



London
CANADA

NATURAL HERITAGE INVENTORY AND EVALUATION FOR THE MEDWAY VALLEY HERITAGE FOREST ESA

Public Meeting 1

A graphic element for the Dillon Consulting logo, consisting of a series of parallel lines forming a curved shape.

DILLON
CONSULTING

July 25, 2013

WELCOME!

The City of London has initiated an updated Natural Heritage Inventory and Evaluation of the Medway Valley Heritage Forest Environmentally Significant Area

Tonight you will have the opportunity to learn and comment on:

- **Purpose of the Inventory & Evaluation**
- **Approach and Methodology**
- **Field Work Completed to Date**
- **Summary of Results to Date**



OBJECTIVES

The main objectives of the Natural Heritage Inventory and Evaluation are to:

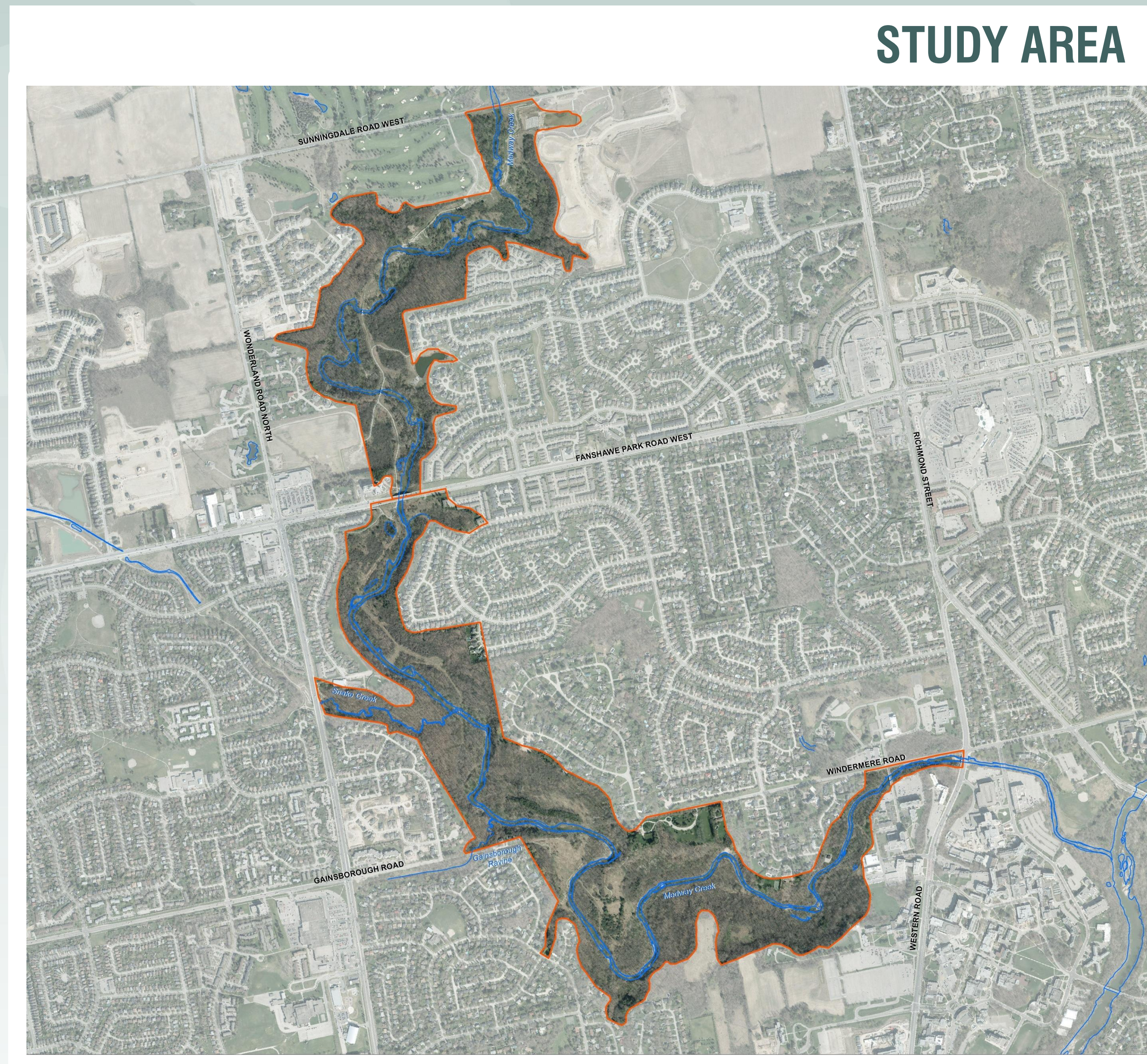
- Complete a detailed multi-season inventory and analysis on accessible lands in the MVHF South ESA
- Confirm and refine the ecological boundaries of the MVHF ESA.
- Apply the criteria for the evaluation of ESAs as per the City's Environmental Management Guideline to the MVHF ESA.
- Propose an environmental management strategy for the ESA.

*Completion of the above tasks is
scheduled for late fall 2013*



OUR STUDY AREA

This study is focused on updating information and completing evaluations within the MVHF ESA only.



