2018
Scientific Study Starting Date: May 16, 2014		Estimated Scientific Study Ending Date: May 15, 2021	
For either a Scientific Study or a Science Education Activity, the status is: Continuing	For a Scientific Study that is completed, please check each of the following that applies: <input type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years <input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park <input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed		
Activity Type: Inventory			
Subject/Discipline: Protista (Including Algae, Fungi)			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters): Continued Inventory work on Big Thicket fungi in conjunction with All Taxa Biodiversity Inventory
Findings and status of Scientific Study (including collections made and catalog status of retained specimens and retained material originating from such specimens) or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters): MYCOLOGICAL RESEARCH IN THE BIG THICKET NATIONAL PRESERVE FOR 2016 Mycological research for the year 2016 was conducted within the Lance Rosier Unit of the Big Thicket National Preserve. Two mushroom walks in the Lance Rosier Unit were held with good citizen scientist participation, one in June and November. In total 101 collections (67 vouchers) and observations were made and include 77 different taxa determined to species and 24 collections that need further taxonomic work. At least 3 species were new records for the Big Thicket National Preserve and about 2

species were state and preserve records. One species, *Russula cortinarioides*, was described as new to science in 2015. New state and preserve records include *Entoloma lampropum* and *Geoglossum difforme*. Preserve records include *Clavulina cristata*, *Boletus fairchildianus* and *Russula densifolia*.

Collections are/will be deposited at the Field Museum, Chicago, Ill, and The Tracey Herbarium, College Station, Texas.

David P. Lewis
262 CR 3062
Newton, TX 75966
dandplewis@gmail.com

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

Yes

Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount):
\$0.00

Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount):
\$0.00

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

Yes

If "Yes", identify where the specimens currently are stored:

List of vouchers sent to Herbert Young

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information form is estimated to average 1.38 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3130 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.

Privacy Act Notice: Scientific research, education and collecting activities within units of the National Park System that may impact parks invoke a permitting and reporting requirement per regulations at 36 CFR 1.6 (Permits), 36 CFR 2.1 (Preservation of Natural, Cultural and Archeological Resources), and 36 CFR 2.5 (Research Specimens). The National Park Service collects information about permit applicants and permittees to administer and document research, collecting, and reporting activities within parks. The information disclosed on this form is required and may result in denial of permit applications if not provided.