

# Raccoon Creek Watershed - Pierce Run

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Project Status: completed 12/5/12 ODNR Project Number: VN-Vn-06 and VN-Vn-07

## Pre-construction



Oreton Seep, the major acid mine drainage discharge  
Photo by Ben McCament

## Post-construction

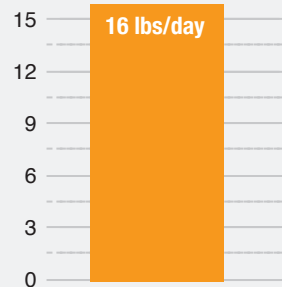


Freshwater pond overflow at Pierce Run  
Photo by Raccoon Creek Partnership

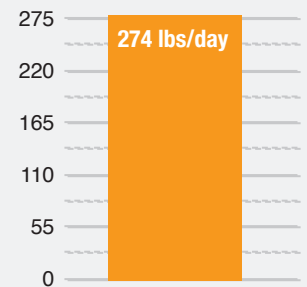
Pierce Run Reclamation Project is located in Section 19 of Vinton Township in Vinton County and lies within the 12 digit HUC unit #050901010501. The Oreton Seep is located in the former town of Oreton along SR 160 in Vinton County and is the most consistent and largest acid loader within the Pierce Run watershed. The source of the seep is a 116 acre underground coal mine (Clarion 4a seam) which was abandoned by the Oreton Mining Company in October of 1924. The seep appears to originate from a collapsed abandoned entry in an upper valley of a small unnamed tributary. The design was completed by ATC Associates Inc. and ODNR-DMRM for a cost of \$225,815. The treatment approach for this site is to install one large steel slag leach bed. The goal of the design is to reduce acid at the mouth of the Pierce Run (PR0010) before entering into Raccoon Creek. Initial construction was complete Fall 2010 by Seals Construction for a cost of \$587,754. Funding source for the project design was Ohio EPA 319 grant and for construction the sources were ODNR-DMRM, Ohio EPA 319, and OSM. However, modifications to the dam and pipes were needed. In 2011, ODNR completed the design for the slurry wall that will prevent water from seeping around and under the dam. This design also included improvements to the primary outlet (standpipes) that failed after initial construction in Fall 2010. In 2012, King Environmental Group was awarded \$442,395 (substantial cost) to complete the construction of the secondary improvements. Project was complete 12/45/12. Mainstem Pierce Run downstream of acid mine drainage sources show acid and metal loadings at site PR0010 to be 16 lbs/day and 274 lbs/day (figure 1).

### SITE: PR0010

#### Pre treatment acid load



#### Pre treatment metal load



Data derived using the Mean Annual Load Method (Stoertz, 2004).

Figure 1. Estimated acid and metal loadings prior to treatment

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