

QUARTERLY/ANNUAL PERFORMANCE REPORT NARRATIVE

Cooperative Agreement #: CA_P13AC01266
Award Recipient: White Clay Watershed Association
Project/Program Title: Wild & Scenic River Funding
Date: January 1, 2017
Period Covered by Report: October 1, 2016- December 31, 2016
Funds expended during this reporting period: \$14,485.41
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 (\$7809.33)

Participated in several watershed wide meetings throughout the quarter: Christina Watershed Partnership (formerly known as CTIP), Healthy Water Fund, Stroud Water Research Center Watershed 101 Training, Pipeline site visits with Eastern Shore, FERC and NPS, individual meetings with various stakeholders, and several Board of Supervisors meetings. Maintained and updated program fiscal records and worked with committee members to develop draft budget for FY17. Provided narrative for IRS reporting and started gathering materials and statistics for the 2016 Annual Report.

Education (\$2176.82)

School Programs:

- Avon Grove Intermediate School programs completed. 800 students served.
- Assumption BVM signed up for a spring 2017 watershed program for a 4.5-hour stream study at Stroud for 40 seventh grade students.
- Kennett High School AP Environmental Biology class completed program at Stroud (grades 11-12). 24 students served.

Creek Fest:

- First planning meeting held October 27th.
- Developed task list for planning committee with tasks listed by person.
- Worked with Master Water Stewards to provide volunteer hours for one steward to assist with Creek Fest and developed a work plan.
- Started communications with vendors and exhibitors
- Sent save the date and updated Google sign up form and spreadsheet
- Updated vendor forms and started contacting food vendors

Community Outreach:

Website stats: 502 average visits (unique user with several page views)/month, 1012 unique page views/month, 394 unique visitors/month.

Presented talk on the history of the White Clay Creek Wild and Scenic River, and how we are using green infrastructure (plants) help improve water quality to 70 attendees at the Osher Lifelong Learning Institute, University of Delaware Wilmington campus, as part of their Gardening Speakers Series on November 29th.

Met with Kelley Dinsmore and Kecia Crowl to review new interpretive signage for the Newark Reservoir. First draft of the 3x6' sign was complete in December and is under review.

Provided article for the New Garden Township December newsletter on the MS4 collaboration work. This article will be a template for all participating municipalities to use in their communications with the public. Link to article:

http://newgarden.info/newsletter/MS4%20Collaboration%20Article_New_Garden_12_2016-cr.pdf

Restoration (\$4,499.26)

Stream Monitoring Projects:

Met with Jinjun Kan, Laura Borecki, Jenny Egan and Kristen Travers at Stroud to review bacteria sampling and microbial source tracking data and develop a path forward for 2017 sampling. Jinjun and Shane will be working on putting together the proposal for 2017 sampling for the Committee to review. Jenny will continue to work on the narrative for the journal article submission (summer 2017). Shane will review data entry and graphing needs with UD student intern.

Met with new University of Delaware WRA intern, Briana Diacopoulos, Martha Narvaez, Andrew Homsey and Jenny Egan to revise FY16 graduate student work plan. Student is checking all bacteria data entered to date back to field and lab sheets for accuracy, updating the master spreadsheet to include data from all sampling years, both PA and DE, and adding data from DNREC, USGS and potentially data from two other intakes. Once data is input and organized, she will begin creating graphs for use in a journal article (likely JAWRA) providing an overview of the bacteria work conducted up to summer 2016.

Continued to communicate with Marion Waggoner and Dave Yake (Save our Water). Scheduled a meeting to review their yearlong monitoring results with Jan Bowers, Denis Newbold and myself on January 12th at Chester County Water Resources Authority. Mr. Waggoner, Mr. Yake and another Save our Water volunteer will also be attending a DIY Remote Sensor workshop with Shane at Stroud in January. They have agreed to install and maintain a remote sensor at Broad Run as part of a pilot study for White Clay and as part of the larger citizen science work that Stroud is carrying out. WCWA will receive grant funding from Stroud (\$4850) to purchase a sensor and maintain it with technical assistance from Stroud in return for a workshop (hosted by WCWA for citizen scientists) and six months of monitoring. They are also willing to maintain a remote sensor at Egypt Run if we have the ability to purchase a second sensor.

