



Reservoir Sites

Location
Thompson Township, Delaware County

Size
R1: 400 acres
4.4 billion gallons
R2: 850 acres
9.4 billion gallons
R3: 350 acres
4.3 billion gallons
Total: 18.1 billion gallons

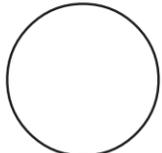
Water Source and Supply
45 MGD to Columbus
8MGD to Del-Co

Non-Potable Fire Hydrants



Rendering of initial reservoir proposed for construction in Delaware County. Courtesy of BBC&M Engineering, Inc.

Investing in Central Ohio's Future



Michael B. Coleman, Mayor

What is an Upground Reservoir?

An upground reservoir is a man-made water basin separate, or off-stream, from its water source. When stream flows are adequate, water is withdrawn from the river and pumped to the reservoir to be stored until needed. Griggs, O’Shaughnessy and Hoover are examples of on-stream reservoirs where a dam was constructed and water stored behind the dam to form a reservoir.



Meeting the Current and Future Water Needs

The city anticipates funding these improvements through water billing revenue, voted bond packages and Del-Co participation.

Customers served by both Columbus and the Del-Co will benefit from this safe, reliable source of water. The two utilities have signed an agreement to share the developed water supply. This partnership allows both service areas to benefit from the reservoirs while sharing construction costs.

Why Not Just Conserve Water?

Where Will Construction Occur?

The reservoirs will be located on 2,500 acres of city-owned land in Thompson Township in northwest Delaware County and a small portion of Union County (see map on back). The pump station is near the reservoir site and will require placement of an inflatable weir (as opposed to a permanent on-stream dam) in the Scioto River. The weir would be inflated only during periods when adequate stream flow exists for pumping water to the reservoirs and will be deflated when pumps are not in use. A network of pipelines and control valves will be built in phases. Phase 1, located along Hoskins and Mooney Roads, is needed for the raw water pump station to fill the reservoir and will initially serve to return water to the Scioto River during drought periods. Future phases, routed parallel to State Route 257, will transport water stored in the reservoirs to Del-Co when needed and possibly to a release point further downstream.

Construction Schedule

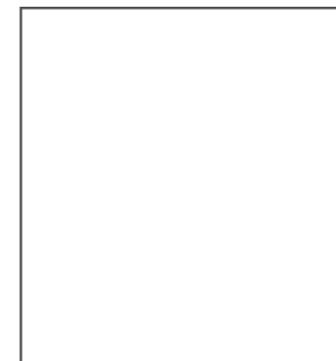
Construction of the first reservoir (R-2, see map on back) is expected to begin in summer 2011, with pump station and pipeline construction beginning shortly thereafter. Filling of the reservoir is expected to begin in the fall of 2013.

Environmental and Other Agency Coordination

Cultural Resource Surveys:

Endangered Species/Terrestrial Habitats:

Wetlands:



Aquatic Habitats:

Hazardous Materials:

Recreational Opportunities

Numerous recreational options were considered on the reservoir sites and public input was gathered and considered.

A recreational facilities concept was developed for the northeast portion of R-2 outside the security fence. Delaware County Commissioners have endorsed the plan. Operated by Preservation Parks of Delaware County, the Ottawa Creek Preserve Park will create a peaceful recreation area for local residents, emphasizing education on water and prairie bird species. Activities and features will include:

Walking	Fishing	Biking
Running	Picnicking	Playground
Birding	Interpretive Stations	Restrooms

Canoe Portage/Access:

Investing in the Future

Project cost estimates:

<u>Current Projects:</u>	<u>Estimated Costs</u>
Reservoir Site R-2, Raw Water Pump Station, Phase 1 Fill/Release Pipeline:	\$136,200,000
 <u>Future Projects:</u>	
Reservoir Sites R-1 and R-3, Phases 2 and 3 Pipeline:	<u>\$167,000,000</u>
 Total estimated costs:	\$303,200,000

Public Input and Participation