

## QUARTERLY/ANNUAL PERFORMANCE REPORT NARRATIVE

Cooperative Agreement #: CA_P18AC01264
Award Recipient: White Clay Watershed Association
Project/Program Title: Wild & Scenic River Funding
Date: April 2, 2019
Period Covered by Report: January 1, 2019 – March 31, 2019
Funds expended during this reporting period: <b>\$21,705.40</b>
Submitted by: Shane Morgan, Management Plan Coordinator
Submitted to: National Park Service – Partnership Wild & Scenic Rivers

Summary of work performed during the period covered by the report:

### **Administration (\$14,840.37)**

Continued participation in watershed wide meetings throughout the quarter: Christina Watershed Municipal Partnership, Christina Basin Task Force, individual meetings with various watershed stakeholders, Board of Supervisors and other municipal meetings. Conducted White Clay Steering Committee Quarterly meeting and maintained and updated program fiscal records. Wrote and submitted the required five year close out report for our former contract agreement. Developed FY19 workplan and budget approved by Committee.

Followed up on development projects in the watershed including the Papermill Road/DeIDOT culvert project in New Castle County, the Chestnut Valley Stream Restoration proposal in New Castle County, the White Clay Creek State Park Master Planning Open Houses, Three Little Bakers Development Proposal, and the New Garden Township cell tower hearings.

Tracked budgets and maintained communications with other non-NPS funders including DeIDOT/RKK, Brandywine Red Clay Alliance, SUEZ, and National Park Foundation.

Handled the writing, design, printing and mailing of the 2018 White Clay Creek Annual update. Submitted SECC application and provided project descriptions to our treasurer with the IRS accomplishments report.

## **Education (\$5903.03)**

### Municipal Outreach:

- Convened a meeting of municipal engineers and staff to continue discussions on their stormwater plans and permit applications to PA DEP and learn where they are in the revision process in early March.
- Continued conversations with PA-DEP staff to understand how each TMDL plan is being reviewed and acted as a liaison between the municipality and PA DEP as questions arose.
- Continued exploration of additional BMP opportunities in the Pennsylvania MS4 municipalities, including the use of riparian buffers to meet stormwater permit requirements.
- Participated in the Christina Watershed Municipal Partnership monthly planning meetings to formalize our structure so we can be proactive in receiving funding to continue this work. Applied for a PA DEP environmental education grant (through Brandywine Red Clay) to support our education efforts with the watershed municipalities.
- Met individually with several White Clay municipalities (specifically West Grove Borough, Franklin Township, and New Garden Township) to discuss strategies and gain support for grant applications).
- Submitted application to the E.K. Dockstader Foundation for a grant to specifically support a GSI assessment for West Grove borough and implementation for one selected BMP in the borough.
- Working on the framework of another (NFWF DRCF) grant to support multi-municipal collaboration on stormwater management strategies in Pennsylvania.
- Met with New Castle County (DE) Special Services Department to discuss implementing green infrastructure at Paper Mill Park in partnership with their GreenNCC initiative. Currently we are in the planning process for a rain garden to be installed late summer/fall 2019. I am collaborating with Delaware Nature Society to help with the outreach.

### School Programming:

Provided transportation funding for 800 Avon Grove Intermediate School Students to attend a field trip to Stroud Water Research Center.

### Community Outreach:

- Website stats: 1117 unique visitors, 1150-page visits, and 2275-page views during the months of October – December, 2018. The most popular content during this period was the maps page.
- Maintained social media updates, website updates, and E-mail communications.
- Creek Fest 2019 planning and outreach: maintained contact with exhibitors, vendors, and entertainment acts for the 2019 creek fest. Handled all public relations work (design of postcards, banners, flyers, social media graphics, web site updates, water bottles, reusable bags, native plants, etc.) Printed and mailed 750 post cards out to targeted mailing list. Worked with exhibitors on parts of their displays, recruited new exhibitors and vendors.
- Published article in the Chester County Press (local newspaper) about the Catch the Rain program.

- Presented at the Delaware River Watershed Initiative Winter Gathering in February on working with residents and private land owners on voluntary best management practices based off of my experience implementing the Catch the Rain program.

