

# Appendix D

## Reforestation Opportunity Fact Sheet Summaries

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# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-1

Site ID UFOR119 (Page 1 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 71  
Rank 1 of 45

## Site Description and Proposed Project

Key site for tree planting. Is directly adjacent to the stream, and is all open turf land at Kerrydale Elementary, a County school.

Proposed Planting Area (acres) 2.39

Site Hydrology Upland

Water Sources Available Hose hook-up, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

The County needs to verify whether the tree planting parcels have conflicts with planned future uses. Barring that, this would be a great site for tree planting.



View looking southwest through site UFOR119.



View looking northeast through site UFOR119.

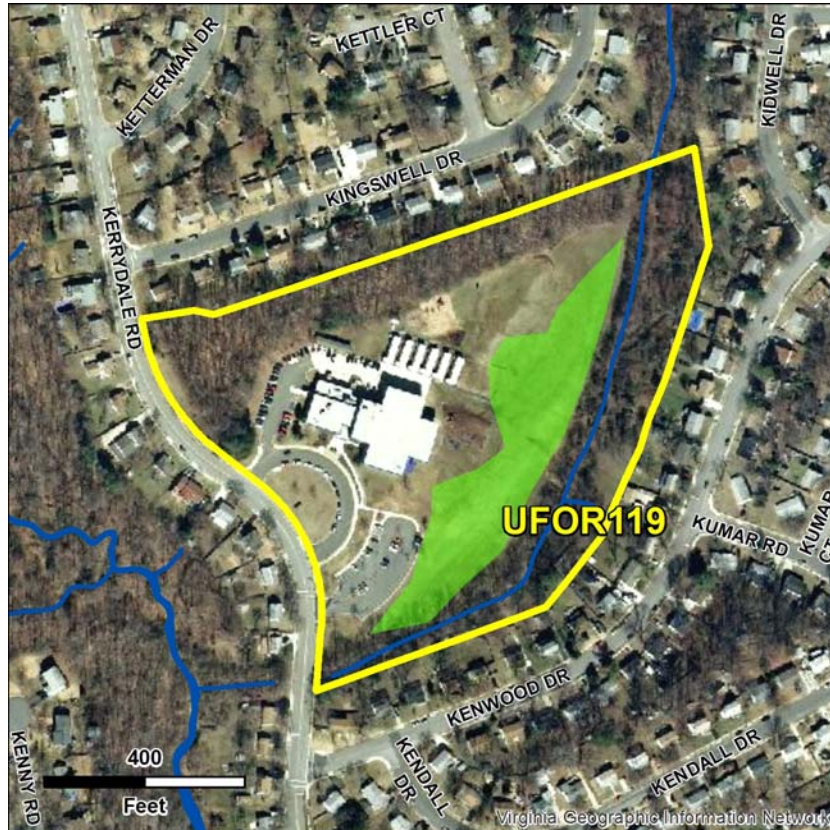
D-1

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR119** (Page 2 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 71  
Rank 1 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **2.388**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>14.95</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>14.95</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.58</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.58</b>   |
| TSS (lbs/yr)                  | <b>381.91</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>381.91</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID UFOR118 (Page 1 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Site Description and Proposed Project

Good site for tree planting. Is directly adjacent to Enterprise Elementary School.

Proposed Planting Area (acres) 2.09  
Site Hydrology Upland  
Water Sources Available Stormwater Runoff, Hose hook-up  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

The County needs to verify whether the tree planting parcels have conflicts with planned future uses. Barring that, this would be a good, but somewhat small site for tree planting.



View looking northwest through site UFOR118.



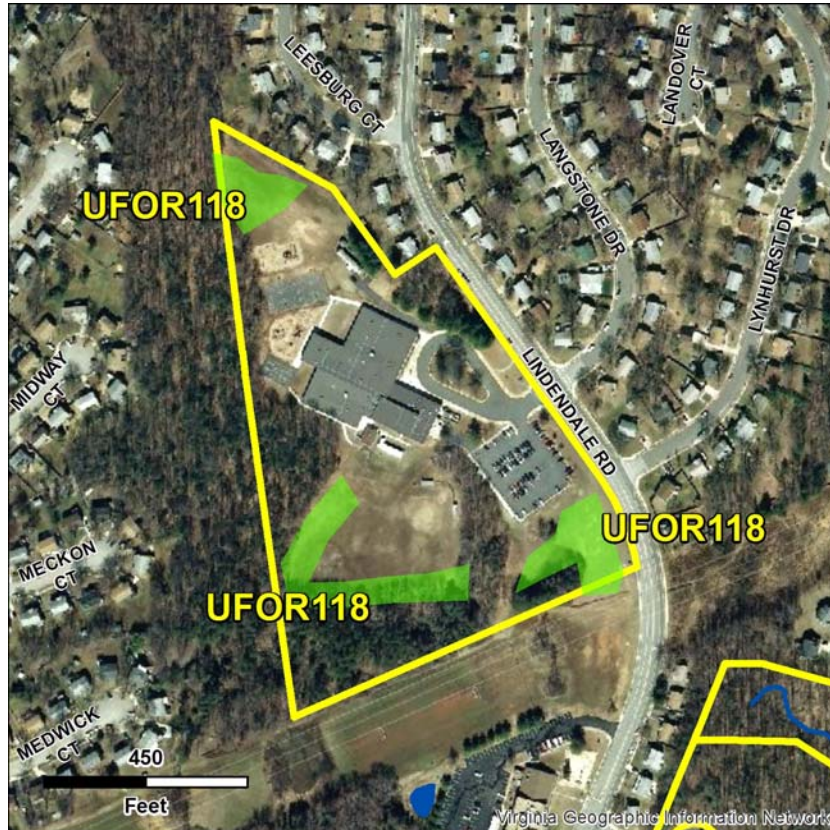
View looking northeast through site UFOR118.  
Photo 2. View looking northeast through site UFOR118.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR118** (Page 2 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **2.094**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>13.11</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>13.11</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.51</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.51</b>   |
| TSS (lbs/yr)                  | <b>334.76</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>334.76</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-5

Site ID UFOR124 (Page 1 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Site Description and Proposed Project

This may be the best overall opportunity for tree planting that we reviewed in this watershed. Large open turf areas now intermittently used for baseball fields or adjacent areas could be planted with trees, depending on current and planned future uses.

Proposed Planting Area (acres) 7.09

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

It was not clear at the time of the field studies how frequently this site is used for baseball and other sports. The turf there appeared to be actively mowed. The County needs to verify whether the proposed tree planting areas have conflicts with planned future uses. This would be a great site for tree planting.



View looking southwest near the northcentral edge of UFOR124



View looking south through ball field at UFOR124.

D-5

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR124** (Page 2 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **7.091**      Riparian Length (ft)

| Landuse Conversion Reductions |                | Buffer Efficiency Reductions |   | Total Reductions          |                |
|-------------------------------|----------------|------------------------------|---|---------------------------|----------------|
| Total Nitrogen (lbs/yr)       | <b>44.39</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>44.39</b>   |
| Total Phosphorus (lbs/yr)     | <b>1.72</b>    | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>1.72</b>    |
| TSS (lbs/yr)                  | <b>1133.91</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>1133.91</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-7

Site ID UFOR139 (Page 1 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Site Description and Proposed Project

Key site for tree planting. Is directly adjacent to the stream, and is all open turf land at Minnieville Elementary, a County school.

Proposed Planting Area (acres) 1.13

Site Hydrology Upland

Water Sources Available Hose hook-up, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

The County needs to verify whether the tree planting parcels have conflicts with planned future uses. Barring that, this would be a great site for tree planting.



View looking northwest through UFOR139.



View looking east through UFOR139.

D-7

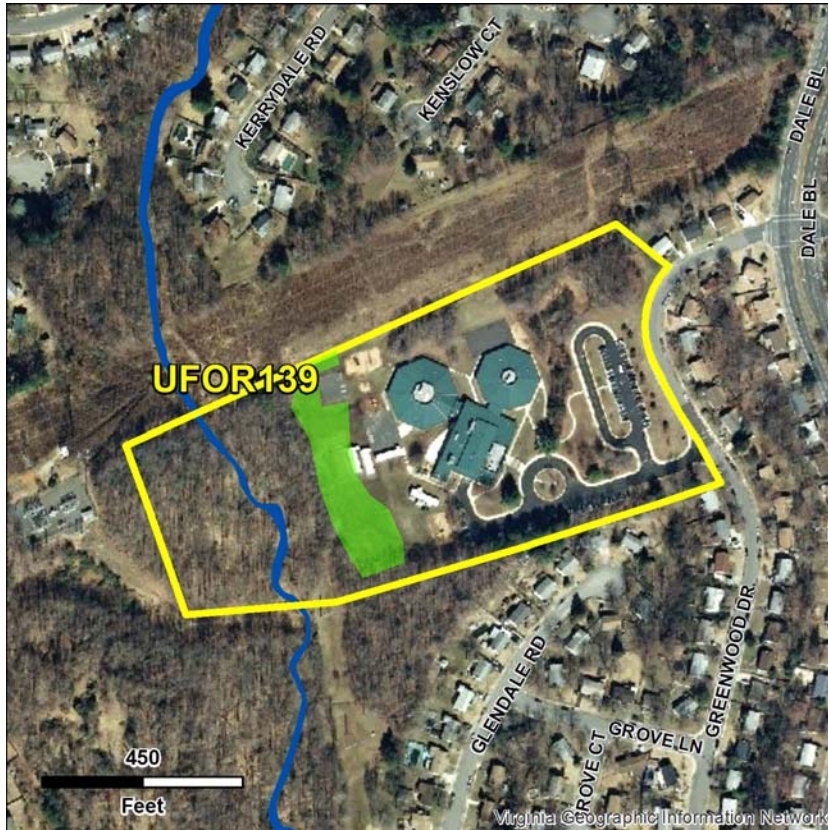


# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR139** (Page 2 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 68  
Rank 2 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.35**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>8.45</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>8.45</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.33</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.33</b>   |
| TSS (lbs/yr)                  | <b>215.92</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>215.92</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-9

Site ID UFOR116 (Page 1 of 2)  
Subwatershed 805

Ownership HOA  
Score 66  
Rank 5 of 45

## Site Description and Proposed Project

Good upland site for tree planting. Need to confirm availability with landowner.

Proposed Planting Area (acres) 0.93

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a moderate-sized site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. The southwestern edge of the site borders a tributary.



View looking southeast through site UFOR116.

D-9

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-10

Site ID **UFOR116** (Page 2 of 2)  
Subwatershed 805

Ownership HOA  
Score 66  
Rank 5 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.929**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>5.81</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>5.81</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.23</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.23</b>   |
| TSS (lbs/yr)                  | <b>148.53</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>148.53</b> |

D-10

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-11

Site ID UFOR111 (Page 1 of 2)  
Subwatershed 815

Ownership PRIVATE  
Score 63  
Rank 6 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site adjacent to a residential area. Need to confirm compatibility with landowner.

Proposed Planting Area (acres) 1.55

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed.



View looking southwest from the eastern part of the UFOR111 site.



View looking west from the central part of the UFOR111 site.

