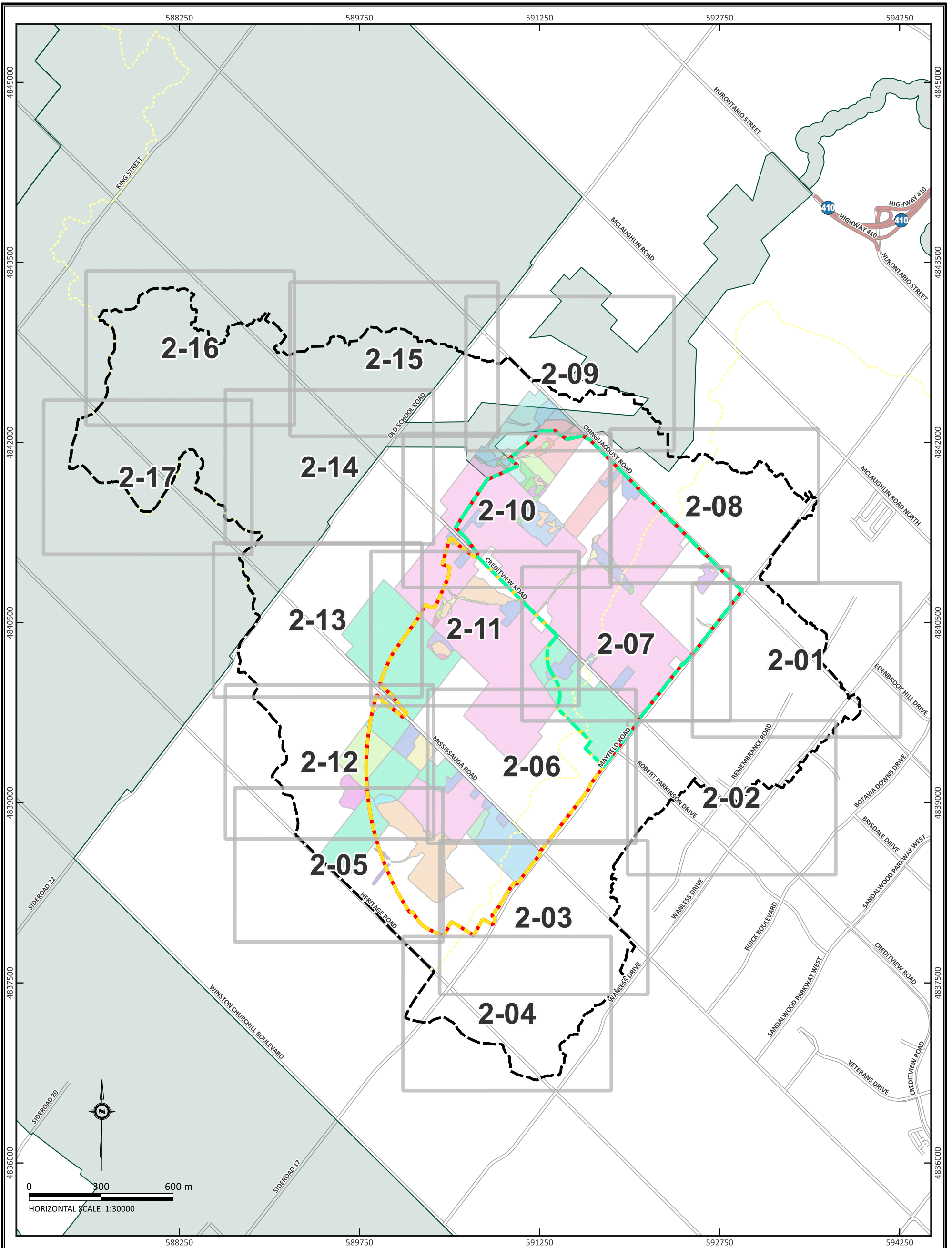


Appendix O
Environmental Features Mapping
and Photographs

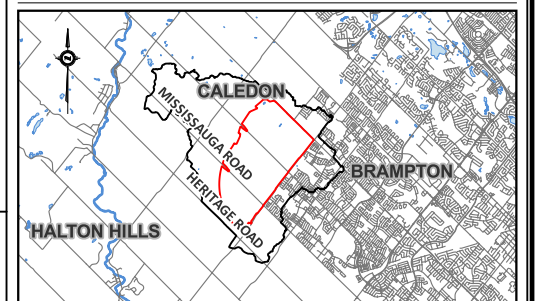


- LEGEND**
- Phase I Lands
 - Phase II Lands
 - Primary Study Area
 - Secondary Study Area
 - Greenbelt Plan Area (LIO, 2024)
 - Conservation Authority Jurisdiction Boundary

ENVIRONMENTAL FEATURES - KEY MAP

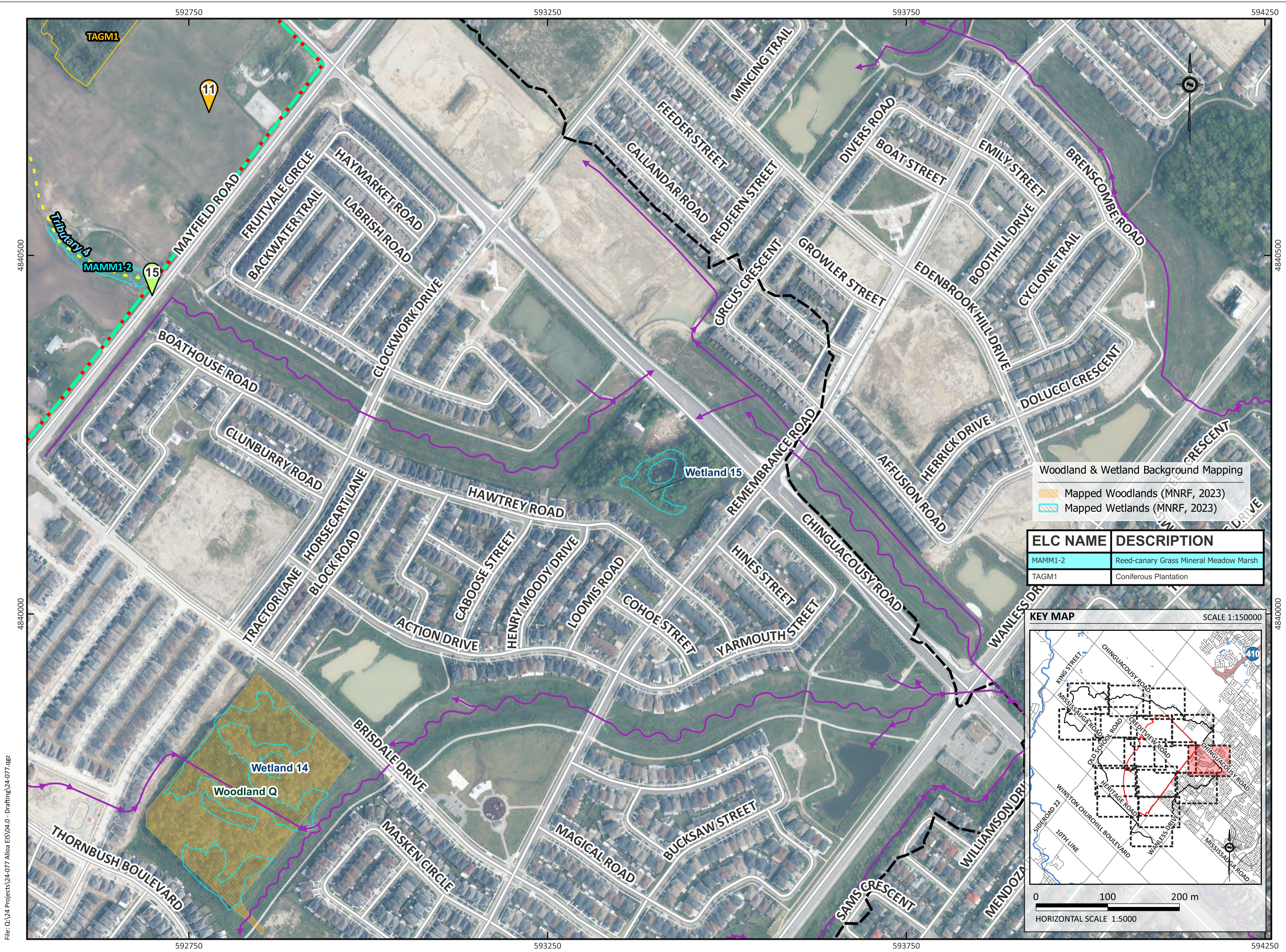
SECONDARY STUDY AREA
CALEDON, ON

REGIONAL MAP SCALE 1:250000



DATE ISSUED: JUNE 2024	Figure No.:
CREATED BY: A.L.	2
PROJECT NO.: 24-077b	
BASE MAP: ESRI	





LEGEND

- Primary Study Area
- Secondary Study Area
- Phase I Lands
- Conservation Authority Jurisdiction Boundary
- Upland ELC Communities
- Wetland ELC Communities

Fish Habitat

- Ephemeral Drainage Feature / Indirect Fish Habitat
- Drainage Feature (Not Assessed)

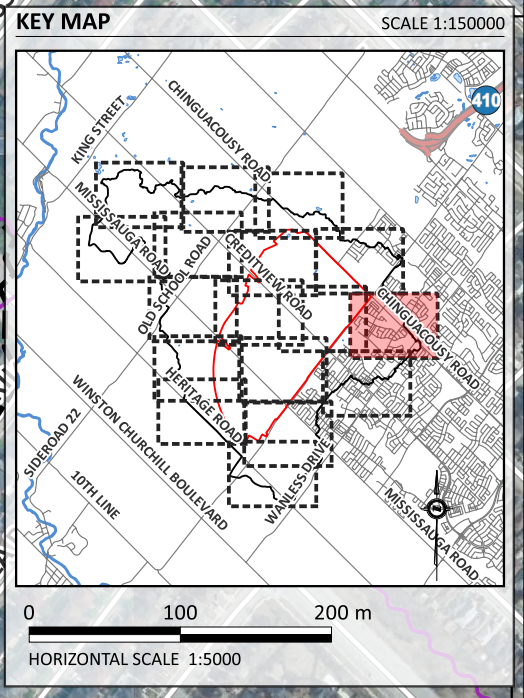
Survey Stations

- Amphibian Survey Station
- Dawn Breeding Bird Survey Station

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)

ELC NAME	DESCRIPTION
MAMM1-2	Reed-canary Grass Mineral Meadow Marsh
TAGM1	Coniferous Plantation