## **Restoration (\$962.00)**

### Stream Monitoring Projects:

- Volunteer coordination and management of four sensor stations.
- Continued to use UD intern to collect stream samples at four sensor stations for N, P, CL, TSS and bacteria.
- Met with Jinjun Kan (Stroud) to develop and finalize the work plan and strategy for the 2019 bacteria sampling and microbial source tracking program.
- Met monthly with Rob Tuttle to develop and refine software using the open source R that meets the needs of our monitoring efforts in the Christina Basin.
- Continued to refine the draft water quality monitoring plan and field protocols for volunteers.
- Met twice with University of Delaware undergraduate students and the Water Resources Center, first to discuss their project interests and help them select the sampling sites and second to physically show them the sites. The students are taking an independent study course this spring and are conducting stream sampling for nitrate and sediment fingerprinting at five existing sites (under the direction of Jerry Kauffman, UD).
- Continued to manage data submitted by volunteers and refine data entry templates.
- Continued to update and refine interactive water quality map with UD WRC.
- Met with Kristen Travers (DNS) to discuss summer 2019 water sampling and summer intern.
- Located new sensor site and gained permission from West Grove Borough for installation. Working with Stroud on logistics.

### Catch the Rain Program:

- Met with 4 Catch the Rain applicants (3 new and 1 former applicant) and provided site reports.
- Continued communications with London Croft HOA and Brandywine Conservancy regarding a riparian buffer planting on HOA lands. The buffer planting is scheduled for May 2019.
- Met with former applicant to review buffer planting with land owner and Brandywine Conservancy, developed plan and received confirmation from land owner to proceed with planning efforts. The buffer planting is scheduled for spring 2020.
- Continued conversations with Avon Grove Intermediate School regarding potential projects and presented a new opportunity to work with Natural Lands on providing a master plan for the entire property.
- Coordinating with Brian Winslow (BRC) and Karen Clancy (NL) to help them with locating projects in the White Clay at institutions (schools), parks, commercial lands for full GSI assessments using their William Penn Funding.

### Land Stewardship:

- Maintained communications with Red Tail Restoration on work being done in New Garden Township at existing trails and the New Garden Park Riparian Buffer (supported by funds from New Garden Township with oversight from WCWS Program)
- On-going: land stewardship work conducted at Hoopes farm, Hutchinson farm, and Franklin Preserve.

- Met with Kristen Travers (DNS) to collaborate on potential stewardship work at Middle Run in Delaware.

## **Land Preservation (\$0)**

Update on current Natural Lands Projects:

- Christie: Funds were put in escrow with the title company for the 4.2-acre conservation and trail easement in New Garden Township. The paperwork is complete, but they are waiting on a mortgage subordination from the owners and closing was pushed back to early 2019.

Update on current Brandywine Conservancy Projects:

- The 190-acre Hutchinson Farm Preservation in Penn Township closed in late March. This includes the 38-acre woodland parcel in London Grove Township.
- The Shaw land preservation project located on a 45 acres across three townships, will need to undergo a reverse subdivision process before it can be preserved. This land is being donated by the landowner, but the landowner is not willing to pay for the costs of the easement or the endowment so John is working to find additional funding.

Other:

- Working with Franklin Township and John Goodall (Brandywine Conservancy) on landowner outreach in the township along the Middle Branch.
- Working with New Garden Township to learn more about the Mason Dixon Trail that runs through the township.