D-11

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-12

Site ID **UFOR111** (Page 2 of 2)  
Subwatershed 815

Ownership PRIVATE  
Score 63  
Rank 6 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.554**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>9.73</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>9.73</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.38</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.38</b>   |
| TSS (lbs/yr)                  | <b>248.52</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>248.52</b> |

D-12

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-13

Site ID UFOR141 (Page 1 of 2)  
Subwatershed 805

Ownership COUNTY  
Score 63  
Rank 6 of 45 (tie)

## Site Description and Proposed Project

Good small opportunity for tree planting. Most of the park, however, consists of forest, active turf playing fields, or the water park and parking.

Proposed Planting Area (acres) 0.72

Site Hydrology Upland

Water Sources Available Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

Andrew Leitch Park is a County facility. It presents a relatively small opportunity for tree planting, despite the large total size of the park. Planting here could also have educational opportunities.



View looking south from the northeastern part of the UFOR141 site.



View looking east from the northeastern part of the UFOR141 site.

Planting  
Project Opportunity

Ownership COUNTY

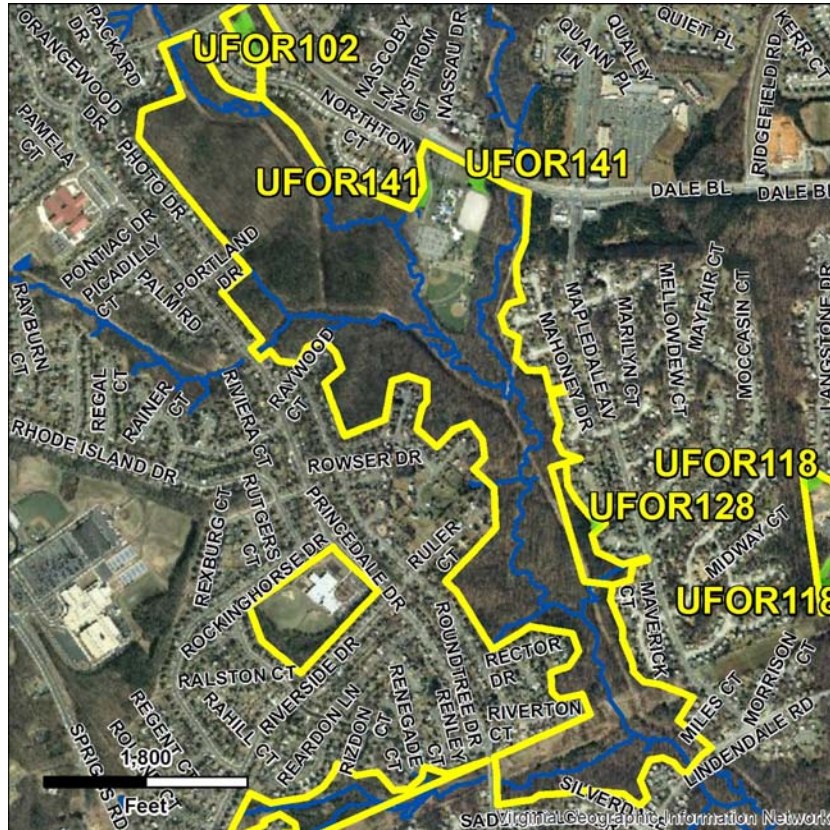
Site ID UFOR141 (Page 2 of 2)

Score 63

Subwatershed 805

Rank 6 of 45 (tie)

Locator Map



Estimated Pollutant Load Reductions

Total Area (acres) 0.721

Riparian Length (ft)

| Landuse Conversion Reductions |        | Buffer Efficiency Reductions |   | Total Reductions          |        |
|-------------------------------|--------|------------------------------|---|---------------------------|--------|
| Total Nitrogen (lbs/yr)       | 4.51   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | 4.51   |
| Total Phosphorus (lbs/yr)     | 0.18   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | 0.18   |
| TSS (lbs/yr)                  | 115.32 | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | 115.32 |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-15

Site ID UFOR102 (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 61  
Rank 8 of 45 (tie)

## Site Description and Proposed Project

Good upland site for tree planting. Need to confirm availability with landowner.

Proposed Planting Area (acres) 1.37

Site Hydrology Upland

Water Sources Available None (Rainfall only)

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed.



View looking east toward Dale Boulevard,  
through site UFOR102.



View looking southeast through site UFOR102.



# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-16

Site ID **UFOR102** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 61  
Rank 8 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.367**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>8.56</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>8.56</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.33</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.33</b>   |
| TSS (lbs/yr)                  | <b>218.61</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>218.61</b> |

D-16

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-17

Site ID UFOR134 (Page 1 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 61  
Rank 8 of 45 (tie)

## Site Description and Proposed Project

Excellent opportunity for tree planting on a relatively large, open upland site. Some of the lowest areas of this site are adjacent to a tributary and the floodplain. Need to confirm availability with private landowner.

Proposed Planting Area (acres) 5.92

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a relatively large planting site that presents excellent tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some of the lowest areas of this site are adjacent to a tributary and the floodplain.



View looking northeast from the southern part of the UFOR134 site.



View looking northwest from the central part of the UFOR134 site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-18

Site ID **UFOR134** (Page 2 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 61  
Rank 8 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **5.922**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>37.07</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>37.07</b>  |
| Total Phosphorus (lbs/yr)     | <b>1.44</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>1.44</b>   |
| TSS (lbs/yr)                  | <b>946.86</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>946.86</b> |

D-18

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-19

Site ID RFOR109 (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 58  
Rank 10 of 45 (tie)

## Site Description and Proposed Project

Small opportunity for tree planting on a sloped buried culvert in a residential neighborhood. Likely need to confirm with VDOT.

Proposed Planting Area (acres) 0.4

Site Hydrology Riparian

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry and sloped buried culvert site; it presents a small tree planting opportunity. It is privately owned, so its availability for tree planting must be confirmed. A roadside fence may need to be removed for site access.



View looking northwest (downslope) along a buried culvert area at site RFOR109.



View looking north (parallel with slope) along a buried culvert area at site RFOR109.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-20

Site ID **RFOR109** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 58  
Rank 10 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.404**      Riparian Length (ft) **20**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |               |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>2.53</b>  | Total Nitrogen (lbs/yr)      | <b>1</b>     | Total Nitrogen (lbs/yr)   | <b>3.53</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.10</b>  | Total Phosphorus (lbs/yr)    | <b>0.11</b>  | Total Phosphorus (lbs/yr) | <b>0.21</b>   |
| TSS (lbs/yr)                  | <b>64.64</b> | TSS (lbs/yr)                 | <b>89.43</b> | TSS (lbs/yr)              | <b>154.07</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-21

Site ID UFOR114 (Page 1 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 58  
Rank 10 of 45 (tie)

## Site Description and Proposed Project

Good opportunity for tree planting on small upland site. It is an existing park, so need to confirm existing and future planned uses. Much of the existing park is already forested.

Proposed Planting Area (acres) 0.6

Site Hydrology Upland

Water Sources Available Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This small park is a County owned facility. Much of the park is already treed. The County needs to verify whether the tree planting parcels have conflicts with planned future uses. Barring that, this would be a great site for tree planting.



View looking at existing playground along western edge of the UFOR114 site.



View looking southeast from western edge of the UFOR114 site.

D-21

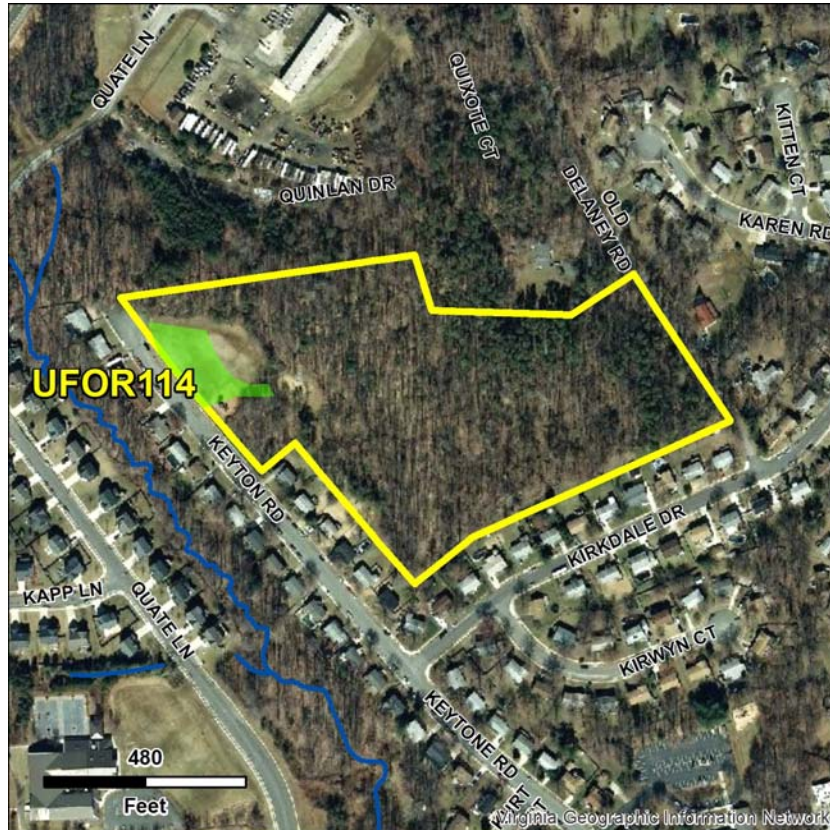
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-22

Site ID **UFOR114** (Page 2 of 2)  
Subwatershed 815

Ownership COUNTY  
Score 58  
Rank 10 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.601**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>3.76</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>3.76</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.15</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.15</b>  |
| TSS (lbs/yr)                  | <b>96.11</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>96.11</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-23

Site ID **RFOR105** (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 57  
Rank 12 of 45

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.32

Site Hydrology Riparian

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking south from southern part of site RFOR105.



View looking west from central part of site RFOR105.



# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **RFOR105** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 57  
Rank 12 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.324**      Riparian Length (ft) **50**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |               |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>2.03</b>  | Total Nitrogen (lbs/yr)      | <b>0.8</b>   | Total Nitrogen (lbs/yr)   | <b>2.83</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.08</b>  | Total Phosphorus (lbs/yr)    | <b>0.09</b>  | Total Phosphorus (lbs/yr) | <b>0.17</b>   |
| TSS (lbs/yr)                  | <b>51.74</b> | TSS (lbs/yr)                 | <b>71.59</b> | TSS (lbs/yr)              | <b>123.33</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-25

Site ID UFOR101 (Page 1 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 56  
Rank 13 of 45 (tie)

## Site Description and Proposed Project

Moderate opportunity for tree planting on an odd, partly eroded site. The existing site is partly treed (with volunteer Virginia pine and red cedar trees), with some open spaces that could be planted with new trees.

Proposed Planting Area (acres) 2.31

Site Hydrology Upland

Water Sources Available None (Rainfall only)

Soil Texture Clay

Soil Compaction Moderate

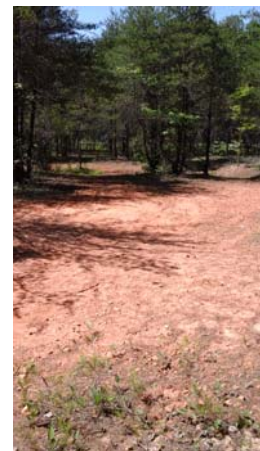
Potential Soil Contamination No

## Issues for Implementation

This is a moderate-sized site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. The existing site is partly treed (with volunteer Virginia pine and red cedar trees), with some open spaces that could be planted with new trees. Some soils work prior to the tree planting would likely yield best results.



