

Reston Master Plan Special Study

# **ENVIRONMENTAL FEATURES WITHIN THE STATION AREAS**

This document contains maps of the four 2010 Study Areas,  
with an explanation of some environmental features shown on these maps

June 28, 2010

Prepared by: Fairfax County Department of Planning and Zoning

## **EXPLANATION OF ENVIRONMENTAL FEATURES SHOWN ON MAPS**

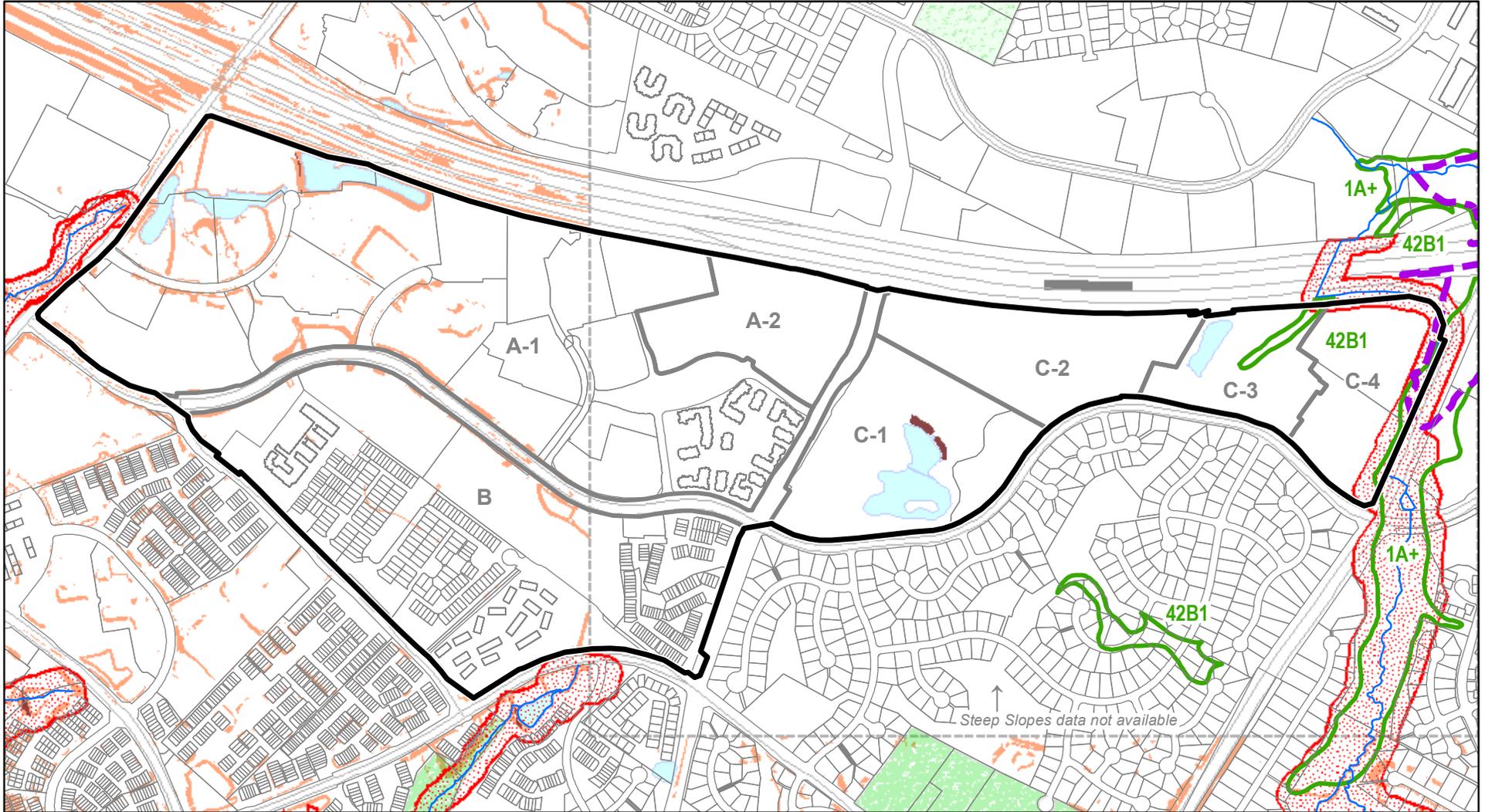
**Floodplains:** Floodplains are areas that would be flooded by the rainfall event that is expected to occur, on average, once every 100 years (i.e., a one percent chance in any given year), for any stream that collects drainage from an area greater than 70 acres. Floodplains shown on this map have been designated by the Federal Emergency Management Agency (FEMA).