# Federal Financial Report

(Follow form Instructions)

OMB Number: 4040-0014  
Expiration Date: 01/31/2019

<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b> <input style="width: 90%; height: 20px;" type="text" value="National Park Service"/>		<b>2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment)</b> <input style="width: 90%; height: 20px;" type="text" value="P18AC01264"/>	
<b>3. Recipient Organization (Name and complete address including Zip code)</b> Recipient Organization Name: <input style="width: 95%; height: 20px;" type="text" value="White Clay Watershed Association"/> Street1: <input style="width: 95%; height: 20px;" type="text" value="PO Box 10"/> Street2: <input style="width: 95%; height: 20px;" type="text"/> City: <input style="width: 30%; height: 20px;" type="text" value="Landenberg"/> County: <input style="width: 40%; height: 20px;" type="text" value="Chester (PA) / New Castle (DE)"/> State: <input style="width: 40%; height: 20px;" type="text" value="PA: Pennsylvania"/> Province: <input style="width: 40%; height: 20px;" type="text"/> Country: <input style="width: 40%; height: 20px;" type="text" value="USA: UNITED STATES"/> ZIP / Postal Code: <input style="width: 40%; height: 20px;" type="text" value="19350-0010"/>			
<b>4a. DUNS Number</b> <input style="width: 90%; height: 20px;" type="text" value="094577926"/>	<b>4b. EIN</b> <input style="width: 90%; height: 20px;" type="text" value="23-7116453"/>	<b>5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment)</b> <input style="width: 95%; height: 20px;" type="text"/>	
<b>6. Report Type</b> <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input type="checkbox"/> Final	<b>7. Basis of Accounting</b> <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual	<b>8. Project/Grant Period</b> From: <input style="width: 80%; height: 20px;" type="text" value="10/1/2018"/> To: <input style="width: 80%; height: 20px;" type="text" value="9/30/2023"/>	<b>9. Reporting Period End Date</b> <input style="width: 90%; height: 20px;" type="text" value="3/31/2019"/>
<b>10. Transactions</b> (Use lines a-c for single or multiple grant reporting)			<b>Cumulative</b>
<b>Federal Cash (To report multiple grants, also use FFR attachment):</b>			
a. Cash Receipts			<input style="width: 80%; height: 20px;" type="text" value="\$16,846.88"/>
b. Cash Disbursements			<input style="width: 80%; height: 20px;" type="text" value="\$38,552.28"/>
c. Cash on Hand (line a minus b)			<input style="width: 80%; height: 20px;" type="text" value="(\$21,705.40)"/>
(Use lines d-o for single grant reporting)			
<b>Federal Expenditures and Unobligated Balance:</b>			
d. Total Federal funds authorized			<input style="width: 80%; height: 20px;" type="text" value="\$0.00"/>
e. Federal share of expenditures			<input style="width: 80%; height: 20px;" type="text" value="\$16,846.88"/>
f. Federal share of unliquidated obligations			<input style="width: 80%; height: 20px;" type="text" value="\$21,705.40"/>
g. Total Federal share (sum of lines e and f)			<input style="width: 80%; height: 20px;" type="text" value="\$38,552.28"/>
h. Unobligated balance of Federal Funds (line d minus g)			<input style="width: 80%; height: 20px;" type="text" value="(\$38,552.28)"/>
<b>Recipient Share:</b>			
i. Total recipient share required			<input style="width: 80%; height: 20px;" type="text" value="\$0.00"/>
j. Recipient share of expenditures			<input style="width: 80%; height: 20px;" type="text"/>
k. Remaining recipient share to be provided (line i minus j)			<input style="width: 80%; height: 20px;" type="text"/>
<b>Program Income:</b>			
l. Total Federal program income earned			<input style="width: 80%; height: 20px;" type="text" value="\$0.00"/>
m. Program Income expended in accordance with the deduction alternative			<input style="width: 80%; height: 20px;" type="text"/>
n. Program Income expended in accordance with the addition alternative			<input style="width: 80%; height: 20px;" type="text"/>
o. Unexpended program income (line l minus line m or line n)			<input style="width: 80%; height: 20px;" type="text"/>

11. Indirect Expense						
a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
g. Totals:				<input type="text"/>	<input type="text"/>	<input type="text"/>

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

**13. Certification: By signing this report, I certify that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil or administrative penalties. (U.S. Code, Title 18, section 1001)**


a. Name and Title of Authorized Certifying Official

Prefix:  First Name:  Middle Name:

Last Name:  Suffix:

Title:

b. Signature of Authorized Certifying Official



c. Telephone (Area code, number and extension)

d. Email Address

e. Date Report Submitted

**14. Agency use only:**