View looking southwest through open area of the UFOR101 site.



View looking south through open area of the UFOR101 site.

Neabsco Creek Watershed Study Tree  
Planting  
Project Opportunity

D-26

Site ID UFOR101 (Page 2 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 56  
Rank 13 of 45 (tie)

Locator Map

Estimated Pollutant Load Reductions

Total Area (acres) 2.313      Riparian Length (ft)

| Landuse Conversion Reductions |        | Buffer Efficiency Reductions |   | Total Reductions          |        |
|-------------------------------|--------|------------------------------|---|---------------------------|--------|
| Total Nitrogen (lbs/yr)       | 14.48  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | 14.48  |
| Total Phosphorus (lbs/yr)     | 0.56   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | 0.56   |
| TSS (lbs/yr)                  | 369.79 | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | 369.79 |

D-26

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-27

Site ID UFOR105 (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 56  
Rank 13 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site adjacent to a residential apartment complex. Need to confirm compatibility with landowner.

Proposed Planting Area (acres) 1.45

Site Hydrology Upland

Water Sources Available Hose hook-up

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed.



View looking west from the central part of the UFOR105 site.



View looking west from the western part of the UFOR105 site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-28

Site ID **UFOR105** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 56  
Rank 13 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.446**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>9.05</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>9.05</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.35</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.35</b>   |
| TSS (lbs/yr)                  | <b>231.26</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>231.26</b> |

D-28

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-29

Site ID UFOR121 (Page 1 of 2)  
Subwatershed 810

Ownership HOA  
Score 56  
Rank 13 of 45 (tie)

## Site Description and Proposed Project

Moderate opportunity for tree planting adjacent to a riparian area/detention basin. Note the relatively high volume of trash in this area.

Proposed Planting Area (acres) 1.14

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a moderate-sized site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some trash removal prior to the tree planting would likely yield best results.



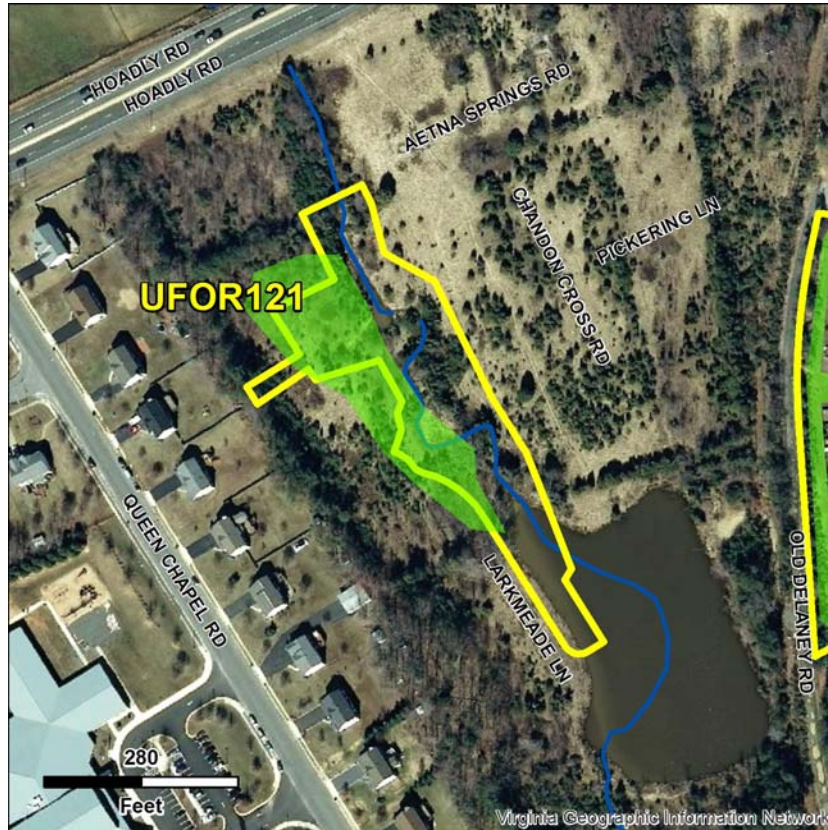
View looking west from the southern-most part of the UFOR121 site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR121** (Page 2 of 2)  
Subwatershed 810

Ownership HOA  
Score 56  
Rank 13 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.139**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>7.13</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>7.13</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.28</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.28</b>   |
| TSS (lbs/yr)                  | <b>182.19</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>182.19</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-31

Site ID RFOR107 (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 55  
Rank 16 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site in a residential neighborhood.

Proposed Planting Area (acres) 0.2

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking east from the RFOR107 site.



View looking northwest from the RFOR107 site.

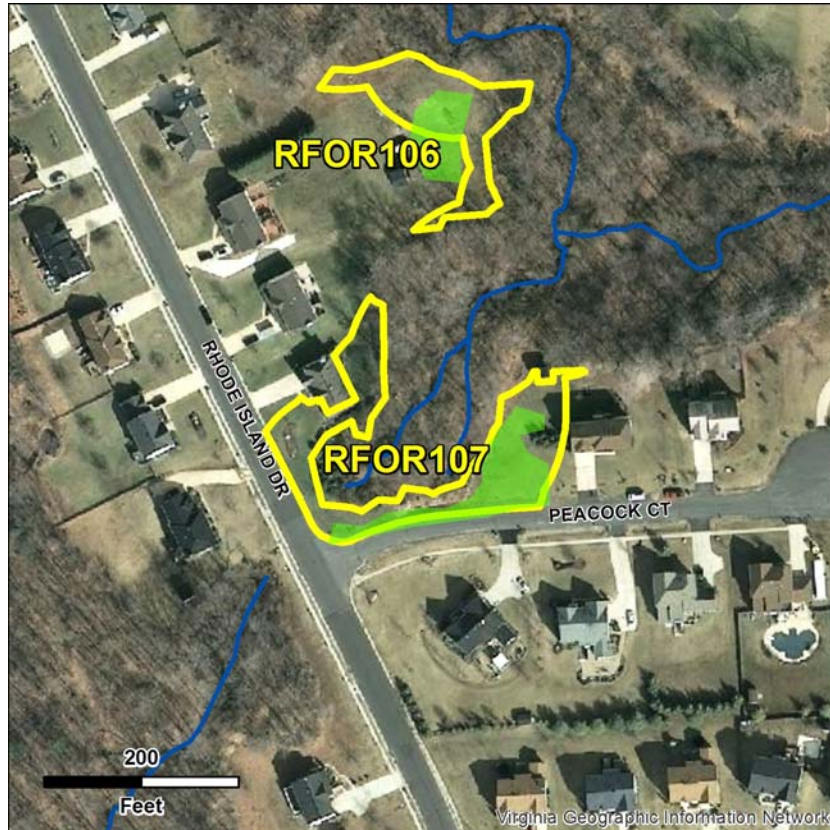


# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **RFOR107** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 55  
Rank 16 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.197**      Riparian Length (ft) **25**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.23</b>  | Total Nitrogen (lbs/yr)      | <b>0.49</b>  | Total Nitrogen (lbs/yr)   | <b>1.72</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.05</b>  | Total Phosphorus (lbs/yr)    | <b>0.05</b>  | Total Phosphorus (lbs/yr) | <b>0.1</b>   |
| TSS (lbs/yr)                  | <b>31.46</b> | TSS (lbs/yr)                 | <b>43.53</b> | TSS (lbs/yr)              | <b>74.99</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-33

Site ID RFOR111 (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 55  
Rank 16 of 45 (tie)

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a dry stormwater facility.

Proposed Planting Area (acres) 0.09

Site Hydrology Riparian

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small site adjacent to a stormwater dry pond facility; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Removal of some existing fences could be necessary for access.



View looking north at the minimal tree planting opportunity around the edge of site RFOR111 (a stormwater dry pond).



View looking northeast at the minimal tree planting opportunity around the edge of site RFOR111 (a stormwater dry pond)

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **RFOR111** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 55  
Rank 16 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.092**      Riparian Length (ft) **20**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>0.58</b>  | Total Nitrogen (lbs/yr)      | <b>0.23</b>  | Total Nitrogen (lbs/yr)   | <b>0.8</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.02</b>  | Total Phosphorus (lbs/yr)    | <b>0.03</b>  | Total Phosphorus (lbs/yr) | <b>0.05</b>  |
| TSS (lbs/yr)                  | <b>14.69</b> | TSS (lbs/yr)                 | <b>20.32</b> | TSS (lbs/yr)              | <b>35.01</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID UFOR123 (Page 1 of 2)  
Subwatershed 820

Ownership HOA  
Score 53  
Rank 18 of 45

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site in a residential neighborhood. Need to confirm acceptability with property owners.

Proposed Planting Area (acres) 0.62  
Site Hydrology Upland  
Water Sources Available Stormwater Runoff, Hose hook-up  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking west from the southern part of the UFOR123 site.



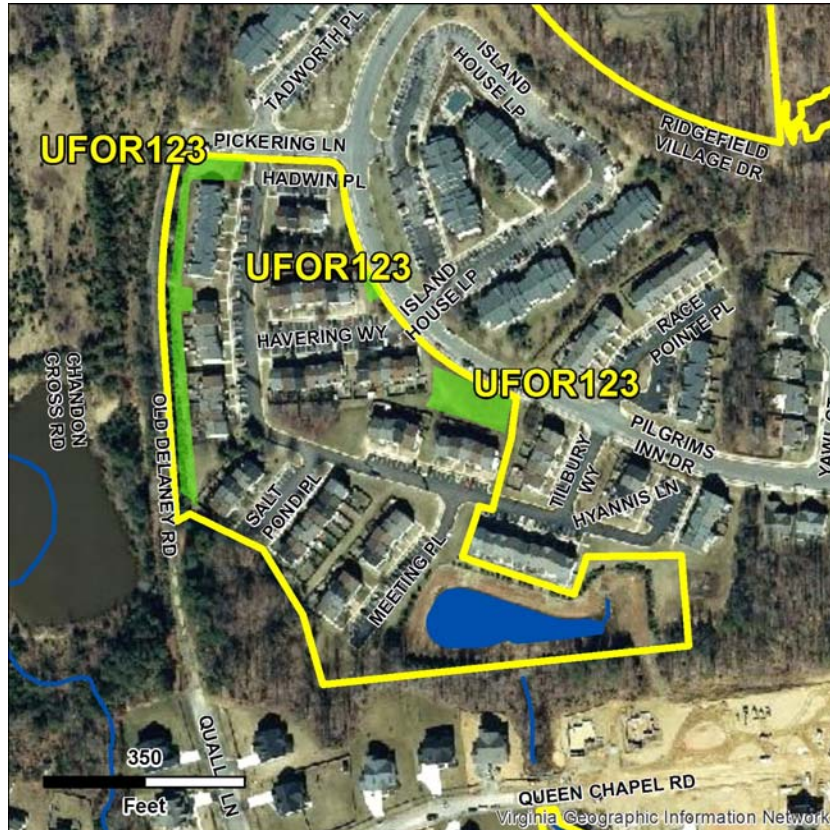
View looking northwest from the northern part of the UFOR123 site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR123** (Page 2 of 2)  
Subwatershed 820

Ownership HOA  
Score 53  
Rank 18 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.621**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>3.89</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>3.89</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.15</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.15</b>  |
| TSS (lbs/yr)                  | <b>99.34</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>99.34</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-37

Site ID UFOR112 (Page 1 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 52  
Rank 19 of 45 (tie)

## Site Description and Proposed Project

Good upland site for tree planting. Need to confirm availability with landowner.

