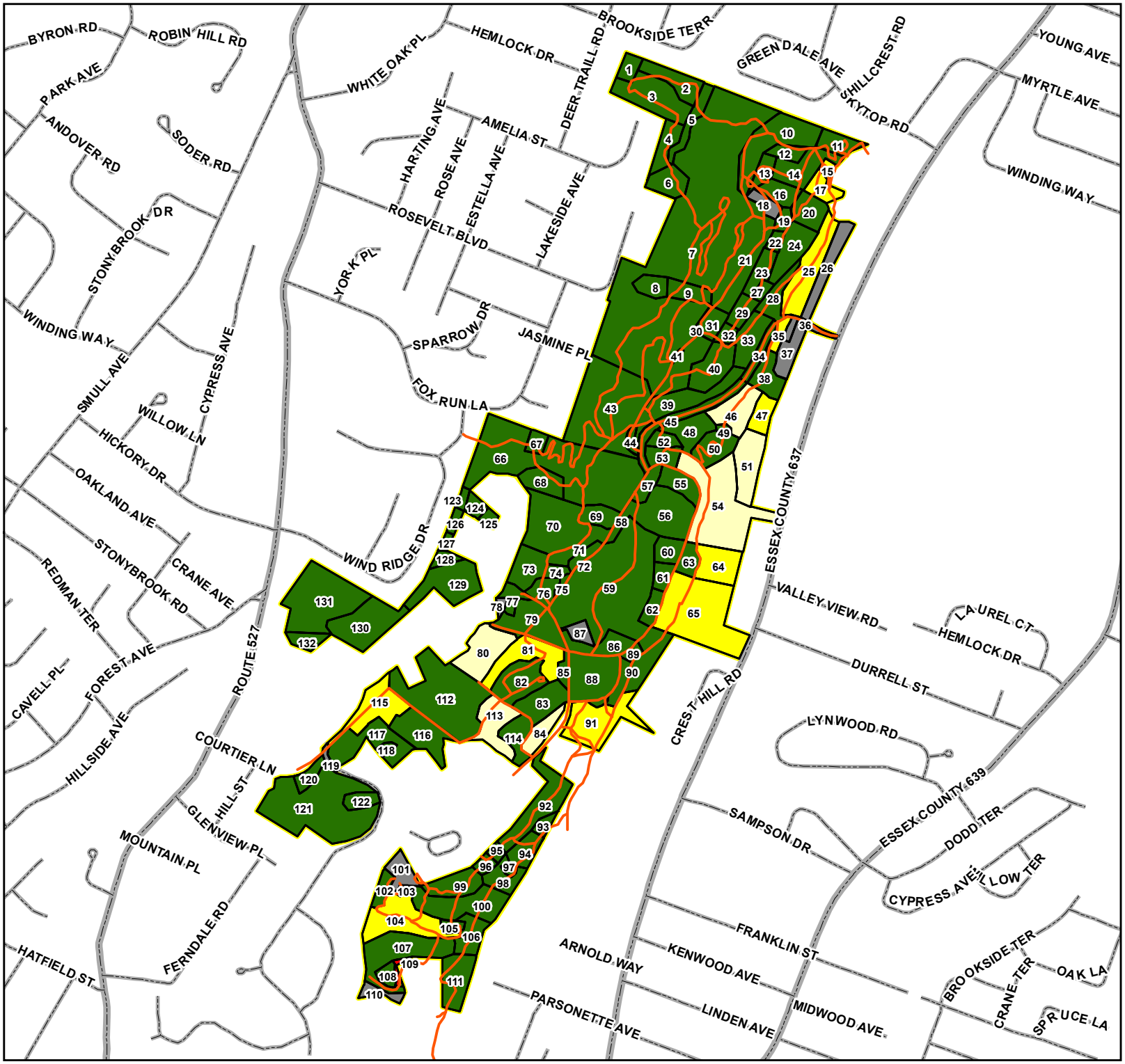

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Norway Maple

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Tree-of-Heaven

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Garlic Mustard

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Porcelain-berry

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Aralia

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Mugwort

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Barberry

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Catalpa

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Oriental Bittersweet

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Canada Thistle

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Five-leaf Aralia

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Winged Burning Bush

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Wintercreeper

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Knotweed

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Glossy Buckthorn