- The MVHF ESA is located in north London
- Focus of the study is on the MVHF ESA located south of Fanshawe Park Road West
- Targeted studies undertaken north of Fanshawe Park Road West
- Study has occurred only on public lands



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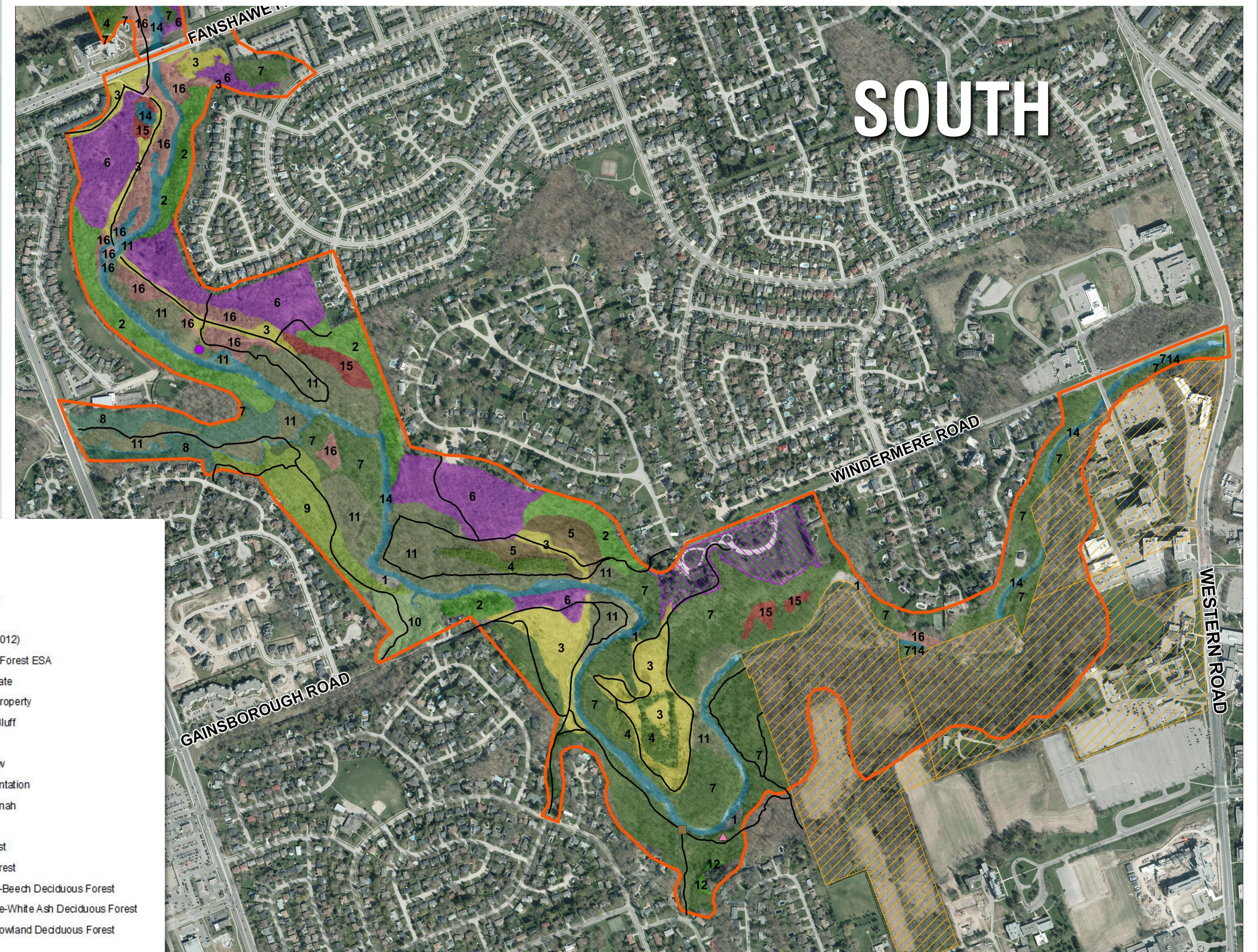
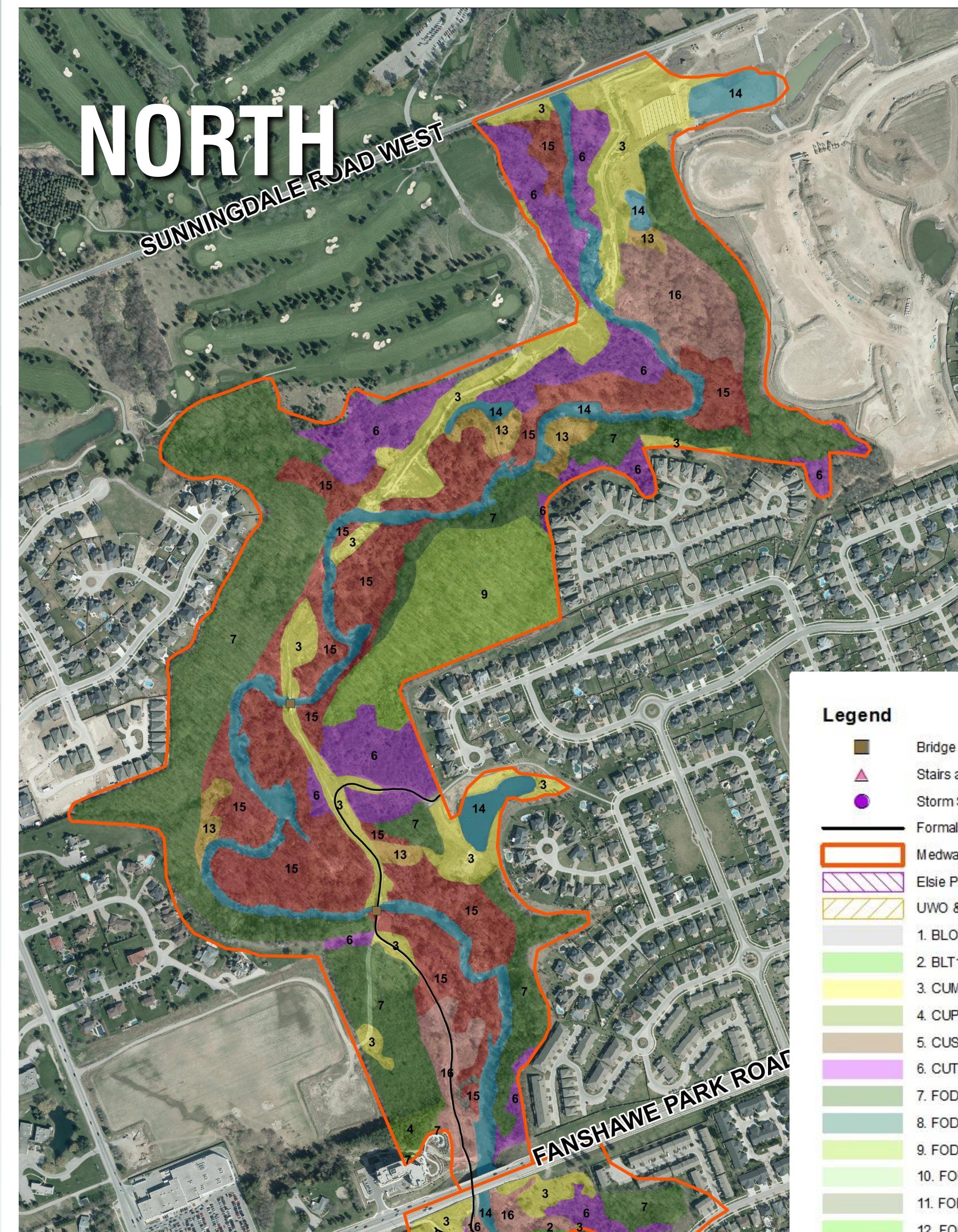


