**COMMONWEALTH OF VIRGINIA**

**DEPARTMENT OF CONSERVATION AND RECREATION**

## VIRGINIA STATE PARKS

## RESEARCH AND COLLECTING PERMIT APPLICATION

Please fill out and sign this form, being as specific as possible. Use attachments if needed. Also, include a site map of the park(s) and highlight the area(s) where the proposed activities will occur. Allow approximately thirty (30) days for review and processing.

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| 1. Name of Applicant:   Kenneth Fortino | | 2. Name of Organization:  Longwood University | | 3. Title:  Asst. Professor |
| 4. Address:  Dept. Biological and Environmental Science. Longwood Univ. 201 High St. | | 5. City, State, & Zip Code:  Farmville, VA, 23909 | | |
| 6.Phone Number (W)  (434) 395-2223 | 7.Phone Number (H):  (336) 601-4335 | 8. Fax Number (W):  (434) 395-2652 | 9. E-mail Address:  fortinok@longwood.edu | |
| 10. List park(s) or preserve(s) of proposed activity:  Twin Lakes, Holiday Lake | | 11. Location within park(s) for activity:  Prince Edward Lake, Goodwin Lake, Holiday Lake | | |
| 12. Date(s) of Visit: From: May 2013 To: May 2014 | | | | |
| 13. Have you been issued a Research and Collecting Permit from this Department in the past? Yes X No  If yes, please write the permit number(s) in this space: | | | | |
| 14. Name(s) of other person(s) requested to attend:  Leanna Tacik | | | | |
| 15. Description of proposed activity (use attachment if necessary):  We will collect sediment and water samples from various locations within the lake to determine the composition and abundance of benthic macroinvertebrates, algae, and detrital organic matter. These data will be used in combination with data from other ponds to evaluate relationships between biodiversity and organic matter processing in lakes. | | | | |
| 16. Number and type(s) of specimen(s) to be collected:  We plan to collect multiple times throughout the year to determine seasonal patterns. Each sampling will consist of replicate (3 – 5) sediment and water samples from the various habitats within the lake (littoral, open water, etc…). We expect to collect mainly sediment-dwelling invertebrates such as insect larvae, annelid worms, and crustaceans from the sediment samples. We are not planning to collect individual organisms from the water samples but will measure chloophyll a concentrations to estimate algal biomass. | | | | |
| 17. Reason activity proposed for requested location:  This sampling is part of a Longwood University research project assessing the interaction between biodiversity and organic matter processing in small lakes and ponds. The lakes in the state parks are hypothesized to represent lakes that have relatively limited impacts from urban and agricultural stressors. | | | | |
| 18. Method of collection:  Sediment samples will be collected with an Ekman grab. Water samples will be collected with a Van Dorn sampler. Littoral invertebrates will be collected with a dip net. | | | | |
| 19. Location where specimen(s) will reside:  All organisms will be preserved in 70% ethanol and be stored in Kenneth Fortino’s lab at Longwood University | | | | |
| 20. Additional comments (use attachment if necessary): | | | | |

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| **21. THIS PERMIT IS ISSUED SUBJECT TO THE FOLLOWING terms AND CONDITIONS:**  a The permittee must notify the State Park Manager and District Resource Specialist prior to undertaking any permitted activity.  b All collections will be made in a judicious manner, altering the natural conditions as little as possible, collecting as few specimens as possible.  c. Two copies of a complete report, giving the types, number, and disposition of all collected material, will be furnished to the Resource Management office (see below) no later than December 31 of the year the permit is in effect. If research is not yet complete, an update must be submitted by December 31.  d. In the event that the research leads to publication, the Resource Management office shall be furnished with three (3) reprints of each article or report.  e. The permit may only be used by the person(s) to whom it is issued and a copy of the permit must be on site during all visits.  f. The collections shall be used for scientific or educational purposes only, shall be dedicated to the public benefit, and shall not be used for commercial profit.  g. All collecting must be done away from roads, trails, and developed areas unless such locations are identified in the permit. The collecting shall be conducted in such a manner as to not detract from or cause damage to the environment. Because of the scarcity and/or importance of some specimens, the Department may designate the kind, number, and sizes of what may be collected and any other restrictions necessary for the protection of the resources.  h. Permittee and subpermittee(s) shall abide by all DCR regulations and agree to exercise privileges granted in this permit subject to the supervision of the appropriate Park Manager or District Resource Specialist.  i. The parking fee typically collected upon entry into each park is waived for the permittee during research related visits to the park, provided that a copy of the research and collecting permit is displayed and/or in the possession of the permittee.  j. All collecting shall be done in accordance with federal, state, and local laws. All other applicable permits or consents must accompany this application.  k. The permittee is responsible for the actions of the subpermittee(s).  l. Failure to adhere to these stipulations and conditions may result in the permit being revoked.  ***Additional terms and conditions may be included on the permit.*** |
| **22**. **I have read the terms and conditions stated above and agree to comply with them if a permit is granted. I also understand that additional terms and conditions may be included in a permit following the review of this application.**  \_\_\_\_\_\_\_\_\_\_\_\_Kenneth Fortino\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_7 May 2013\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Applicant’s Signature Date** |