Christina Basin TMDL Implementation Partnership:

- Met with township managers at New Garden, Franklin, and London Grove to gauge interest in a multi-municipal collaboration on the upcoming stormwater management plans for DEP.
- Attended multiple meetings with the Christina Watersheds Partnership (CWP), formerly known as the Christina TMDL Implementation Partnership, to develop path forward for the multi-municipal collaboration that includes a suburban pilot area in White Clay Creek.
- Andrew Homsey will be assisting the White Clay pilot area with their mapping needs as part of the technical assistance UDWRA provides to the WCWSP. The first mapping meeting was held in November.
- Received first installment of \$5000 from the BRCA to support the work of the White Clay Pilot Lead (Ellen Kohler).

- Continued to attend Board of Supervisor meetings in the White Clay Pilot area including a third meeting with Franklin Township, and a first with London Britain to ask for support of the CWP and MS4 pilot work. Signed resolutions to participate in the collaboration have been received from London Grove, New Garden, Franklin, Avondale and West Grove. London Britain has decided to wait and see if they can obtain a permit waiver.
- Met with Melinda Daniels, Dave Arscott, John Jackson, and Ellen Kohler (at Stroud) to discuss the pilot MS4 collaborative and asked them for help in assessing potential areas to receive BMPs and their effectiveness.
- Met with Andrew Homsey to review mapping needs (utilizing the SRAT model developed by the DRWI) for the White Clay MS4 Collaboration work on TMDL plans. White Clay specific maps have been shared with the municipal engineers and staff, and will be reviewed with the municipalities at the January stakeholder meeting.

Catch the Rain Program:

Continued to meet periodically with Beth Burnam to develop the Catch the Rain pilot program materials and discuss future program needs and potential partners (such as Mt. Cuba and Delaware Nature Society).

Hosted second Catch the Rain workshop on October 12 at London Grove Township Building (12 attendees).

Working with Claudia West (North Creek Nursery) to develop a means for homeowners to order, purchase and pick up flats normally only available via wholesale, at a Gateway Garden Center (a local retail nursery).

Completed 9 site visits and 9 corresponding site reports for the Catch the Rain program.

Developed additional educational materials for Catch the Rain site reports:

1. Suggested Plant Lists
2. Percolation Test Instructions
3. Sample Planting Palette and Instructions
4. Maintenance Schedule
5. Suggested Contractor/Retailer List
6. White Clay CTR Owner Agreement.

Land Preservation/Reforestation

Greg Gagliano (Red Tail Restoration LLC) continued restoration work at the Franklin Preserve removing woody invasive species.

The Committee agreed to release \$2500 of Wild and Scenic Funds to John Goodall in support of the Hutchinson Farm Agricultural BMP implementation. Total project costs are @\$30,000. John still need to find some additional funds (@\$2700) for the project to move forward.

A volunteer tree planting on the Frankenberger property in Penn Township took place October 15th led by Brandywine Conservancy. Seventy-five volunteers planted three hundred additional trees along the riparian buffer over two hours.

NLT closed on the Boddorf property (London Grove Township) in October.