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METHODOLOGY

Tasks	April	May	June	July	August	September	October	November
Wildlife Habitat Survey - Area searches for features								
Amphibian Breeding Survey - Auditory surveys (Marsh Monitoring Protocol)								
Salamander Search - Area searches in Snake Valley Creek & Dead Horse Canyon								
Breeding Birds - Fixed-radius point counts & area searches (OBBA Protocol)								
Flora - Wandering transects								
Reptiles - Basking and nesting surveys								
Mammals - Incidental observations of mammals								
Butterflies, Dragonflies & Damselflies - Fixed-radius point counts & area searches								
Aquatic Habitat - Assessment mapping and characterization								
Physical Features - Area searches for unique physical features								
Existing Uses and Disturbances - Area searches for informal anthropogenic use and any disturbances								
Refinement of ESA Boundaries - Confirmation of the official MVHF ESA boundary based on ecological boundaries								
Environmental Management Strategy - Analysis of Management Zones, Restoration Overlay Zones, Naturalization Zones and Wildlife Habitat Zones								

ELC VALIDATION



Legend	
	Bridge
	Stairs and Lookout Point
	Storm Sewer Outlet
	Formal Trails (UTRCA, 2012)
	Medway Valley Heritage Forest ESA
	Elsie Perrin Williams Estate
	UWO & Huron College Property
	1. BLO1: Open Mineral Bluff
	2. BLT1: Treed Bluff
	3. CUM: Cultural Meadow
	4. CUP3: Coniferous Plantation
	5. CUS1: Cultural Savannah
	6. CUT: Cultural Thicket
	7. FOD: Deciduous Forest
	8. FOD: Sugar Maple Forest
	9. FOD5-2: Sugar Maple-Beech Deciduous Forest
	10. FOD5-8: Sugar Maple-White Ash Deciduous Forest
	11. FOD7: Fresh-Moist Lowland Deciduous Forest
	12. FOM: Mixed Forest
	13. MAM: Meadow Marsh
	14. OAO: Open Aquatic
	15. SWD: Swamp
	16. SWT: Swamp Thicket



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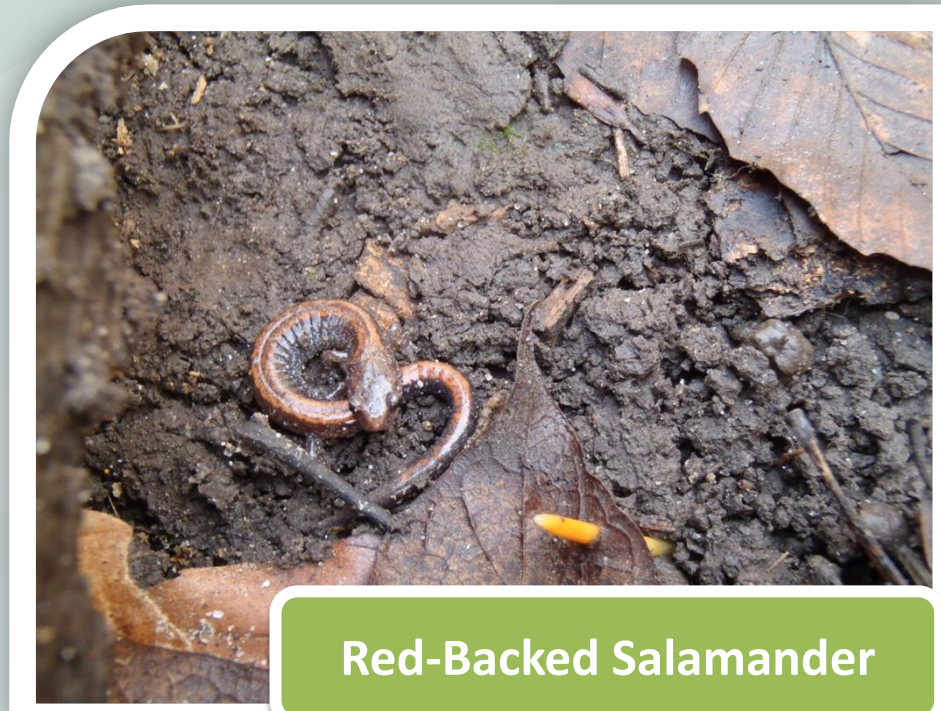


