

MONITORING AND ASSESSMENT AIR QUALITY DIVISION

A photograph of an air quality monitoring station. The station consists of a white, rectangular enclosure with a metal staircase leading to a platform. On the platform, there are several tall, silver metal towers with various sensors and instruments attached. The station is situated on a grassy field with a body of water and buildings in the background under a clear blue sky.

District Department of the Environment

11/18/2011 12:01

Monitoring and Assessment Branch

- I. **Ambient air quality monitoring** – Network operations, data assessment and analysis
- II. **Air quality planning** – Emissions inventories, Air quality improvement strategies and State Implementation Plans, and Regulation development
- III. **Vehicle inspection program oversight** – Program performance monitoring of DMV's vehicle inspection facilities

Funding

- Air Pollution Control Grant - Federal \$ and Clean Air Act mandated District Match
- Particulate Matter Monitoring Grant – Federal \$
- Near-road Monitoring Grant - Federal \$
- Intra-District \$ - from DMV's vehicle inspection fee fund

DISTRICT OF COLUMBIA DEPARTMENT OF THE ENVIRONMENT (DDOE)

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ENVIRONMENTAL PROTECTION

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District's Air Monitoring

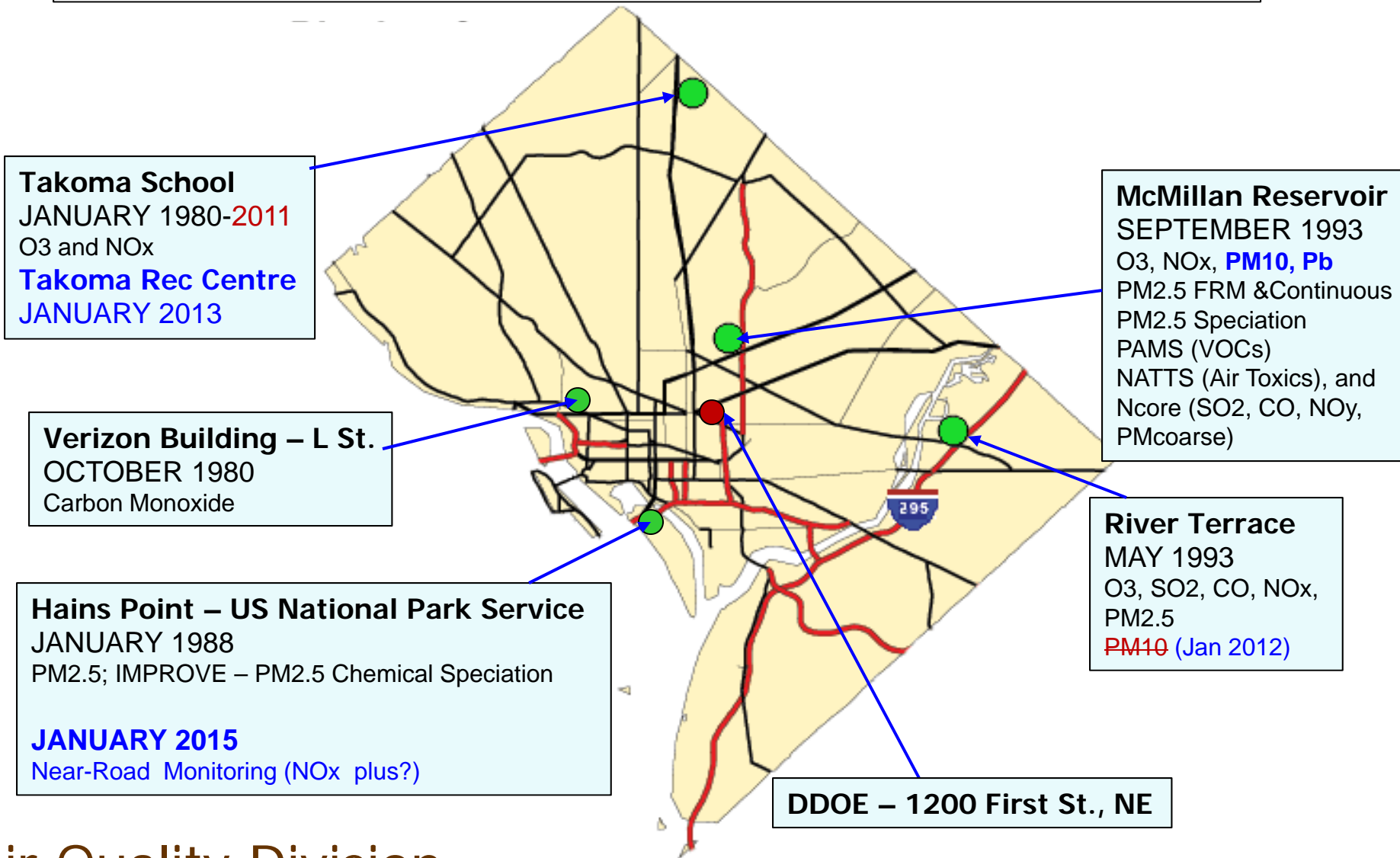
- Total five (5) sites
- Criteria air pollutant network
- Real-time measurements for five criteria air pollutants (O₃, NO₂, SO₂, PM_{2.5}, and CO);
- Special purpose networks:
 - PM_{2.5} Chemical Speciation;
 - Photochemical Assessment (O₃ precursors and Meteorology);
 - National Air Toxics Trends;
 - NCore (trace-CO, trace-SO₂, NO_y, PM_{10-2.5});
 - Semi-continuous EC/OC national pilot;
 - Near-road (Jan 2015).
- Real-time hourly data for public outreach

