



Vegetation Unit Summaries for **Woods Memorial Natural Area (WMNA)**

Report date: 3/27/2007

'*' = non-native invasive species

Visit data as of: 3/27/2007

Unit rWMNA*373

Size: 0.58 Acres

NVCS Subclass: Mixed evergreen-deciduous forest

% Tree canopy: 65%

% Non-Native Cover: 70

Slope: na

Aspect: na

Visit date: 9/13/2006

Wetland indicators: Streams. (Surface water was present)

Dominant Trees: western red cedar (*Thuja plicata*), bigleaf maple (*Acer macrophyllum*).

Dominant Shrubs: Himalayan blackberry (*Rubus discolor** > 50% cover).

Shrubs > 20% cover: English ivy (*Hedera helix**), Indian-plum (*Oemleria cerasiformis*), vine maple (*Acer circinatum*).

Dominant Forbs: sword fern (*Polystichum munitum*).

Additional Invasives: English holly (*Ilex aquafolium**), bittersweet nightshade (*Solanum dulcamara**), English laurel (*Prunus laurocerasus**), horsechestnut (*Aesculus hippocastanum**), garlic mustard (*Alliaria petiolata**), herb-Robert (*Geranium robertianum**), morning glory (*Convolvulus arvensis**), common filbert (*Corylus avellana**), European hawthorn (*Crataegus monogyna**).

Ecological Health: Poor.

Primary Management concerns: heavy level of invasive species, Trampling, Soil Compaction, Stream Bank Erosion, Informal Trails.

Unit rWMNA*390

Size: 0.51 Acres

NVCS Subclass: Deciduous forest

% Tree canopy: 70%

% Non-Native Cover: 75

Slope: na

Aspect: na

Visit date: 9/13/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)



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Dominant Trees: bigleaf maple (*Acer macrophyllum*). **Trees > 20% cover:** western red cedar (*Thuja plicata*).

Dominant Shrubs: Himalayan blackberry (*Rubus discolor**). **Shrubs > 20% cover:** Indian-plum (*Oemleria cerasiformis*), vine maple (*Acer circinatum*).

Dominant Forbs: sword fern (*Polystichum munitum*).

Additional Invasives: bittersweet nightshade (*Solanum dulcamara**), English laurel (*Prunus laurocerasus**), English holly (*Ilex aquafolium**), herb-Robert (*Geranium robertianum**), English ivy (*Hedera helix**), European hawthorn (*Crataegus monogyna**), common filbert (*Corylus avellana**).

Ecological Health: Poor.

Primary Management concerns: heavy level of invasive species, Trampling, Domestic Animals, Litter, Stream Bank Erosion, Informal Trails.

Unit rWMNA*391

Size: 1.41 Acres

NVCS Subclass: Deciduous forest

% Tree canopy: 60%

% Non-Native Cover: 85

Slope: na

Aspect: unknown

Visit date: 9/13/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)

Dominant Trees: bigleaf maple (*Acer macrophyllum*). **Trees > 20% cover:** western red cedar (*Thuja plicata*).

Dominant Shrubs: English ivy (*Hedera helix**), Himalayan blackberry (*Rubus discolor** > 50% cover). **Shrubs > 20% cover:** vine maple (*Acer circinatum*).

Dominant Forbs: sword fern (*Polystichum munitum*). **Forbs > 20% cover:** ladyfern (*Athyrium filix-femina*).

Additional Invasives: Norway maple (*Acer platanoides**), clematis (*Clematis vitalba**), English holly (*Ilex aquafolium**), English laurel (*Prunus laurocerasus**), bittersweet nightshade (*Solanum dulcamara**).

Ecological Health: Severely Degraded.

Primary Management concerns: heavy level of invasive species, Stream Bank Erosion, Informal Trails.

Unit rWMNA*395

Size: 1.56 Acres

NVCS Subclass: Mixed evergreen-deciduous forest

% Tree canopy: 85%



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% Non-Native Cover: 65

Slope: na

Aspect: na

Visit date: 9/14/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)

Dominant Trees: bigleaf maple (*Acer macrophyllum*), western red cedar (*Thuja plicata*).