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AMPHIBIANS



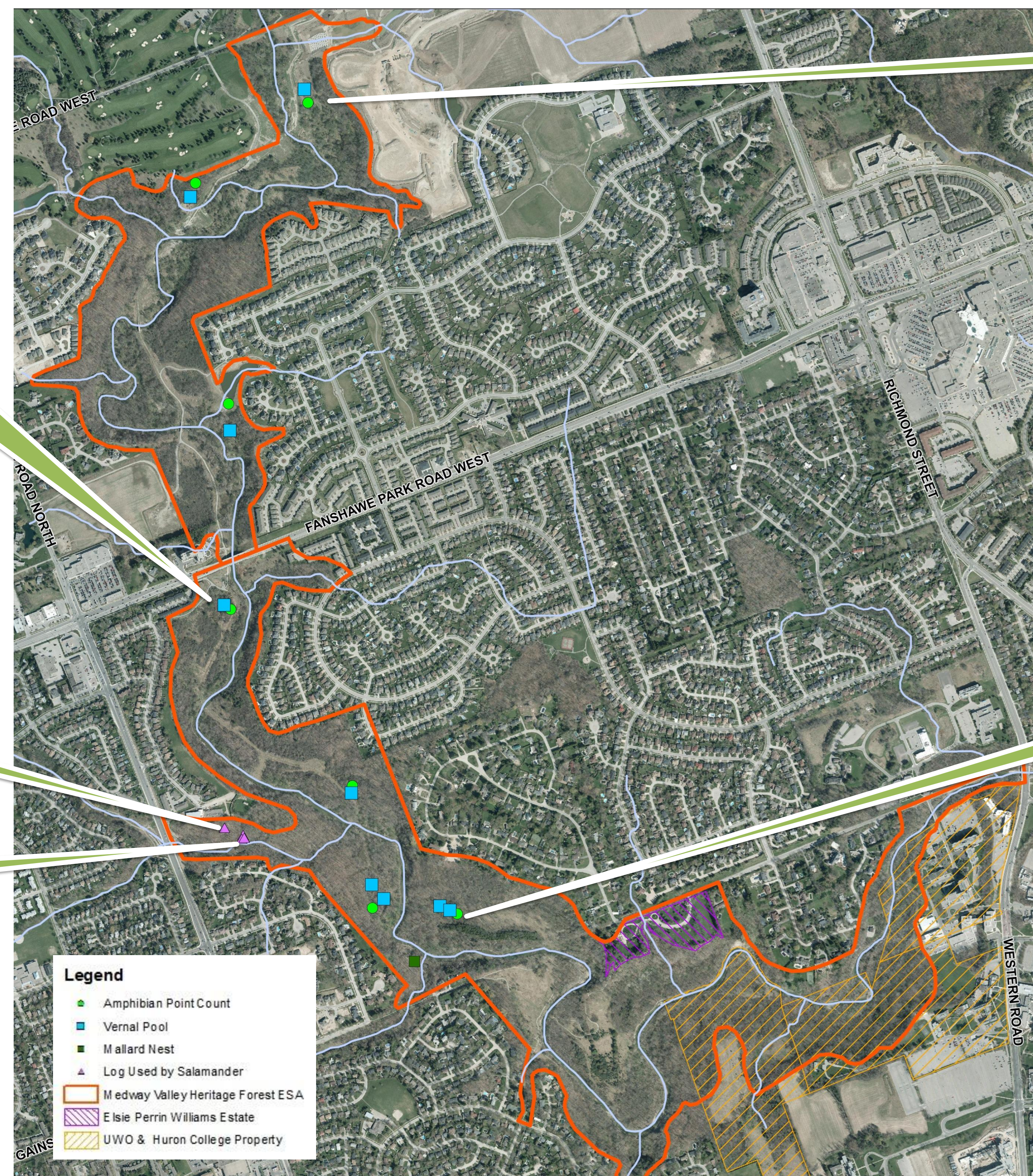
Swamp Community



Red-Backed Salamander



Red-Backed Salamander

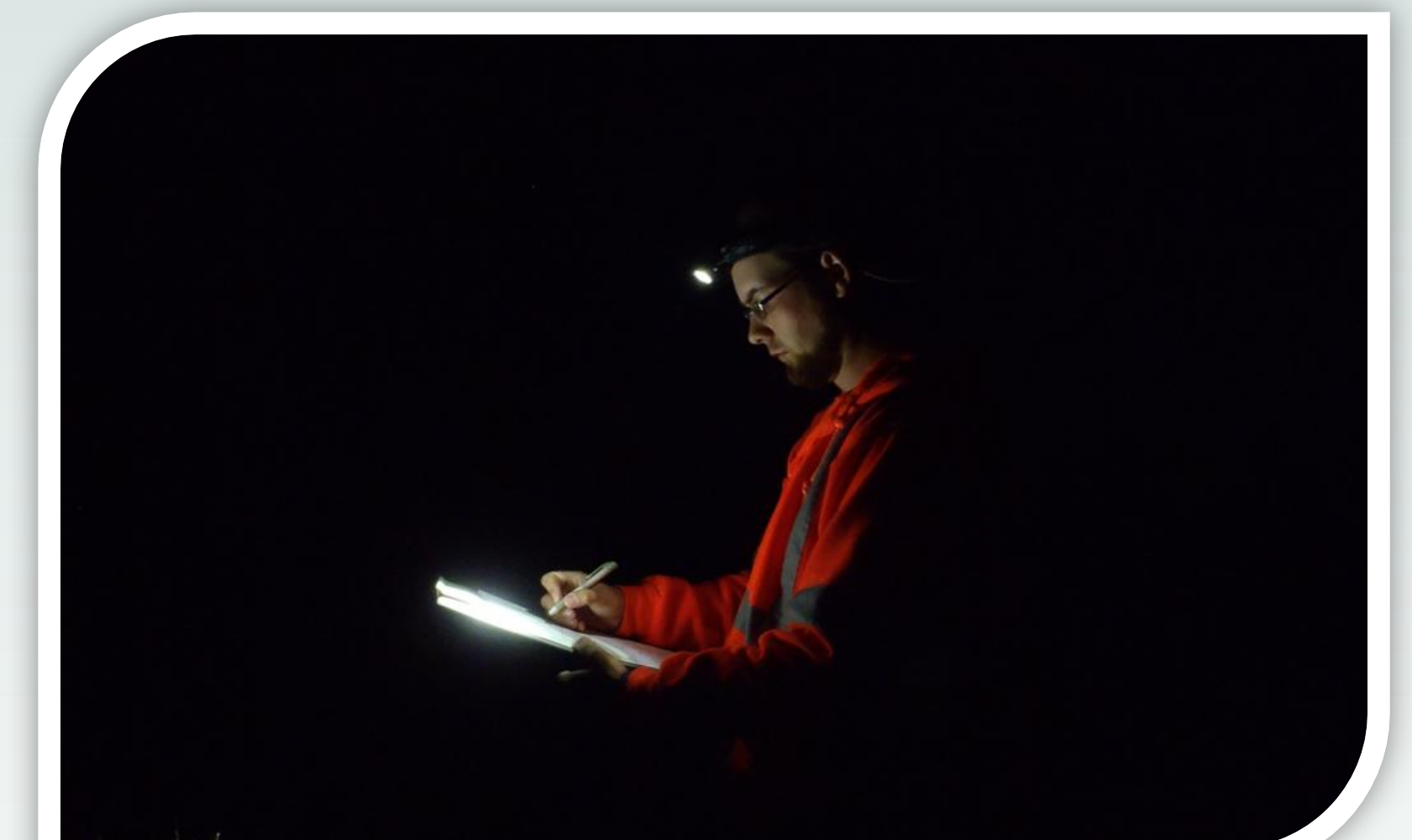


Tadpoles in Pond



Swamp Community

- Five frog and toad species were calling during auditory surveys:
 - Green Frog
 - Gray Tree Frog
 - Spring Peeper
 - American Toad
 - Bullfrog
- Red-backed Salamander remains present in Snake Creek Valley