Send this application and attachments to the following DCR contact:

Theresa A. Duffey

Natural and Cultural Resource Manager

#### DCR-Division of State Parks

203 Governor Street, Suite 306

Richmond, Virginia 23219

theresa.duffey@dcr.virginia.gov

# A GUIDE TO

**RESEARCH AND COLLECTING PERMITS**

# FOR VIRGINIA STATE PARKS

**COMMONWEALTH OF VIRGINIA**

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**BACKGROUND**: Research and Collecting Permits are issued for requests pertaining to scientific and/or educational research affiliated with an accredited or professionally recognized organization, such as an educational institution or governmental agency, that are proposed to occur on lands owned and managed by the Department of Conservation and Recreation (DCR). Collection is prohibited as stated in Virginia’s Administrative Code (VAC) 4 VAC 5-30-50 unless a special permit has been obtained. 4 VA 5-30-240 states that “No person within the confines of any park, shall hunt, pursue, trap, shoot, injure, kill or molest in any way any bird or animal, nor shall any person have any wild bird or animal in his possession within the park, provided, however, that this regulation shall not apply in areas designated for hunting by the Department of Conservation and Recreation.” Additionally, 4 VAC 5-30-50 states that “No person shall remove, destroy, cut down, scar, mutilate, injure, take or gather in any manner any tree, flower, fern, shrub, rock or plant, historical artifact, or mineral in any Park. Special permits may be obtained for scientific collecting.” These legal limitations on collections apply to all DCR–owned lands.

Typically, the Department does not require Research and Collecting Permits for non-invasive observation. However, certain State Parks may restrict these activities to protect sensitive resources. An example of non-invasive observation would be bird watching. Applicants should contact the State Park Resource Management office or the appropriate site manager if they have questions about the permit requirements for a proposed activity.

**APPLICATION PROCEDURE**: To apply, complete the permit application form in its entirety. Be as specific as possible and send it to the address at the bottom of the application. The applicant must indicate, on an accurate site map, the location of the proposed activity within the State Park. The application will take approximately 30 days to process. Should the proposed activity require permits or consent from other agencies, such as the Virginia Department of Game and Inland Fisheries, Virginia Department of Historic Resources, or U.S. Army Corps of Engineers, it is the responsibility of the applicant to obtain written approvals or permits. Copies of the other approvals or permits should accompany the DCR permit application. In the event a Research and Collecting Permit request is not approved, a written explanation will be provided to the applicant. Questions regarding Research and Collecting Permits should be directed to the State Parks Natural and Cultural Resource Manager at the address listed at the bottom of the application form.

**PERMIT VIOLATIONS**: The terms and conditions of the Research and Collecting Permit are listed on the permit application under section # 21. These and any additional terms and conditions will be included on the approved permit. Virginia’s Administrative Code (VAC) 4 VAC 5-30-40 states, “A permit to do any act shall authorize the same only insofar as it may be performed in strict accordance with the terms and conditions thereof. Any violation by its holders or his/her agents or employees of any term or condition thereof shall constitute grounds for its revocation by the Department, or by its authorized representative, whose action therein shall be final.”

### Updated January 2013