

# Walker Lake and Monroe Creek Erosion Control Case Study



The Midwest's Most Trusted Site Solutions Provider

Project: Walker Lake and Monroe Creek  
Location: Kirkwood, MO  
Application/Solution: Coir logs were installed and planted with plant plugs to vegetate  
Owner: City of Kirkwood  
Salesperson: Mark Stirnaman  
Contractor: City of Kirkwood (Walker Lake)

Ideal Landscape (Monroe Creek)

Installed: April 2016 (Monroe Creek) June 2016 (Walker Lake)

case study

## Challenge

Walker Lake is a scenic recreational area in Kirkwood with the lake as its centerpiece. Over the past couple of years, a lot of work has been done in and around the lake. The lake is surrounded by a variety of aquatic plants, with the exception of a small space. This space caused concern for erosion as a result of wind-created waves. Monroe Creek is an established roadside storm water channel. The creek has seen many different solutions over the years and contains areas of riprap and vegetation as well as natural stone. In this project, coir fiber logs replaced rubble from old foundation.

## Solutions

Coir logs anchored with wooden stakes solved Walker Lake's erosion issue. After installation, the coir logs were planted with the desired plant plugs. Monroe Creek used coir logs as toe protection to create a smooth transition from the rocky bottom to the vegetated side slopes. Above the coir logs the slopes were graded and covered with seed and a temporary erosion control blanket. Similar to the Walker Lake project, these coir logs were also fixed with desired plant plugs to increase channel vegetation.

## Results

Since the coir log installation, Walker Lake has not experienced any erosion. With the caretaking from the City of Kirkwood, Walker Lake will be fully vegetated soon. Monroe Creek is performing as planned and the vegetation is growing every day. Despite significant rain events, there have not been any signs of erosion.



1 Coir log surrounding Walker Lake.



2 Coir fiber log with vegetation growth.

### Products

Manufacturers included in solutions and product:

Product: Coir Fiber Log  
Manufacturer: CocoLogix



3 Coir fiber logs in place at Monroe Creek.



**COCOLOGIX**  
bank stabilization systems

### Company Information

ASP Enterprises, Inc. and Quick Supply Co. For more than three decades, A.S.P. Enterprises and Quick Supply Co. has served the erosion control industry with integrity and expertise. We provide engineers and landscape contractors the exceptional value for their money and have grown to become the Midwest's full-line distributor of erosion-control, geosynthetics, storm water management products, wall block, landscape pavers, and drainage products.

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