

Vulcan Quarry Water Supply Reservoir

Quick Facts

Background on Fairfax Water:

Fairfax Water is a single purpose, not-for profit utility established in 1957 by Fairfax County and today serves nearly 2 million residents and more than 800,000 employees in Northern Virginia.

Future Water Supply Planning:

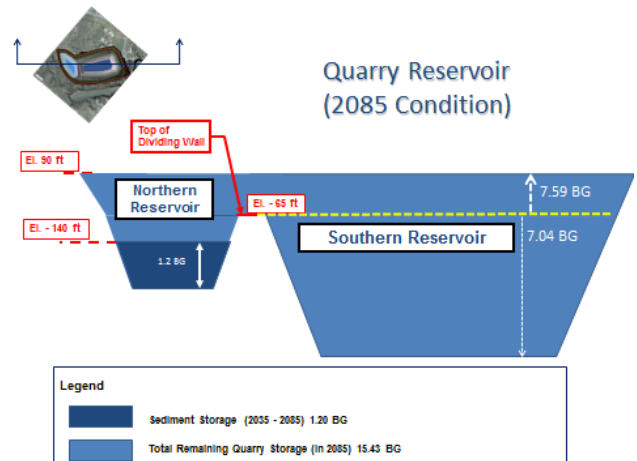
- 2003 legislation requires all jurisdictions to prepare and submit water supply plans to the Virginia DEQ.
- Northern Virginia Regional Water Supply Plan completed in 2011 (adopted by Fairfax County 2/28/2012) identifies Vulcan Quarry as an alternative for meeting future water supply/storage needs.
- Fairfax County Board of Supervisors unanimously approved a Comprehensive Plan Amendment to provide for the conversion of a reconfigured Vulcan Quarry to a water supply storage facility in order to meet the long-term needs of Fairfax County and the region.
- 35 public meetings, presentation or hearings were conducted on the project, resulting in approvals from the Planning Commission, Board of Supervisors, and Board of Zoning Appeals.



Using the Quarry as a Water Supply Reservoir

Phased plan of development: two-reservoir design

- Phase 1 provides initial storage of ~1.8 billion gallons by 2035.
- Phase II – provides additional storage capacity of up to 15 billion gallons by 2085.



No Change in Quarry Operations

- No change in access to/from quarry.
- No change in operating conditions – safeguards remain in place.

Major Benefits:

- Innovative solution to meet the region's critical future water supply needs. Cost effective for the citizens of Northern Virginia – millions of dollars in cost avoidance compared to other options for future water supply.
- Quarry operations over time move closer to Fairfax Water and away from residential area.
- Provides certainty on beneficial final use of quarry property.
- Proximity to existing water treatment infrastructure reduces environmental and community impacts compared to other water supply alternatives.