

## Appendix B –

### National Park Service and National Arboretum Permits Obtained

#### National Park Service Permits

National Park Service Scientific Research and Collecting Permits were required to perform field studies on National Park Service property. DOEE staff completed permit applications online via the National Park Service Research Permit and Reporting System (<https://irma.nps.gov/rprs/>) for each National Park Service Region in the District, which includes:

- George Washington Memorial Parkway;
- National Capital Parks-East;
- Chesapeake and Ohio (C&O) Canal;
- National Mall and Memorial Parks; and
- Rock Creek Park.


Permit applications included:

- a description of the field work and purpose of the study;
- methods used for data collection;
- maps of the potential wetland areas to be visited;
- names and contact information for all field staff;
- make, model, and license plate numbers for field vehicles; and
- contact information for the principal investigator.

Applications were submitted in November 2015 and permits were issued anywhere from two to eight months after submittal. All five NPS permits were issued and are included in this Appendix. Permit conditions included start date notification and contacting an NPS region representative in case archeological items of interest were discovered during field work. All data collected on NPS land and GIS layers generated as a result of the field study will be provided to NPS after completion of the study.

#### National Arboretum Permit

A permit was required from the National Arboretum in order to conduct field work on the property. DOEE coordinated with the National Arboretum to obtain a permit for the field study. Information regarding the field methodology, type of data to be collected, and project purpose were provided to appropriate Arboretum staff. The permit was issued approximately 5 weeks after initial coordination. For any future updates to the WCP that require field studies, this permit should be applied for concurrently with the NPS permits to allow sufficient time for approval. A copy of the Revocable Permit from the U.S. National Arboretum is included in this Appendix.

 <p align="center"><b>SCIENTIFIC RESEARCH AND COLLECTING PERMIT</b></p> <p align="center">Grants permission in accordance with the attached general and special conditions</p> <p align="center">United States Department of the Interior National Park Service</p> <p align="center">George Washington Memorial Parkway</p>	<p><b>Study#:</b> GWMP-00134</p> <p><b>Permit#:</b> GWMP-2015-SCI-0022</p> <p><b>Start Date:</b> Oct 01, 2015</p> <p><b>Expiration Date:</b> Oct 31, 2016</p> <p><b>Coop Agreement#:</b></p> <p><b>Optional Park Code:</b> GWMP</p>
---	---

<b>Name of principal investigator:</b> <b>Name:</b> Rebecca Diehl <b>Phone:</b> 202-535-2648 <b>Email:</b> rebecca.diehl@dc.gov		
<b>Name of institution represented:</b> Government of the District of Columbia, Department of Energy and Environment		
<b>Co-Investigators:</b>		
<b>Name:</b> Rebecca Diehl	<b>Phone:</b> 202-535-2648	<b>Email:</b> rebecca.diehl@dc.gov
<b>Name:</b> Jennifer Dietzen	<b>Phone:</b> 202-481-3942	<b>Email:</b> jennifer.dietzen@dc.gov
<b>Name:</b> Benjamin Rosner	<b>Phone:</b> 703-282-7940	<b>Email:</b> brosnier@wetlandstudies.com
<b>Name:</b> Mary Searing	<b>Phone:</b> 202-535-2990	<b>Email:</b> mary.searing@dc.gov
<b>Name:</b> Jessica Campo	<b>Phone:</b> 703-679-5621	<b>Email:</b> jcampo@wetlandstudies.com
<b>Name:</b> Melissa Letosky	<b>Phone:</b> 703-679-5642	<b>Email:</b> mletosky@wetlandstudies.com
<b>Name:</b> Lauren Shaffer	<b>Phone:</b> 703-679-5649	<b>Email:</b> lshaffer@wetlandstudies.com
<b>Name:</b> Grace McCroskey	<b>Phone:</b> 703-679-5639	<b>Email:</b> gmccroskey@wetlandstudies.com
<b>Name:</b> Neil Gutherman	<b>Phone:</b> 703-679-5618	<b>Email:</b> ngutherman@wetlandstudies.com
<b>Name:</b> Dan Richardson	<b>Phone:</b>	<b>Email:</b> drichardson@wetlandstudies.com
<b>Name:</b> Brandon Blackburn	<b>Phone:</b> 703-679-5712	<b>Email:</b> bblackburn@wetlandstudies.com
<b>Name:</b> Hannah Carson	<b>Phone:</b> 703-679-5687	<b>Email:</b> hcarson@wetlandstudies.com
<b>Name:</b> Jennifer Feese	<b>Phone:</b> 703-679-5637	<b>Email:</b> jfeese@wetlandstudies.com
<b>Name:</b> Beth Clements	<b>Phone:</b> 703-679-5719	<b>Email:</b> bclements@wetlandstudies.com
<b>Study Title:</b> Wetland Conservation Plan Update and Registry		
<b>Purpose of study:</b> The purpose of the Wetland Conservation Plan Update and Registry is to restore and protect the surface water and groundwater of the District of Columbia (District). This includes the protection, restoration, and enhancement of the District's wetlands. A tool that DOEE uses to protect the District's wetlands is the Wetland Conservation Plan. This project will be an update to the 1997 plan which includes a comprehensive inventory with ground-truthing of District wetlands, with maps and photos of wetlands at appropriate scales; the production of geospatial data and geodatabases of the information gathered; and, the creation of a District wetland registry. The wetland registry will be a GIS database of the wetlands in the District. This tool will also have the potential to identify future sites for wetland restoration and creation.		
<b>Subject/Discipline:</b> Water Resources		
<b>Locations authorized:</b> The proposed area of activities will be Theodore Roosevelt Island (see attached map).		
<b>Transportation method to research site(s):</b> The methods of access to the park will be vehicles. Employees from the Department of Energy and Environment (DOEE) will use Government of the District of Columbia fleet vehicles. Employees from Wetland Studies and Solutions, Inc. (WSSI), DOEE's grantee, will use Wetland Studies and Solutions fleet vehicles.		
<b>Collection of the following specimens or materials, quantities, and any limitations on collecting:</b>		
<b>Name of repository for specimens or sample materials if applicable:</b>		
<b>Specific conditions or restrictions (also see attached conditions):</b> 1. All work will proceed on weekdays during daylight hours only, unless otherwise authorized in the Scientific Research and		