Proposed Planting Area (acres) 1.23

Site Hydrology Upland

Water Sources Available None (Rainfall only)

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a moderately-sized, rather dry site that presents relatively good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed.



View looking southeast from the eastern part of the UFOR112 site.



View looking north from the eastern part of the UFOR112 site.

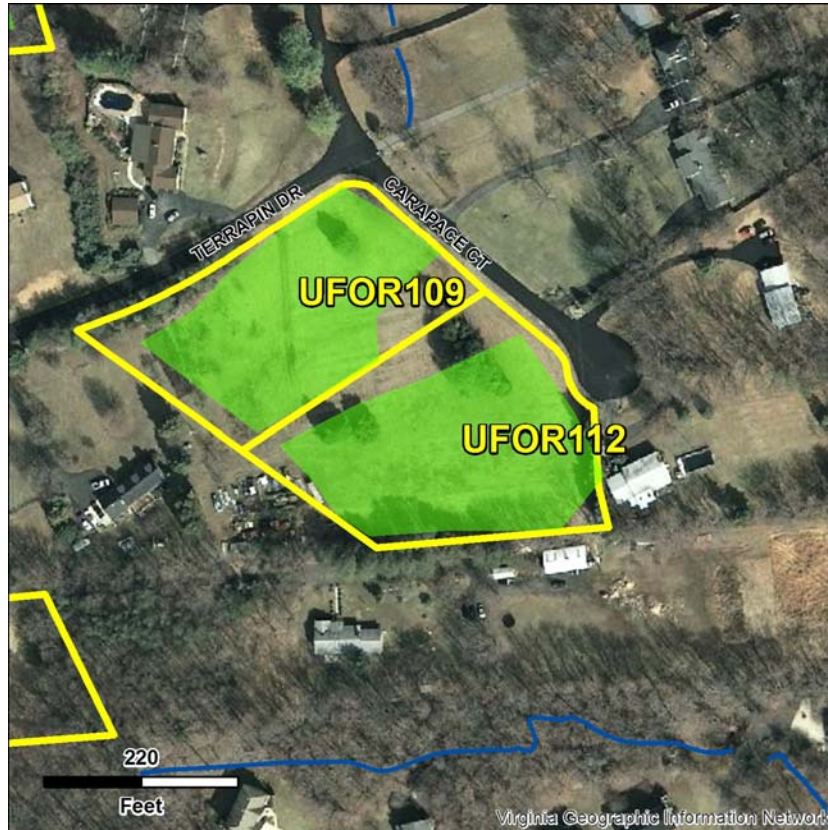
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-38

Site ID **UFOR112** (Page 2 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 52  
Rank 19 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.228**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>7.69</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>7.69</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.30</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.3</b>    |
| TSS (lbs/yr)                  | <b>196.34</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>196.34</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-39

Site ID UFOR126 (Page 1 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 52  
Rank 19 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site. Relatively distant from any tributaries.

Proposed Planting Area (acres) 1.34

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some fence removal prior to tree planting could help facilitate the project.



View looking south from the southwestern-most part of site UFOR126.



View looking west from the southwestern-most part of site UFOR126.

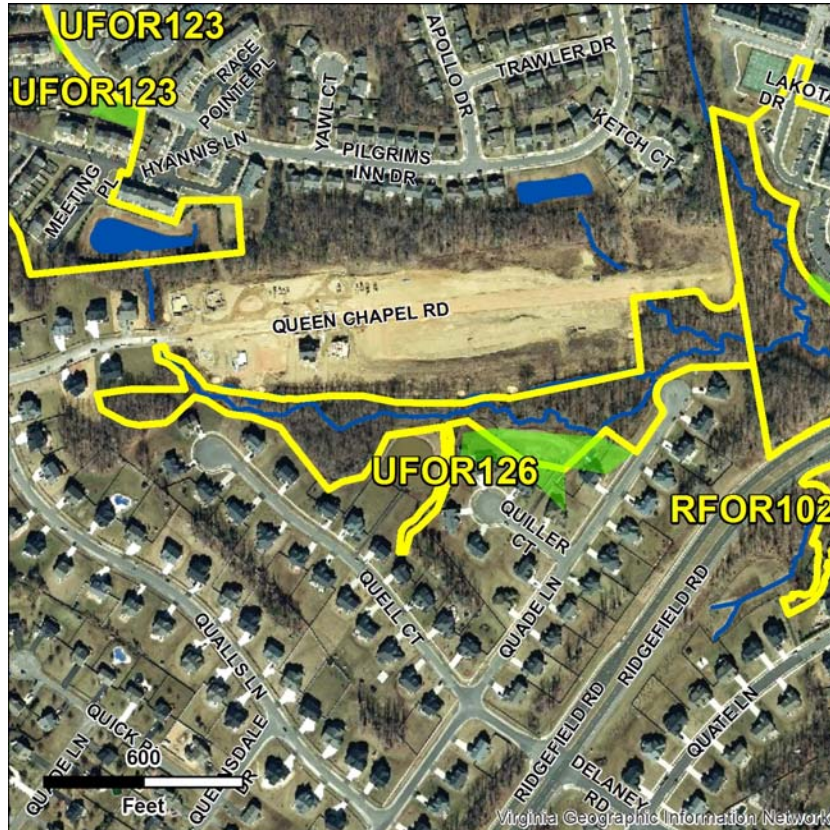


# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR126** (Page 2 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 52  
Rank 19 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.344**      Riparian Length (ft)

| Landuse Conversion Reductions |        | Buffer Efficiency Reductions |   | Total Reductions          |        |
|-------------------------------|--------|------------------------------|---|---------------------------|--------|
| Total Nitrogen (lbs/yr)       | 8.42   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | 8.42   |
| Total Phosphorus (lbs/yr)     | 0.33   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | 0.33   |
| TSS (lbs/yr)                  | 214.96 | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | 214.96 |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-41

Site ID UFOR104 (Page 1 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 50  
Rank 21 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site. Relatively distant from any tributaries. Need to confirm availability with private landowner.

Proposed Planting Area (acres) 2.71

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Clay

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking north through site UFOR104, from its southern boundary.



View looking northeast through site UFOR104, from its southern boundary.

D-41

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR104** (Page 2 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 50  
Rank 21 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **2.709**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>16.96</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>16.96</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.66</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.66</b>   |
| TSS (lbs/yr)                  | <b>433.23</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>433.23</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-43

Site ID UFOR115 (Page 1 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 50  
Rank 21 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site in a small park adjacent to a developed area. Need to confirm compatibility with County parks personnel.

Proposed Planting Area (acres) 0.31

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This small park is a County-owned facility. Much of the park is already treed. The County needs to verify whether the tree planting parcels have conflicts with planned future uses. Some underground utilities are also present; these must be avoided.



View looking southwest from the northern part of the UFOR115 site.



View looking northeast from the northern part of the UFOR115 site.

D-43

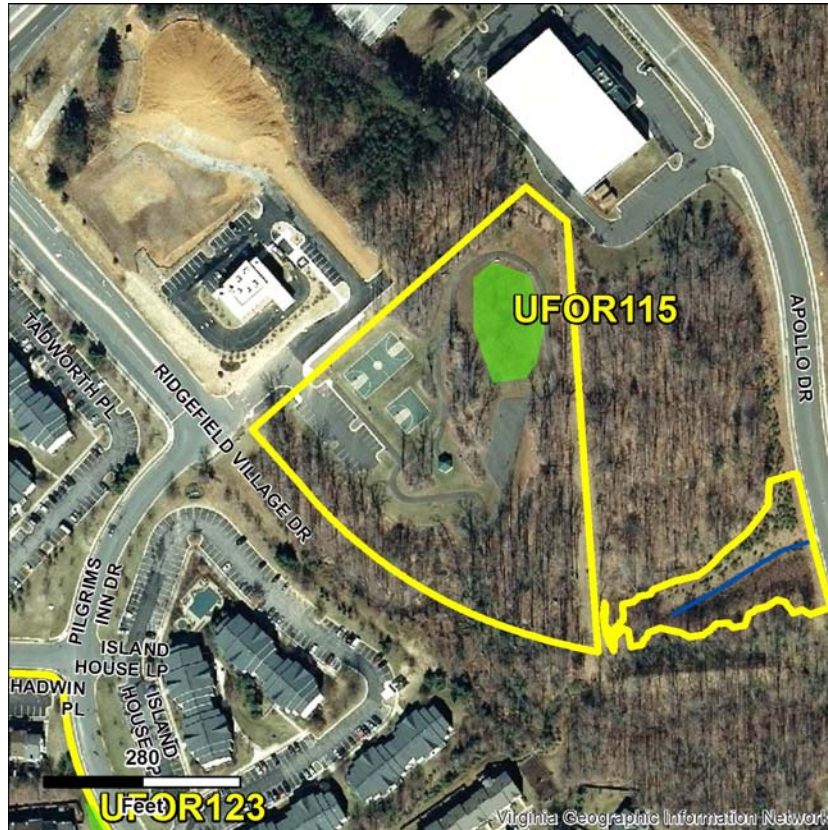
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-44

Site ID **UFOR115** (Page 2 of 2)  
Subwatershed 820

Ownership COUNTY  
Score 50  
Rank 21 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.313**      Riparian Length (ft)

| Landuse Conversion Reductions |             | Buffer Efficiency Reductions |   | Total Reductions          |             |
|-------------------------------|-------------|------------------------------|---|---------------------------|-------------|
| Total Nitrogen (lbs/yr)       | <b>1.96</b> | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>1.96</b> |
| Total Phosphorus (lbs/yr)     | <b>0.08</b> | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.08</b> |
| TSS (lbs/yr)                  | <b>50</b>   | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>50</b>   |

D-44

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-45

Site ID UFOR132 (Page 1 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 49  
Rank 23 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site adjacent to a large residential apartment area parking lot. Need to confirm compatibility with landowner.

Proposed Planting Area (acres) 0.93

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small, rather dry site, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking east from the north-central boundary of the UFOR132 site.



View looking west from the north-central boundary of the UFOR132 site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-46

Site ID **UFOR132** (Page 2 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 49  
Rank 23 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.931**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>5.83</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>5.83</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.23</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.23</b>   |
| TSS (lbs/yr)                  | <b>148.92</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>148.92</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-47

Site ID UFOR135 (Page 1 of 2)  
Subwatershed 825

Ownership HOA  
Score 49  
Rank 23 of 45 (tie)

## Site Description and Proposed Project

Relatively small opportunity for tree planting on an upland site adjacent to a residential apartment complex. Need to confirm compatibility with landowner.

Proposed Planting Area (acres) 0.55

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small residential site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking south from the eastern part of the UFOR135 site.



