



Above: Pool sprite (*Amphianthus pusillus*)  
Photo courtesy U.S. Fish and Wildlife Service, SE Region



Above: Educational tours we offer to the public



Above: Black-spored quillwort (*Isoetes melanospora*)  
Photo courtesy U.S. Fish and Wildlife Service, SE Region



## EDUCATION

Davidson-Arabia Mountain Nature Preserve offers amazing opportunities for environmental education, volunteerism, and recreation.

### Environmental Education

Topics include Forestry, Native Plants, Tree ID, Wildlife, Geology, Ecology and more.

### Volunteerism

Environmental Stewards are needed to help protect and maintain the nature preserve, welcome visitors, lead hikes and educate the public.

### Recreation

Over 20 miles of soft trails and 15 miles of paved hike and bike trails for leisure and fast pace recreation.

## HOURS OF OPERATION

### Davidson- Arabia Mountain Nature Preserve

Open daily, dawn to dusk

### Nature Center

Monday—Friday 8:30 am—3:00 pm

Saturday and Sunday —By appointment only

3787 Klondike Road

Lithonia, GA 30058

770-484-3060

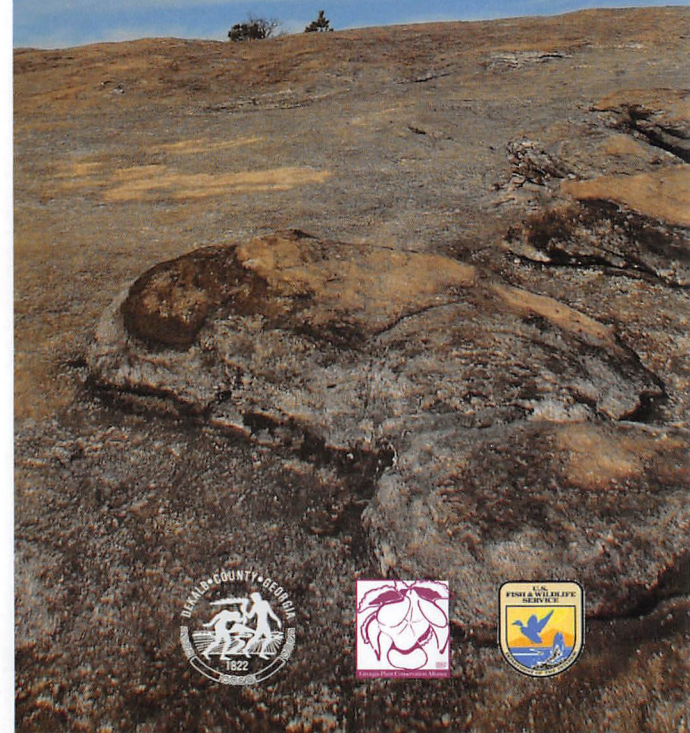
[www.dekalbcountyga.gov/natural\\_resources](http://www.dekalbcountyga.gov/natural_resources)

This habitat restoration project was made possible by a grant from the U.S. Fish & Wildlife Service with support from the State Botanical Gardens of Georgia and DeKalb County Government.

DEPARTMENT OF RECREATION, PARKS  
AND CULTURAL AFFAIRS

# Davidson-Arabia Mountain & Nature Preserve

PRESERVING, PROTECTING  
AND EDUCATING



## THE ARABIA MOUNTAIN HABITAT RESTORATION PROJECT

This project was made possible by a grant from the U.S. Fish & Wildlife Service with support from the State Botanical Gardens of Georgia and DeKalb County Government.

### PROJECT BACKGROUND

The granite outcrop plants, pool sprite and black-spored quillwort were listed as threatened and endangered, respectively by the U.S. Fish and Wildlife Service in 1988. These plants have adapted to survive in the harsh environment of the solution pits or "pools" of exposed granite rock. Because many granite outcrop pools throughout the region have been destroyed or disturbed, very few populations of these species remain.

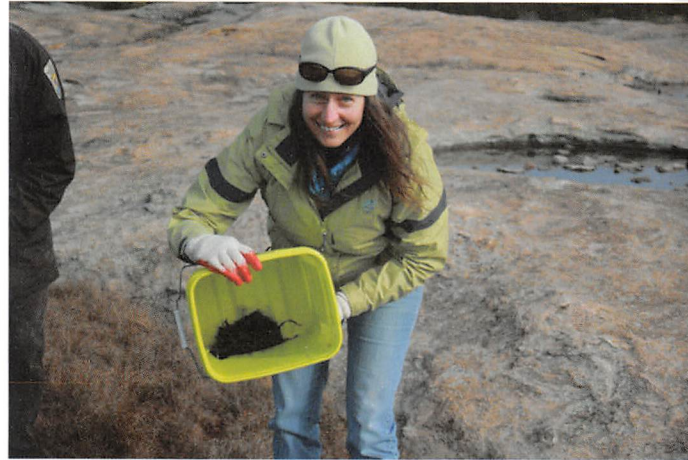
### PROJECT RESULTS

We have successfully created more than 10 solution pits/"pools" nearly doubling the population of the endangered black-spored quillwort and augmented the population of the federally threatened pool sprite by creating and protecting new pool habitats for them to live and thrive.



## COLLECTION AND RELOCATION OF PLANTS

1-square foot samples of black-spored quillwort were collected from the top of Arabia Mountain. The samples were transported to the State Botanical Gardens where they were grown out along with remnant seeds of pool sprite. The following year, the plants were transplanted into the newly created solution pools.



### CONSTRUCTION OF WALL

A wall/barrier around the excavated pools were constructed after reintroduction of plants. The wall was constructed for distinction and less for protection.

### EXCAVATION OF POOLS

A total of ten pools were excavated. The pools are roughly 4ft x 4ft and 4 to 6 inches deep. The pools were excavated to hold 3 inches of soil and 2-3 inches of water on top. If too deep, other plants would have had a competitive advantage. If too shallow then the plants could dry out too quickly.



### TEACHABLE MOMENT

- Do not throw rocks, trash, and other debris into the solution pools because it can harm and even kill sensitive plant life.
- Do not allow dogs and other pets to play in the solution pools because it can harm and even kill sensitive plant life.