Collecting permit. No work will proceed on Federal holidays unless previously authorized.

2. It is the researcher's responsibility to notify the Natural Resource Program Manager Brent Steury at least 72 hours in advance by e-mail or phone call (Brent\_Steury@nps.gov or 703 289-2541) when the researcher(s) will be in the park. Please provide a description of the vehicle, tag number, researcher names and a cell phone number in case of emergency.

3. Cell phone coverage is spotty at best in many areas of the Parkway.

4. If the researcher needs a key for gates, it is the responsibility of the researcher to make arrangements to pick up and return the key at the Park Headquarters in Turkey Run, Virginia.

5. The work site shall be kept free of trash, and all foreign debris is to be removed from the park property upon completion of work.

6. The Park will not be responsible for equipment left at the project site by researchers.

7. Researcher(s) will carry identification and a copy of this permit with them at all times.

8. Researcher will provide three hard copies and one electronic copy of the final project report(s), data, final dissertations and/or publications to the Park. This is in addition to the IARs.

9. GWMP staff request GPS of locations of study sites if appropriate. If any GPS data is collected it will be provided to the park with metadata according to NPS standards for metadata (NAD 83).

10. If the research permit will contain permanent collections, it is the researcher's responsibility to coordinate with the park's curator to properly catalog the collection.

11. No reference collection will be accepted. All collected materials will be turned over to the park's curator.

The following pertains to driving and working on the Parkway if approved in the permit:

12. Visitor access and use of the Parkway will be unrestricted at all times. The Parkway must remain passable by emergency and park maintenance vehicles at all times.

13. No refueling of vehicles or equipment will be done on park property.

1. Authority - The permittee is granted privileges covered under this permit subject to the supervision of the superintendent or a designee, and shall comply with all applicable laws and regulations of the National Park System area and other federal and state laws. A National Park Service (NPS) representative may accompany the permittee in the field to ensure compliance with regulations.

2. Responsibility - The permittee is responsible for ensuring that all persons working on the project adhere to permit conditions and applicable NPS regulations.

3. False information - The permittee is prohibited from giving false information that is used to issue this permit. To do so will be considered a breach of conditions and be grounds for revocation of this permit and other applicable penalties.

4. Assignment - This permit may not be transferred or assigned. Additional investigators and field assistants are to be coordinated by the person(s) named in the permit and should carry a copy of the permit while they are working in the park. The principal investigator shall notify the park's Research and Collecting Permit Office when there are desired changes in the approved study protocols or methods, changes in the affiliation or status of the principal investigator, or modification of the name of any project member.

5. Revocation - This permit may be terminated for breach of any condition. The permittee may consult with the appropriate NPS Regional Science Advisor to clarify issues resulting in a revoked permit and the potential for reinstatement by the park superintendent or a designee.

6. Collection of specimens (including materials) - No specimens (including materials) may be collected unless authorized on the Scientific Research and Collecting permit.

The general conditions for specimen collections are:

6a. Collection of archeological materials without a valid Federal Archeology Permit is prohibited.

6b. Collection of federally listed threatened or endangered species without a valid U.S. Fish and Wildlife Service endangered species permit is prohibited.

6c. Collection methods shall not attract undue attention or cause unapproved damage, depletion, or disturbance to the environment and other park resources, such as historic sites.

6d. New specimens must be reported to the NPS annually or more frequently if required by the park issuing the permit. Minimum information for annual reporting includes specimen classification, number of specimens collected, location collected, specimen status (e.g., herbarium sheet, preserved in alcohol/formalin, tanned and mounted, dried and boxed, etc.), and current location.

6e. Collected specimens that are not consumed in analysis or discarded after scientific analysis remain federal property. The NPS reserves the right to designate the repositories of all specimens removed from the park and to approve or restrict reassignment of specimens from one repository to another. Because specimens are Federal property, they shall not be destroyed or discarded without prior NPS authorization.

6f. Each specimen (or groups of specimens labeled as a group) that is retained permanently must bear NPS labels and must be accessioned and cataloged in the NPS National Catalog. Unless exempted by additional park-specific stipulations, the permittee will complete the labels and catalog records and will provide accession information. It is the permittee's responsibility to contact the park for cataloging instructions and specimen labels as well as instructions on repository designation for the specimens.

6g. Collected specimens may be used for scientific or educational purposes only, and shall be dedicated to public benefit and be accessible to the public in accordance with NPS policies and procedures.