View looking northeast from the eastern part of the UFOR135 site.

D-47



# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR135** (Page 2 of 2)  
Subwatershed 825

Ownership HOA  
Score 49  
Rank 23 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.548**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>3.43</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>3.43</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.13</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.13</b>  |
| TSS (lbs/yr)                  | <b>87.65</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>87.65</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-49

Site ID **RFOR110** (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 48  
Rank 25 of 45

## Site Description and Proposed Project

Small opportunity for tree planting on a sloped buried culvert in a residential neighborhood. Likely need to confirm with VDOT. Refer also to site RFOR109 (directly across the road).

Proposed Planting Area (acres) 0.25

Site Hydrology Riparian

Water Sources Available Overbank flow from nearby stream

Soil Texture Clay

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry and sloped buried culvert site; it presents a small tree planting opportunity. It is privately owned, so its availability for tree planting must be confirmed. A roadside fence may need to be removed for site access. Refer also to site RFOR109 (directly across the road).



View looking southeast through site RFOR110.



View looking west through site RFOR110.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **RFOR110** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 48  
Rank 25 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.247**      Riparian Length (ft) **20**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.54</b>  | Total Nitrogen (lbs/yr)      | <b>0.61</b>  | Total Nitrogen (lbs/yr)   | <b>2.16</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.06</b>  | Total Phosphorus (lbs/yr)    | <b>0.07</b>  | Total Phosphorus (lbs/yr) | <b>0.13</b>  |
| TSS (lbs/yr)                  | <b>39.43</b> | TSS (lbs/yr)                 | <b>54.55</b> | TSS (lbs/yr)              | <b>93.98</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-51

Site ID **UFOR109** (Page 1 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 47  
Rank 26 of 45

## Site Description and Proposed Project

Good opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. See adjacent site UFOR107.

Proposed Planting Area (acres) 1.08

Site Hydrology Upland

Water Sources Available None (Rainfall only)

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a moderately-sized, rather dry site that presents relatively good tree planting opportunities. It is adjacent to Site UFOR107. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking southeast through site UFOR109.



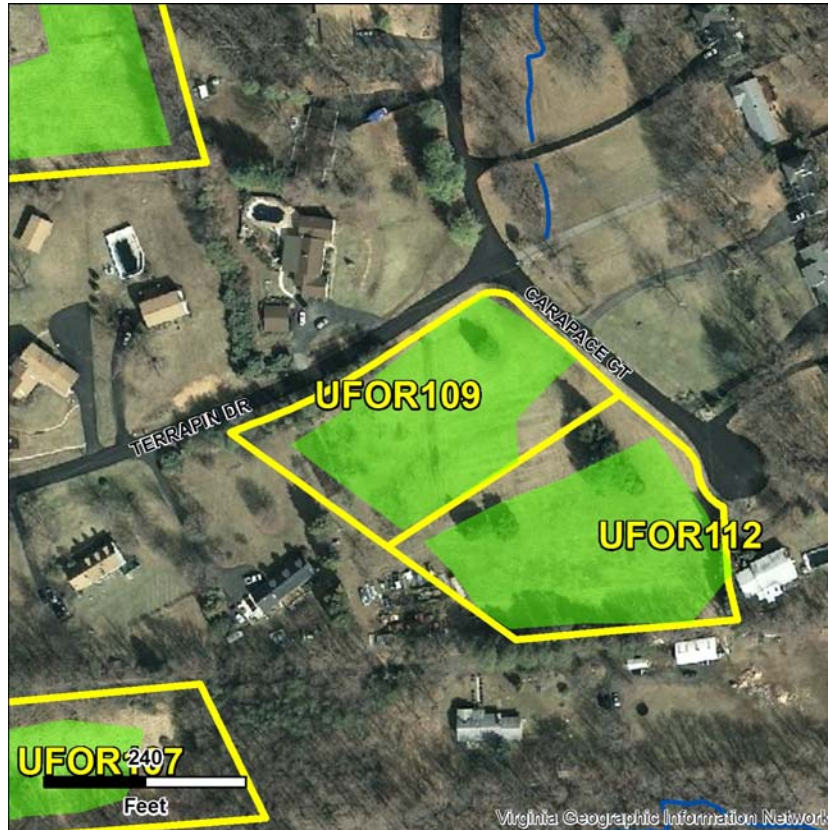
View looking south through site UFOR109.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR109** (Page 2 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 47  
Rank 26 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.079**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>6.76</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>6.76</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.26</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.26</b>   |
| TSS (lbs/yr)                  | <b>172.56</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>172.56</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-53

Site ID RFOR103 (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 46  
Rank 27 of 45

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.25

Site Hydrology Riparian

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small residential site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking east along the northern edge of site RFOR103.



View looking northeast along the northern edge of site RFOR103.

D-53

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **RFOR103** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 46  
Rank 27 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.252**      Riparian Length (ft) **95**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.58</b>  | Total Nitrogen (lbs/yr)      | <b>0.63</b>  | Total Nitrogen (lbs/yr)   | <b>2.21</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.06</b>  | Total Phosphorus (lbs/yr)    | <b>0.07</b>  | Total Phosphorus (lbs/yr) | <b>0.13</b>  |
| TSS (lbs/yr)                  | <b>40.37</b> | TSS (lbs/yr)                 | <b>55.86</b> | TSS (lbs/yr)              | <b>96.24</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-55

Site ID UFOR133 (Page 1 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 45  
Rank 28 of 45

## Site Description and Proposed Project

Small opportunity for tree planting along the outer edges of a stormwater pond adjacent to a residential neighborhood. Planting cannot be done on the pond berm itself, but there is some room on the outer edges. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.66

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination Yes

## Issues for Implementation

This is a small site adjacent to a stormwater pond, but it still presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to aesthetics may need to be addressed. Some removal of existing vegetation could be necessary for access.



View looking west from the eastern part of site UFOR133. Note only narrow margins of the pond are suitable for planting trees.



View looking northwest from the eastern part of site UFOR133. Note only narrow margins of the pond are suitable for planting trees.



# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR133** (Page 2 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 45  
Rank 28 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.658**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>4.12</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>4.12</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.16</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.16</b>   |
| TSS (lbs/yr)                  | <b>105.26</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>105.26</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-57

Site ID UFOR113 (Page 1 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 39  
Rank 29 of 45

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a shopping center parking lot. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.47

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Clay

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry site next to a shopping center parking lot; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking south from the western edge of site UFOR113.



View looking southwest from the western edge of site UFOR113.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR113** (Page 2 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 39  
Rank 29 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.467**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>2.93</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>2.93</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.11</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.11</b>  |
| TSS (lbs/yr)                  | <b>74.74</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>74.74</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-59

Site ID RFOR106 (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 38  
Rank 30 of 45

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.1

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small site in a residential neighborhood; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Removal of some existing fences could be necessary for access.



View looking southeast from the western edge of site RFOR106.

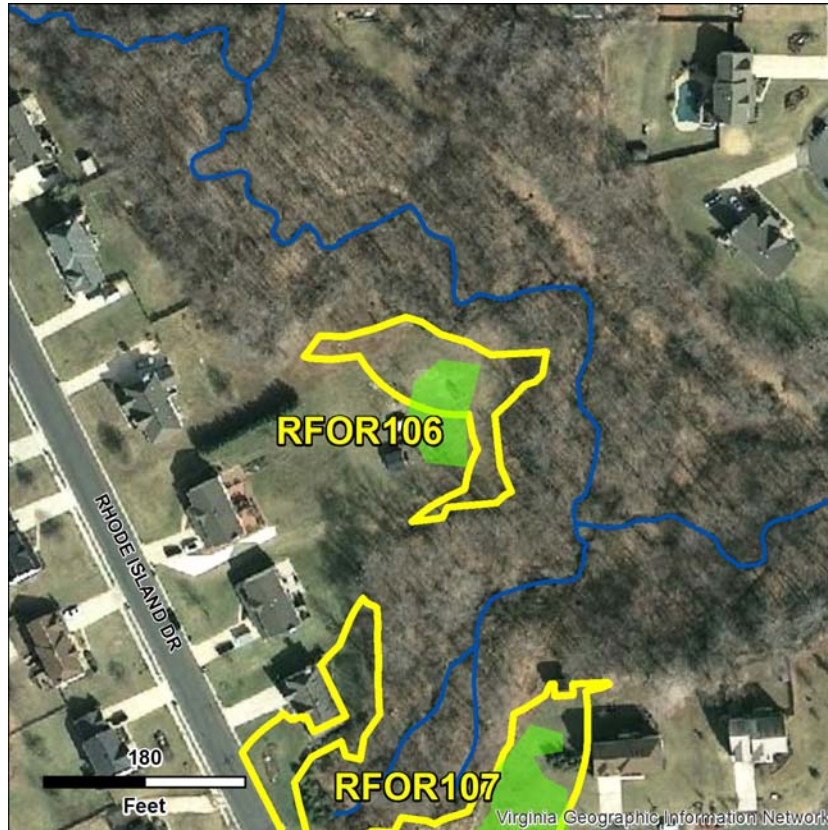
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-60

Site ID **RFOR106** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 38  
Rank 30 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.104**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>0.65</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>0.65</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.03</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.03</b>  |
| TSS (lbs/yr)                  | <b>16.58</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>16.58</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-61

Site ID UFOR107 (Page 1 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 37  
Rank 31 of 45 (tie)

## Site Description and Proposed Project

Good opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. See adjacent site UFOR109.

Proposed Planting Area (acres) 1.09  
Site Hydrology Upland  
Water Sources Available Stormwater Runoff, Hose hook-up  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

This is a moderately-sized, rather dry site that presents relatively good tree planting opportunities. It is adjacent to Site UFOR109. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking west through the southern part of the UFOR107 site.

D-61

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-62

Site ID **UFOR107** (Page 2 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 37  
Rank 31 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **1.092**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>6.83</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>6.83</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.27</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.27</b>   |
| TSS (lbs/yr)                  | <b>174.56</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>174.56</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-63

Site ID UFOR136 (Page 1 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 37  
Rank 31 of 45 (tie)

## Site Description and Proposed Project

Very small opportunity for tree planting near adjacent tributary. Much of this narrow existing site is already forested.

Proposed Planting Area (acres) 0.36  
Site Hydrology Upland  
Water Sources Available Overbank flow from nearby stream  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

This is a very small site adjacent to a tributary, but it presents limited tree planting opportunities. Much of the existing site is already forested. It is privately owned, so its availability for tree planting must be confirmed. Some underground utilities are also present; these must be avoided.



View looking south along the northern part of site UFOR136.

