



PINEY CREEK
WATERSHED ASSOCIATION

P.O. BOX 672
BECKLEY, WV 25802
304-228-1680

"Partnering to Protect Piney Creek - We All Live Downstream"

**NPS1535 YMCA Soccer Complex Barren Land Restoration and Enhancement
Project Phase 1 (Awarded 2015)**

Final Report

**Piney Creek Watershed Association
P.O. Box 672
Beckley, WV 25802**

pineycreekwatershedassociation@gmail.com

(304) 228-1680



Project site. The left picture is March 2016 and the right picture is August 2017

**Danielle Stewart
Executive Director**

**Piney Creek Watershed Association
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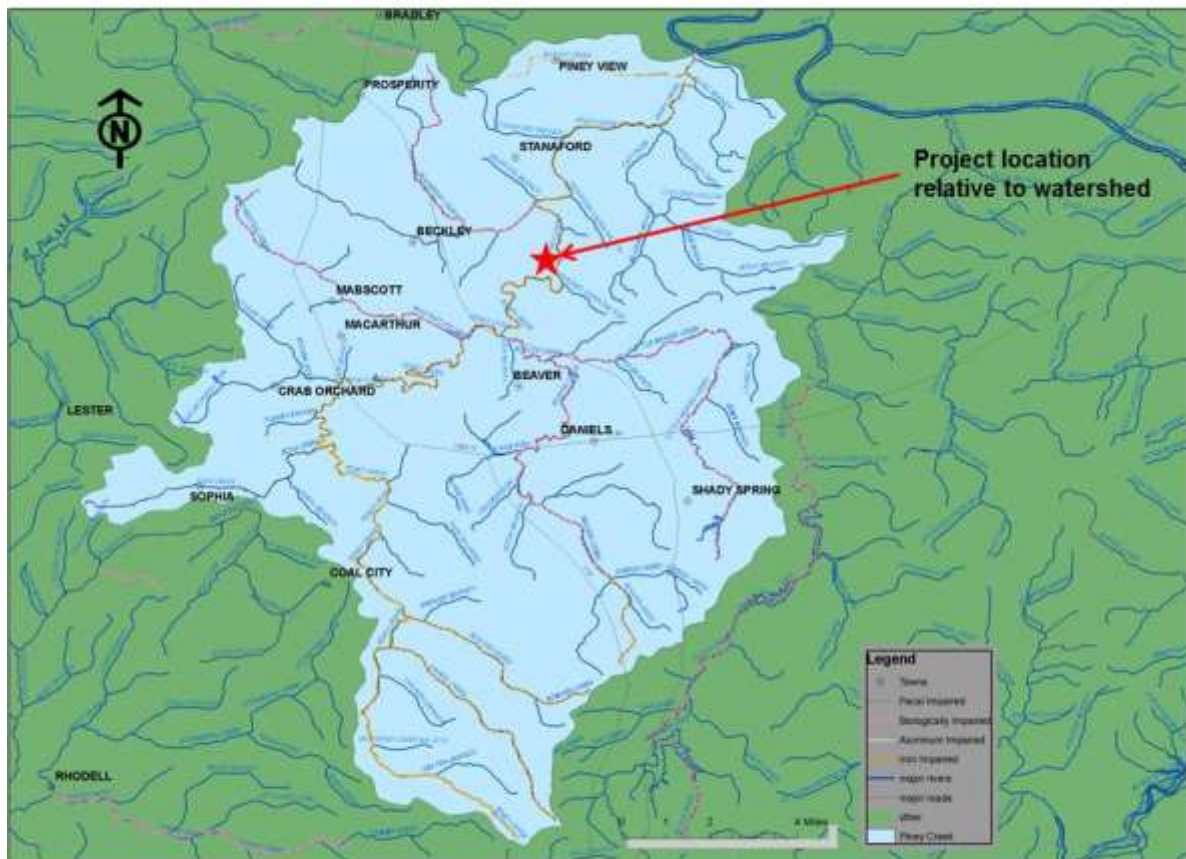
1. Summary.

The project is 100% complete. This project involved grading the landscape, emplacing new drainage features, the creation of a wetland, the revegetation of barren areas, and the construction of trails with signs to highlight the project. This site is stable and self-sustaining at this time. The YMCA of Southern West Virginia is performing what little maintenance is required to maintain the site.

