

**PINKERTONS RUN AMD TREATMENT & STREAMBANK STABILIZATION**  
**CONTRACT NUMBER: 4100081465**  
**ALLEGHENY COUNTY PARKS FOUNDATION**

---

**PROJECT DESCRIPTION**

We expected a Drainable Limestone Bed (DLB) treatment system would improve water quality and aquatic habitat to swimmable/fishable standards along 2,900 feet of Pinkertons Run that were impacted by Acid Mine Drainage (AMD) and sediment.

**PROJECT GOALS**

The system was expected to decrease acidity loading by 73 pounds per day (ppd) and Aluminum (Al) by 12 ppd. It was expected to generate a net alkaline effluent of approximately 34 ppd, eliminating most of the AMD impairment to lower Pinkertons Run. Streambanks along 1,000 feet of Pinkertons Run would be stabilized with fish habitat structures such as muddills, log vanes and other structures pre-approved under General Permit 1.

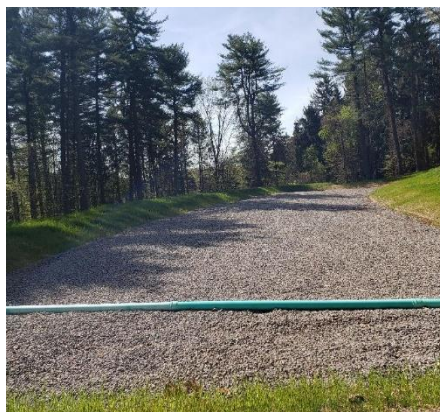
**PROJECT RESULTS**

The project was executed successfully. The original design plan was revised to reflect more recent increased rainfall and streamflow data by increasing the size of and relocating the treatment system to a larger and more accommodating site. The system was constructed in 2022 and is now operational.

**PROJECT PHOTOS**



Stream prior to improvements



Dolomitic Limestone Bed installed (DLB)



Stream after improvements

**PROJECT COSTS**

Design consultant hire, base mapping, wetland delineation, design, engineering, permitting, competitive bid, construction, construction observation, O&M plan and reports.

PA Department of Environment Protection (DEP) Growing Greener Watershed Protection Grant	\$318,501.76
Allegheny County	\$260,021.92
Allegheny County Parks Foundation, Office of Surface Mining Reclamation and Enforcement	\$131,330.00
Allegheny County Parks Foundation, Foundation for Pennsylvania Watersheds	\$20,000.00
Allegheny County Parks Foundation, private donations and in-kind staff support	\$9,181.50
<b>Total</b>	<b>\$739,035.18</b>

**LESSONS LEARNED**

Increased precipitation rates required the treatment system to be redesigned to accommodate larger storms. The grant extension through COVID-19 added the need for more staff time than originally estimated so the Parks Foundation provided the needed support as an in-kind match contribution. Remain persistent even in the middle of a pandemic and projects can move forward.

**PARTNERS**

PA DEP, Allegheny County and Allegheny County Parks Foundation (includes Office of Surface Mining Reclamation and Enforcement, Foundation for Pennsylvania Watersheds and generous individual donors)

**CONTACT INFORMATION**

Allegheny County Parks Foundation: Joey-Linn Ulrich, Executive Director [jlulrich@acparksfoundation.org](mailto:jlulrich@acparksfoundation.org)