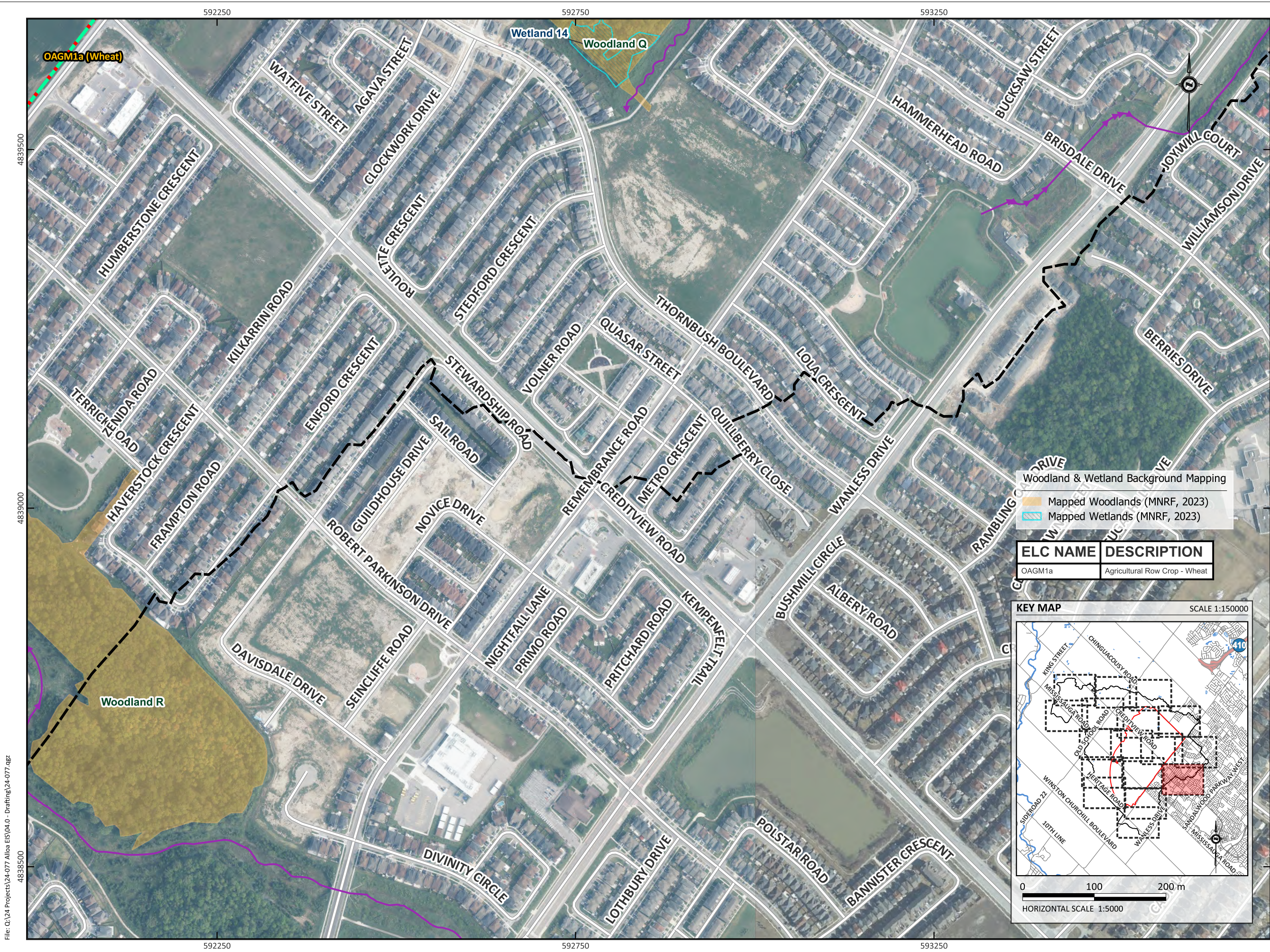
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-01
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

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LEGEND

- Primary Study Area
- Secondary Study Area
- Phase I Lands
- Conservation Authority Jurisdiction Boundary
- Upland ELC Communities

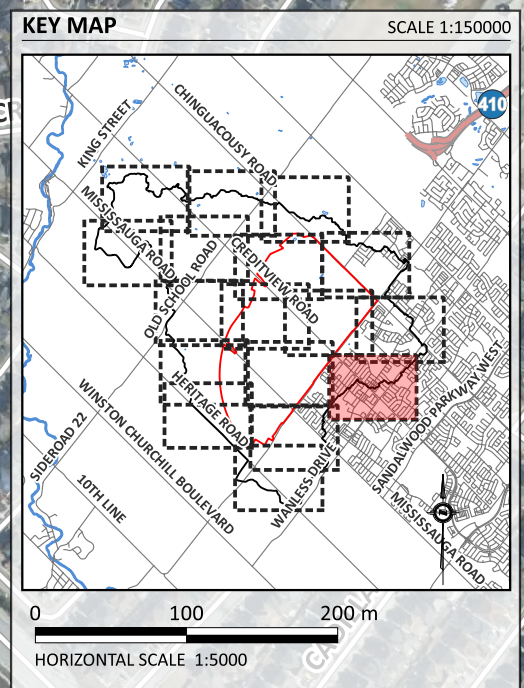
Fish Habitat

- Drainage Feature (Not Assessed)

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)

ELC NAME	DESCRIPTION
OAGM1a	Agricultural Row Crop - Wheat



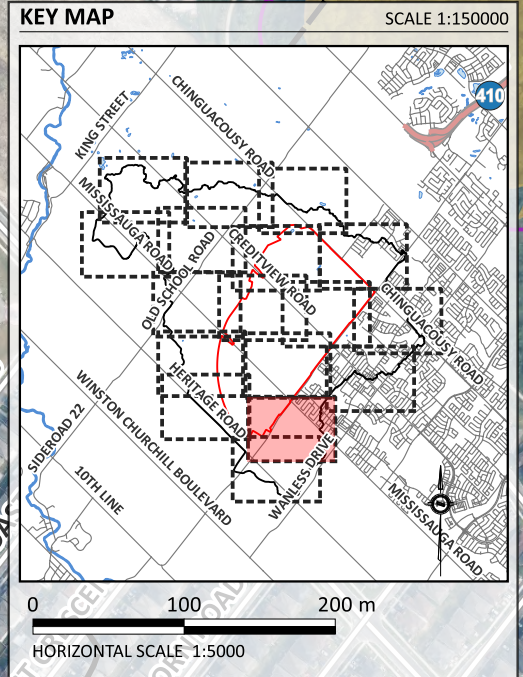
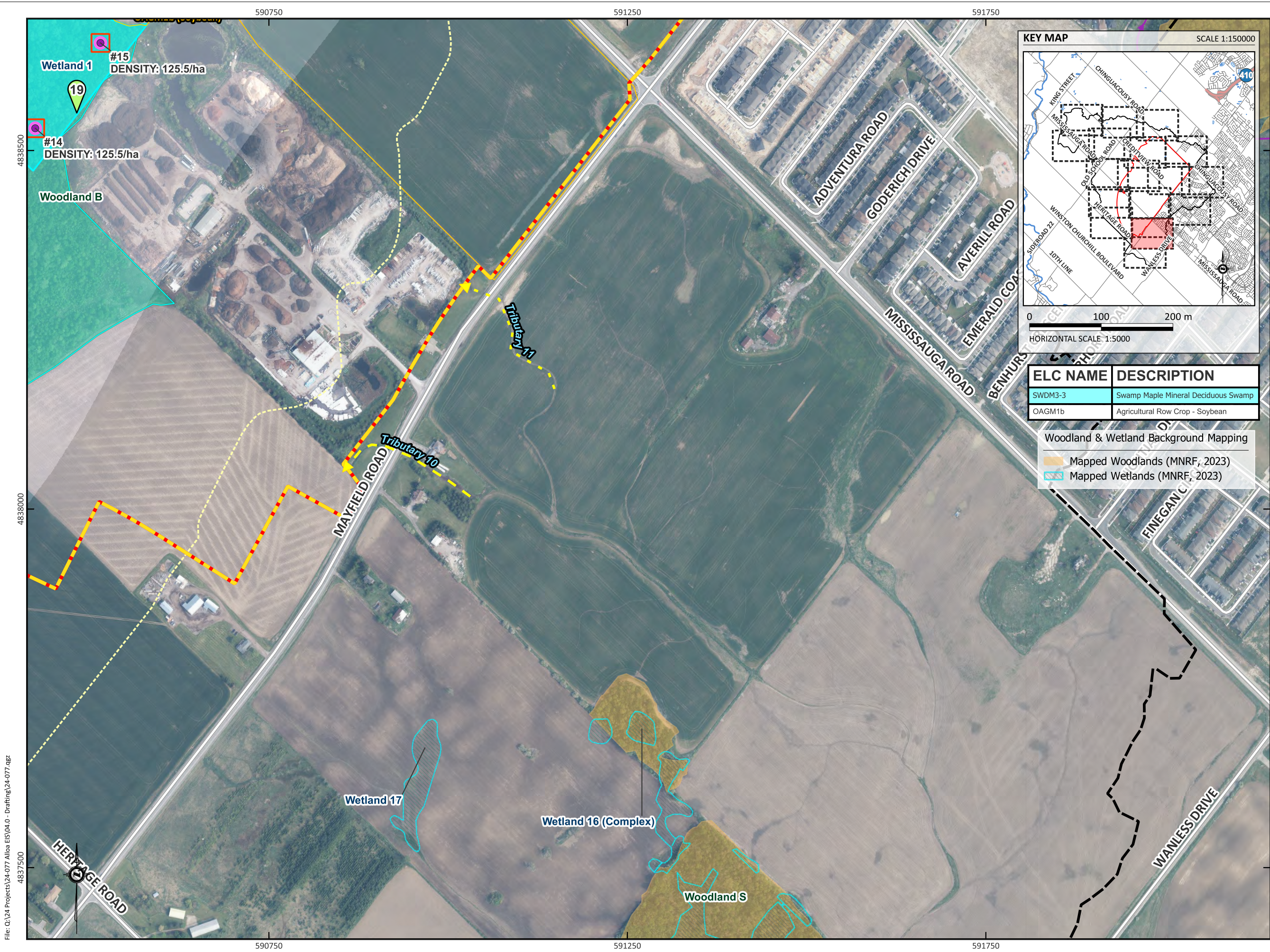
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-02
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

File: Q:\24 Projects\24-077 Allea EIS\04.0 - Drafting\24-077.dwg



ELC NAME	DESCRIPTION
SWDM3-3	Swamp Maple Mineral Deciduous Swamp
OAGM1b	Agricultural Row Crop - Soybean

Woodland & Wetland Background Mapping

	Mapped Woodlands (MNRF, 2023)
	Mapped Wetlands (MNRF, 2023)

