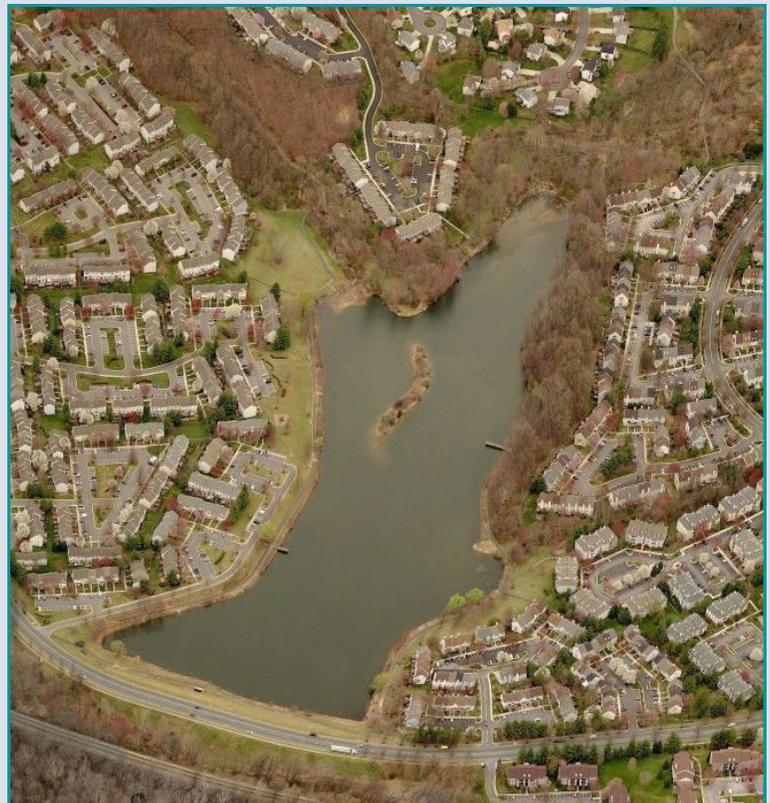
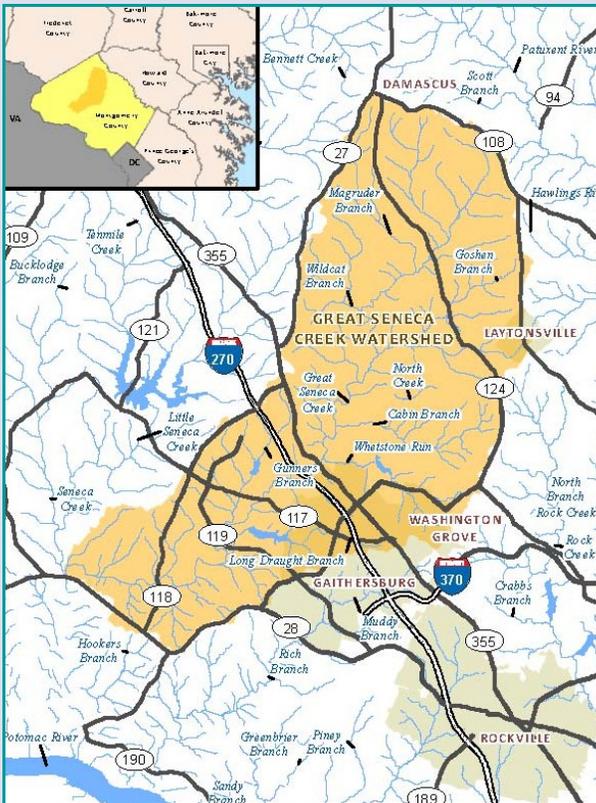


# Major Maintenance Projects Factsheet: Gunnery Lake



## Project Selection:

Gunnery Lake is a stormwater management pond and was designed to capture and hold sediment, debris, and other pollutants from the streams and storm drains draining to the Lake. The Department of Environmental Protection (DEP) at the request of the Community, determined that portions of the Lake would benefit from removing the sediment that has accumulated over the years. A study of the sediment depth was conducted by the County in November of 2012. The study revealed that most sediment accumulated at the north end of the Lake where two streams are entering the Lake.

## Background:

Gunnery Lake was built in 1985 for recreation and stormwater management as part of Gunnery Lake Village by building a dam across Gunnery Branch in Great Seneca watershed. The dam also serves as a road embankment for Wisteria Drive and is designated as a significant hazard dam by Maryland Department of Environment (MDE) Dam Safety office. The Lake is owned and operated by North Lake Village Federation. The Lake's parcel size is about 34.3 acres including 20.0 acres of water surface. The total drainage area to the Lake is about 1,233 acres, or nearly 2 square miles, which is equivalent to about one-fifth the size of the City of Gaithersburg or 934 football fields.

## Project Facts:

The County will remove approximately 20,000 cubic yards of sediment from Gunners Lake. The sediment will be removed using a hydraulic dredge method. The dredge will pump the removed sediment to shore where dewatering equipment will separate the solids from the water. Clean water will be returned to the Lake. The dried sediment removed from the Lake will be transported by truck to an approved disposal facility. On average, 30 truckloads of sediment will be hauled off-site daily. The dredging will be limited to a portion of the lake extending from the northern end down to the southern tip of the island.

The construction activities will take place in the Lake and along the western shoreline. During this project, the playground between Sky Blue Drive and Port Haven Drive and portions of the walking path will be closed. The trucks removing the sediment will use Sky Blue Drive to haul away the sediment. The project should take approximately 8 months of active construction. The County will take every effort to minimize the impact of the construction activities on the residents living around Gunners Lake.

In 2011, and then again in 2013, the County tested the sediment in the Lake. The 2011 testing was to determine what contaminants might be present in the Lake. The testing found elevated levels of Polycyclic Aromatic Hydrocarbons and metals in the sediment. Because of these results the County determined the sediment must be taken away to an approved disposal facility. In 2013, the County again tested the sediment in the Lake to determine the type and make-up of the sediment in the bottom of the Lake. The results showed that the sediment is mostly silts and clays with some sand and gravel, which suggests the source is eroding stream channels and grit from roadways.



## Contact Information:



Gene Gopenko: 240.777.7723 or [Gene.Gopenko@MontgomeryCountyMD.gov](mailto:Gene.Gopenko@MontgomeryCountyMD.gov)  
Department of Environmental Protection / Division of Watershed Management  
255 Rockville Pike, Suite 120, Rockville, MD 20850  
[www.montgomerycounty.gov/dep](http://www.montgomerycounty.gov/dep)