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted National Park Service	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) P13AC01266	Page of 1 1 pages
---	--	-------------------------

3. Recipient Organization (Name and complete address including Zip code) White Clay Watershed Association, PO Box 10, Landenberg, PA 19350
--

4a. DUNS Number 094577926	4b. EIN 23-7116453	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment)	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 (Month, Day, Year) From: 9/10/2013 To: 9/30/2018	9. Reporting Period End Date (Month, Day, Year) 12/31/2016
---	--

10. Transactions	Cumulative
-------------------------	------------

(Use lines a-c for single or combined multiple grant reporting)

Federal Cash (To report multiple grants separately, also use FFR Attachment):	
a. Cash Receipts	\$175,114.55
b. Cash Disbursements	\$189,599.96
c. Cash on Hand (line a minus b)	(\$14,485.41)

<i>(Use lines d-o for single grant reporting)</i>	
Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	\$294,600.00
e. Federal share of expenditures	\$175,114.55
f. Federal share of unliquidated obligations	\$14,485.41
g. Total Federal share (sum of lines e and f)	\$189,599.96
h. Unobligated balance of Federal funds (line d minus g)	\$105,000.04

Recipient Share:	
i. Total recipient share required	\$0.00
j. Recipient share of expenditures	
k. Remaining recipient share to be provided (line i minus j)	

Program Income:	
l. Total Federal share of program income earned	\$0.00
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11. Indirect Expense	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
				g. Totals:			

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 to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and intent set forth in the award documents. 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. Typed or Printed Name and Title of Authorized Certifying Official David R Hawk, Treasurer	c. Telephone (Area code, number, and extension) 309-314-0642 (email recommended)
	d. Email Address dhawk@ccil.org
b. Signature of Authorized Certifying Official 	e. Date Report Submitted (Month, Day, Year) 12/31/2016

14. Agency use only

Standard Form 425 - Revised 10/11/2011
OMB Approval Number: 0348-0061
Expiration Date: 2/28/2015

Paperwork Burden Statement
According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

There are two anomalies in this report:

The MPC Fee of \$2430.35 and Basic Operating Expenses Reimbursement (\$79.35) for December were not paid until January 3rd and were therefore not included in this report as they normally would be. They will be included in the next Quarterly Report.

The previous Quarterly Report included a reimbursement from NPS funds to Shane for travel to a conference at Stroud. After that report was submitted we received a reimbursement of \$25.27 from Stroud for the same expense. In this Quarterly Report we have credited that amount back to NPS funds (transaction 3455 below).

The following shows the current status of the budget(s):

	Total Budgeted	Previously Reported Expenditures	Expenditures This Report	Amount Remaining
Budget Year: 2013				
Admin				
Contractual	\$22,392.23	(\$22,392.23)	\$0.00	\$0.00
Other	\$151.00	(\$151.00)	\$0.00	\$0.00
Supplies	\$1,563.58	(\$1,563.58)	\$0.00	\$0.00
Travel	\$1,000.00	(\$1,000.00)	\$0.00	\$0.00
Education				
Contractual	\$7,441.49	(\$7,441.49)	\$0.00	\$0.00
Supplies	\$784.86	(\$784.86)	\$0.00	\$0.00
Restoration				
Contractual	\$9,566.84	(\$9,566.84)	\$0.00	\$0.00
Supplies	\$6,000.00	(\$6,000.00)	\$0.00	\$0.00
Travel	\$300.00	(\$300.00)	\$0.00	\$0.00
Subtotal:	\$49,200.00	(\$49,200.00)	\$0.00	\$0.00
Budget Year: 2014				
Admin				
Contractual	\$4,000.00	(\$4,000.00)	\$0.00	\$0.00
Other	\$2,200.00	(\$2,200.00)	\$0.00	\$0.00
Personnel	\$32,500.00	(\$32,500.00)	\$0.00	\$0.00
Supplies	\$500.00	(\$500.00)	\$0.00	\$0.00
Travel	\$1,500.00	(\$1,500.00)	\$0.00	\$0.00
Restoration				
Contractual	\$12,292.93	(\$12,292.93)	\$0.00	\$0.00
Supplies	\$1,807.07	(\$1,807.07)	\$0.00	\$0.00
Travel	\$600.00	(\$404.00)	(\$196.00)	\$0.00
Subtotal:	\$55,400.00	(\$55,204.00)	(\$196.00)	\$0.00

