

# Raccoon Creek Watershed - State Route 124 Seeps

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Project Status: Complete: 6/18/2001 ODNR Project Number: JK-MI-47

## Pre-construction



Between pond and seep, Photo by Brent Miller

State Route (SR) 124 Seeps Project is located in Section 15 of Milton Township in Jackson County and lies within the 12-digit HUC unit #050901010403. The site is 7 acres and is located in the Little Raccoon Creek subwatershed. This area consisted of an abandoned surface coal mine with an acidic surface pit. This un-reclaimed mine, resulted in seeps which drained directly into Little Raccoon Creek adjacent to SR 124. The site was reclaimed, pit was drained and regraded, and an open limestone channel was installed to collect drainage before discharging off site. The design was completed by ATC Associates Inc. for \$80,000. The treatment approach for this site was to install several open limestone channels and conduct basic reclamation. The major consideration for this design was to establish positive drainage, remove several highwall impoundments, cover toxic materials, establish vegetations, and add alkalinity through the limestone channels. The goal of the design was to remove acidity from entering into Little Raccoon Creek. The project goal was met by 100 percent. Construction was complete June 18, 2001, by Oldtown Coal Company for a cost of \$315,490. The major responsibility of the construction company was to complete all reclamation activities described in the project design. The funding source, for the project design and construction were ODNR-DMRM and Ohio EPA. Pre-treatment acid and metal loadings at site OTF0010 are shown in figure 1.

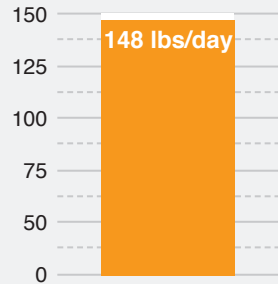
## Post-construction



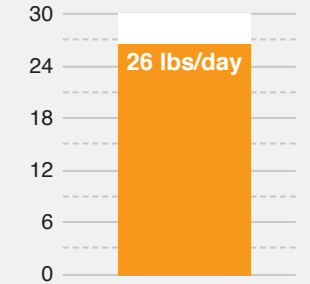
Sr 124 hillside limestone channel, Photo by Chip Rice

## SITE: OTF0010

### 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