6h. Any specimens collected under this permit, any components of any specimens (including but not limited to natural organisms, enzymes or other bioactive molecules, genetic materials, or seeds), and research results derived from collected specimens are to be used for scientific or educational purposes only, and may not be used for commercial or other revenue-generating purposes unless the permittee has entered into a Cooperative Research And Development Agreement (CRADA) or other approved benefit-sharing agreement with the NPS. The sale of collected research specimens or other unauthorized transfers to third parties is prohibited. Furthermore, if the permittee sells or otherwise transfers collected specimens, any components thereof, or any products or research results developed from such specimens or their components without a CRADA or other approved benefit-sharing agreement with NPS, permittee will pay the NPS a royalty rate of twenty percent (20%) of gross revenue from such sales or other revenues. In addition to such royalty, the NPS may seek other damages to which the NPS may be entitled including but not limited to injunctive relief against the permittee.

7. Reports - The permittee is required to submit an Investigator Annual Report and copies of final reports, publications, and other materials resulting from the study. Instructions for how and when to submit an annual report will be provided by NPS staff. Park research coordinators will analyze study proposals to determine whether copies of field notes, databases, maps, photos, and/or other materials may also be requested. The permittee is responsible for the content of reports and data provided to the National Park Service.

8. Confidentiality - The permittee agrees to keep the specific location of sensitive park resources confidential. Sensitive resources include threatened species, endangered species, and rare species, archeological sites, caves, fossil sites, minerals, commercially valuable resources, and sacred ceremonial sites.

9. Methods of travel - Travel within the park is restricted to only those methods that are available to the general public unless otherwise specified in additional stipulations associated with this permit.

10. Other permits - The permittee must obtain all other required permit(s) to conduct the specified project.

11. Insurance - If liability insurance is required by the NPS for this project, then documentation must be provided that it has been obtained and is current in all respects before this permit is considered valid.

12. Mechanized equipment - No use of mechanized equipment in designated, proposed, or potential wilderness areas is allowed unless authorized by the superintendent or a designee in additional specific conditions associated with this permit.

13. NPS participation - The permittee should not anticipate assistance from the NPS unless specific arrangements are made and documented in either an additional stipulation attached to this permit or in other separate written agreements.

14. Permanent markers and field equipment - The permittee is required to remove all markers or equipment from the field after the completion of the study or prior to the expiration date of this permit. The superintendent or a designee may modify this requirement through additional park specific conditions that may be attached to this permit. Additional conditions regarding the positioning and identification of markers and field equipment may be issued by staff at individual parks.

15. Access to park and restricted areas - Approval for any activity is contingent on the park being open and staffed for required operations. No entry into restricted areas is allowed unless authorized in additional park specific stipulations attached to this permit.

16. Notification - The permittee is required to contact the park Research and Collecting Permit Office (or other offices if indicated in the stipulations associated with this permit) prior to initiating any fieldwork authorized by this permit. Ideally this contact should occur at least one week prior to the initial visit to the park.



17.Expiration date - Permits expire on the date listed. Nothing in this permit shall be construed as granting any exclusive research privileges or automatic right to continue, extend, or renew this or any other line of research under new permit(s).

18.Other stipulations - This permit includes by reference all stipulations listed in the application materials or in additional attachments to this permit provided by the superintendent or a designee. Breach of any of the terms of this permit will be grounds for revocation of this permit and denial of future permits.

Recommended by park staff(name and title):

Reviewed by Collections Manager:

Yes \_\_\_\_\_ No \_\_\_\_\_

Approved by park official:

Date Approved:

Brent Steury

12/1/2015

Title:

Natural Resources Manager

I Agree To All Conditions And Restrictions Of this Permit As Specified  
(Not valid unless signed and dated by the principal investigator)

Pat R. D.

(Principal investigator's signature)

Dec 1, 2015

(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**

# SCIENTIFIC RESEARCH AND COLLECTING PERMIT

Grants permission in accordance with the attached  
general and special conditions

United States Department of the Interior  
National Park Service

National Capital Parks-East



Study#: NACE-00138

Permit#: NACE-2015-SCI-0026

Start Date: Oct 01, 2015

Expiration Date: Oct 31, 2016

Coop Agreement#:

Optional Park Code:

## Name of principal investigator:

Name: Rebecca Diehl

Phone: 202-535-2648

Email: rebecca.diehl@dc.gov

## Name of institution represented:

Government of the District of Columbia, Department of Energy and Environment

## Co-Investigators:

Name: Rebecca Diehl

Phone: 202-535-2648

Email: rebecca.diehl@dc.gov

Name: Jennifer Dietzen

Phone: 202-481-3942

Email: jennifer.dietzen@dc.gov

Name: Benjamin Rosner

Phone: 703-282-7940

Email: brosner@wetlandstudies.com

Name: Mary Searing

Phone: 202-535-2990

Email: mary.searing@dc.gov

Name: Jessica Campo

Phone: 703-679-5621

Email: jcampo@wetlandstudies.com

Name: Melissa Letosky

Phone: 703-679-5642

Email: mletosky@wetlandstudies.com

Name: Lauren Shaffer

Phone: 703-679-5649

Email: lshaffer@wetlandstudies.com

Name: Grace McCroskey

Phone: 703-679-5639

Email: gmccroskey@wetlandstudies.com

Name: Neil Gutherman

Phone: 703-679-5618

Email: ngutherman@wetlandstudies.com

Name: Dan Richardson

Phone:

Email: drichardson@wetlandstudies.com

Name: Brandon Blackburn

Phone: 703-679-5712

Email: bblackburn@wetlandstudies.com

Name: Hannah Carson

Phone: 703-679-5687

Email: hcarson@wetlandstudies.com

Name: Jennifer Feese

Phone: 703-679-5637

Email: jfeese@wetlandstudies.com

Name: Beth Clements

Phone: 703-679-5719

Email: bclements@wetlandstudies.com

## Study Title:

Wetland Conservation Plan Update and Registry

## Purpose of study:

The purpose of the Wetland Conservation Plan Update and Registry is to restore and protect the surface water and groundwater of the District of Columbia (District). This includes the protection, restoration, and enhancement of the District's wetlands. A tool that DOEE uses to protect the District's wetlands is the Wetland Conservation Plan. This project will be an update to the 1997 plan which includes a comprehensive inventory with ground-truthing of District wetlands, with maps and photos of wetlands at appropriate scales; the production of geospatial data and geodatabases of the information gathered; and, the creation of a District wetland registry. The wetland registry will be a GIS database of the wetlands in the District. This tool will also have the potential to identify future sites for wetland restoration and creation.

## Subject/Discipline:

Water Resources

## Locations authorized:

The proposed area of activities will be National Capital Parks- East (see attached map).

## Transportation method to research site(s):

The methods of access to the park will be vehicles. Employees from the Department of Energy and Environment (DOEE) will use Government of the District of Columbia fleet vehicles. Employees from Wetland Studies and Solutions, Inc. (WSSI), DOEE's grantee, will use Wetland Studies and Solutions fleet vehicles.

## Collection of the following specimens or materials, quantities, and any limitations on collecting:

## Name of repository for specimens or sample materials if applicable:

## Specific conditions or restrictions (also see attached conditions):

NATIONAL CAPITAL PARKS-EAST PARK SPECIFIC PERMIT CONDITIONS

A copy of this permit will be kept accessible by the PI at all times when in the field.

**Health & safety** - Like other visitors, permit holders are responsible for their own and their team's health and safety when in a national park unit. All natural areas pose risks, therefore be prepared in advance to eliminate or mitigate those risks. Let someone know your itinerary, communicate to that person if it changes, and establish an action threshold if your party fails to communicate as expected. Consider what is needed if a medical emergency occurs and take the appropriate actions to insure that those needs will be met. Permit holders need to exhibit a degree of self reliance and responsibility for their own safety commensurate with the difficulty of their chosen activities.

Investigator will submit an investigators annual report (IAR) yearly, to be submitted electronically through the RPRS system.

All park-based data, ~~spatial~~ (including spatial) will be provided to the park upon the conclusions of the project.

All work will take place within regular daylight hours on weekdays (Monday - Friday).

The investigation will take place in communication with park natural resource staff. No digging will be permitted in CERCLA areas, and access will be granted only after a park safety briefing. A general map of the CERCLA areas will be provided to the investigator.

Any specimens collected that are not destroyed will be conveyed to the park collections manager, Mike Antononi (Mike\_Antononi@nps.gov, 202 692-6049)

Park resources (natural or cultural) will not be marked, painted, or in any way defaced during the project. This excludes the use of flagging tape. Flagging tape shall be removed at the conclusion of the project.

Be considerate and sensitive to park visitors and values. Park your vehicle in designated areas and walk to your work site, unless you have permission to do otherwise. Do not drive among pedestrians. Do not drive on trails and other non-motorized vehicle areas without park approval.

As the holder of a permit, you may be asked questions about your work by park visitors – please interact with the visitors and assist us in providing a pleasant and informative park experience.

The permittee will contact the Park Managers with no less than 48 hours advance notice prior to each research visit. See following list for contact names and numbers.

The permittee understands that the National Park Service is not responsible for vandalism, damage, and/or theft of personal equipment used during sampling activities.

All emergency situations (i.e. injuries, accidents) that occur on park land during permitted work shall be immediately reported to the U.S. Park Police at 202-610-7500. Non-emergency situations can be reported to the Park Police non-emergency number 202-610-7505. Similarly, any safety concerns or problems observed on parkland should also be reported.

The park contact for this research project is Mikaila Milton.

Mikaila Milton  
Biologist, Resource Management Division  
National Capital Parks-East  
National Park Service  
1900 Anacostia Drive, S.E.  
Washington, D.C. 20020

Office: 202-690-5167  
Fax: 202-690-0862  
Email: mikaila\_milton@nps.gov

Contact Information  
Superintendent  
National Capital Parks - East  
Gopaul Noojibail  
202-692-6000  
Gopaul\_Noojibail@nps.gov

Superintendent  
Greenbelt Park  
Matthew Carroll  
301-344-3936  
Matthew\_Carroll@nps.gov

Superintendent  
Fort Washington, Piscataway Park, Oxon Hill Farm, Oxon Cove Park  
Christine Smith  
301-763-4600  
Christine\_Smith@nps.gov

Park Curator  
Mike Antonioni  
202/690-6049  
Mike\_Antonioni@nps.gov

U.S. Park Police/Emergencies  
202/610-7500

U.S. Park Police/ Non-Emergencies  
202/610-7505

Recommended by park staff (name and title):

Nikola Hulst, biologist

Approved by park official:

[Signature]

Title:

Superintendent

Reviewed by Collections Manager:

Yes ☒ No ☐

Date Approved:

1/17/16

I Agree To All Conditions And Restrictions Of this Permit As Specified  
(Not valid unless signed and dated by the principal investigator)

[Signature]

(Principal investigator's signature)

02/01/2016  
(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**





**Name of repository for specimens or sample materials if applicable:**

**Specific conditions or restrictions (also see attached conditions):**

Researcher will provide GPS locations of any and all soil cores and all geospatial data on wetland delineation to the park.