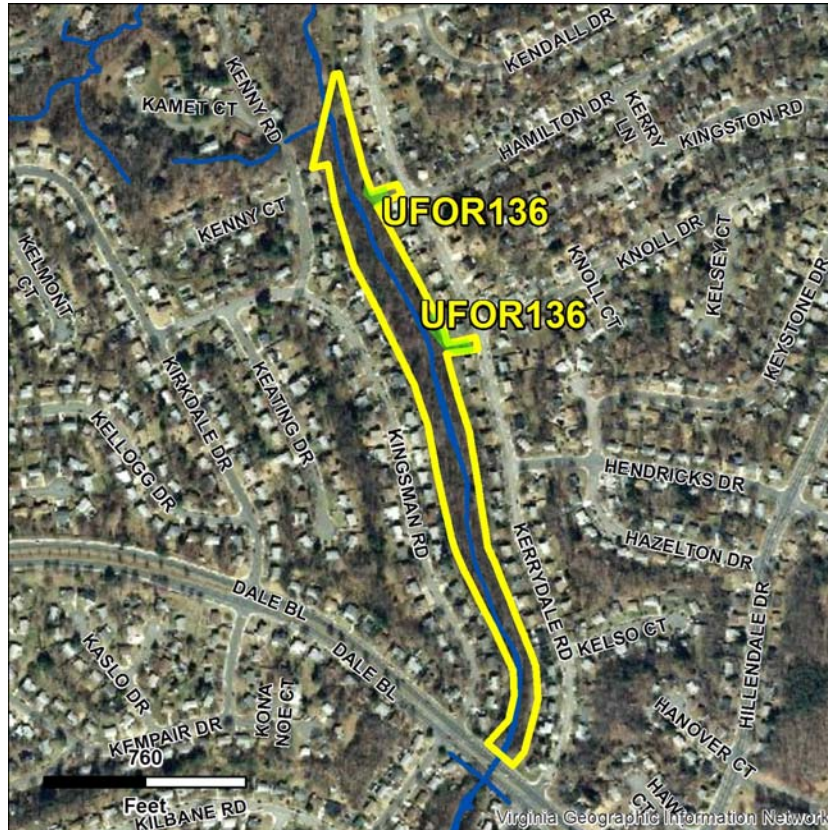


# Neabsco Creek Watershed Study Tree Planting Project Opportunity

Site ID **UFOR136** (Page 2 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 37  
Rank 31 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.358**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>2.24</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>2.24</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.09</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.09</b>  |
| TSS (lbs/yr)                  | <b>57.23</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>57.23</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-65

Site ID RFOR104 (Page 1 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 36  
Rank 33 of 45

## Site Description and Proposed Project

Very little opportunity is present for tree planting at this site, owing to its residential nature. What is not residential is almost all already forested.

Proposed Planting Area (acres) 0.25

Site Hydrology Riparian

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

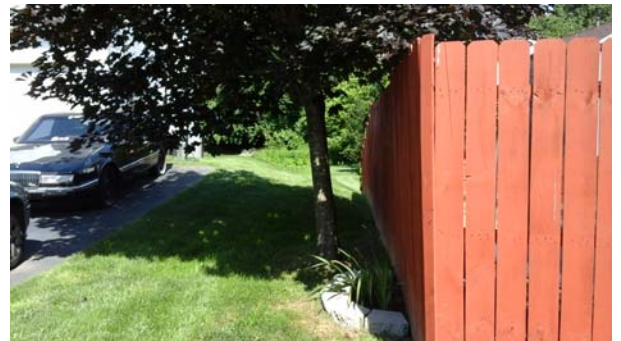
Potential Soil Contamination No

## Issues for Implementation

This is a very small, rather dry site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Removal of some existing fences could be necessary for access. Some underground utilities are also present; these must be avoided.



View looking southwest from the western edge of site RFOR104.



View looking northeast from the western edge of site RFOR104. Note residences, turf yards, and existing forest in the immediate background.

D-65

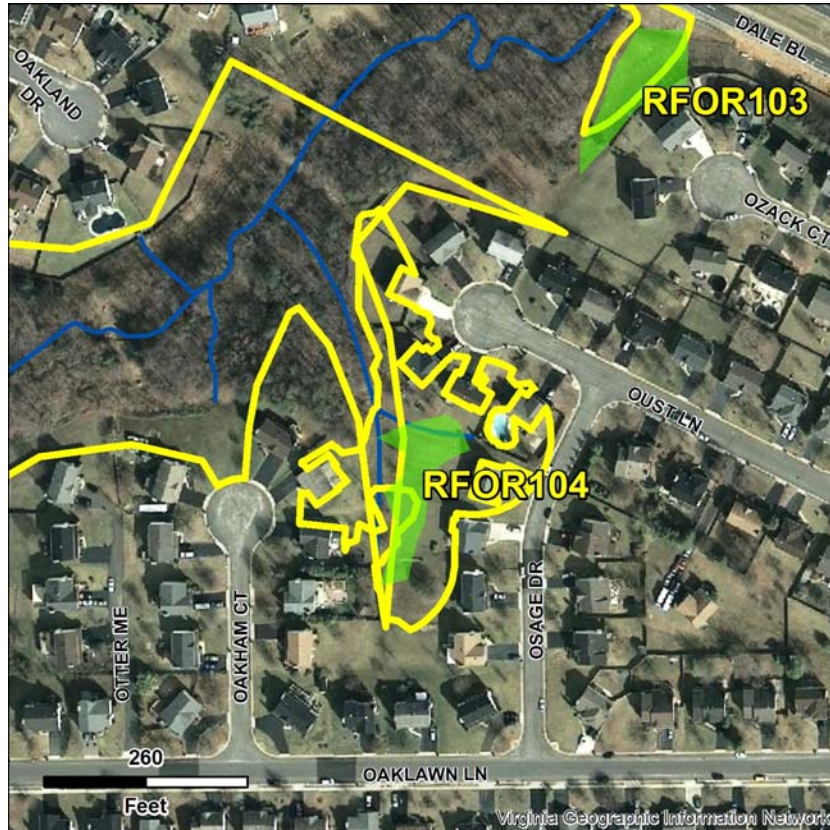
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-66

Site ID **RFOR104** (Page 2 of 2)  
Subwatershed 805

Ownership HYLTON  
Score 36  
Rank 33 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.25**      Riparian Length (ft) **75**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.56</b>  | Total Nitrogen (lbs/yr)      | <b>0.62</b>  | Total Nitrogen (lbs/yr)   | <b>2.18</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.06</b>  | Total Phosphorus (lbs/yr)    | <b>0.07</b>  | Total Phosphorus (lbs/yr) | <b>0.13</b>  |
| TSS (lbs/yr)                  | <b>39.93</b> | TSS (lbs/yr)                 | <b>55.25</b> | TSS (lbs/yr)              | <b>95.18</b> |

D-66

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-67

Site ID RFOR113 (Page 1 of 2)  
Subwatershed 825

Ownership PRIVATE  
Score 35  
Rank 34 of 45 (tie)

## Site Description and Proposed Project

Small opportunity for tree planting to expand existing riparian forest buffer. Need to confirm availability and compatibility with landowners.

Proposed Planting Area (acres) 0.2  
Site Hydrology Riparian  
Water Sources Available None (Rainfall only), Stormwater Runoff  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

This is a small, partially forested riparian site that is adjacent to several residences. Potential conflicts to homeowners must be addressed. Private fence must be temporarily removed for access.



View facing south from the north edge of site RFOR113, showing the planting area on the far side of a private fence.

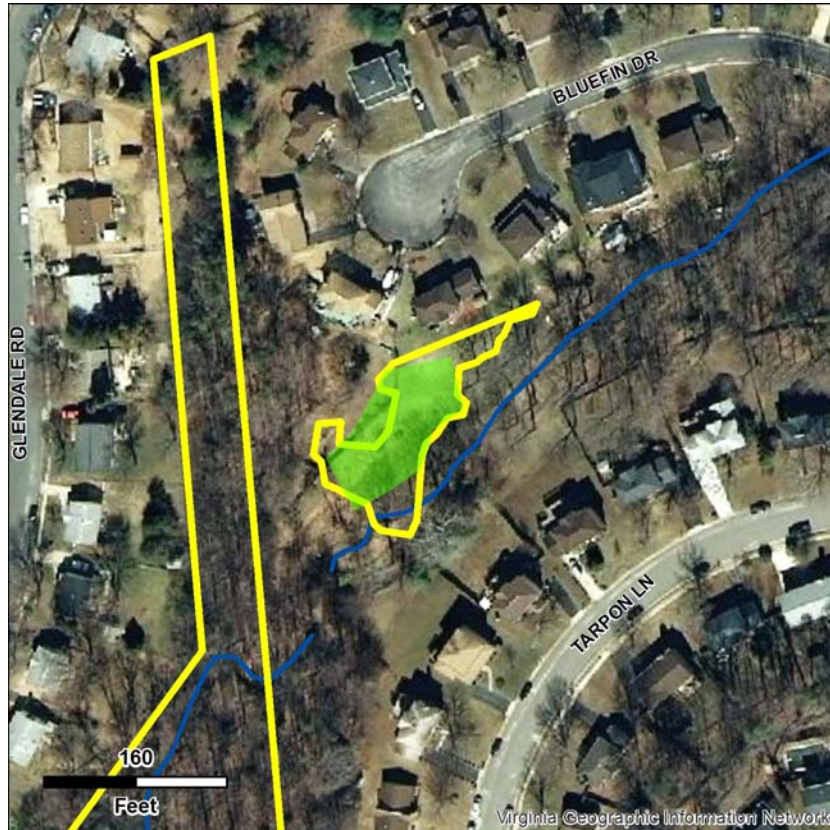
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-68

Site ID **RFOR113** (Page 2 of 2)  
Subwatershed 825

Ownership PRIVATE  
Score 35  
Rank 34 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.195**      Riparian Length (ft) **125**

| Landuse Conversion Reductions |             | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|-------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.22</b> | Total Nitrogen (lbs/yr)      | <b>0.48</b>  | Total Nitrogen (lbs/yr)   | <b>1.71</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.05</b> | Total Phosphorus (lbs/yr)    | <b>0.05</b>  | Total Phosphorus (lbs/yr) | <b>0.1</b>   |
| TSS (lbs/yr)                  | <b>31.2</b> | TSS (lbs/yr)                 | <b>43.17</b> | TSS (lbs/yr)              | <b>74.37</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-69

Site ID UFOR128 (Page 1 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 35  
Rank 34 of 45 (tie)

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. Note that most of this site is either already forested or is part of the transmission line ROW.

Proposed Planting Area (acres) 0.23

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

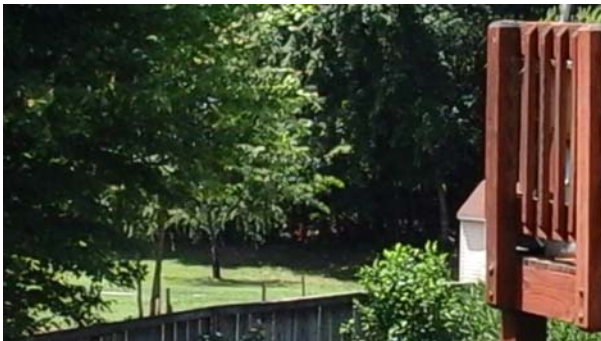
Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small residential site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking south through the northcentral part  
of site UFOR128.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-70

Site ID **UFOR128** (Page 2 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 35  
Rank 34 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.231**      Riparian Length (ft)

| Landuse Conversion Reductions |             | Buffer Efficiency Reductions |   | Total Reductions          |             |
|-------------------------------|-------------|------------------------------|---|---------------------------|-------------|
| Total Nitrogen (lbs/yr)       | <b>1.45</b> | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>1.45</b> |
| Total Phosphorus (lbs/yr)     | <b>0.06</b> | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.06</b> |
| TSS (lbs/yr)                  | <b>37</b>   | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>37</b>   |

D-70

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-71

Site ID UFOR110 (Page 1 of 2)  
Subwatershed 820

Ownership OPEN  
Score 34  
Rank 36 of 45 (tie)

## Site Description and Proposed Project

Good opportunity for tree planting on existing turf areas at this site. Need to verify with the private owner that there are no conflicts with existing or future uses.