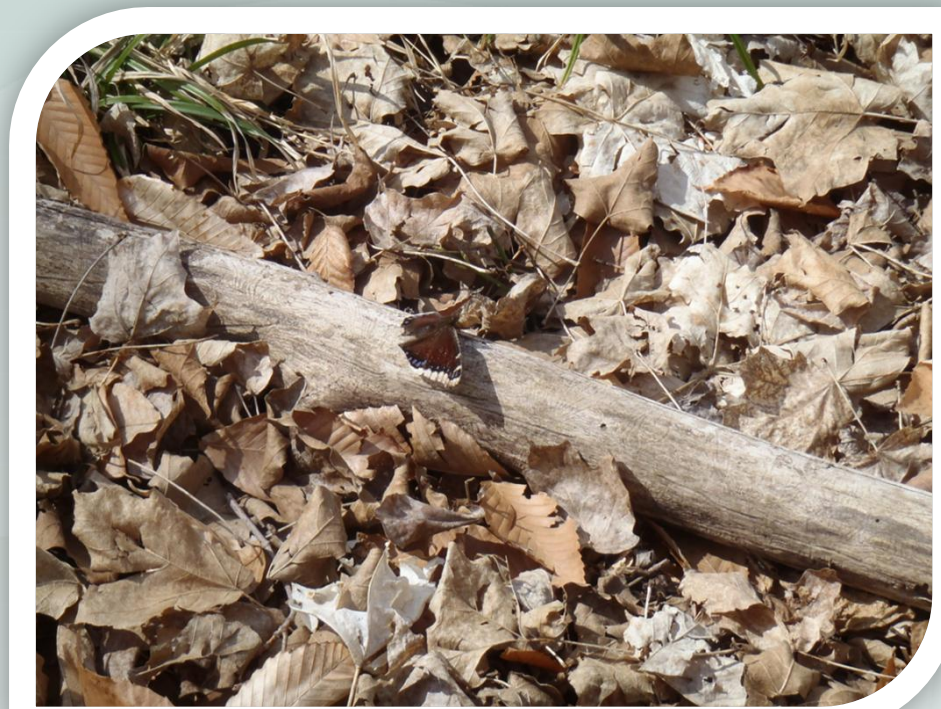


Dillon Staff Completing Auditory Surveys for Amphibians

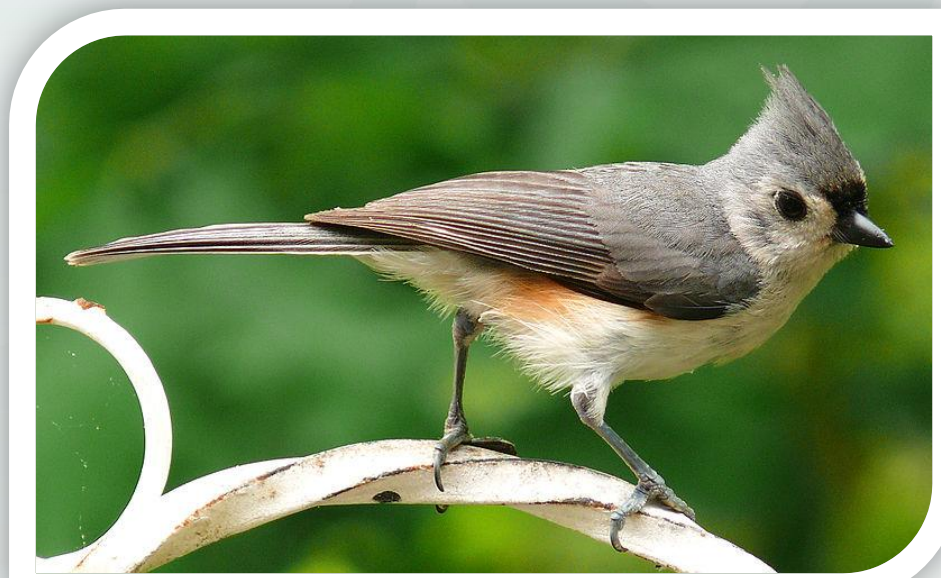
BREEDING BIRDS, BUTTERFLIES, DRAGONFLIES & DAMSELFLIES



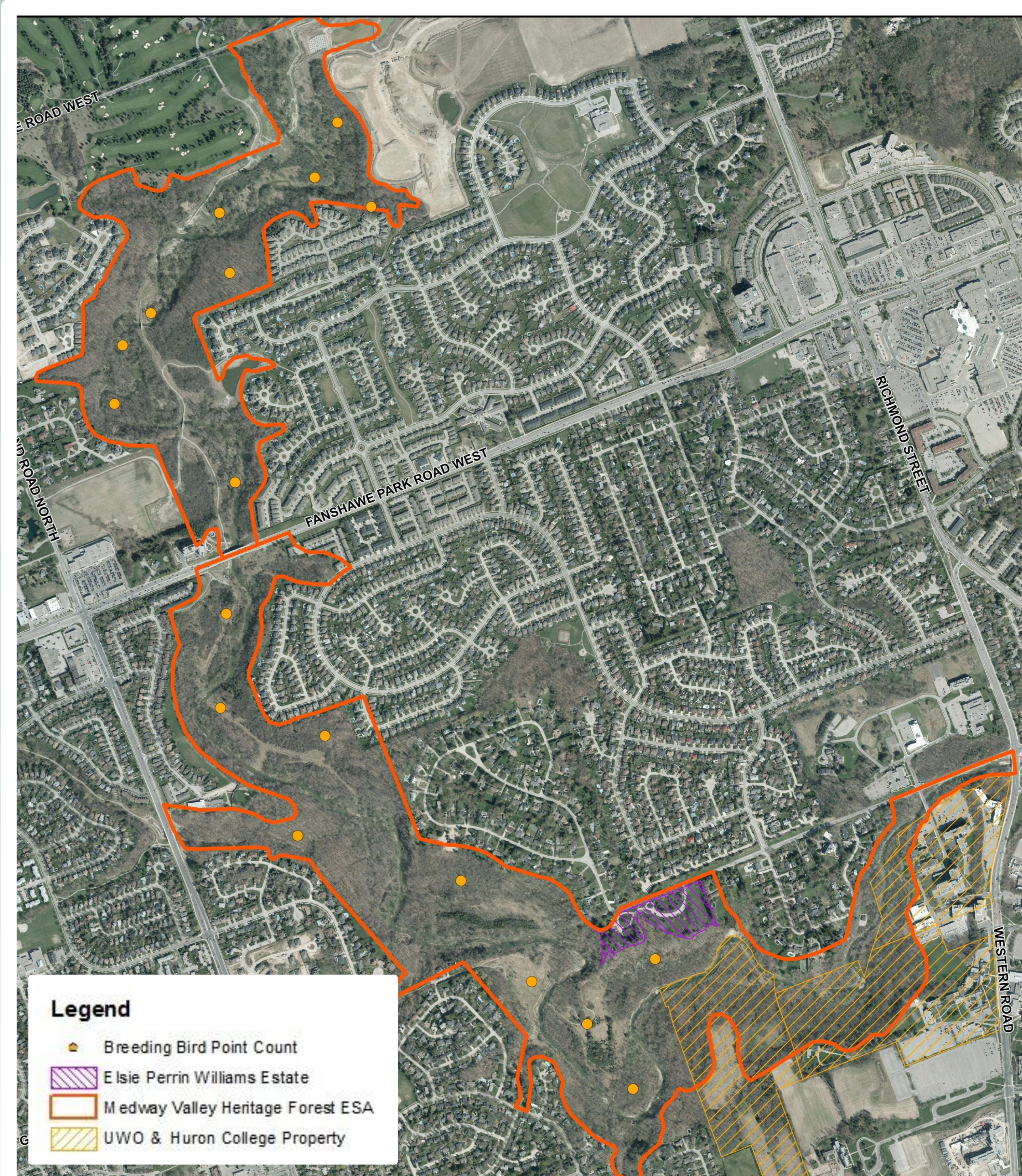
MONARCH



MOURNING CLOAK



TUFTED TITMOUSE



BARN SWALLOW



CHIMNEY SWIFT

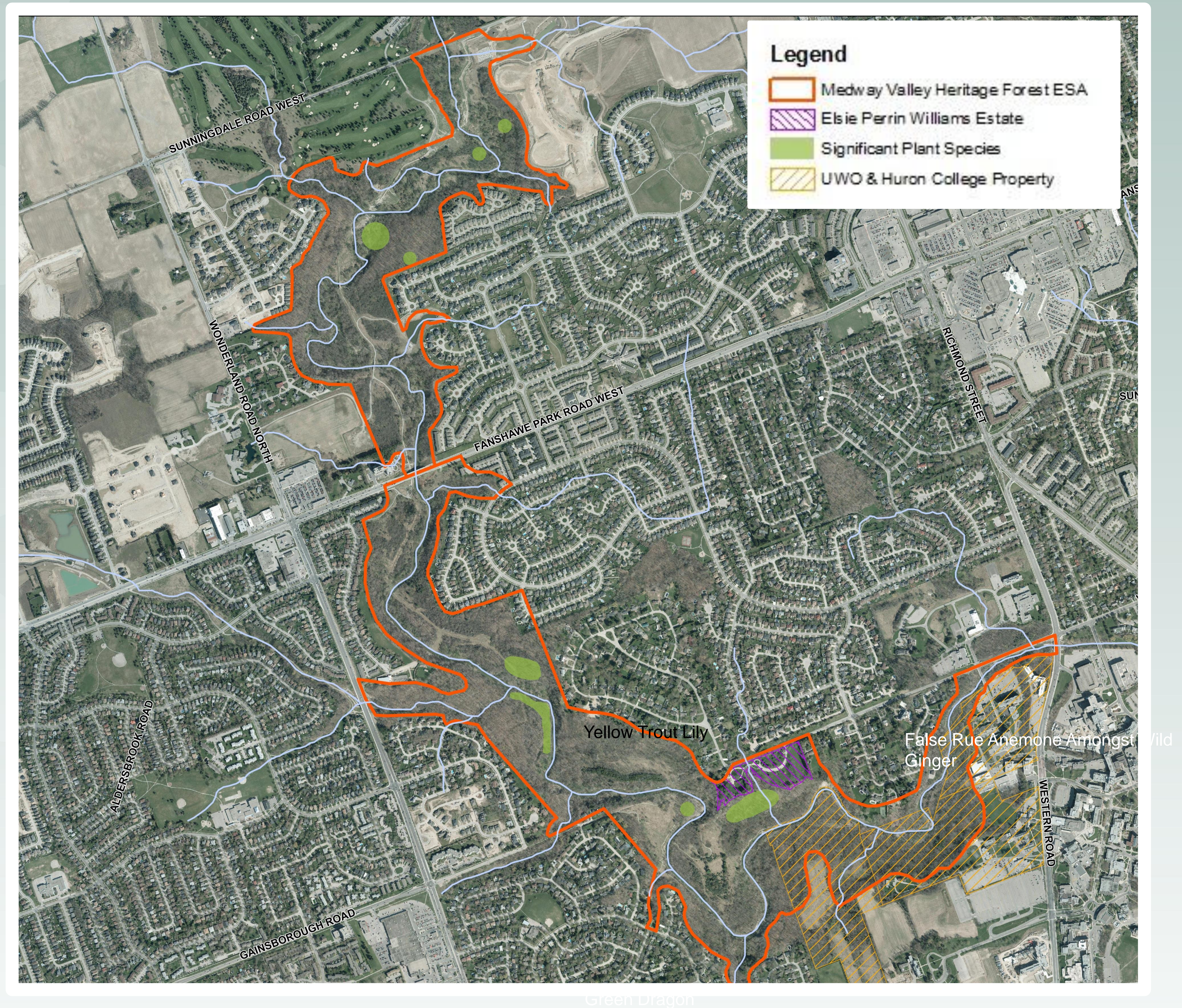


GIANT SWALLOWTAIL

- 58 bird species were observed throughout the ESA
- One bird species observed was new to the ESA inventory (Tufted Titmouse)
- Notable bird species observed foraging include:
 - Chimney Swift
 - Barn Swallow
- 25 Butterfly species were observed within the ESA
 - 13 species are new to the ESA inventory
 - Notable species include Giant Swallowtail and Monarch
- 23 Dragonfly and Damselfly species were observed within the ESA.
 - 19 species are new to the ESA inventory

FLORA

- 494 species were identified within the ESA during past studies
- 96 new species have been added in 2013
 - 47% of which are invasive
- One more survey is scheduled for the fall
- Species at Risk protected under the *Endangered Species Act, 2007* include:
 - False-Rue Anemone
 - Butternut
 - Kentucky Coffee Tree
- Rare species with less than 100 occurrences in Ontario include:
 - American Gromwell
 - Cream Violet
 - Green Dragon
- Rare species identified for the first time in 2013 in the ESA include:
 - Harbinger-of-Spring
 - White-haired Panic Grass
- Large concentrations of the above listed plants are shown in the figure.