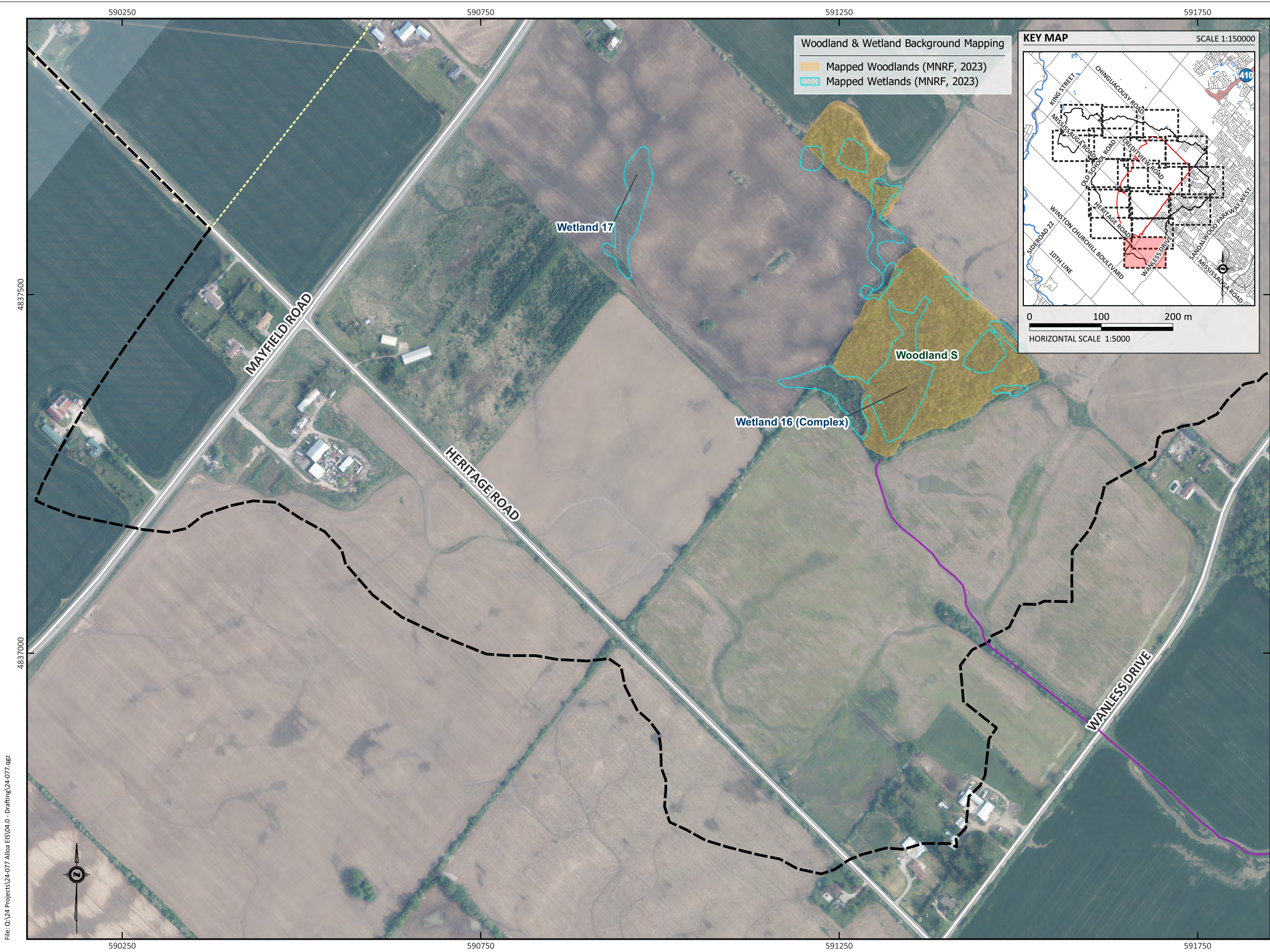
- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase II Lands
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
 - Staked & Surveyed Woodland Edge (Town & Beacon, Nov. 2023)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
 - Wetland ELC Communities
- Fish Habitat**
- Intermittent Drainage Feature / Indirect Fish Habitat
 - Ephemeral Drainage Feature / Indirect Fish Habitat
 - Drainage Feature (Not Assessed)
- Overall Bat Snag Density and Plot #
- (# of snags per hectare)
- High (51+)

ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

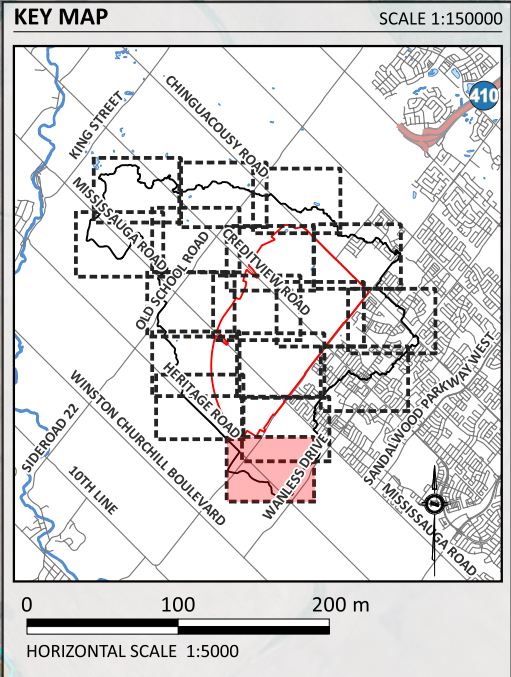
SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-03
PROJECT NO.: 24-077b	
BASE MAP: MNRF	



Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)



- LEGEND**
- Secondary Study Area
 - Conservation Authority Jurisdiction Boundary
- Fish Habitat**
- Drainage Feature (Not Assessed)

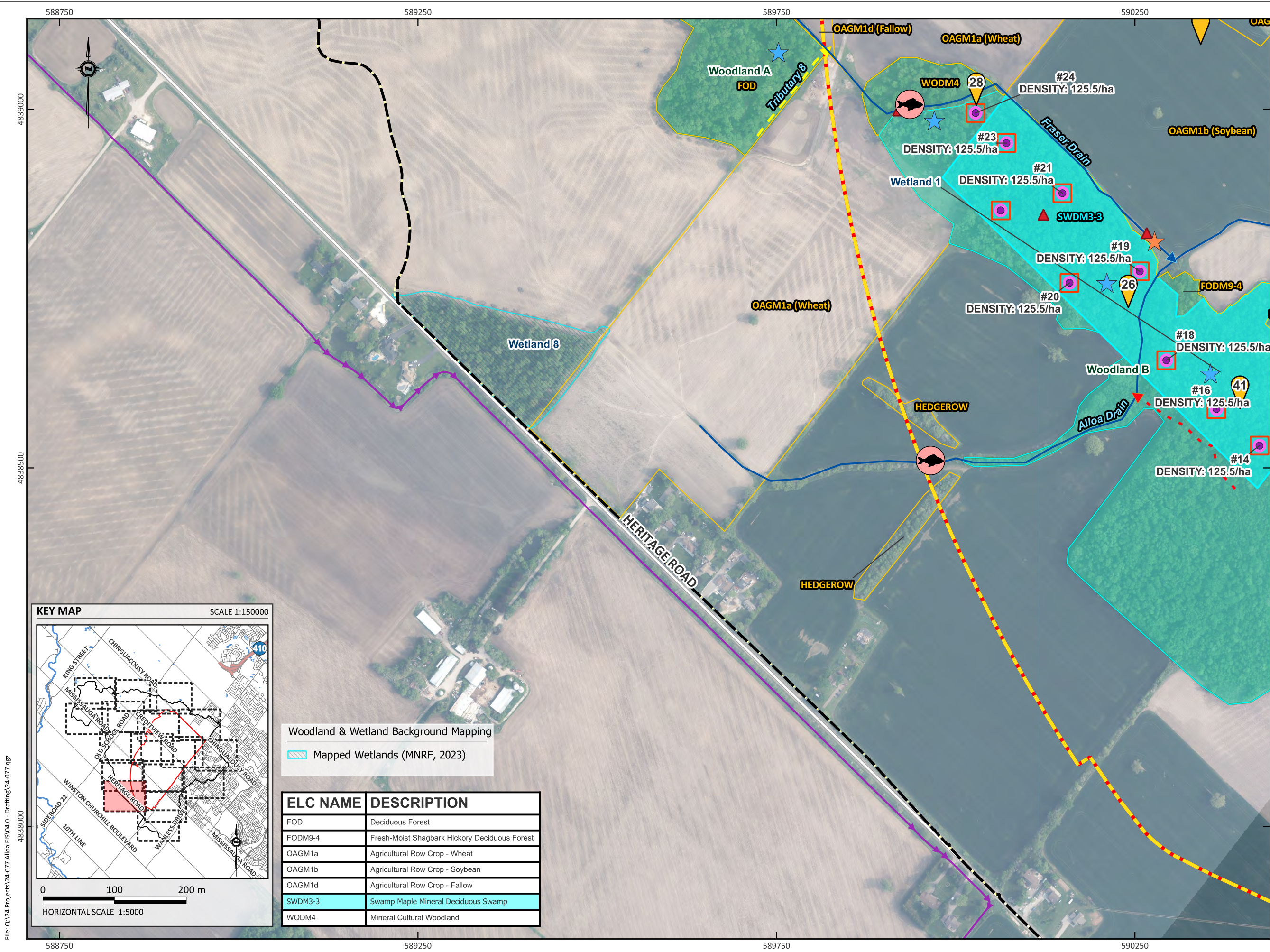
AZIMUTH ENVIRONMENTAL CONSULTING, INC.
ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

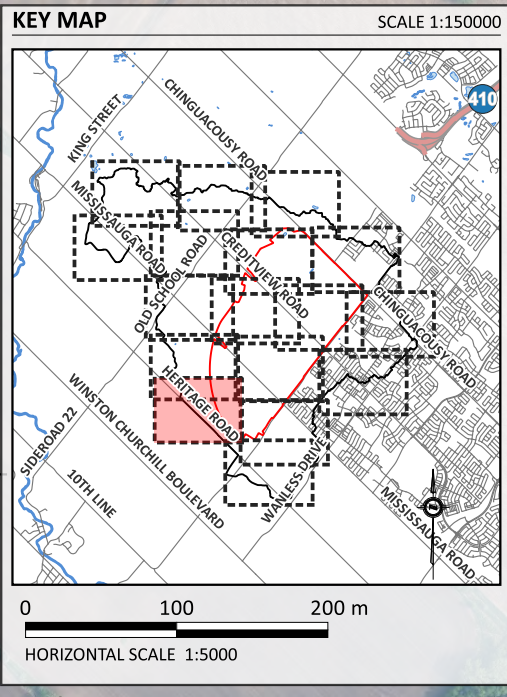
SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-04
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

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- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase II Lands
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
 - Staked & Surveyed Woodland Edge (Town & Beacon, Nov. 2023)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
 - Wetland ELC Communities
 - Fish Habitat
 - Permanent Watercourse / Direct Fish Habitat
 - Intermittent Drainage Feature / Indirect Fish Habitat
 - - - Ephemeral Drainage Feature / Not Fish Habitat
 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- 📍 Dawn Breeding Bird Survey Station
 - ▲ Bat Acoustic Monitors
- Preliminary SAR Observations**
- ★ Eastern Wood-pewee
- SWH Observations**
- ★ Chimney Crayfish
- Overall Bat Snag Density and Plot #**
- (# of snags per hectare)
- High (51+)



