

QUARTERLY/ANNUAL PERFORMANCE REPORT NARRATIVE

Cooperative Agreement #: CA_P13AC01266
Award Recipient: White Clay Watershed Association
Project/Program Title: Wild & Scenic River Funding
Date: April 4, 2018
Period Covered by Report: January 1, 2018- March 31, 2018
Funds expended during this reporting period: \$21,623.62
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 (\$14,366.33)

Continued participation in watershed wide meetings throughout the quarter: Christina Watershed Municipal Partnership, Christina Basin Task Force, Christina Healthy Water Fund, individual meetings with various stakeholders, and occasional Board of Supervisors meetings. Conducted White Clay Steering Committee Quarterly meeting and maintained and updated program fiscal records and worked with committee members to spend down remaining funds in current 5-year contract. Continued to correspond and meet with White Clay UD WRC student intern, Jillian Young to implement work plan.

Networked with other watershed partners to seek additional grant funding for projects in White Clay Creek including River Network, DelDOT, USGS, PDE, Stroud, BRC and NPS. Followed up on development projects in the watershed including the Papermill Road/DelDOT culvert project in New Castle County, the pedestrian bridge proposal in City of Newark, and maintained a presence at the New Garden Township cell tower hearings.

Submitted a proposal for a National Park Service/USGS Water Quality Partnership Grant in coordination with USGS senior scientist, Lisa Senior, entitled 'Evaluation of suspended sediment sources, concentrations, and loads in relation to streamflow and season in White Clay Creek, a National Wild and Scenic River. We will be notified by early April whether we need to submit a full proposal.

Submitted a proposal for a National Park Foundation/Rivers 50 grant to partner with West Grove Borough on expanding the Catch the Rain program in combination with a stream restoration.

Submitted a proposal for a mini-grant via Rivers Network to host a 50th Wild and Scenic Anniversary event/membership drive for the WCWA.

Worked with the Steering Committee to develop and pass the FY18 Operating Budget.

In addition to professional services of the management plan coordinator and basic operating expenses, this quarter expenses includes design, printing and mailing of our annual report.

Education (\$6,106.72)

School Programs: No programs were held during the winter quarter.

Municipal Outreach:

Ellen Kohler, PLC, updated elected officials from participating municipalities on CWMP progress at their January - March Board of Supervisors meetings, and convened a meeting of municipal engineers and staff to work on next steps of the White Clay collaboration. Continued conversations with PA-DEP staff to understand how each TMDL plan will be reviewed and acted as a liaison between the municipality and PA DEP if questions arise and permits need to be amended. Continued exploration of potential opportunities for collaboration (such as BMP maintenance and inspection). Attended several Christina Watershed Municipal Partnership meetings to formalize our structure and setting the groundwork for the next round of permits so we can be proactive in receiving funding to continue this work. Starting discussions with various partners on the possible of working together to seek grant funding to write a Watershed Implementation Plan for the White Clay.

Community Outreach:

- Website stats: 920 unique visitors, 970-page visits, and 2.25k page views during the first quarter of 2018. (reported on March 23)
- Maintained social media and website updates and E-mail communications.
- Contributed article to the London Grove and New Garden Township Newsletters about our volunteer citizen scientists and the stream monitoring program.
- Sent out reminder Creek Fest Save the Date to exhibitors, completed graphic design for 2018 Creek Fest Materials and publications, attended and participated in Creek Fest Planning Meetings with Delaware State Parks.
- Created and mailed (1600) postcards to Delaware residents detailing how we have used the White Clay Preservation Fund to support water quality projects in the White Clay and updated website with a Preservation Fund page that includes more information. Extra post cards will be used at outreach events.
- Wrote, designed, and published the 2017 Annual Report and mailed out to elected officials, tax preparers, and WCWA members.
- Attended several working meetings with Rob Tuttle (volunteer assisting us with data management and reporting), Kristen Travers (DNS) and Kim Hachadoorian (TNC) to develop quarterly education pieces based on our stream monitoring results. Culminating in an online article on salt pollution in our local streams as part of an effort to report on real time data collected by citizen scientists in the watershed.

Restoration (\$ 1,150.57)

Stream Monitoring Projects:

- Closed out both the DRWI and EPA/Stroud Stream Sensor grants by submitting final reports for both the Watson's Mill, Egypt Run, and Mill Creek Mayfly Sensors. Created presentation about volunteering opportunities in the White Clay Watershed for the Chester County Master Watershed Stewards bimonthly meeting in an effort to boost future volunteer recruitment to meet the needs of an expanding stream monitoring program.
- Worked with DelDOT, DNS and Stroud to locate a new sensor station in Middle Run to collect pre and post project data. DelDOT has pledged to support this monitoring effort up to \$6700 for the first year of monitoring.
- Collected grab samples for chloride analysis at the three existing sensor sites after snow melts.
- Continued working with Andrew Homsey to refine the online ARCGIS map of the watershed with all monitoring sites and interchangeable layers. This will help track what we are doing in the White Clay and be accessible to the public.
- Several working meetings 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. We have a working version that we are now trialing with the Mayfly sensor data using a package called RShiny.
- Continued taking bi-monthly samples for bacteria at three sensor sites. Planning underway for 2018 sampling.
- Continue to manage data submitted by volunteers and refine data entry templates.
- Continued working on basic framework for overall stream monitoring plan and goals and schedule Restoration Subcommittee meeting for April.
- Purchased used flow meter.