Dominant Shrubs: vine maple (*Acer circinatum*), English ivy (*Hedera helix** > 50% cover). **Shrubs > 20% cover:** Indian-plum (*Oemleria cerasiformis*).

Dominant Forbs: ladyfern (*Athyrium filix-femina*). **Forbs > 20% cover:** sword fern (*Polystichum munitum*).

Additional Invasives: herb-Robert (*Geranium robertianum**), European mountain ash (*Sorbus aucuparia**), Himalayan blackberry (*Rubus discolor**), garlic mustard (*Alliaria petiolata**), English holly (*Ilex aquafolium**), clematis (*Clematis vitalba**), English laurel (*Prunus laurocerasus**).

Ecological Health: Poor.

Primary Management concerns: moderate level of invasive species, Trampling, Soil Compaction, Domestic Animals, Litter, Large Refuse, Stream Bank Erosion, Informal Trails.

Unit rWMNA*398

Size: 0.67 Acres

NVCS Subclass: Deciduous forest

% Tree canopy: 75%

% Non-Native Cover: 40

Slope: na

Aspect: na

Visit date: 9/18/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)

Dominant Trees: bigleaf maple (*Acer macrophyllum*). **Trees > 20% cover:** red alder (*Alnus rubra*).

Dominant Shrubs: Indian-plum (*Oemleria cerasiformis*), Himalayan blackberry (*Rubus discolor**).

Dominant Forbs: sword fern (*Polystichum munitum*).

Additional Invasives: English ivy (*Hedera helix**), English holly (*Ilex aquafolium**), herb-Robert (*Geranium robertianum**), garlic mustard (*Alliaria petiolata**), sweet pie cherry (*Prunus avium**), bittersweet nightshade (*Solanum dulcamara**), European hawthorn (*Crataegus monogyna**), English laurel (*Prunus laurocerasus**).



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Ecological Health: Poor.

Primary Management concerns: moderate level of invasive species, Domestic Animals, Large Refuse, Stream Bank Erosion.

Unit rWMNA*400

Size: 0.39 Acres

NVCS Subclass: Mixed evergreen-deciduous forest

% Tree canopy: 75%

% Non-Native Cover: 70

Slope: na

Aspect: na

Visit date: 9/18/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)

Trees > 20% cover: bigleaf maple (*Acer macrophyllum*).

Dominant Shrubs: Himalayan blackberry (*Rubus discolor**). **Shrubs > 20% cover:** Indian-plum (*Oemleria cerasiformis*), English ivy (*Hedera helix**).

Dominant Forbs: sword fern (*Polystichum munitum*).

Additional Invasives: English laurel (*Prunus laurocerasus**), European mountain ash (*Sorbus aucuparia**), English holly (*Ilex aquafolium**).

Ecological Health: Poor.

Primary Management concerns: heavy level of invasive species, Domestic Animals, Stream Bank Erosion.

Unit rWMNA*426

Size: 0.26 Acres

NVCS Subclass: Mixed evergreen-deciduous forest

% Tree canopy: 80%

% Non-Native Cover: 70

Slope: na

Aspect: na

Visit date: 9/13/2006

Wetland indicators: Streams, Hydrophilic Vegetation. (Surface water was present)

Dominant Trees: western red cedar (*Thuja plicata*), red alder (*Alnus rubra*).

Trees > 20% cover: bigleaf maple (*Acer macrophyllum*).

Dominant Shrubs: Himalayan blackberry (*Rubus discolor**). **Shrubs > 20% cover:** vine maple (*Acer circinatum*).

Dominant Forbs: sword fern (*Polystichum munitum*).

Additional Invasives: English laurel (*Prunus laurocerasus**), English holly (*Ilex aquafolium**), Norway maple (*Acer platanoides**), garlic mustard (*Alliaria*



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petiolata*), European mountain ash (*Sorbus aucuparia**), herb-Robert (*Geranium robertianum**), English ivy (*Hedera helix**), common filbert (*Corylus avellana**).

Ecological Health: Severely Degraded.

Primary Management concerns: heavy level of invasive species, Litter, Yard Debris, Stream Bank Erosion.