District's First Air Monitoring Station CAMP at 427 New Jersey Ave, NW



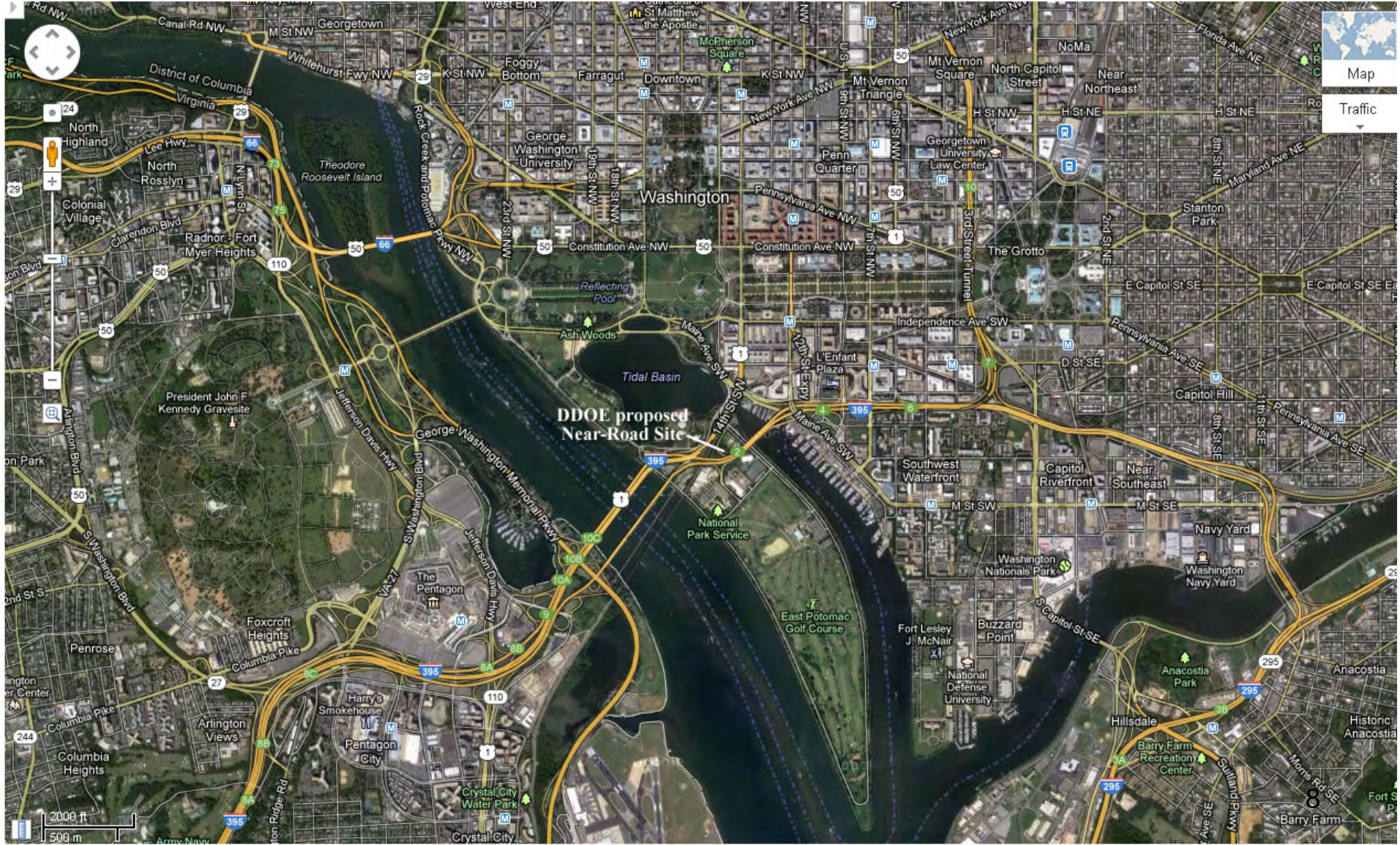
CAMP site launched in the early 1960s; site discontinued in the early 1970s due to siting criteria failure.

District's Air Monitoring Network



Air Quality Division
Monitoring and Assessment Branch

District's Near-Road Monitoring



District's Near-Road Monitoring...



Air Monitoring Data Reporting

- Real-time reporting of District's air quality information:
 - EPA <http://airnow.gov/index.cfm?action=airnow.currentconditions> or <http://www.epa.gov/airnow> ;
 - Metro Washington Air Quality Committee <http://www.mwcog.org/environment/air/forecast/>;
 - Clean Air Partners <http://www.cleanairpartners.net/>; and
 - National Park Service <http://www2.nature.nps.gov/air/webcams/parks/nacccam/washcam.cfm>



US NPS Visibility Camera Image