Proposed Planting Area (acres) 0.79

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a moderately-sized residential site at an apartment complex; it presents good tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking east through site UFOR119.



View looking west through site UFOR119.

D-71



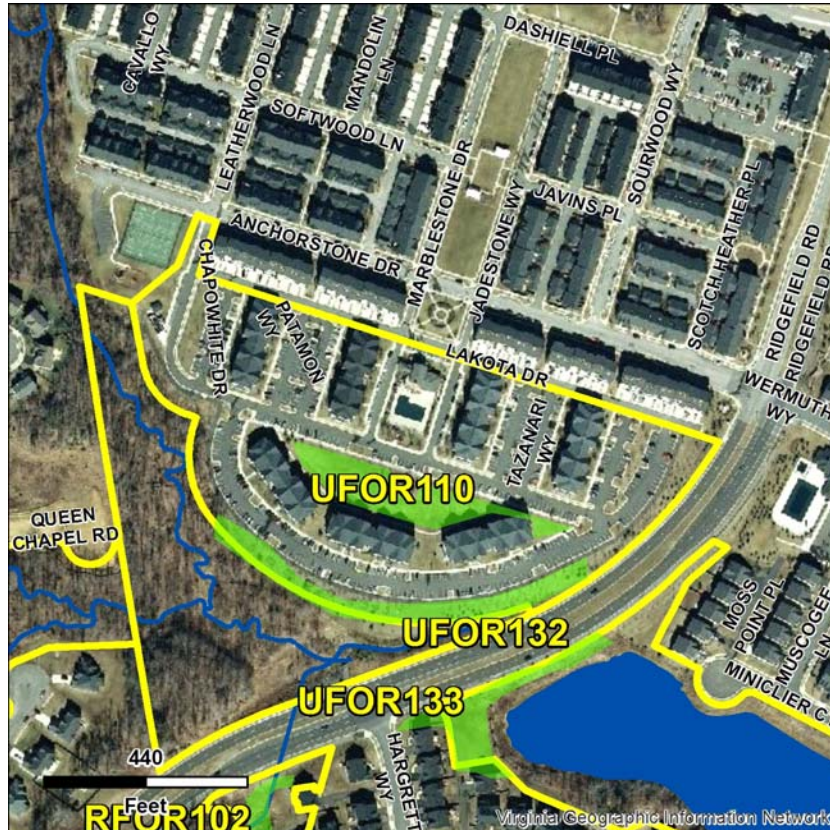
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-72

Site ID **UFOR110** (Page 2 of 2)  
Subwatershed 820

Ownership OPEN  
Score 34  
Rank 36 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.793**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>4.97</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>4.97</b>   |
| Total Phosphorus (lbs/yr)     | <b>0.19</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.19</b>   |
| TSS (lbs/yr)                  | <b>126.83</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>126.83</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-73

Site ID UFOR127 (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 34  
Rank 36 of 45 (tie)

## Site Description and Proposed Project

Small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners.

Proposed Planting Area (acres) 0.36

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small residential site at an apartment complex; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking east from the west-central part of site UFOR127.



View looking northwest from the west-central part of site UFOR127.

D-73

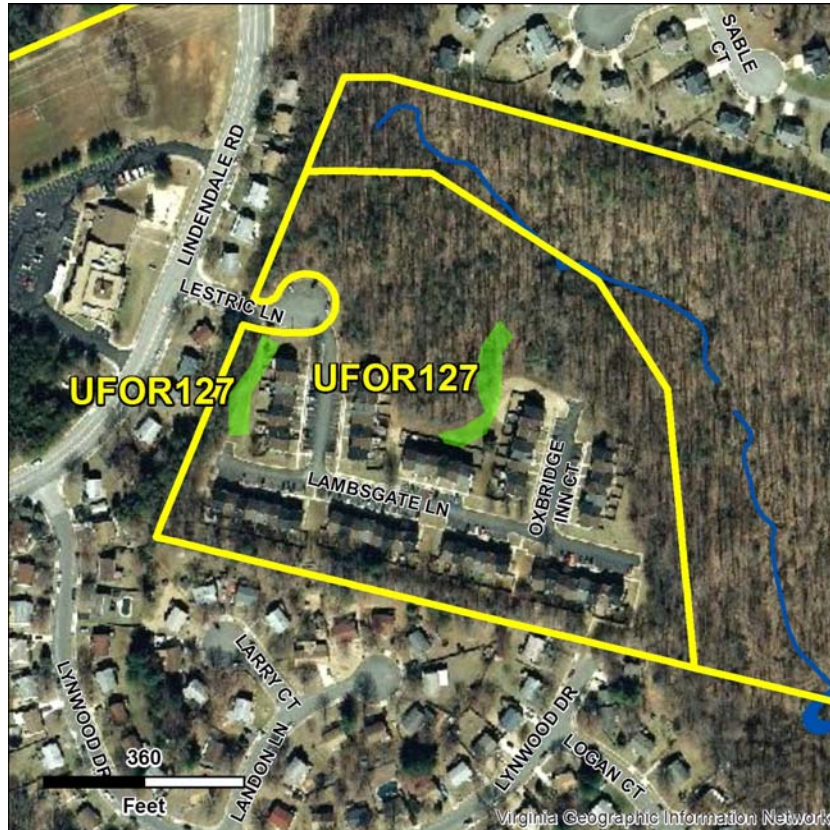
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-74

Site ID **UFOR127** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 34  
Rank 36 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres)       Riparian Length (ft)

| Landuse Conversion Reductions |                                    | Buffer Efficiency Reductions |                                | Total Reductions          |                                    |
|-------------------------------|------------------------------------|------------------------------|--------------------------------|---------------------------|------------------------------------|
| Total Nitrogen (lbs/yr)       | <input type="text" value="2.27"/>  | Total Nitrogen (lbs/yr)      | <input type="text" value="-"/> | Total Nitrogen (lbs/yr)   | <input type="text" value="2.27"/>  |
| Total Phosphorus (lbs/yr)     | <input type="text" value="0.09"/>  | Total Phosphorus (lbs/yr)    | <input type="text" value="-"/> | Total Phosphorus (lbs/yr) | <input type="text" value="0.09"/>  |
| TSS (lbs/yr)                  | <input type="text" value="58.02"/> | TSS (lbs/yr)                 | <input type="text" value="-"/> | TSS (lbs/yr)              | <input type="text" value="58.02"/> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-75

Site ID UFOR106 (Page 1 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 32  
Rank 38 of 45 (tie)

## Site Description and Proposed Project

This is a good opportunity for upland tree planting. Access is fairly easy, and only some minor vegetation clearing should be required for tree planting. The site, however, is privately owned.

Proposed Planting Area (acres) 0.64

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This is a moderate-sized site, but it still presents good tree planting opportunities. Access is fairly easy, and only some minor vegetation clearing could be required. It is privately owned, so its availability for tree planting must be confirmed.



View looking east/southeast through the northern part of site UFOR106.



View looking southwest through the central part of site UFOR106. Note the volunteer small trees starting to grow in this part of the site.

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-76

Site ID **UFOR106** (Page 2 of 2)  
Subwatershed 805

Ownership PRIVATE  
Score 32  
Rank 38 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.638**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>4.00</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>4</b>      |
| Total Phosphorus (lbs/yr)     | <b>0.16</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.16</b>   |
| TSS (lbs/yr)                  | <b>102.05</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>102.05</b> |

D-76

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-77

Site ID UFOR108 (Page 1 of 2)  
Subwatershed 825

Ownership PRIVATE  
Score 32  
Rank 38 of 45 (tie)

## Site Description and Proposed Project

There is a small opportunity for tree planting at this site, but much of the land contains parking lots, buildings, and other facilities that serve the existing Verizon service center. Additionally, the entire northern part of the site is already forested.

Proposed Planting Area (acres) 0.88

Site Hydrology Upland

Water Sources Available Stormwater Runoff

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Removal of some existing fences and outbuildings could be necessary for access. Some underground utilities are also present; these must be avoided.



View looking south through the central part of site UFOR108.



View looking northwest through the central part of site UFOR108. This appeared to be a privately owned Verizon service center.

D-77

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-78

Site ID **UFOR108** (Page 2 of 2)  
Subwatershed 825

Ownership PRIVATE  
Score 32  
Rank 38 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.878**      Riparian Length (ft)

| Landuse Conversion Reductions |               | Buffer Efficiency Reductions |   | Total Reductions          |               |
|-------------------------------|---------------|------------------------------|---|---------------------------|---------------|
| Total Nitrogen (lbs/yr)       | <b>5.50</b>   | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>5.5</b>    |
| Total Phosphorus (lbs/yr)     | <b>0.21</b>   | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.21</b>   |
| TSS (lbs/yr)                  | <b>140.46</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>140.46</b> |

D-78

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-79

Site ID UFOR137 (Page 1 of 2)  
Subwatershed 825

Ownership HYLTON  
Score 32  
Rank 38 of 45 (tie)

## Site Description and Proposed Project

Very little opportunity is present for tree planting at this site, owing to its management for the existing electric transmission line ROW.

Proposed Planting Area (acres) 0.1

Site Hydrology Upland

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This site is within and directly adjacent to an existing electric utility right-of-way, and is heavily managed by mowing and herbicides. Very little opportunity is currently available for tree planting.



View looking northeast through the electric transmission line ROW at site UFOR137



View looking southeast through the electric transmission line ROW at site UFOR137.



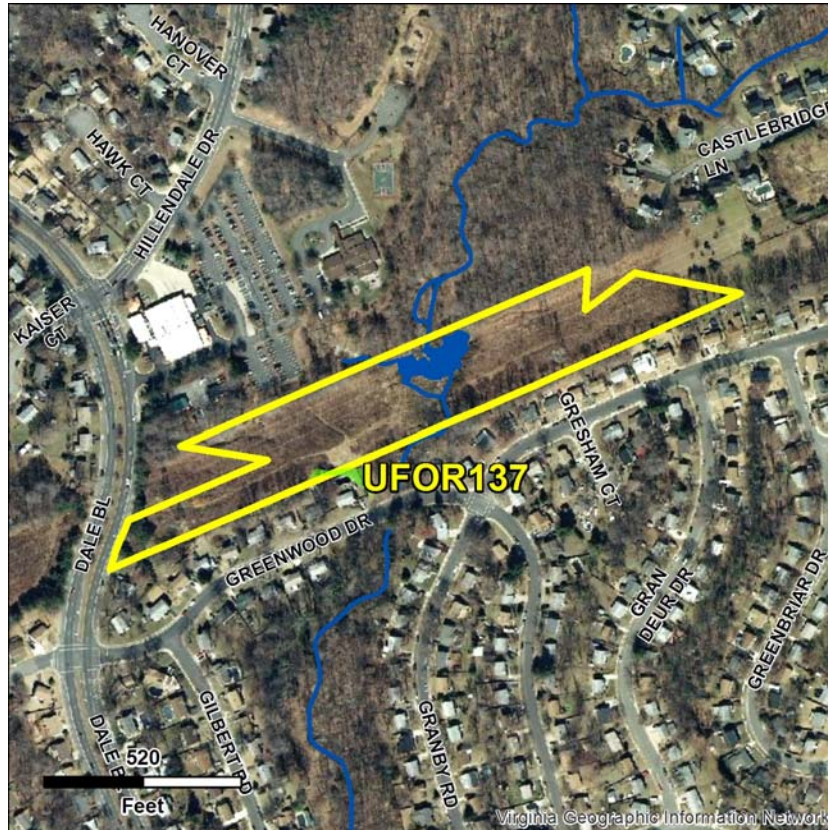
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-80

Site ID **UFOR137** (Page 2 of 2)  
Subwatershed 825

Ownership HYLTON  
Score 32  
Rank 38 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.103**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>0.64</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>0.64</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.02</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.02</b>  |
| TSS (lbs/yr)                  | <b>16.39</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>16.39</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-81

Site ID RFOR112 (Page 1 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 31  
Rank 41 of 45

## Site Description and Proposed Project

Very little opportunity is present for tree planting at this site, owing to its management for the existing electric transmission line ROW. Getting to this site is difficult, and involves access through several properties and wetlands.

