



Chesapeake Bay Stewardship Fund

Interim Programmatic Report and Payment Request – September 30, 2014

1. Summary of Accomplishments

a. **Lower McCoy** – Project has been expanded and has been completed. All of the final plantings at the site are complete including the wild flowers. This includes a total of four in-stream multi-log vane diverters, a 200' mudsill, riparian plantings of native trees, shrubs, and wildflowers. We also had to amend the upper structures at the site. After several major storms, the multi-vane log deflectors were determined to be inadequate to stop all of the erosion. Working with Pennsylvania Fish and Boat Commission, we were able to install coir logs between the deflectors and plant willow stakes. This effort was successful.

The interpretive sign was completed and installed by a volunteer local construction company. (See Pictures Attached 5-A)

In addition, a significant planting at the McCoy Site on the west side of Spring Creek was undertaken and completed. This ½ mile reach had never been planted due to railroad right of way issues and wetland issues. We were able to obtain transport for our personnel (total of 68 volunteers) and material via the local volunteer fire department's rescue boat. This allowed us to work with 7 other agencies to obtain and plant some 1750 native shrubs and trees along the site. The organization is performing maintenance at these sites and our survival rate is around 95%. (see Pictures Attached 5- B)

b. **Fisherman's Paradise** – The two parking lots and three in-stream structures are completed. Pictures of the installation and results are attached. Most of the work was done by Pennsylvania Fish and Boat Commission personnel and equipment, assisted by Spring Creek TU volunteers. We are working with the Fish and Boat Commission to complete the planting and interpretive sign portion of the project, but do not expect this to be completed by October 30 and request an extension until June 1, 2015. (See pictures attached 5-D)

c. **Rock Road** – All construction on the parking lot and swales has been completed. This project included installation of a pipe diverter to take water running under Rock Road via a culvert and pipe it along side of the re-leveled parking lot to an excavated swale next to the wetlands. In addition, the parking lot was re-graded to tilt back towards Rock Road so that the stormwater would flow into the swale. Finally, wooden posts were installed to discourage dumping and malicious driving in the area. A small amount of riparian plantings will be undertaken in the Spring of 2015. (See pictures attached 5-D).

d. **Oak Hall (Kelly Property)** – Permit approved and received as of August, 2014. The permit was delayed due to the need to find a way to cross the wetlands on the east side of the stream. A log matt was approved in the permit. Unfortunately, the vendor that did the design opted to not take on the construction. This decision was made on August 29th, 2014. We are working with the US Fish and Wildlife Service and they are willing and able to do the project within our budget. However, due to the timing, we will need an extension to the grant. Pennsylvania State law prohibits in-stream work on a Class A, Wild Trout Stream from October 1st until January. With the lateness of the original permit and change in the contractor, there was not time to start, much less complete the project in 2014. Therefore, we request an extension until June 1, 2015 to complete this project.

2. Project Activities & Outcomes

a. Activities

- 2 Parking lots were re-graded, swales built, appropriate stone installed, and posts erected at Fisherman's Paradise.
- 3 in-stream multi-vane deflectors were installed at Fisherman's Paradise
- A parking lot at Rock Road was re-graded and the stormwater diverted into a wetland area.
- As part of the "Lower McCoy bank stabilization and riparian planting project we undertook a major planting project on the west side of the McCoy dam site removal.
- We were able to plant some 1750 native plants including but not limited to hawthorn, red bark,

willows, oak, dogwood and more.

- Spring Creek TU was the managing partner in this project, and we worked hard to incorporate a number of partnering organizations – a partial list of which follows:
- Material was provided by our partner Western Pennsylvania Conservancy – who also supplied 5 volunteers.
- Tools were provided by our partner ClearWater Conservancy.
- Volunteers were provided by the Little Juniata River Association.
- Volunteers were provided by the Centre County Conservation District.
- There were 43 volunteers on the 22nd and 25 volunteers on the 23rd. They traveled from as far away from the site as 100 miles.
- Transportation across Spring Creek was provided by the Milesburg Citizens Hook and Ladder #1.
- We received coverage in the Centre Daily Times [Click for Article On-Line](#)
- We received 18,000 hits on Twitter and significant traffic on Facebook.
- For Complete Slide Show of this planting visit this link: [Planting Slide Show](#)