**Hydric Soils:** Hydric soils are those soils saturated, flooded or ponded long enough during the growing season to develop anaerobic (oxygen-deprived) conditions in the upper soil. Hydric soils are one of three criteria needed to confirm the presence of a wetland (along with hydrologic and vegetative indicators). As there are no comprehensive wetland maps of the county, hydric soils can serve as an indicator of the potential for wetlands. However, field investigations are needed to confirm the presence or absence of wetlands on any site. This map shows soils on slopes of less than 8% slope that have been identified as being hydric on the Fairfax County Soil Identification Maps (1990). Please note that actual soil conditions are often complex; there may be small areas of non-hydric soils included within the hydric soil mapping units.

**Resource Protection Area:** Resource Protection Areas (RPAs) are areas designated by the Board of Supervisors in Chapter 118 of the Fairfax County Code pursuant to Virginia's Chesapeake Bay Preservation Act. They include:

- Tidal wetland and shoreline areas (none exist in the Reston area);
- Water bodies with perennial flow
- Nontidal wetlands connected by surface flow and contiguous to tidal wetlands or water bodies with perennial flow;
- 100-foot buffer areas around the above features; and
- Major floodplains (floodplains associated with streams with drainage areas of 360 acres or more).

# HERNDON-MONROE AREA: ENVIRONMENTAL FEATURES



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Map prepared by  
Department of Planning & Zoning  
June 2010