Proposed Planting Area (acres) 0.24

Site Hydrology Riparian

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction None

Potential Soil Contamination No

## Issues for Implementation

This site is within and directly adjacent to an existing electric utility right-of-way, and is heavily managed by mowing and herbicides. Very little opportunity is currently available for tree planting. Getting to this site is also difficult, and involves access through several private properties and wetlands.



View looking south from the east-central boundary of site RFOR112.

Photo 1. View looking south from the east-central boundary of site RFOR112.



View looking east from the east-central boundary of site RFOR112.

D-81

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-82

Site ID **RFOR112** (Page 2 of 2)  
Subwatershed 815

Ownership HYLTON  
Score 31  
Rank 41 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.237**      Riparian Length (ft) **55**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.49</b>  | Total Nitrogen (lbs/yr)      | <b>0.59</b>  | Total Nitrogen (lbs/yr)   | <b>2.08</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.06</b>  | Total Phosphorus (lbs/yr)    | <b>0.06</b>  | Total Phosphorus (lbs/yr) | <b>0.12</b>  |
| TSS (lbs/yr)                  | <b>37.97</b> | TSS (lbs/yr)                 | <b>52.54</b> | TSS (lbs/yr)              | <b>90.51</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-83

Site ID RFOR102 (Page 1 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 30  
Rank 42 of 45 (tie)

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. Some temporary fence removal may be necessary for the tree planting.

Proposed Planting Area (acres) 0.17  
Site Hydrology Riparian  
Water Sources Available Overbank flow from nearby stream  
Soil Texture Loam  
Soil Compaction Moderate  
Potential Soil Contamination No

## Issues for Implementation

This is a very small site in a residential neighborhood; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Removal of some existing fences could be necessary for access.



View looking east from the southern end of site RFOR102.

D-83

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-84

Site ID **RFOR102** (Page 2 of 2)  
Subwatershed 820

Ownership PRIVATE  
Score 30  
Rank 42 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.174**      Riparian Length (ft) **130**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.09</b>  | Total Nitrogen (lbs/yr)      | <b>0.43</b>  | Total Nitrogen (lbs/yr)   | <b>1.52</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.04</b>  | Total Phosphorus (lbs/yr)    | <b>0.05</b>  | Total Phosphorus (lbs/yr) | <b>0.09</b>  |
| TSS (lbs/yr)                  | <b>27.81</b> | TSS (lbs/yr)                 | <b>38.48</b> | TSS (lbs/yr)              | <b>66.29</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-85

Site ID UFOR120 (Page 1 of 2)  
Subwatershed 815

Ownership HOA  
Score 30  
Rank 42 of 45 (tie)

## Site Description and Proposed Project

Small opportunity for tree planting at a designated historic site. Need to confirm compatibility of tree planting with landowners, County, and other necessary entities.

Proposed Planting Area (acres) 0.18

Site Hydrology -

Water Sources Available Stormwater Runoff, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small opportunity for tree planting at a designated historic site (Bel Air Plantation). It is privately owned, so will need to confirm compatibility of tree planting with landowners, County, and other necessary entities. Some underground utilities are also present; these must be avoided.



View looking northeast through the access drive for site UFOR120. The sign indicates this is the site of the historic Bel Air Plantation.



View looking north through the access drive for site UFOR120. The sign indicates this is the site of the historic Bel Air Plantation.

D-85

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-86

Site ID **UFOR120** (Page 2 of 2)  
Subwatershed 815

Ownership HOA  
Score 30  
Rank 42 of 45 (tie)

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.183**      Riparian Length (ft)

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |   | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|---|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.15</b>  | Total Nitrogen (lbs/yr)      | - | Total Nitrogen (lbs/yr)   | <b>1.15</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.04</b>  | Total Phosphorus (lbs/yr)    | - | Total Phosphorus (lbs/yr) | <b>0.04</b>  |
| TSS (lbs/yr)                  | <b>29.32</b> | TSS (lbs/yr)                 | - | TSS (lbs/yr)              | <b>29.32</b> |

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-87

Site ID RFOR108 (Page 1 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 29  
Rank 44 of 45

## Site Description and Proposed Project

Small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. Access is difficult, owing to existing fences, outbuildings, and slope.

Proposed Planting Area (acres) 0.23

Site Hydrology Riparian

Water Sources Available Hose hook-up, Overbank flow from nearby stream

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a small commercial site; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. Much of the site contains parking lots, buildings, and other facilities that serve the existing Verizon service center. Some underground utilities are also present; these must be avoided. Some minor grading could also be required for tree planting.



View looking northwest from the east-central boundary of site RFOR108. The perennial tributary is in the mid-ground of the photo, at the large trees.

D-87



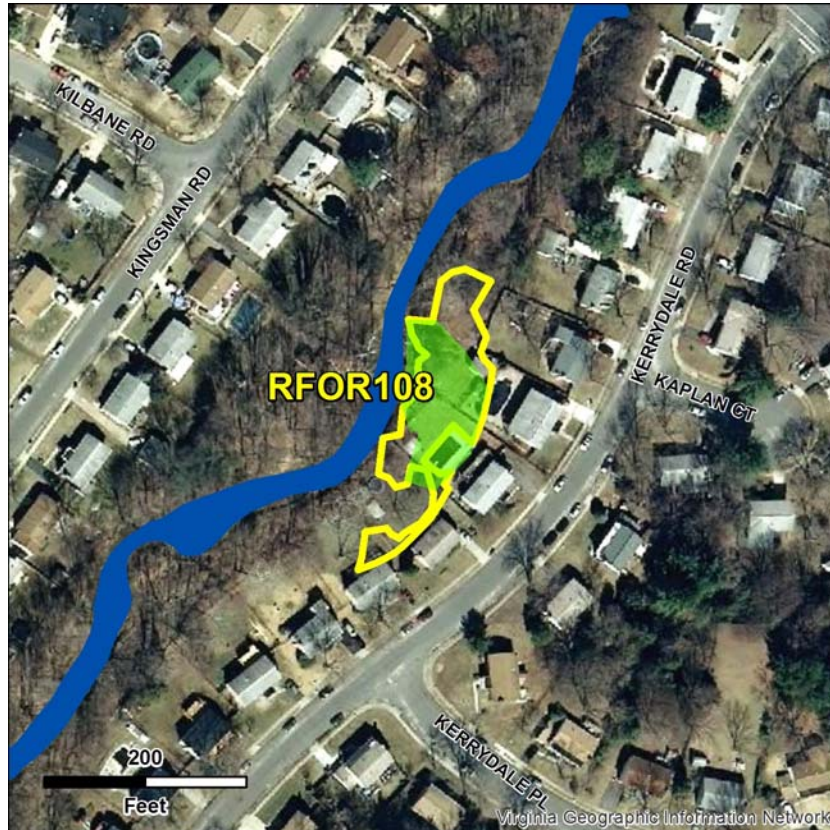
# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-88

Site ID **RFOR108** (Page 2 of 2)  
Subwatershed 820

Ownership HYLTON  
Score 29  
Rank 44 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres) **0.234**      Riparian Length (ft) **75**

| Landuse Conversion Reductions |              | Buffer Efficiency Reductions |              | Total Reductions          |              |
|-------------------------------|--------------|------------------------------|--------------|---------------------------|--------------|
| Total Nitrogen (lbs/yr)       | <b>1.47</b>  | Total Nitrogen (lbs/yr)      | <b>0.58</b>  | Total Nitrogen (lbs/yr)   | <b>2.05</b>  |
| Total Phosphorus (lbs/yr)     | <b>0.06</b>  | Total Phosphorus (lbs/yr)    | <b>0.06</b>  | Total Phosphorus (lbs/yr) | <b>0.12</b>  |
| TSS (lbs/yr)                  | <b>37.46</b> | TSS (lbs/yr)                 | <b>51.83</b> | TSS (lbs/yr)              | <b>89.29</b> |

D-88

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-89

Site ID UFOR103 (Page 1 of 2)  
Subwatershed 805

Ownership HOA  
Score 27  
Rank 45 of 45

## Site Description and Proposed Project

Very small opportunity for tree planting adjacent to a residential neighborhood. Need to confirm compatibility with landowners. Existing utilities could also be of concern for tree planting.

Proposed Planting Area (acres) 0.15

Site Hydrology Upland

Water Sources Available Hose hook-up

Soil Texture Loam

Soil Compaction Moderate

Potential Soil Contamination No

## Issues for Implementation

This is a very small site in a residential neighborhood; it presents limited tree planting opportunities. It is privately owned, so its availability for tree planting must be confirmed. It is directly adjacent to several residences, so potential conflicts to homeowners must also be addressed. Some underground utilities are also present; these must be avoided.



View looking northwest from the eastern edge of site UFOR103.

D-89

# Neabsco Creek Watershed Study Tree Planting Project Opportunity

D-90

Site ID **UFOR103** (Page 2 of 2)  
Subwatershed 805

Ownership HOA  
Score 27  
Rank 45 of 45

## Locator Map



### Estimated Pollutant Load Reductions

Total Area (acres)       Riparian Length (ft)

| Landuse Conversion Reductions |                                    | Buffer Efficiency Reductions |                                | Total Reductions          |                                    |
|-------------------------------|------------------------------------|------------------------------|--------------------------------|---------------------------|------------------------------------|
| Total Nitrogen (lbs/yr)       | <input type="text" value="0.93"/>  | Total Nitrogen (lbs/yr)      | <input type="text" value="-"/> | Total Nitrogen (lbs/yr)   | <input type="text" value="0.93"/>  |
| Total Phosphorus (lbs/yr)     | <input type="text" value="0.04"/>  | Total Phosphorus (lbs/yr)    | <input type="text" value="-"/> | Total Phosphorus (lbs/yr) | <input type="text" value="0.04"/>  |
| TSS (lbs/yr)                  | <input type="text" value="23.84"/> | TSS (lbs/yr)                 | <input type="text" value="-"/> | TSS (lbs/yr)              | <input type="text" value="23.84"/> |

D-90