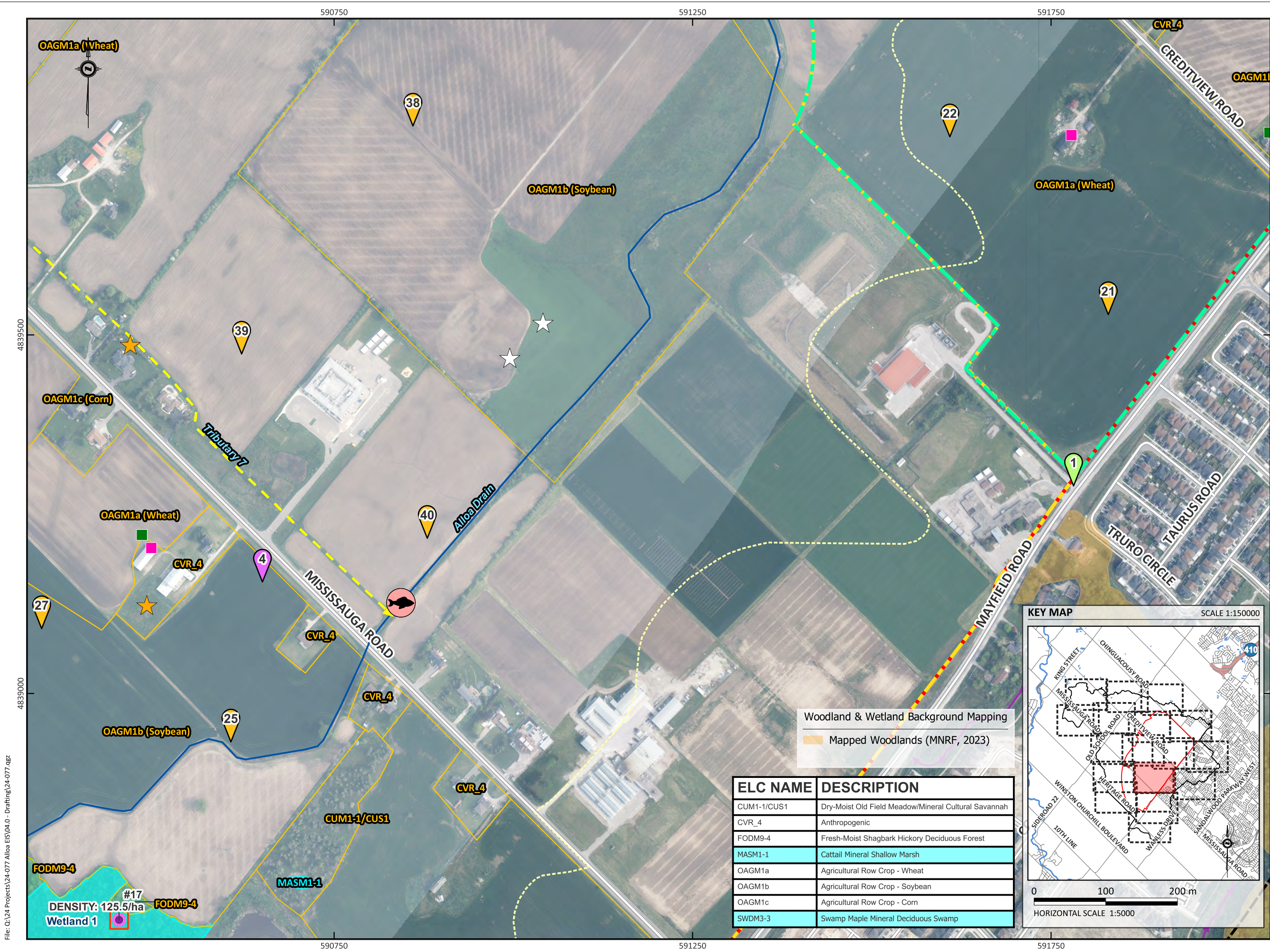
ELC NAME	DESCRIPTION
FOD	Deciduous Forest
FODM9-4	Fresh-Moist Shagbark Hickory Deciduous Forest
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean
OAGM1d	Agricultural Row Crop - Fallow
SWDM3-3	Swamp Maple Mineral Deciduous Swamp
WODM4	Mineral Cultural Woodland

ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-05
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

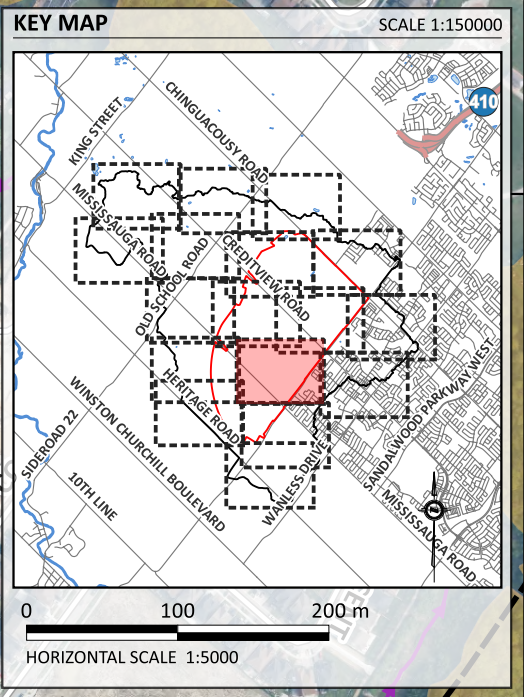
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- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase I Lands
 - Phase II Lands
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
 - Staked & Surveyed Woodland Edge (Town & Beacon, Nov. 2023)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
 - Wetland ELC Communities
- Fish Habitat**
- Permanent Watercourse / Direct Fish Habitat
 - Intermittent Drainage Feature / Indirect Fish Habitat
 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- Amphibian Survey Station
 - Dawn Breeding Bird Survey Station
 - Nocturnal Bird Survey Station
- Preliminary SAR Observations**
- Bobolink
 - Barn Swallow
- SAR Potential Habitat**
- SAR Bat Exit Survey
 - Chimney Swift
- Overall Bat Snag Density and Plot #**
- (# of snags per hectare)
- High (51+)

Woodland & Wetland Background Mapping
 Mapped Woodlands (MNR, 2023)

ELC NAME	DESCRIPTION
CUM1-1/CUS1	Dry-Moist Old Field Meadow/Mineral Cultural Savannah
CVR_4	Anthropogenic
FODM9-4	Fresh-Moist Shagbark Hickory Deciduous Forest
MASM1-1	Cattail Mineral Shallow Marsh
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean
OAGM1c	Agricultural Row Crop - Corn
SWDM3-3	Swamp Maple Mineral Deciduous Swamp



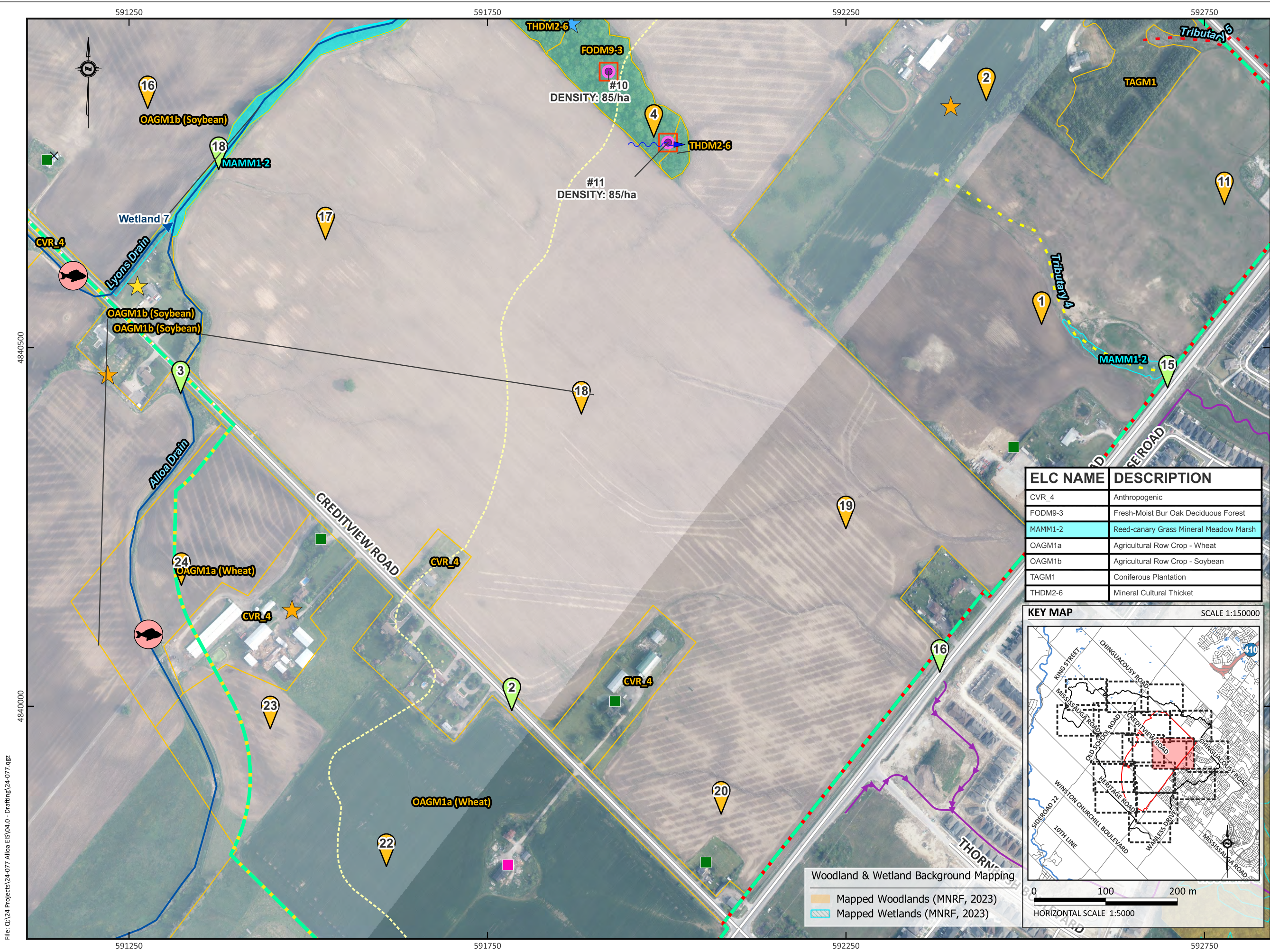
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
 CALEDON, ON

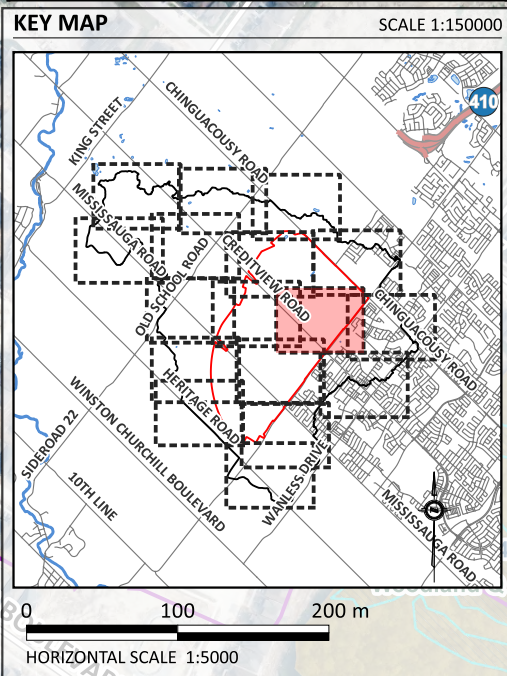
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CREATED BY: A.L.	2-06
PROJECT NO.: 24-077b	
BASE MAP: MNR	