If any archeological artifacts are discovered during soil boring, do not disturb and return directly to soil in situ. Any and all artifacts found must be reported to the park with appropriate, accompanying geospatial data.

All work will proceed on weekdays during daylight hours only, unless otherwise authorized in the Scientific Research and Collecting permit. No work will proceed on Federal holidays unless previously authorized.

It is the researchers responsibility to notify the Natural Resource Program Manager at least 72 hours in advance by e-mail or phone call when the researcher(s) will be in the park. Please provide a description of the vehicle, tag number, researcher names and a cell phone number in case of emergency.

Cell phone coverage is spotty at best in many areas of the C&O Canal NHP. If you have an emergency, accident, or spill of chemicals including petroleum products on park property, you must call the NPS National Capital Region Dispatch Office to report it immediately. Dispatch emergency contact number is 1-866-677-6677.

If the researcher needs a key for gates, it is the responsibility of the researcher to make arrangements to pick up and return the key at the Park Headquarters in Hagerstown, Maryland.

The work site shall be kept free of trash, and all foreign debris is to be removed from the park property upon completion of work.

The Park will not be responsible for equipment left at the project site by researchers.

Researcher(s) will carry identification and a copy of the permit with them at all times.

Researcher will provide two hard copies and one electronic copy of the final project report(s), data, final dissertations and/or publications to the Park no longer than one year after completion of the research. This is in addition to the Investigator's Annual Report(s)(IAR). Copies of all research notes, records, results, and publications will be provided to the CHOH Natural Resource Program Manager for inclusion in the park library and archives.

No permanent collections are permitted.

Researcher will provide a copy of all photographs or digital images collected during the research on the park.

Visitor access and use of the towpath will be unrestricted at all times. The towpath must remain passable by emergency and park maintenance vehicles at all times.

Recommended by park staff (name and title):

Michael A. Chate NR Program Manager

Reviewed by Collections Manager:

Yes ☒ No ☐

Approved by park official:

K. O. B. B. B.

Date Approved:

1/7/16

Title:

Superintendent

I Agree To All Conditions And Restrictions Of this Permit As Specified  
(Not valid unless signed and dated by the principal investigator)

Paul D. D.

(Principal investigator's signature)

December 2, 2015

(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**

## SCIENTIFIC RESEARCH AND COLLECTING PERMIT

Grants permission in accordance with the attached  
general and special conditions

United States Department of the Interior  
National Park Service

National Mall and Memorial Parks



Study#: NAMA-00011

Permit#: NAMA-2016-SCI-0006

Start Date: Jun 24, 2016

Expiration Date: Dec 31, 2016

Coop Agreement#:

Optional Park Code:

### Name of principal investigator:

Name: Rebecca Diehl

Phone: 202-535-2648

Email: rebecca.diehl@dc.gov

### Name of institution represented:

Government of the District of Columbia, Department of Energy and Environment

### Co-Investigators:

Name: Rebecca Diehl

Phone: 202-535-2648

Email: rebecca.diehl@dc.gov

Name: Jennifer Dietzen

Phone: 202-481-3942

Email: jennifer.dietzen@dc.gov

Name: Benjamin Rosner

Phone: 703-282-7940

Email: brosner@wetlandstudies.com

Name: Mary Searing

Phone: 202-535-2990

Email: mary.searing@dc.gov

Name: Jessica Campo

Phone: 703-679-5621

Email: jcampo@wetlandstudies.com

Name: Melissa Letosky

Phone: 703-679-5642

Email: mletosky@wetlandstudies.com

Name: Lauren Shaffer

Phone: 703-679-5649

Email: lshaffer@wetlandstudies.com

Name: Grace McCroskey

Phone: 703-679-5639

Email: gmccroskey@wetlandstudies.com

Name: Neil Gutherman

Phone: 703-679-5618

Email: ngutherman@wetlandstudies.com

Name: Dan Richardson

Phone:

Email: drichardson@wetlandstudies.com

Name: Brandon Blackburn

Phone: 703-679-5712

Email: bblackburn@wetlandstudies.com

Name: Hannah Carson

Phone: 703-679-5687

Email: hcarson@wetlandstudies.com

Name: Jennifer Feese

Phone: 703-679-5637

Email: jfeese@wetlandstudies.com

Name: Beth Clements

Phone: 703-679-5719

Email: bclements@wetlandstudies.com

### Study Title:

Wetland Conservation Plan Update and Registry

### Purpose of study:

The purpose of the Wetland Conservation Plan Update and Registry is to restore and protect the surface water and groundwater of the District of Columbia (District). This includes the protection, restoration, and enhancement of the District's wetlands. A tool that DOEE uses to protect the District's wetlands is the Wetland Conservation Plan. This project will be an update to the 1997 plan which includes a comprehensive inventory with ground-truthing of District wetlands, with maps and photos of wetlands at appropriate scales; the production of geospatial data and geodatabases of the information gathered; and, the creation of a District wetland registry. The wetland registry will be a GIS database of the wetlands in the District. This tool will also have the potential to identify future sites for wetland restoration and creation.