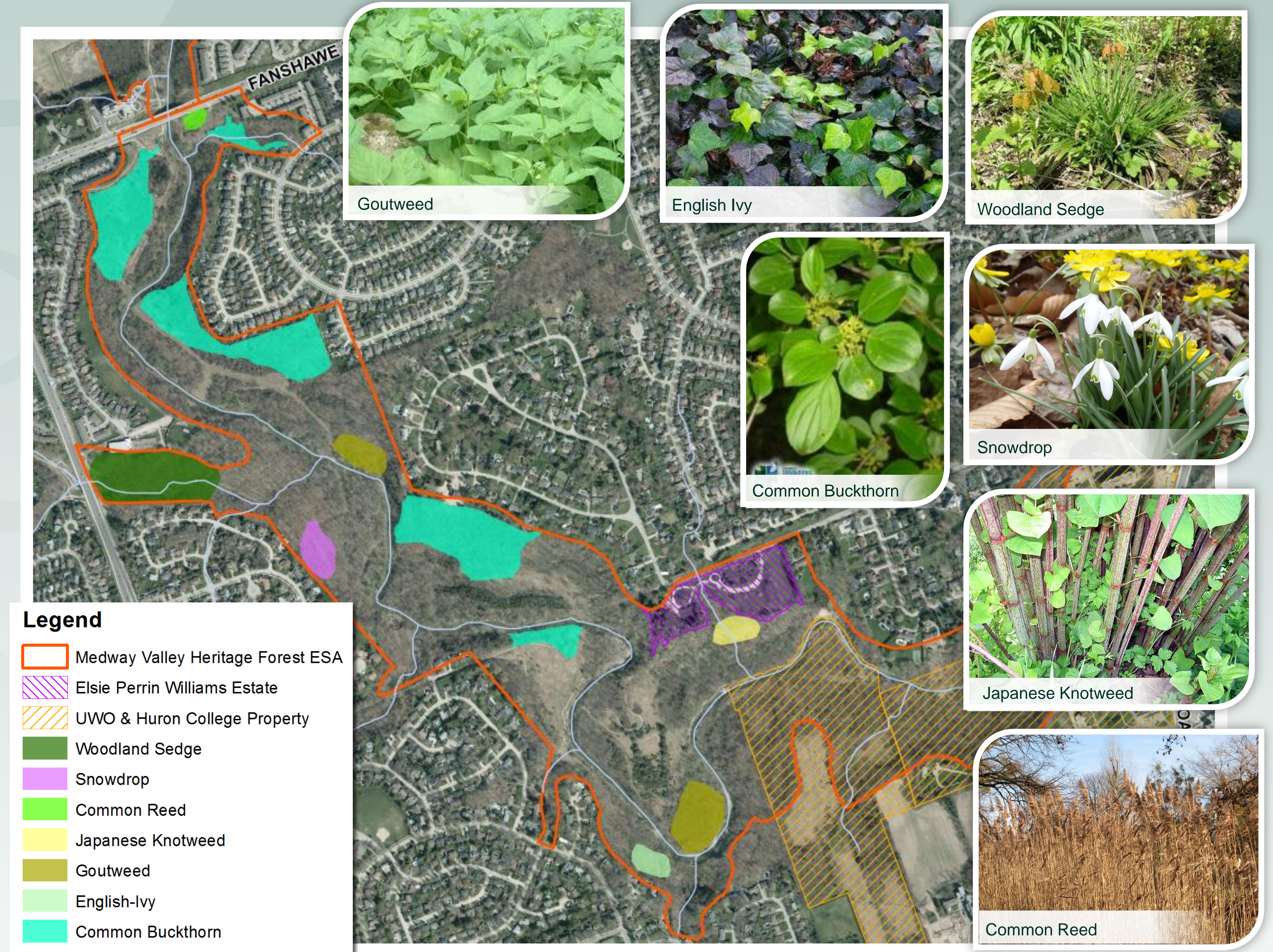
INVASIVE FLORA

Large patches of invasive flora were identified within the ESA:

- Japanese Knotweed
- English Ivy
- Common Reed
- Snowdrop
- Woodland Sedge
- Goutweed

Other invasive species present include:

- Lily-of-the-Valley
- Periwinkle
- Common Privet
- Japanese Barberry
- Oriental Bittersweet
- Garlic Mustard



REPTILES & MAMMALS

Reptiles and mammals observed within the ESA during surveys include:

- Eastern Garter Snake
- Brown Snake
- Painted Turtle
- Common Snapping Turtle
- Eastern Chipmunk
- Grey Squirrel
- White-tailed Deer
- Eastern Cottontail
- Red Fox
- Beaver
- Muskrat
- Eastern Coyote
- Raccoon



Common Snapping Turtle



Eastern Garter Snake



Juvenile Raccoon



Common Snapping Turtle

NEXT STEPS

Following this public meeting, the study team will review your comments and address questions or concerns that were raised. Please complete a comment form tonight, or respond by mail or email before **August 25th, 2013.**



Information will be collected in accordance with the *Freedom of Information* and *Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.