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- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase I Lands
 - Phase II Lands
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
 - Staked & Surveyed Woodland Edge (Town & Beacon, Nov. 2023)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
 - Wetland ELC Communities
- Fish Habitat**
- Permanent Watercourse / Direct Fish Habitat
 - Ephemeral Drainage Feature / Indirect Fish Habitat
 - Ephemeral Drainage Feature / Not Fish Habitat
 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- Amphibian Survey Station
 - Dawn Breeding Bird Survey Station
- Preliminary SAR Observations**
- ★ Eastern Meadowlark
 - ★ Eastern Wood-pewee
 - ★ Barn Swallow
- SAR Potential Habitat**
- SAR Bat Exit Survey
 - Chimney Swift
 - ~ Seep Location
- Overall Bat Snag Density and Plot #**
- (# of snags per hectare)
- High (51+)

ELC NAME	DESCRIPTION
CVR_4	Anthropogenic
FODM9-3	Fresh-Moist Bur Oak Deciduous Forest
MAMM1-2	Reed-canary Grass Mineral Meadow Marsh
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean
TAGM1	Coniferous Plantation
THDM2-6	Mineral Cultural Thicket



Woodland & Wetland Background Mapping

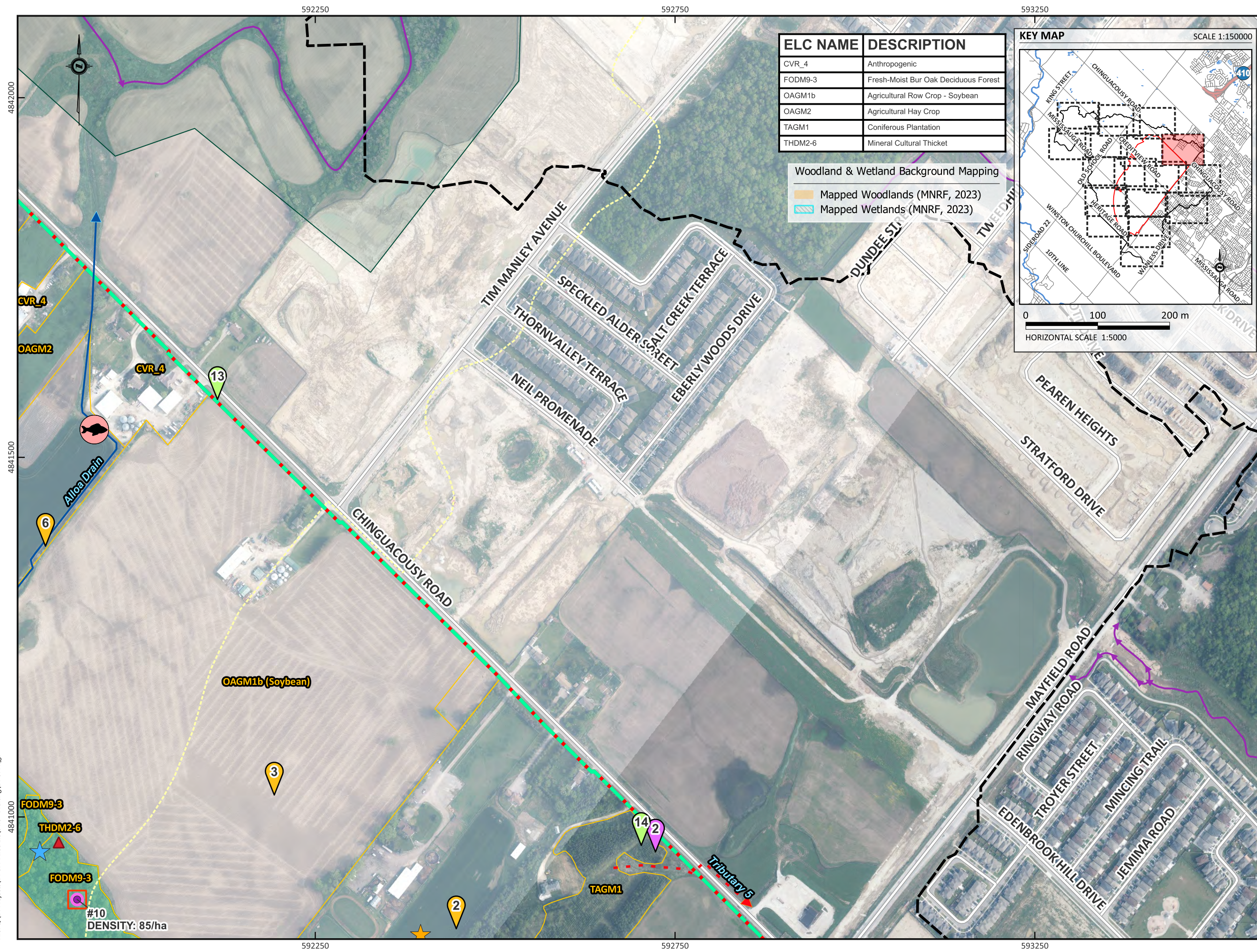
- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)

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ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

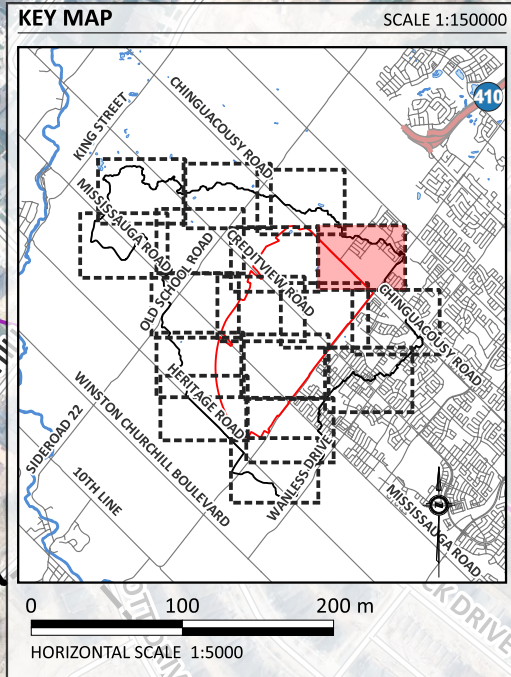
DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-07
PROJECT NO.: 24-077b	
BASE MAP: MNRF	



ELC NAME	DESCRIPTION
CVR_4	Anthropogenic
FODM9-3	Fresh-Moist Bur Oak Deciduous Forest
OAGM1b	Agricultural Row Crop - Soybean
OAGM2	Agricultural Hay Crop
TAGM1	Coniferous Plantation
THDM2-6	Mineral Cultural Thicket

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNR, 2023)
- Mapped Wetlands (MNR, 2023)



- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase I Lands
 - Greenbelt Plan Area (LIO, 2024)
 - Staked & Surveyed Woodland Edge (Town & Beacon, Nov. 2023)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
- Fish Habitat**
- Permanent Watercourse / Direct Fish Habitat
 - Ephemeral Drainage Feature / Not Fish Habitat
 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- Amphibian Survey Station
 - Dawn Breeding Bird Survey Station
 - Nocturnal Bird Survey Station
 - Bat Acoustic Monitors
- Preliminary SAR Observations**
- Eastern Wood-pewee
 - Barn Swallow
- Overall Bat Snag Density and Plot #**
- (# of snags per hectare)
- High (51+)

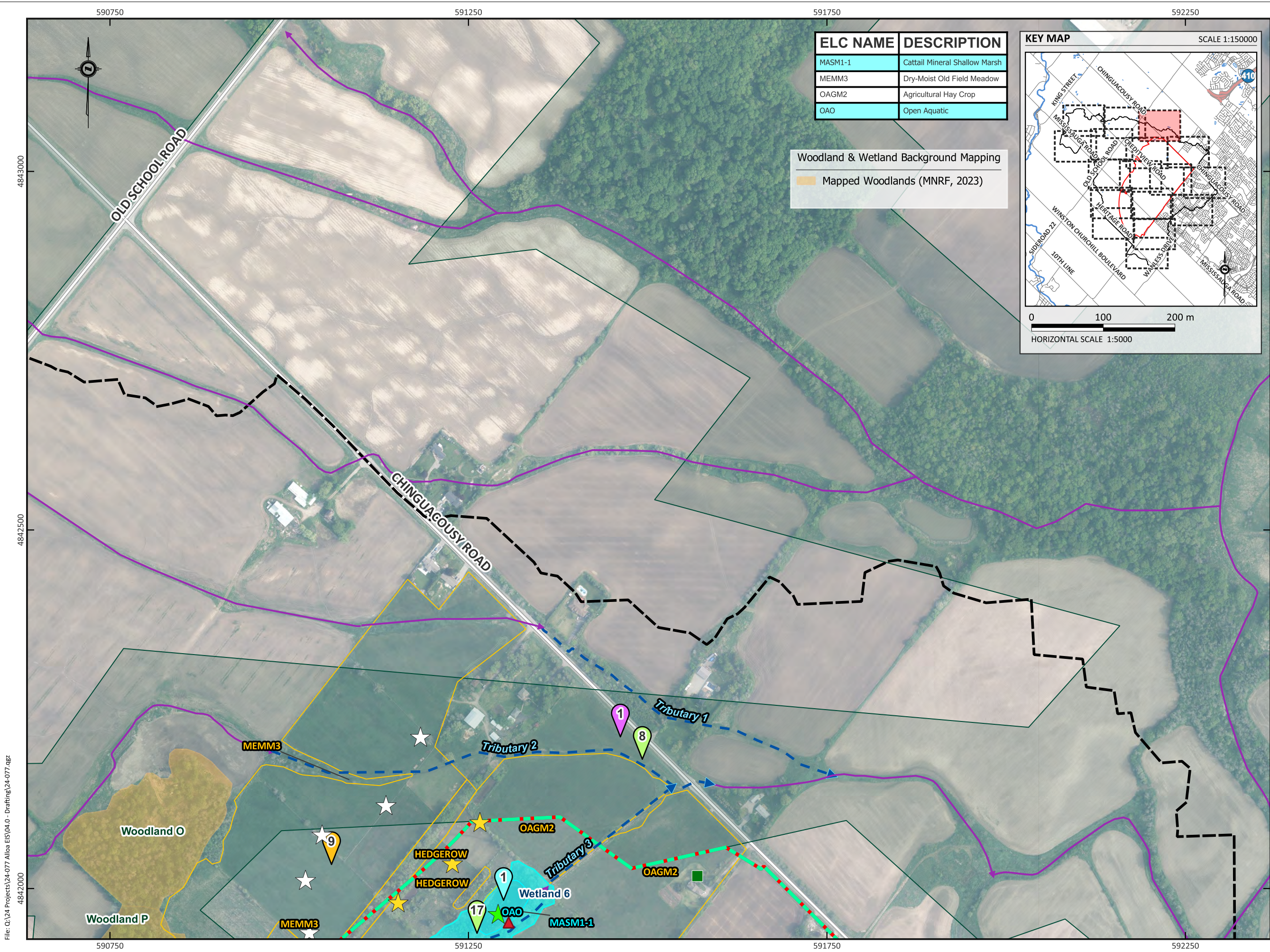
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-08
PROJECT NO.: 24-077b	
BASE MAP: MNR	