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

English Ivy

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Hops

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Border Privet

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Honeysuckle

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Amur Honeysuckle

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Crabapple

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Stiltgrass

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Chinese Silvergrass

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Boston Ivy

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Mile-a-Minute

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Common Reed

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Sweet Cherry

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Weeping Higan Cherry

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Jetbead

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

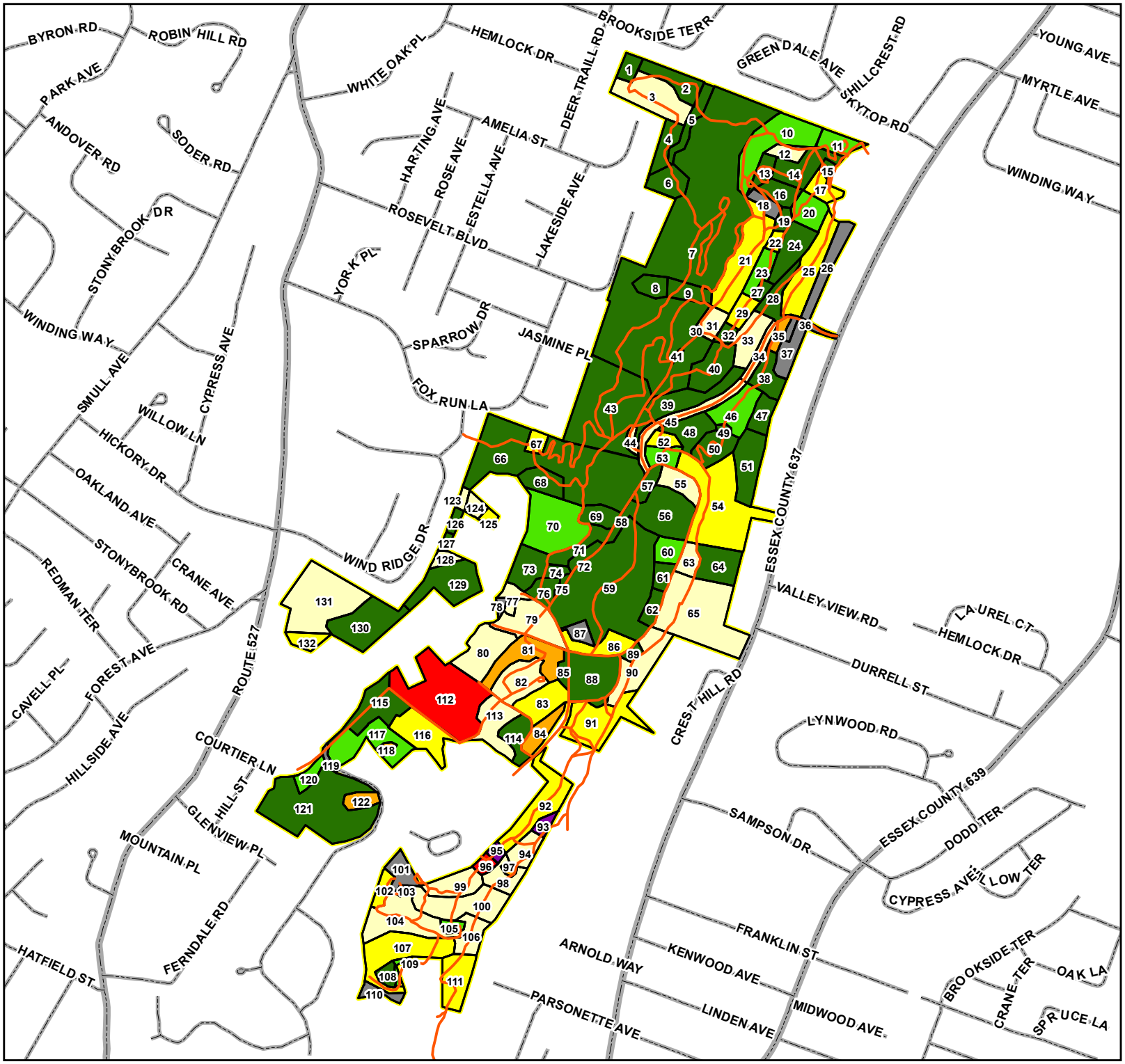
Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Black Locust