0 500 1,000  
Feet

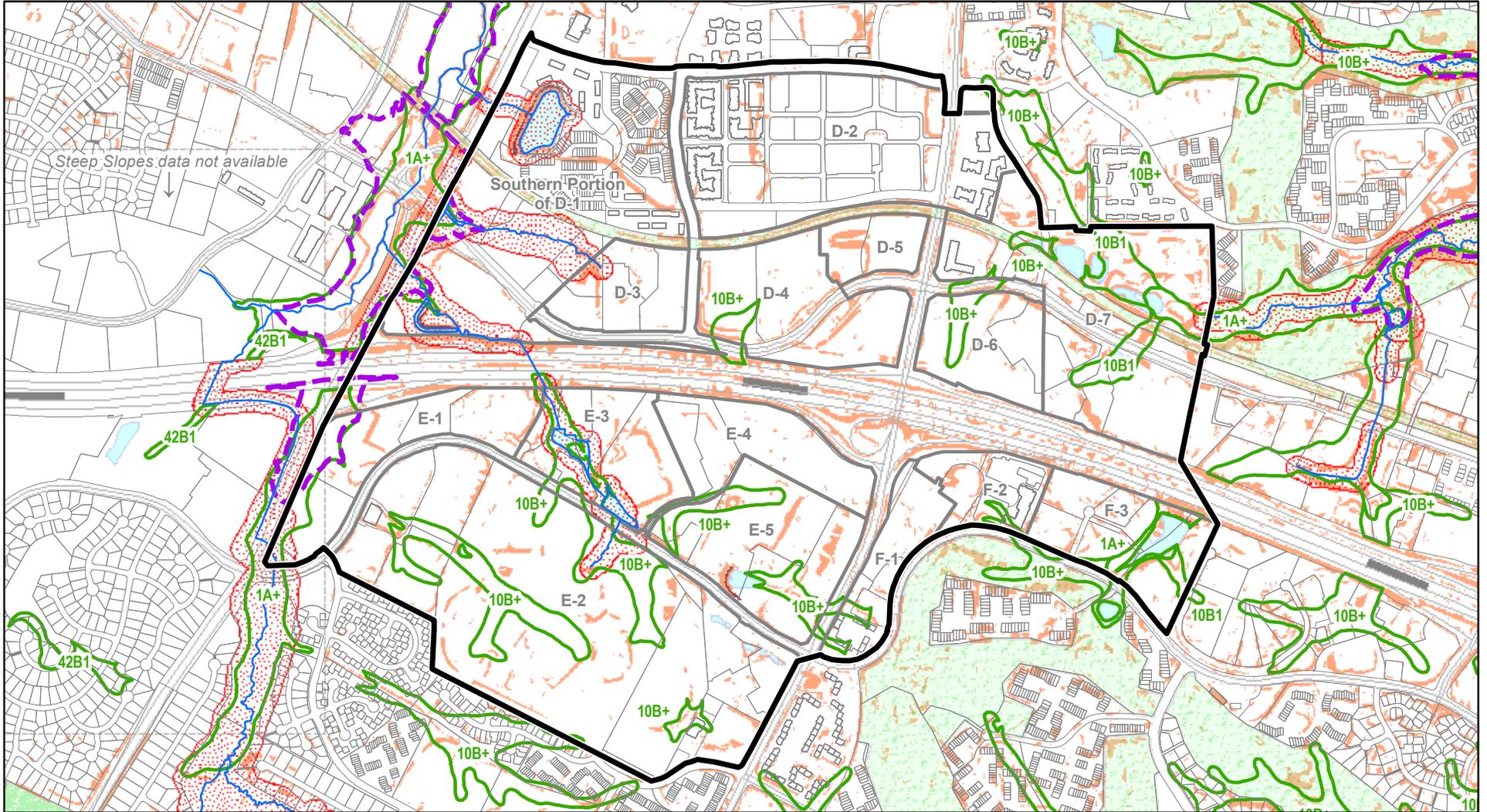


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\*Environmental\_Features\_Herndon-Monroe.mxd

### Legend

- Herndon-Monroe Area
- Reston-Herndon Land Subunits
- Transit Station Platform
- Perennial Streams
- Dam
- Lake or Pond
- Floodplain
- Hydric Soils
- Resource Protection Areas
- Steep Slopes
- Fairfax County Park
- Non-Fairfax County Park