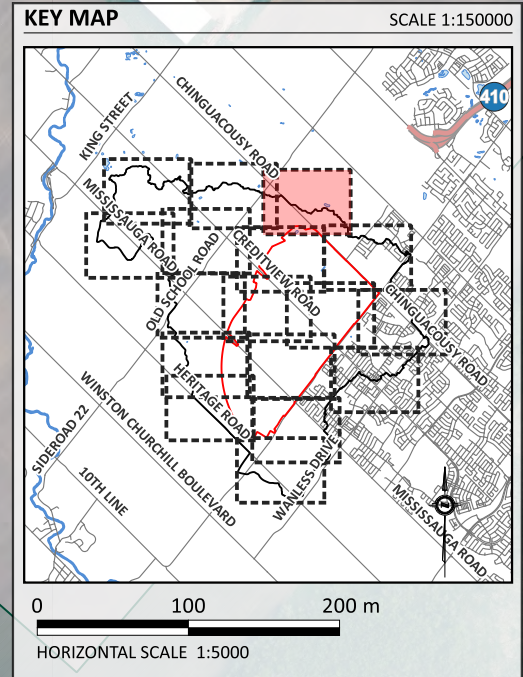
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ELC NAME	DESCRIPTION
MASM1-1	Cattail Mineral Shallow Marsh
MEMM3	Dry-Moist Old Field Meadow
OAGM2	Agricultural Hay Crop
OAO	Open Aquatic

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)



- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase I Lands
 - Greenbelt Plan Area (LIO, 2024)
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
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 - Wetland ELC Communities
 - Fish Habitat
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 - Drainage Feature (Not Assessed)
 - Survey Stations
 - Amphibian Survey Station
 - Basking Turtle Survey Station
 - Dawn Breeding Bird Survey Station
 - Nocturnal Bird Survey Station
 - Bat Acoustic Monitors
 - Preliminary SAR Observations
 - Bobolink
 - Eastern Meadowlark
 - SWH Observations
 - Midland Painted Turtle
 - SAR Potential Habitat
 - SAR Bat Exit Survey

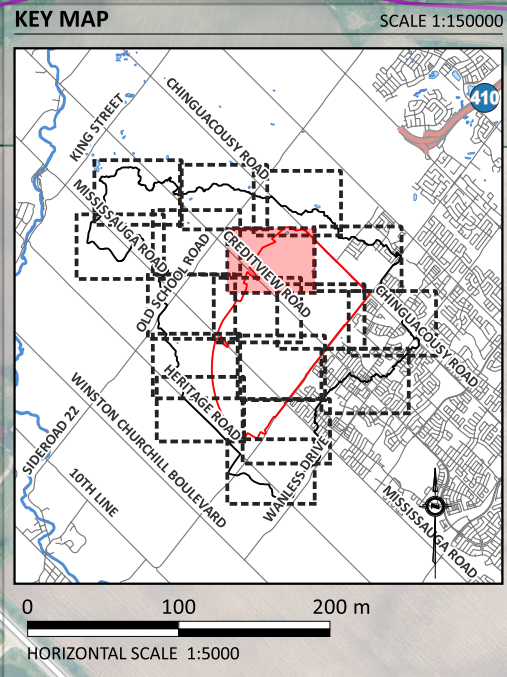
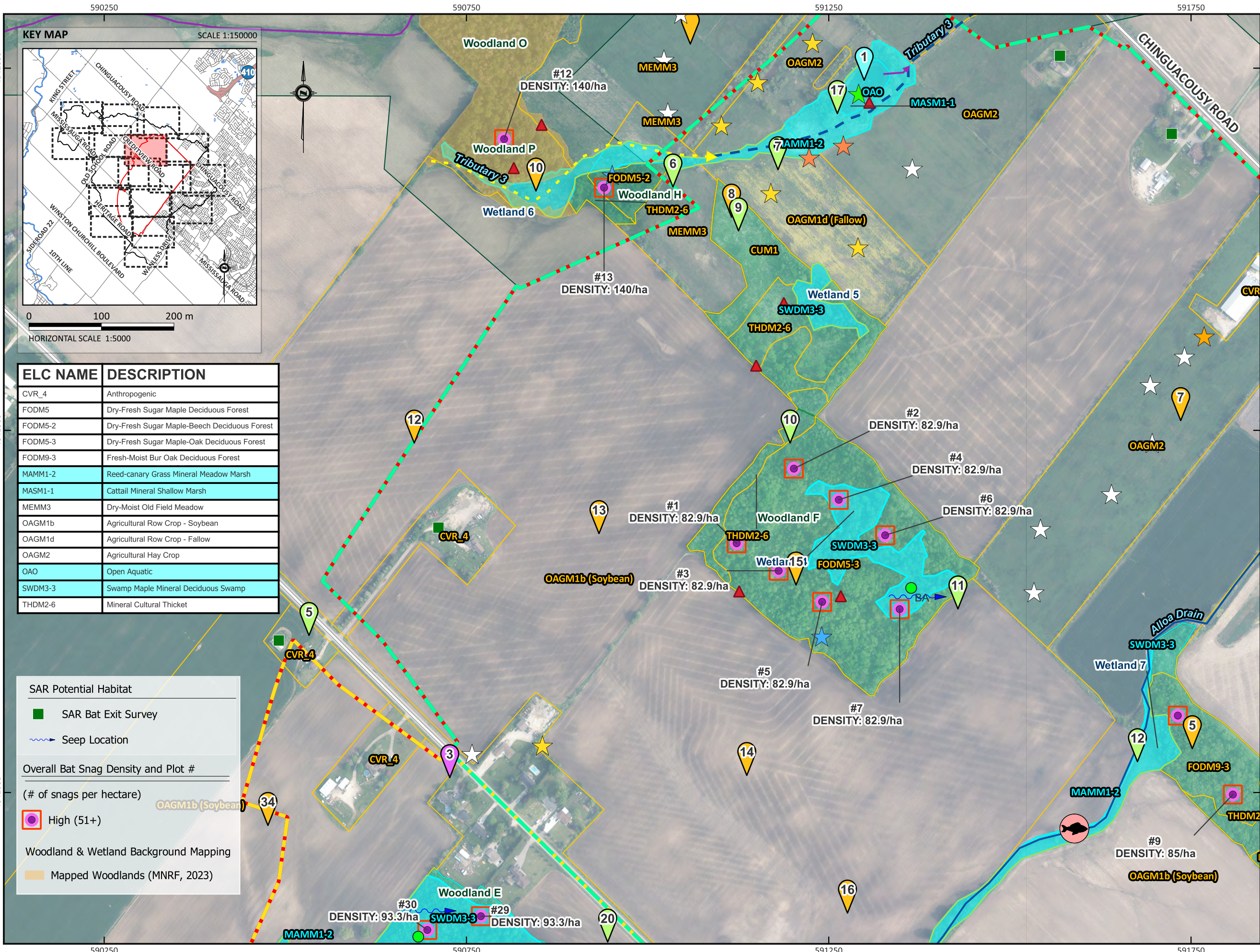
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-09
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

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ELC NAME	DESCRIPTION
CVR_4	Anthropogenic
FODM5	Dry-Fresh Sugar Maple Deciduous Forest
FODM5-2	Dry-Fresh Sugar Maple-Beech Deciduous Forest
FODM5-3	Dry-Fresh Sugar Maple-Oak Deciduous Forest
FODM9-3	Fresh-Moist Bur Oak Deciduous Forest
MAMM1-2	Reed-canary Grass Mineral Meadow Marsh
MASM1-1	Cattail Mineral Shallow Marsh
MEMM3	Dry-Moist Old Field Meadow
OAGM1b	Agricultural Row Crop - Soybean
OAGM1d	Agricultural Row Crop - Fallow
OAGM2	Agricultural Hay Crop
OAO	Open Aquatic
SWDM3-3	Swamp Maple Mineral Deciduous Swamp
THDM2-6	Mineral Cultural Thicket

SAR Potential Habitat

- SAR Bat Exit Survey
- Seep Location

Overall Bat Snag Density and Plot #

(# of snags per hectare)

- High (51+)

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)