### Subject/Discipline:

Wetlands / Floodplains

### Locations authorized:

The proposed area of activities will be the National Mall and Memorial Parks (see attached map).

### Transportation method to research site(s):

The methods of access to the park will be vehicles. Employees from the Department of Energy and Environment (DOEE) will use Government of the District of Columbia fleet vehicles. Employees from Wetland Studies and Solutions, Inc. (WSSI), DOEE's grantee, will use Wetland Studies and Solutions fleet vehicles.

### Collection of the following specimens or materials, quantities, and any limitations on collecting:

No collections of soils will be made. All soil will be left on site. Should archeological items be discovered, digging will be immediately suspended and Resource Management will be contacted immediately (either Catherine Dewey 202-245-4711 catherine\_dewey@nps.gov or Mike Commisso 202-245-4693 michael\_commisso@nps.gov). Miss Utility should be contacted prior to digging.

Name of repository for specimens or sample materials if applicable:

**Specific conditions or restrictions (also see attached conditions):**

Permittee must contact Catherine Dewey 202-245-4711 catherine\_dewey@nps.gov prior to visits to park. Details on where holes will be placed need to be provided prior to the site visit.

Should archeological items be discovered, digging will be immediately suspended and Resource Management will be contacted immediately (either Catherine Dewey 202-245-4711 catherine\_dewey@nps.gov or Mike Commisso 202-245-4693 michael\_commisso@nps.gov).

All data and maps will be made available to the park after completion of study.

Recommended by park staff(name and title):

Reviewed by Collections Manager:

Mrs. Elizabeth Brain Natural Resource Specialist Yes ☒ No ☐  
Approved by park official: \_\_\_\_\_ Date Approved: 6/24/16

Title:

Deputy Superintendent

I Agree To All Conditions And Restrictions Of this Permit As Specified  
(Not valid unless signed and dated by the principal investigator)

[Signature]  
(Principal investigator's signature)

06/24/2016  
(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**

<p align="center"><b>SCIENTIFIC RESEARCH AND COLLECTING PERMIT</b></p> <p align="center">Grants permission in accordance with the attached general and special conditions</p> <p align="center">United States Department of the Interior National Park Service Rock Creek</p>	<p>Study#: ROCR-00119 Permit#: ROCR-2015-SCI-0026 Start Date: Oct 01, 2015 Expiration Date: Dec 31, 2016 Coop Agreement#: Optional Park Code:</p>
---	---

Name of principal investigator:		
Name: Rebecca Diehl	Phone: 202-535-2648	Email: rebecca.diehl@dc.gov
Name of institution represented: Government of the District of Columbia, Department of Energy and Environment		
Co-Investigators:		
Name: Rebecca Diehl	Phone: 202-535-2648	Email: rebecca.diehl@dc.gov
Name: Jennifer Dietzen	Phone: 202-481-3942	Email: jennifer.dietzen@dc.gov
Name: Benjamin Rosner	Phone: 703-282-7940	Email: brosner@wetlandstudies.com
Name: Mary Searing	Phone: 202-535-2990	Email: mary.searing@dc.gov
Name: Jessica Campo	Phone: 703-679-5621	Email: jcampo@wetlandstudies.com
Name: Melissa Letosky	Phone: 703-679-5642	Email: mletosky@wetlandstudies.com
Name: Lauren Shaffer	Phone: 703-679-5649	Email: lshaffer@wetlandstudies.com
Name: Grace McCroskey	Phone: 703-679-5639	Email: gmcroskey@wetlandstudies.com
Name: Neil Gutherman	Phone: 703-679-5618	Email: ngutherman@wetlandstudies.com
Name: Dan Richardson	Phone:	Email: drichardson@wetlandstudies.com
Name: Brandon Blackburn	Phone: 703-679-5712	Email: bblackburn@wetlandstudies.com
Name: Hannah Carson	Phone: 703-679-5687	Email: hcarson@wetlandstudies.com
Name: Jennifer Feese	Phone: 703-679-5637	Email: jfeese@wetlandstudies.com
Name: Beth Clements	Phone: 703-679-5719	Email: bclements@wetlandstudies.com
Study Title: Wetland Conservation Plan Update and Registry		
Purpose of study: The purpose of the Wetland Conservation Plan Update and Registry is to restore and protect the surface water and groundwater of the District of Columbia (District). This includes the protection, restoration, and enhancement of the District's wetlands. A tool that DOEE uses to protect the District's wetlands is the Wetland Conservation Plan. This project will be an update to the 1997 plan which includes a comprehensive inventory with ground-truthing of District wetlands, with maps and photos of wetlands at appropriate scales, the production of geospatial data and geodatabases of the information gathered, and, the creation of a District wetland registry. The wetland registry will be a GIS database of the wetlands in the District. This tool will also have the potential to identify future sites for wetland restoration and creation.		
Subject/Discipline: Wetlands / Floodplains		
Locations authorized: The proposed area of activities will be Rock Creek Parks (see attached map)		
Transportation method to research site(s): The methods of access to the park will be vehicles. Employees from the Department of Energy and Environment (DOEE) will use Government of the District of Columbia fleet vehicles. Employees from Wetland Studies and Solutions, Inc. (WSSI), DOEE's grantee, will use Wetland Studies and Solutions fleet vehicles.		
Collection of the following specimens or materials, quantities, and any limitations on collecting: Removal or collection of any park resources is not authorized by this permit.		
Name of repository for specimens or sample materials if applicable:		
Specific conditions or restrictions (also see attached conditions):		