# RESTON PARKWAY AREA: ENVIRONMENTAL FEATURES



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June 2010

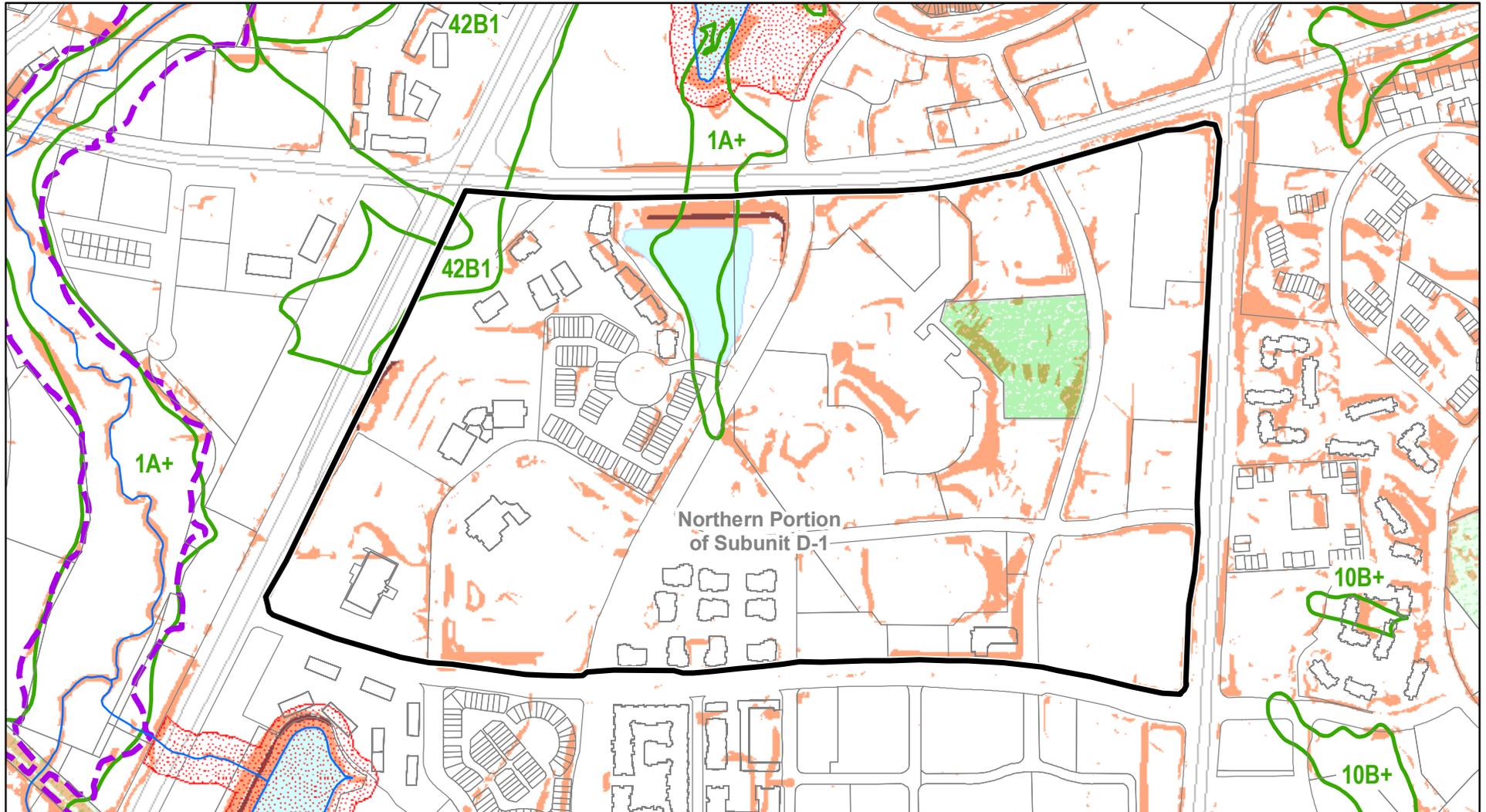


### Legend

- Reston Parkway Area
- Reston-Herndon Land Subunits
- Transit Station Platform
- Perennial Streams
- Dam

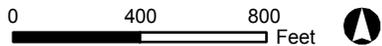
- Lake or Pond
- Floodplain
- Hydric Soils
- Resource Protection Areas
- Steep Slopes
- Fairfax County Park
- Non-Fairfax County Park

# RESTON TOWN CENTER NORTH AREA: ENVIRONMENTAL FEATURES



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Department of Planning & Zoning  
June 2010



### Legend

- Reston Town Center North Area
- Reston-Herndon Land Subunits
- Transit Station Platform
- Perennial Streams
- Dam