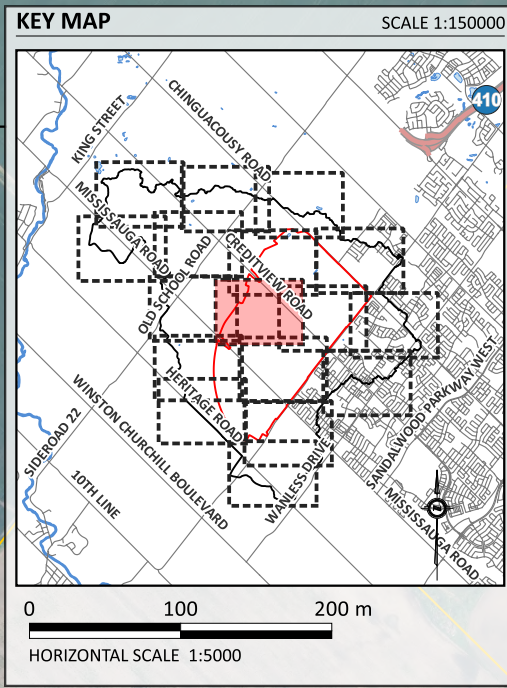
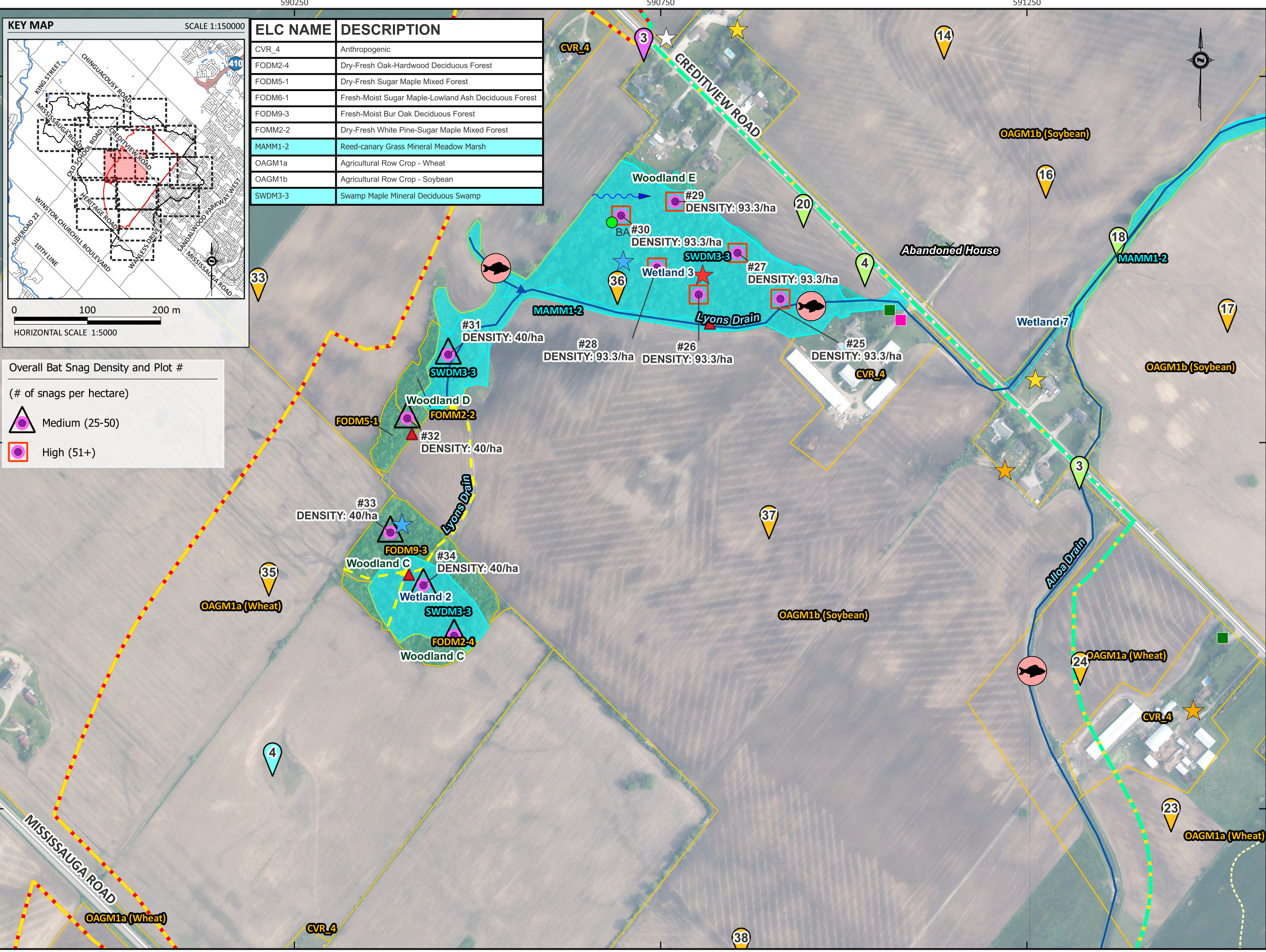
- LEGEND**
- Primary Study Area
 - Secondary Study Area
 - Phase I Lands
 - Phase II Lands
 - Greenbelt Plan Area (LIO, 2024)
 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
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 - Wetland ELC Communities
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 - Intermittent Drainage Feature / Direct Fish Habitat
 - Ephemeral Drainage Feature / Indirect Fish Habitat
 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- Amphibian Survey Station
 - Basking Turtle Survey Station
 - Dawn Breeding Bird Survey Station
 - Nocturnal Bird Survey Station
- Preliminary SAR Observations**
- Bobolink
 - Eastern Meadowlark
 - Eastern Wood-pewee
 - Barn Swallow
 - Black Ash (BA)
- SWH Observations**
- Chimney Crayfish
 - Midland Painted Turtle

ENVIRONMENTAL FEATURES

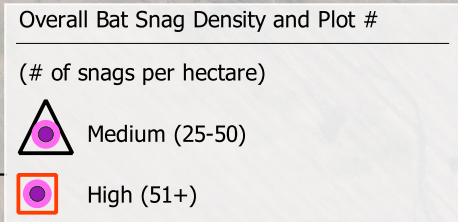
SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-10
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

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ELC NAME	DESCRIPTION
CVR_4	Anthropogenic
FODM2-4	Dry-Fresh Oak-Hardwood Deciduous Forest
FODM5-1	Dry-Fresh Sugar Maple Mixed Forest
FODM6-1	Fresh-Moist Sugar Maple-Lowland Ash Deciduous Forest
FODM9-3	Fresh-Moist Bur Oak Deciduous Forest
FODM2-2	Dry-Fresh White Pine-Sugar Maple Mixed Forest
MAMM1-2	Reed-canary Grass Mineral Meadow Marsh
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean
SWDM3-3	Swamp Maple Mineral Deciduous Swamp



- LEGEND**
- Primary Study Area
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 - Staked & Surveyed Provincially Significant Wetland (TRCA & Beacon, Sep.-Nov. 2023)
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 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
 - Wetland ELC Communities
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- Permanent Watercourse / Direct Fish Habitat
 - Intermittent Drainage Feature / Indirect Fish Habitat
 - Warmwater Thermal Regime
- Survey Stations**
- Amphibian Survey Station
 - Basking Turtle Survey Station
 - Dawn Breeding Bird Survey Station
 - Nocturnal Bird Survey Station
- Preliminary SAR Observations**
- Bobolink
 - Eastern Meadowlark
 - Eastern Wood-pewee
 - Wood Thrush
 - Barn Swallow
 - Black Ash (BA)
- SAR Potential Habitat**
- SAR Bat Exit Survey
 - Chimney Swift
 - Seep Location

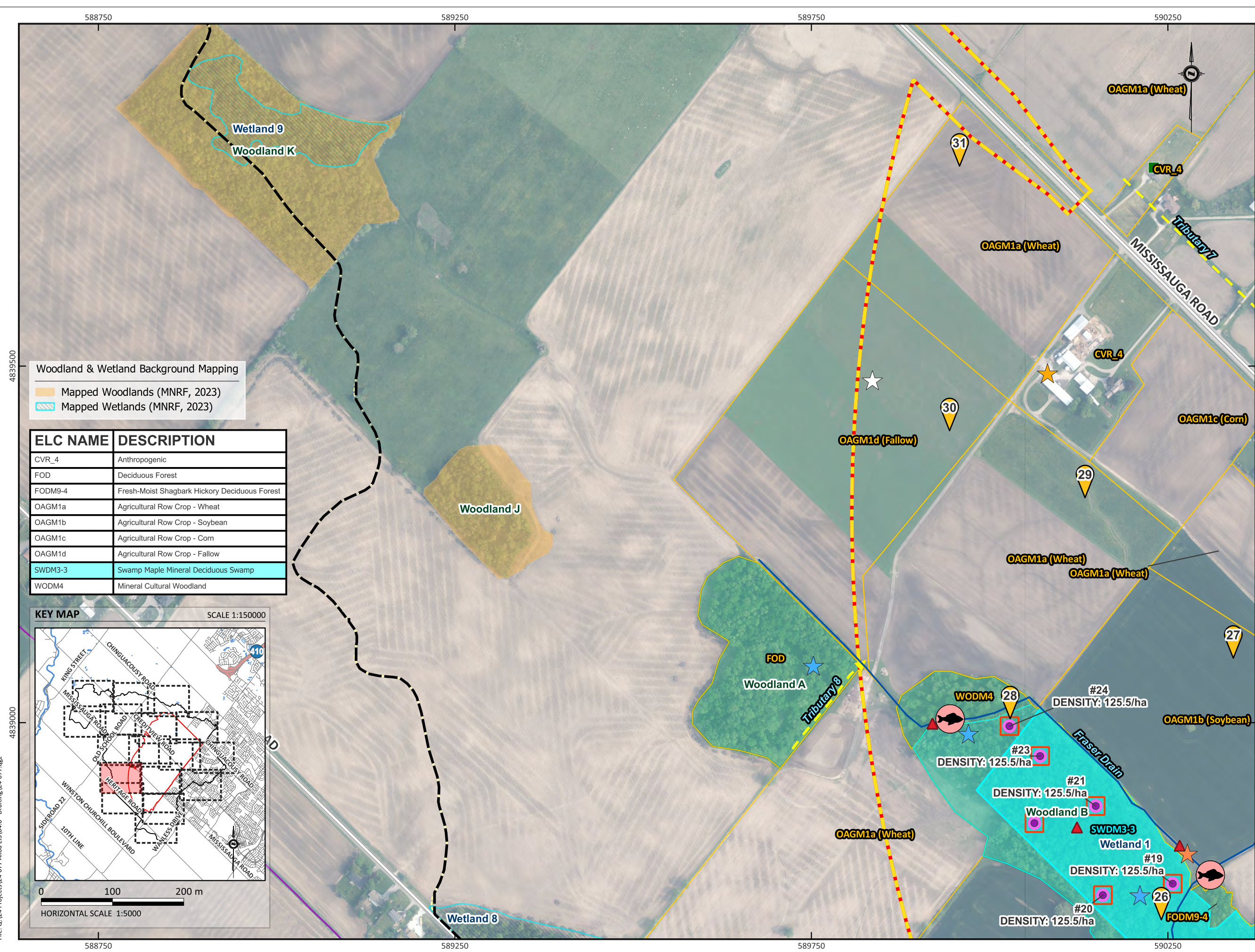
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ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-11
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

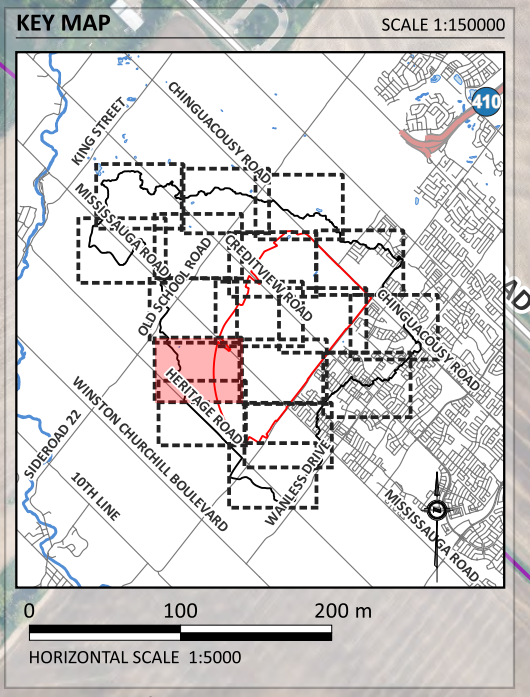
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Woodland & Wetland Background Mapping

- Mapped Woodlands (MNR, 2023)
- Mapped Wetlands (MNR, 2023)

ELC NAME	DESCRIPTION
CVR_4	Anthropogenic
FOD	Deciduous Forest
FODM9-4	Fresh-Moist Shagbark Hickory Deciduous Forest
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean
OAGM1c	Agricultural Row Crop - Corn
OAGM1d	Agricultural Row Crop - Fallow
SWDM3-3	Swamp Maple Mineral Deciduous Swamp
WODM4	Mineral Cultural Woodland



- LEGEND**
- Primary Study Area
 - Secondary Study Area
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 - Drainage Feature (Not Assessed)
 - Warmwater Thermal Regime
- Survey Stations**
- Dawn Breeding Bird Survey Station
 - Bat Acoustic Monitors
- Preliminary SAR Observations**
- Chimney Crayfish
 - Bobolink
 - Eastern Wood-pewee
 - Barn Swallow
- SWH Observations**
- Chimney Crayfish
- SAR Potential Habitat**
- SAR Bat Exit Survey
- Overall Bat Snag Density and Plot #**
- (# of snags per hectare)
- High (51+)