The total project cost was \$91,108.01, of which the EPA through WVDEP funded \$20,139.74. PCWA secured matching in-kind construction services from the Southern Conservation District worth \$25,189.27 and from the YMCA of Southern West Virginia valued at \$36,529.00 for this project. PCWA also coordinated for volunteers to support this project valued at over \$2,400.00 and received \$450 of in-kind support from the WVDEP REAP program.

2. Project Location

The project is located within the city limits of Beckley, WV. Specifically, the project is adjacent to the Paul Cline Memorial Sports Complex (aka YMCA Soccer Fields) at latitude 37.782424, longitude -81.142207.



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3. Problem Description.

WVDEP lists this area as pre-law abandoned mine lands and the project area was never reclaimed. Over the years, storm water runoff eroded the topsoil and left bare rock in most places. Pre-construction measures indicated that ~115 tons per year of sand/rock erosion was coming off the site and into the existing drainage feature, contributing 11.5 pounds of iron per year into the water. This sedimentation flowed directly into Piney Creek.

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4. Project Highlights

- a. Working with partners, Alliance Consulting designed a plan to enhance drainage features and revegetate the site.
- b. PCWA coordinated with the City of Beckley and the YMCA of Southern West Virginia for provision of top soil material for the site.
- c. PCWA contracted with the Southern Conservation District, a subordinate organization of the West Virginia Conservation Agency, to construct the required BMPs and revegetate the site.



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d. PCWA coordinated with WVDEP REAP program to remove over 50 abandoned tires and other "junk" from the site.



e. PCWA coordinated for volunteers to create a butterfly garden at the site.



f. PCWA constructed trails through and around the site to properly guide people around the site. This included the creation and placement of educational and directional signs.

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5. Results.

This project is a huge success. The installed BMPs reduced the amount of sediment runoff to less than .25 tons per year which is deposited in the detention pond. The BMPs also resulted in no traceable amounts of iron leaving the site below the installed BMPs, resulting in an estimated reduction of 11.5 pounds of iron per year entering Piney Creek. The property owners (YMCA) maintain the detention pond and will remove accumulated sediment as needed. The water and vegetation at the site attracts numerous types of insects, especially pollinators, as well as frogs and snakes. The site is self-sustaining and requires little work from the property owner.

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5. Budget

Section 319 Financial Report	
Project: YMCA Soccer Complex Barren Land Restoration and Enhancement	
NPS #: 1535	Phone: (304) 228-1680
Fiscal Year: 16	Fax:
E-mail: pineycreekwatershedassociation@gmail.com	
Grantee: Piney Creek Watershed Association	
Contact: Danielle Stewart, Executive Director	
Reporting period:	1-Jun-16 30-Jun-19
To	From
319 Grant Funds Awarded: \$20,145.00	
Items for match	Match \$
YMCA In Kind Donation (Top Soil)	\$36,529.00
City of Beckley In Kind Donation (Material Hauling)	\$6,400.00
WVDEP REAP In-Kind Service (Tire Hauling and Disposal)	\$450.00
Southern Conservation District	\$25,189.27
Volunteers for Butterfly Garden	\$2,400.00
Totals	\$70,968.27
Request for reimbursement(s) during period	Spent \$
Reimbursement Request #1 (Design and Permits)	\$6,759.66
Reimbursement Request #2 (Project management)	\$1,004.12
Reimbursement Request #3 (Butterfly Garden plants)	\$4,559.98
Reimbursement Request #4 (Butterfly Garden other materials)	\$2,548.17
Reimbursement Request #5 (Trail and Sign Material)	\$1,052.98
Reimbursement Request #6 (Signs)	\$3,216.00
Reimbursement Request #7 (Signs)	\$998.83
Totals	\$20,139.74
Remaining Balance	\$5.26

Provide a list any businesses used in the project that qualify as DBEs.

DBEs	\$
None	\$0.00
Totals:	\$0.00

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6. Points of Contact and Stakeholders

Piney Creek Watershed Association: Matt Wade and Dave Stewart; (304) 228-1680;
pineycreekwatershedassociation@gmail.com

WV DEP: Tim Craddock; (304) 926-0499 x 1040; timothy.d.craddock@wv.gov

Beckley Sanitary Board: Nick Akers; (304) 256-1760; nakers@beckleysanitaryboard.org

YMCA: Jay Rist; (304) 252-0715 x 308; jay.rist@ymcaswv.com

Alliance Consulting: Braden Hoffman; (304) 255-0491 x 146; bhoffman@aci-wv.com

WV Southern Conservation District: Marty Walker-Owen; (304) 253-0261; mwalker@wvca.us