Catch the Rain Program:

- Worked with the City of Newark to determine how the Catch the Rain program could work with their new Storm Water Utility and grant program they are developing for City residents. Residents can apply for up to \$5000 to implement green storm water practices on their properties.
- Met with program applicant (from May 2017) who is ready to install a practice to do a preinstall site visit and rebate estimate. Provided updated rebate estimate (@\$1800). Homeowner has scheduled install of trees and conservation landscaping for spring 2018.

Franklin Preserve Reforestation and Land Stewardship:

- Greg Gagliano (Red Tail Restoration) focused on invasive species removal this winter, including cutting and chemical treatment of woody vines and mechanical removal of

multiflora rose throughout the property edges of existing woodland surround the planting. He worked with Franklin Township on strategies to deal with voles.

- Met with Greg Gagliano and Mike Zuk on Hoopes Farm to go over buffer management strategies that will satisfy the Wild and Scenic Program and still meet the CREP program requirements.
- Met with Greg Gagliano on site at the New Garden Park stream buffer project to discuss future management. Greg submitted a work proposal directly to New Garden Township Manager, Tony Scheivert.

Land Preservation (\$0)

Update on current Natural Lands Trust Projects:

- Reynolds: This project closed on December 28, 2017, but we have not received the bill this quarter. The Wild and Scenic Committee reserved \$7000 of FY17 funds towards the conservation easement on the 178-acre property in New Garden Township. The total cost of this project is 2.3 million.
- St. Anthony's is still pending. New Garden Township sent a letter of intent to purchase the land outright. The Wild and Scenic Committee reserved \$5000 of FY16 funds towards the conservation and trail easements on the 137-acre property in New Garden Township expected to close this year. The total cost of this easement was estimated at 1.3 million, but is expected to go up since the land will be sold outright to the township.
- Christie: This is currently on track to close in early 2018. The Wild and Scenic Committee reserved \$3000 of FY16 funds towards the conservation and trail easements on the 4.2-acre property in New Garden Township. The total cost of this project is \$67,000.
- Two other potential projects in New Garden Township. A 45-acre farm that is just in the initial stages of negotiation and therefore not likely not close before the September spending deadline, and a 2-parcel 15-acre piece of land along Walnut Run that she feels could close quickly if it were to move forward. She will send out more information on each new project to the committee as they progress.

Update on current Brandywine Conservancy Projects:

- John Goodall (Brandywine Conservancy) is still working on the Hutchinson property (in Penn Township, PA). Due to the weather, the additional agricultural BMPs have not been installed yet, and no bill has been received. The Committee agreed to commit funds (\$2000/year) for the first year of buffer stewardship.
- John Goodall presented an additional land preservation project located across three municipalities (Penn, New London, and London Grove). It is @45 acres in total that will be put under easement. The Committee agreed to support this project with the remaining funds (\$4500) in our FY17 open space budget.

Federal Financial Report

(Follow form Instructions)

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

1. Federal Agency and Organizational Element to Which Report is Submitted <input style="width: 90%; height: 20px;" type="text" value="National Park Service"/>		2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) <input style="width: 80%; height: 20px;" type="text" value="P13AC01266"/>	
3. Recipient Organization (Name and complete address including Zip code) 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"/>			
4a. DUNS Number <input style="width: 90%; height: 20px;" type="text" value="094577926"/>	4b. EIN <input style="width: 90%; height: 20px;" type="text" value="23-7116453"/>	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) <input style="width: 95%; height: 20px;" type="text"/>	
6. Report Type <input checked="" type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual	8. Project/Grant Period From: <input style="width: 80%; height: 20px;" type="text" value="9/10/2013"/> To: <input style="width: 80%; height: 20px;" type="text" value="9/30/2018"/>	9. Reporting Period End Date <input style="width: 90%; height: 20px;" type="text" value="3/31/2018"/>
10. Transactions (Use lines a-c for single or multiple grant reporting)			Cumulative
Federal Cash (To report multiple grants, also use FFR attachment):			
a. Cash Receipts			<input style="width: 80%; height: 20px;" type="text" value="\$286,790.62"/>
b. Cash Disbursements			<input style="width: 80%; height: 20px;" type="text" value="\$308,414.24"/>
c. Cash on Hand (line a minus b)			<input style="width: 80%; height: 20px;" type="text" value="(\$21,623.62)"/>
(Use lines d-o for single grant reporting)			
Federal Expenditures and Unobligated Balance:			
d. Total Federal funds authorized			<input style="width: 80%; height: 20px;" type="text" value="\$393,600.00"/>
e. Federal share of expenditures			<input style="width: 80%; height: 20px;" type="text" value="\$286,790.62"/>
f. Federal share of unliquidated obligations			<input style="width: 80%; height: 20px;" type="text" value="\$21,623.62"/>
g. Total Federal share (sum of lines e and f)			<input style="width: 80%; height: 20px;" type="text" value="\$308,414.24"/>
h. Unobligated balance of Federal Funds (line d minus g)			<input style="width: 80%; height: 20px;" type="text" value="\$85,185.76"/>
Recipient Share:			
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"/>
Program Income:			
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:**