

# Pervious Concrete: The Environmental Solution

## Amicalola State Park

### Handicap Fishing Access Made Easier With Pervious



#### Project:

Amicalola River Streamside Project  
Dawson Forest Wildlife Mgmt. Area  
Georgia Dept. of Natural Resources  
Old Ranger Residence, Hwy. 53  
Dawsonville, Georgia

#### Concrete Contractor:

PCI Systems, LLC  
Dale Fisher  
(770) 420-8430

#### Ready Mix Supplier:

Thomas Concrete

#### Specifier:

DNR, David Freedman



Pervious concrete is a mixture of coarse aggregate, Portland cement, water and little to no sand. A typical pervious concrete pavement has a 15-25% void structure and allows 3-8 gallons of water per minute to pass through each square foot.

The goal for this project was two-fold: create a wheelchair-friendly environment for outdoor enthusiasts, and build an environmentally safe land cover that would eliminate excessive runoff into a highly sensitive cool water trout stream. Pervious concrete pavement was the right choice for the DNR. The contractor built a 6,000 sq. ft. area of 6 inch thick pervious concrete pavement on top of an aggregate base that ranged in thickness between 6 and 24 inches. A non-woven geotextile fabric was placed on the natural sand clay soil prior to the aggregate base (#57 stone). The pervious concrete was placed directly on top of this stone base. Many individuals and governmental agencies worked collaboratively to make this a successful project, including Sonny Perdue, governor of Georgia, who allocated funds from the American Disabilities Act for site development.

The Georgia Department of Natural Resources' Wildlife Resources Division was extremely pleased with the project and for the opportunity to provide others with an excellent model for construction initiatives in environmentally sensitive areas.



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