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%



Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

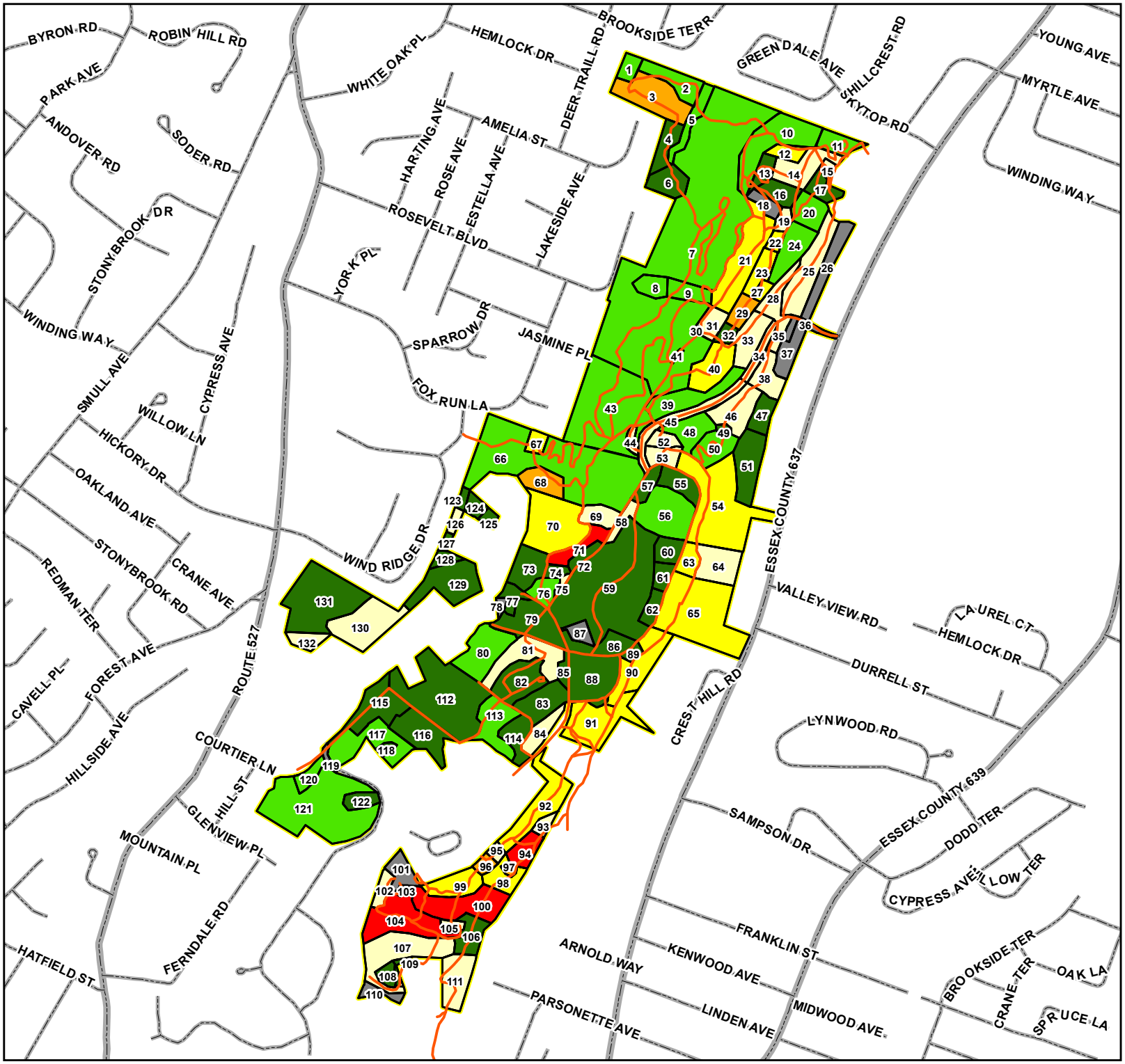
Multiflora Rose

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet



Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

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Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Wineberry

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet

Essex County Hilltop Reservation

Invasive Species Management Plan

Invasive Species Distribution Map

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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Crown Vetch

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

N

Locator Map

0 500 1,000 1,500 Feet

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Linden Viburnum

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
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Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category
Siebold's Viburnum

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%

Essex County
Hilltop Reservation

Invasive Species
Management Plan

Invasive Species
Distribution Map

Map prepared by Michael Van Clef, Ph.D.
Ecological Solutions LLC

Legend

- Reservation Boundary
- Trails
- Mapped Areas
- Non-Habitat Areas

Species Cover Category

Japanese Wisteria

- Absent
- < 1%
- 1-10%
- 11-25%
- 26-50%
- 51-75%
- > 75%