b. Outcomes

- The construction of the Lower McCoy Bank Stabilization sites is complete and operational. The initial planting has been completed. It is apparent from the fish activity that the sites are providing outstanding habitat. The banks have been stabilized and all erosion has been eliminated.
- The plantings at the McCoy site have a 95% survival rate. This has resulted in a 35’ to 75’ buffer that has stabilized the bank along a 2000’ reach. With the survival and maturing of the 1750 native trees and shrubs, a significant increase in the canopy will be achieved.
- The parking lots and in-stream structures have been installed at Fisherman’s Paradise. The installation of three multi-vane log deflectors has improved the stream flow, thereby reducing the accumulation of silt in the stream bed and reducing the erosion in the area. It improved grading and permeable surface, along with the construction of swales, has virtually eliminated the effects of stormwater from the parking lots and roads. In addition, the installation of 6x6” posts on the perimeter of both of the parking lots, has eliminated destructive parking practices in the immediate area.
- The parking lot and stormwater diversion structures are installed at Rock Road. The effect of this is to significantly reduce the effects of a serious stormwater problem. The parking lot is located at the bottom of a canyon with Rock Road coming down the canyon and turning to parallel the stream. Installation of a pipe to divert the culvert under the road to a swale and wetlands, and grading the parking lot to move the stormwater to the swale has virtually eliminated the impact of the stormwater. In addition, the parking lot is a permeable surface that moves the stormwater to the swale. Construction of 6x6” posts along the perimeter of the parking lot has eliminated significant destructive parking practices in the area.
- The permit for the Oak Hall Project has been received and was donated by the contractor. The substitute contractor (US Fish and Wildlife Service) has been selected. An extension until June of 2015 to complete this project.

3. Timeline and Budget

NFWF Total Grant Project Financial Status (Actual and Projected)							
Sub-Project	Actual	Budget	Grant Variance	Actual Match	Budget Match	Match Variance	Total Project (est.+act.)
	(NFWF Projected)	(NFWF Budget)	() = Under Budget			() = Under Grant	
Milesburg	\$ 17,172.90	\$ 15,850.00	\$ 1,322.90	\$ 47,654.81			\$ 65,784.71
FP & McCoy Plant	\$ 23,178.39	\$ 27,550.00	\$ (4,371.61)	\$ 39,002.93			\$ 62,505.80
Rock	\$ 6,396.66	\$ 7,000.00	\$ (603.34)	\$ 12,171.27			\$ 18,567.93
Oak Hall	\$ 19,400.00	\$ 19,400.00	\$ -	\$ 13,251.96			\$ 32,651.96
Total Grant	\$ 66,147.95	\$ 69,800.00	\$ (3,652.05)	\$ 112,080.97	\$ 47,906.00	\$ 64,174.97	\$ 179,510.40

At this point, our best projections indicate we should complete the project under the original NFWF budget and exceed the required grant by at least twice.

We have requested a non-economic extension of the project to June 1st, 2015.

4. Payment Request

5. Pictures with Labels

5 – A Milesburg Project Pictures



**Lower Milesburg Project – 2012 Before
Note –Step Bank, No Plant, mowing to edge**



**Lower Milesburg – September 2014
200” Mudsill protecting bank, native trees and shrubs, wildflowers and interpretive sign.**



Lower Milesburg project entrance with sign



Picture of the interpretive sign and wildflowers



Upper Milesburg Erosion



Upper Milesburg – After 4 multi-vane log deflectors, coir log, and riparian planting.

5 – B Lower McCoy Planting



McCoy Planting Area – Before Plantings



McCoy Planting Area on the day of planting



McCoy planting – using rescue boat to transport the volunteers across Spring Creek



McCoy planting – during the planting. ½ miles of total stream with 1750 native plants & shrubs



McCoy planting – clearing out the weeds to help them to grow – 95% survival rate.



McCoy Planting – picture from September 2014

5 – C Fisherman's Paradise – In-stream Deflectors and Parking Lots



Fisherman's Paradise – Before diverter



Fisherman's Paradise – After diverter



Fisherman's Paradise – Upper Parking Lot



Fisherman's Paradise – Upper Parking lot stormwater diverted to swale at bottom



Fisherman's Paradise – Lower parking lot.



Fisherman's Paradise – Lower parking lot. Stormwater diverted to swale on right away from creek.

5 – D Rock Road - Parking Lots and stormwater diversion



Rock Road Before Improvements



Planning – DEP, Conservation District , PA Fish & Boat with Spring Creek TU



Building the diverter



Stormwater enters grill and is piped to wetlands



Picture from wetlands back toward Rock Rd.



Parking lot picture from Rock Road.