Budget Year: 2015

Admin

Contractual	\$9,440.00	(\$8,994.76)	(\$26.67)	\$418.57
Other	\$2,600.00	(\$2,600.00)	\$0.00	\$0.00
Personnel	\$40,945.68	(\$42,305.73)	\$0.00	(\$1,360.05)
Supplies	\$1,250.00	(\$599.80)	(\$52.99)	\$597.21
Travel	\$1,500.00	(\$1,326.16)	(\$173.84)	\$0.00

Education

Contractual	\$19,184.32	(\$2,809.29)	(\$2,176.82)	\$14,198.21
Supplies	\$1,080.00	(\$464.97)	\$0.00	\$615.03

Restoration

Contractual	\$15,500.00	(\$7,385.04)	(\$4,300.00)	\$3,814.96
Supplies	\$3,500.00	(\$1,946.80)	\$0.00	\$1,553.20

Subtotal: \$95,000.00 (\$68,432.55) (\$6,730.32) \$19,837.13

Budget Year: 2016

Admin

Contractual	\$8,000.00	\$0.00	\$0.00	\$8,000.00
Indirect Costs	\$3,101.00	\$0.00	\$0.00	\$3,101.00
Other	\$2,600.00	(\$2,278.00)	\$0.00	\$322.00
Personnel	\$40,946.00	\$0.00	(\$7,532.46)	\$33,413.54
Travel	\$1,920.00	\$0.00	(\$23.37)	\$1,896.63

Education

Contractual	\$3,200.00	\$0.00	\$0.00	\$3,200.00
Other	\$654.00	\$0.00	\$0.00	\$654.00

Open Space

Contractual	\$5,312.00	\$0.00	\$0.00	\$5,312.00
Land Transactions	\$7,454.00	\$0.00	\$0.00	\$7,454.00
Travel	\$221.00	\$0.00	\$0.00	\$221.00

Restoration

Contractual	\$13,580.00	\$0.00	\$0.00	\$13,580.00
Other	\$8,012.00	\$0.00	(\$3.26)	\$8,008.74

Subtotal: \$95,000.00 (\$2,278.00) (\$7,559.09) \$85,162.91

Total expenditures: (\$14,485.41)

The ledger for the expenditures in these reports is as follows:

Date	Bank/ Chk#	WCWA Trans#	To/From	Amount	Balance
					(\$20,477.45)
10/10/16	WA/1144	3434	Ellen Kohler PLC	(\$111.24)	(\$20,588.69)
			MS4 Municipal Collaboration - Travel		
10/10/16	WA/1144	3434	Ellen Kohler PLC	(\$2,500.00)	(\$23,088.69)
			MS4 Municipal Collaboration		
10/14/16	WA	3437	NPS	\$20,477.45	(\$2,611.24)
			nps reimbursement		
10/31/16	RA/899	3440	Shane Morgan	(\$191.29)	(\$2,802.53)
			reimburse expenses		
11/01/16	WA/1146	3441	Shane Morgan	(\$3,830.61)	(\$6,633.14)
			Administration Services, general administration work		
11/02/16	WA/1147	3442	Ellen Kohler, PLC	(\$1,888.02)	(\$8,521.16)
			work on MS4 municipal collaboration		

11/22/16	WA/1352	3446	Avon Grove School District	(\$1,476.82)	(\$9,997.98)
			buses for trip to stroud		
11/22/16	RA	3455	Stroud	\$25.27	(\$9,972.71)
			contribution to cover Shane's travel expenses		
11/22/16	WA/1351	3445	Stroud	(\$700.00)	(\$10,672.71)
			4.5 hour stream study for 40 students Assumption BVM		
12/01/16	RA/900	3449	Shane Morgan	(\$110.85)	(\$10,783.56)
			reimburse expenses		
12/01/16	WA/1148	3450	Shane Morgan	(\$3,701.85)	(\$14,485.41)
			Administration Services, general administration work		