

South Fork Rivanna River Expansion Alternative

Benefits of this Alternative	Challenges of this Alternative
Adds more water to system	Bladder may be hard to control
Creates a 200' buffer from the edge of water	Downstream flooding hazard
Allows grandfathering of existing structures in the buffer	Cost of replacing bridges
Cleans up the shoreline	Property easements will affect existing property owners
Visual impact enhanced by widening and deepening of water	Docks will be lost
The bladder is working at Sugar Hollow	May have to dredge also
River is more important to community than just drinking water	Will there still be water downstream of dam?
Opportunity for larger integrated watershed management plan	200' buffer will require land takings that are not compensable
Source of land use policy for county	The proposed buffer will not have appropriate vegetation when project is first built
	Negative visual impact of a bladder
	Shallow water on north side will cause more silting issues
	Water on existing lawns will increase pollutants
	If the geology is highly erodible, why expand this area?
	Enforcement of buffer restrictions/requirements
	Impact to wetlands

Breakthrough Ideas

Expand river's recreational use

Build the replacement bridges high enough and acquire the real estate to prepare for a possible future expansion (to an 8' bladder)

Use creative compensation (tax incentives, tax credits, proffers, etc), instead of cash, to acquire property

Expand reservoir north, in addition to raising the water level

Provide more public access

Combine dredging with this option

Expand the solution from a stand alone approach to address the underlying issues of land use and population growth

Prevent erosion and siltation

Restore forests and meadows to control erosion