19. The park contacts for this project are Bill Yeaman (202-895-6074 or bill\_yeaman@nps.gov) and Cultural Resource Program manager Josh Torres (202-895-6067 or joshua\_torres@nps.gov). The researcher should notify the park contacts at least 48 hours prior to each visit to the park for field work so that timely notification can be made to the U.S. Park Police and park staff.

20. Care will be taken to avoid damages to park resources in all aspects of the project. Exploration and access to study sites will emphasize carefully chosen routes that minimize soil disturbance and trampling of vegetation. All activities will be conducted to avoid disturbance of stream banks and spring habitats. All ground-truthing involved in this project will be conducted in those wetland areas that are identified on the National Park Service (NPS) Rock Creek Parks (ROCR) map that was included with the Application. Ground-truthing of any areas not shown on the map will require prior approval from the park. A schedule of field locations to be ground-truthed will be sent to the park contacts in advance. Soil profiles will not be obtained at any known park archeological sites unless the park Cultural Resource Manager is present.

21. Any artifacts that are disturbed during the project will be promptly reported to the park contacts. Should Permittee uncover what appears to be something of cultural, historical, paleontological, or archeological significance, work will immediately cease in the affected area pending proper investigation of the sampling site by the NPS. The National Park Service will determine if and when work in that area may resume.

22. No permanent markers such as paint or tree tags, etc. can be used to mark transects or to delineate wetlands. Any necessary marking can be done with temporary markings such as surveyor's flagging tape or pin flags, etc. Any temporary markers that are used will be removed at the end of each year's wetland delineation activities.

23. Spring locations and vernal pool locations should not be specified as such on site maps, photos, or within the body of any final maps or reports.

24. Wildlife observations to supplement the USACE data forms will not specify amphibian species or include information on the presence of amphibian eggs or larvae. Any amphibians found during the study will not be identified to species.

25. Losses or damages to project equipment will be the responsibility of the permittee. The Park will not assume liability or expenses involved.

26. The collection of any park resources is not authorized by this permit.

27. Buses, trucks, and commercial vehicles are not permitted on park roads due to their narrow, winding configurations. All vehicles used in the study will be operated and parked only in legal paved areas and not on grass, trails, or in natural areas.

28. All instructions of the U.S. Park Police and other National Park Service officials who represent the Park Superintendent will be obeyed. A copy of this permit will be in the possession of study personnel when in the park and will be shared with these officials upon request.

26. All personnel participating in the project will be required to exercise all normal and reasonable safety precautions to protect themselves, park visitors, employees, and property. The U.S. Government will not be held responsible nor liable for any injuries, deaths, or damages to property arising from this permitted use of parkland.

27. Project personnel must comply with all NPS and park regulations and closures except as specifically outlined in this permit. Information regarding details of these regulations and closures is available upon request.

28. This permit only applies to Rock Creek Park and is not applicable for use in other National Parks which may be included in this study.

29. Copies of all monitoring data, maps, photos, geospatial data, geodatabases and final report should be submitted to the office of natural Resource Management through the park contact.

30. The Principal Investigator will complete an online Investigator's Annual Report at the end of each calendar year for which the permit is in effect.

Recommended by park staff(name and title):

William Yeaman - Resource Management Specialist

Approved by park official:

Reviewed by Collections Manager:

Yes ☒ No ☐

Date Approved:

Sept.

Title:

Superintendent

[Signature]

2/17/16

I Agree To All Conditions And Restrictions Of this Permit As Specified  
(Not valid unless signed and dated by the principal investigator)

[Signature]

(Principal investigator's signature)

02/02/2016  
(Date)

THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES WHILE  
CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)

United States Department of Agriculture  
Agricultural Research Service  
**REVOCABLE PERMIT**

ISSUED BY (Agency and complete mailing address (including ZIP Code)) U.S. National Arboretum 3501 New York Avenue, N.E. Washington, D.C. 20002-1958	PERMIT NO. FY-16-NA-027	DATE ISSUED 09/09/2016
	MODIFICATION NO. 01	DATE ISSUED
	PERIOD OF USE: FROM 09/12/2016	THROUGH 11/30/2016
PERMITTEE (Name and complete mailing address (including ZIP Code)) Jennifer Dietzen, Environmental Protection Specialist DC Department of Energy & Environment 1200 First Street, N.E., 5th Floor Washington, D.C. 20002  E-MAIL: jennifer.dietzen@dc.gov  PHONE NUMBER: 202-481-3942 (desk) 202-536-8556 (mobile)	GOVERNMENT REPRESENTATIVE (Name, title, and complete address) Lisa Bynum, Realty Specialist USDA, ARS, BARC, Real Property Section 10300 Baltimore Avenue, Building 003, Room 308A Beltsville, Maryland 20705-2350  E-MAIL: Lisa.Bynum@ars.usda.gov  PHONE NUMBER: 301-504-5188	

PURPOSE (Describe privilege being granted)


To conduct wetland studies, as outlined in the attached "Wetland Conservation Plan Update and Registry" document.