Lake or Pond

Floodplain

Hydric Soils

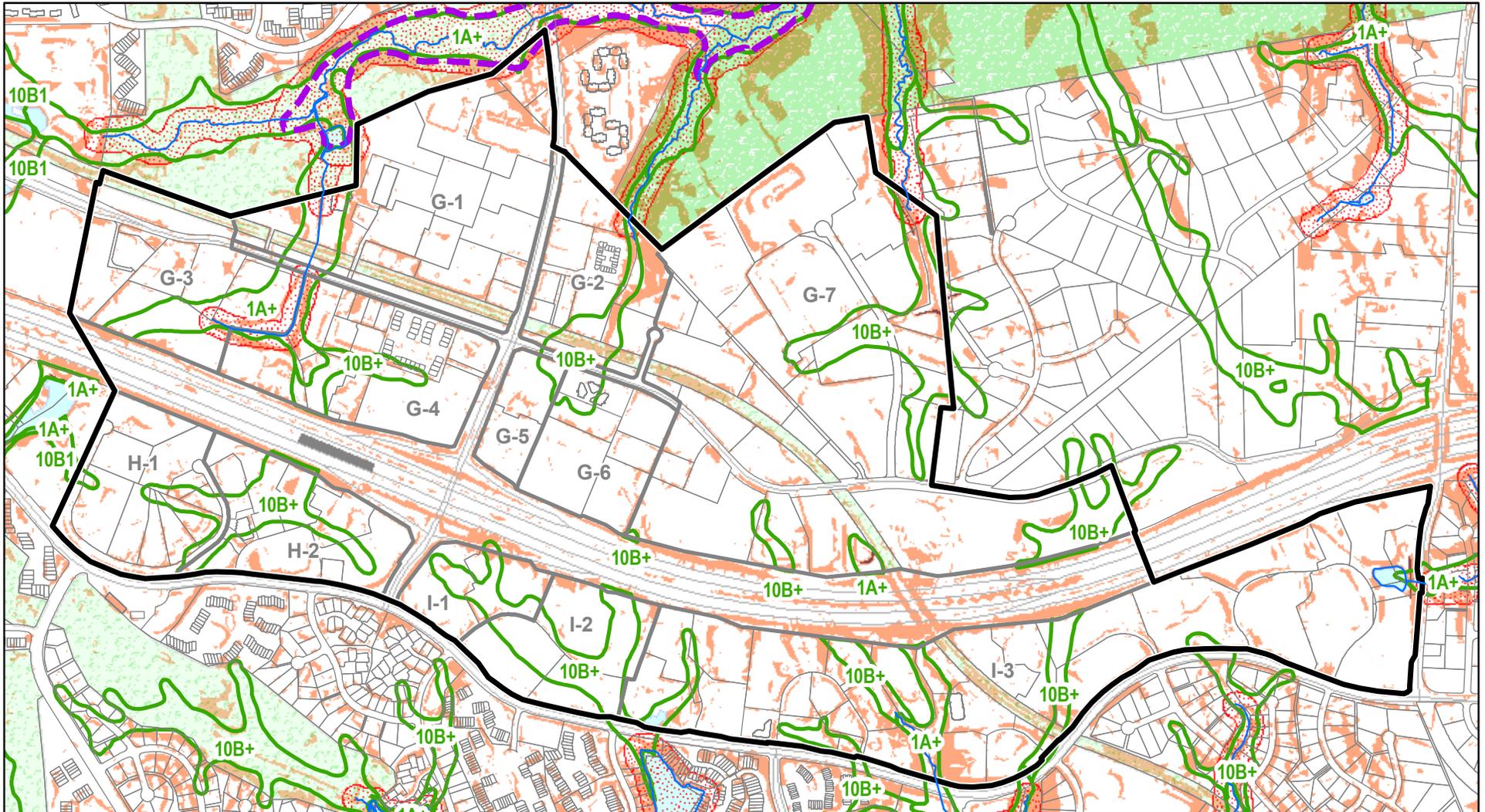
Resource Protection Areas

Steep Slopes

Fairfax County Park

Non-Fairfax County Park

# WIEHLE AVENUE AREA: ENVIRONMENTAL FEATURES



## Reston Master Plan Special Study

Map prepared by  
Department of Planning & Zoning  
June 2010

0 600 1,200  
Feet



### Legend

Wiehle Avenue Area

I-3 Reston-Herndon Land Subunits

Transit Station Platform

Perennial Streams

Dam

Lake or Pond

Floodplain

10B+ Hydric Soils

Resource Protection Areas

Steep Slopes

Fairfax County Park

Non-Fairfax County Park