DESCRIPTION OF PROPERTY (If Exhibit attached, indicate such) ☒ LAND ☐ BUILDING

Grounds of the U.S. National Arboretum (USNA).


**SPECIAL CONDITIONS**

1. A list of study participants requiring access shall be submitted to the USNA Security Department via Debbie Cicala, USNA Administrative Officer (Debbie.Cicala@ars.usda.gov or 202-245-4553) prior to commencing activities.
2. No vegetation shall be picked or removed from USNA grounds.
3. Permittee shall abide by the General Terms and Conditions of this Revocable Permit.
4. Permittee shall comply with all the terms in Item 4 of the General Terms and Conditions of this Revocable Permit, but specifically with the attached Code of Federal Regulations, Title 7, Chapter V, Part 500, Subpart A, "Conduct on U.S. National Arboretum Property".
5. USNA shall not be responsible for personal injury or property damage incurred or caused while on the premises.

LEASE CONTRACTING OFFICER (LCO) OR AUTHORIZED REPRESENTATIVE		
SIGNATURE 	NAME (Typed or Printed) Lisa Bynum, Realty Specialist	DATE ISSUED 09/09/16

**PERMITTEE**

This Permit is accepted subject to the special conditions, general terms and conditions and requirements expressed herein.

SIGNATURE 	NAME AND TITLE (Typed or Printed) Jennifer Dietzen, Environmental Protection Specialist	DATE ISSUED 9/9/16
--	--	-----------------------

Form ARS-494 (8/2016)

This form was electronically produced by USDA/ARS/OCIO/EASB.

USDA-ARS

## GENERAL TERMS AND CONDITIONS

1. **Grant** - This permit is granted by the United States of America, acting by and through the Lease Contracting Officer, or duly authorized representative, for the specified purposes, and subject to the conditions and requirements set forth herein.
2. **Use Limitations** - The permittee's use of the described premises is limited to the purposes herein specified. The permit is subject to such easements and rights-of-way in, over, or upon the herein-described lands that have been granted or that may hereafter be granted by the Government and shall be subject further to the right of access by duly authorized Federal Personnel to any part thereof in the performance of official duties.
3. **Damages** - The permittee shall hold the United States harmless from claims, demands, suits in law or in equity of any kind or nature for damage to or loss of property, or of injury to, or death of persons resulting from or attributable to the development, use or maintenance of the herein-described lands of the Government.
4. **Operating Rules and Laws** - The permittee shall keep the premises in a neat and orderly condition at all times, and shall comply with all municipal, county, and State laws applicable to operations under the permit as well as all Federal laws, rules, and regulations governing the area described in this permit.
5. **Responsibility of Permittee** - The permittee, by operating on the premises, shall be considered to have accepted these premises with all the facilities, fixtures, or improvements in their existing condition as of the date of this permit. At the end of the period specified or upon earlier termination, the permittee shall give up the premises in as good order and condition as when received except for reasonable wear, tear, or damage occurring without fault or negligence. Notwithstanding other provisions in this permit requiring reasonable care, the permittee shall be strictly liable for any and all damages to property, real or personal, including, but not limited to, damages or loss caused from fires, or injury to or loss of livestock, resulting from or attributable to the use or operation on the herein-described lands.
6. **Revocation Policy** - This permit may be revoked at the will of the Lease Contracting Officer, or duly authorized representative. Upon giving of such notice or revocation, this permit shall be null and void and, within a period of not more than 30 days, the property of the permittee shall be removed in such manner as not to endanger property of the Government or to interfere with the use thereof by the Government, and the premises utilized in this permit shall be restored to the same condition as when this permit was first issued, ordinary wear and tear excepted.
7. **Termination Policy** - At the termination of this permit, the permittee shall immediately give up possession to the Government representative, reserving the rights specified in paragraph 8.
8. **Removal of Permittee's Property** - Upon the expiration or termination of this permit, the permittee may, within a reasonable period as stated in this permit or as determined by the Government representative, but not to exceed 30 days, remove all structures, machinery and/or equipment, etc., from the premises for which the permittee is responsible. Upon failure to remove any of the above items within the aforesaid period, they shall become property of the United States.
9. **Transfer of Privileges** - No rights under this permit may be transferred without the advance written approval of the Lease Contracting Officer, or duly authorized representative.
10. **Officials Barred from Participating** - No member of or delegate to Congress or Resident Commissioner shall be admitted to any share or part of this permit or to any benefit to arise therefrom. This provision shall not be construed to extend to this permit if made with a corporation for its general benefit.
11. **Use of Insecticides** - The permittee shall not use an "Active Ingredient" as defined in Section 2 of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, (61 Stat. 163; 7 U.S.C. 136 et seq.) in violation of said Act on the land described in this permit.

6. The study activities shall not interfere with ongoing USNA operations in surrounding areas.
7. Disturbed grounds shall be returned to original condition or better.
8. Due to ongoing sewage contamination in Hickey Run (from sites north of the property), Permittee and study participants shall use the proper protective equipment and protocols for study activities in Hickey Run.
9. Permittee shall provide a copy of the information gathered to Dr. Richard Olsen, USNA Director (Richard.Olsen@ars.usda.gov).