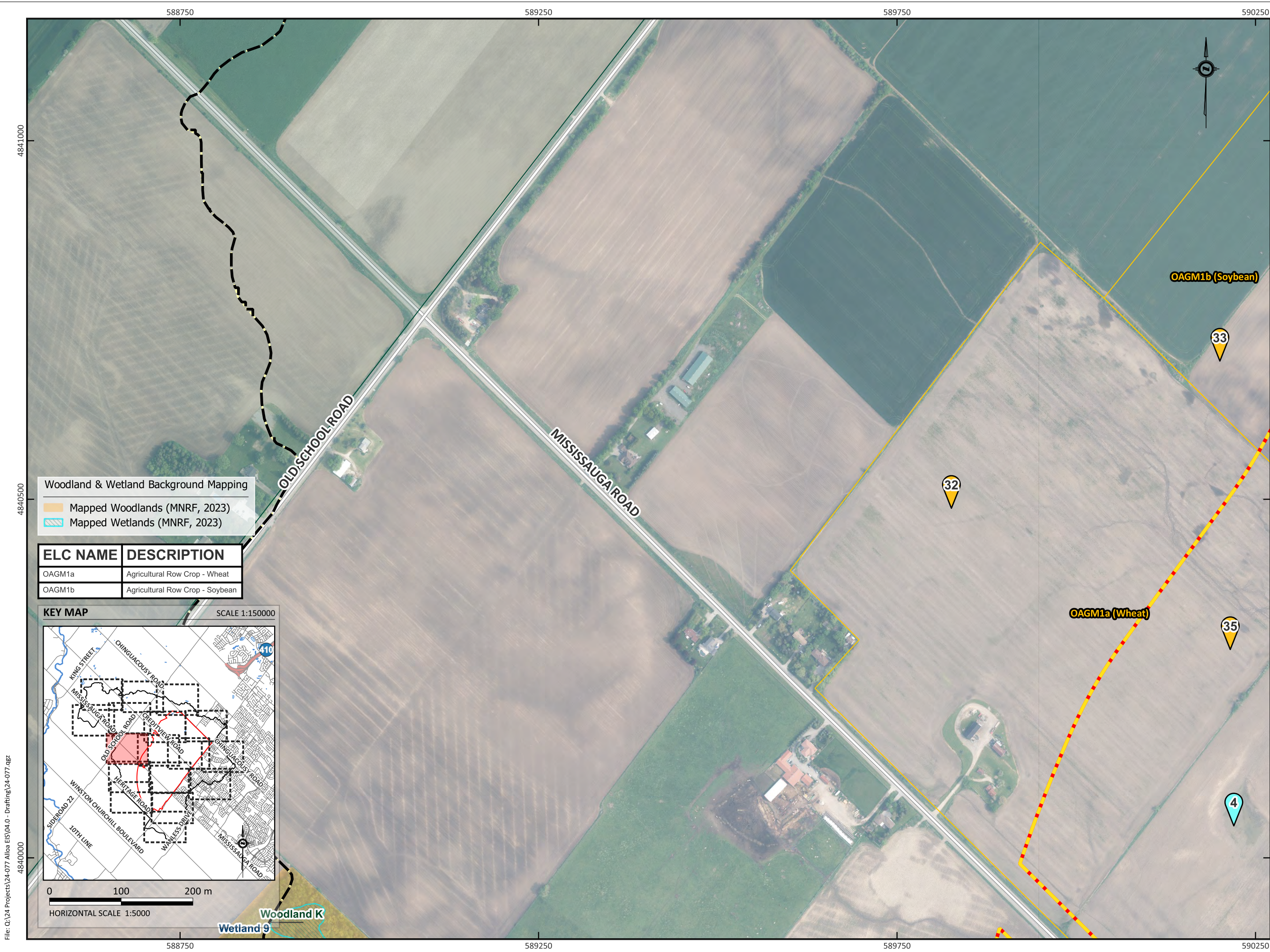
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-12
PROJECT NO.: 24-077b	
BASE MAP: MNR	

File: C:\24 Projects\24-077 Alcoa EIS\04.0 - Drafting\24-077.qgz



LEGEND

- Primary Study Area
- Secondary Study Area
- Phase II Lands
- Greenbelt Plan Area (LIO, 2024)
- Conservation Authority Jurisdiction Boundary
- Upland ELC Communities

Survey Stations

- Basking Turtle Survey Station
- Dawn Breeding Bird Survey Station

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)

ELC NAME	DESCRIPTION
OAGM1a	Agricultural Row Crop - Wheat
OAGM1b	Agricultural Row Crop - Soybean

KEY MAP SCALE 1:150000

0 100 200 m
HORIZONTAL SCALE 1:5000

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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-13
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

File: O:\24 Projects\24-077 Alcoa EIS\04.0 - Drafting\24-077.qgz

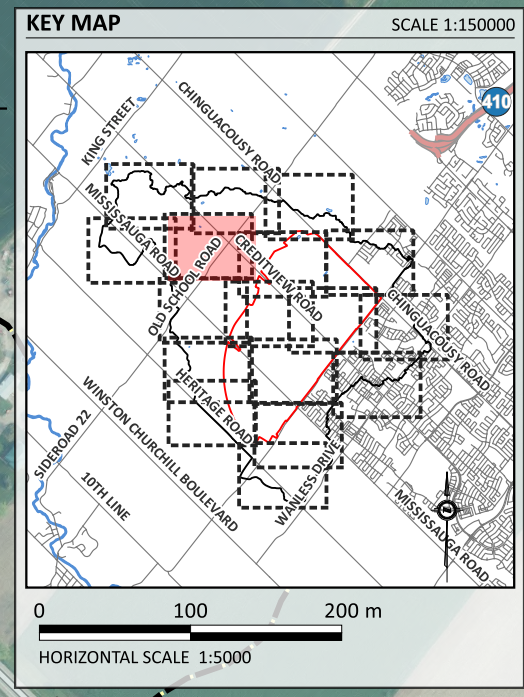


- LEGEND**
- Secondary Study Area
 - Greenbelt Plan Area (LIO, 2024)
 - Conservation Authority Jurisdiction Boundary
 - Upland ELC Communities
- Fish Habitat**
- Drainage Feature (Not Assessed)

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNR, 2023)
- Mapped Wetlands (MNR, 2023)

ELC NAME	DESCRIPTION
OAGM1b	Agricultural Row Crop - Soybean



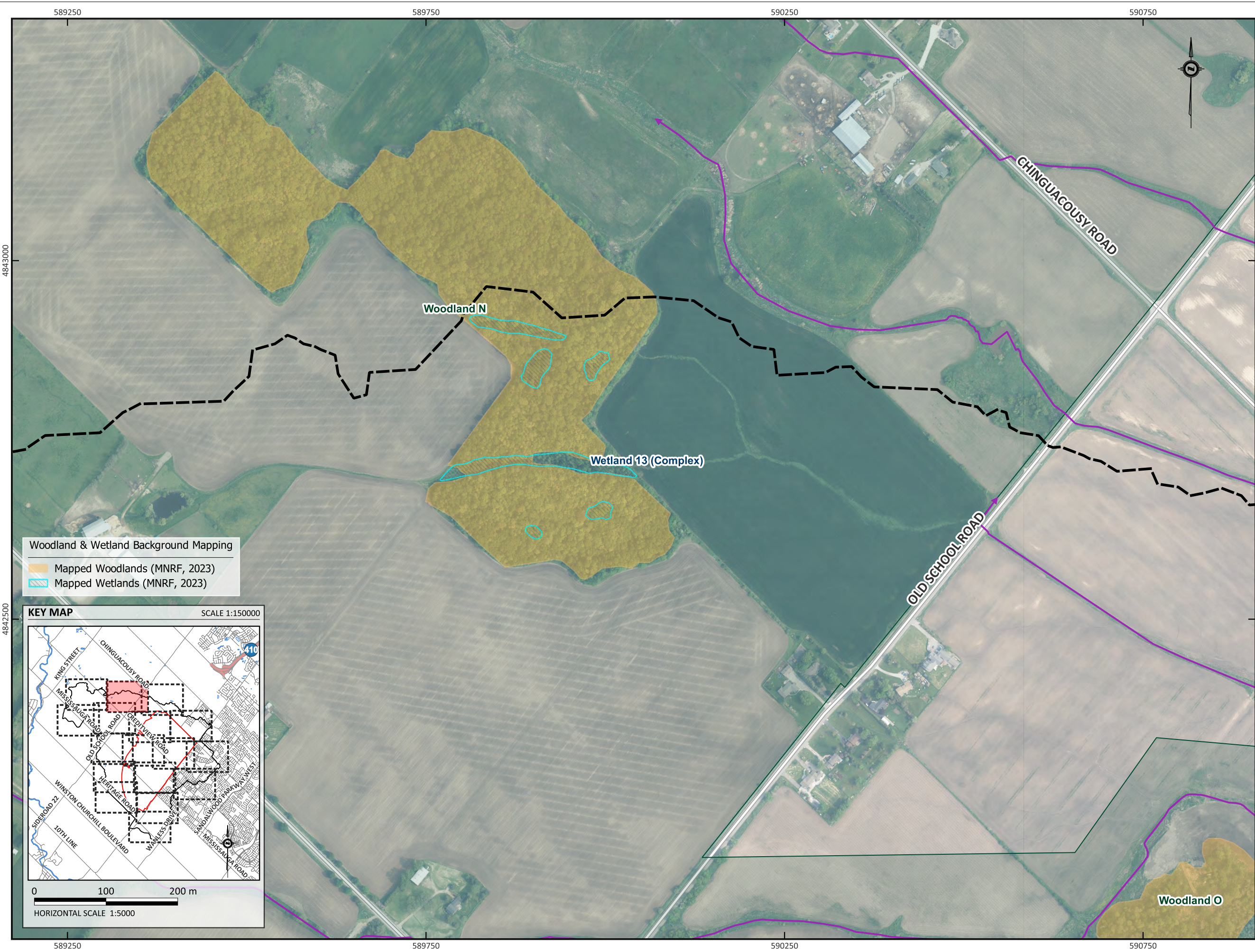
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ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

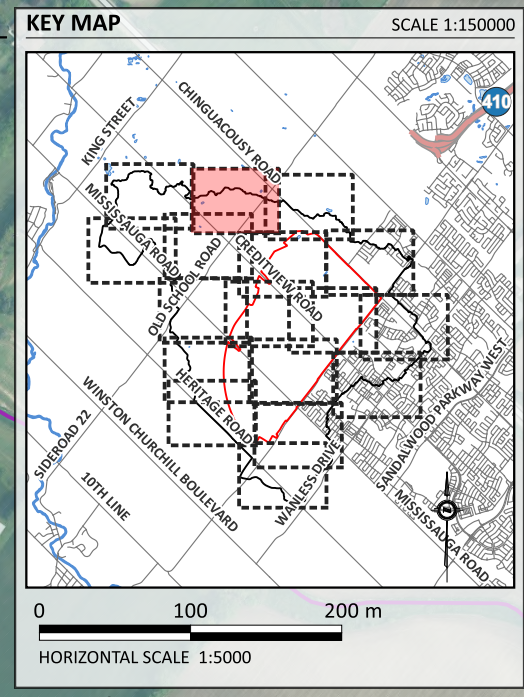
DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-14
PROJECT NO.: 24-077b	
BASE MAP: MNR	

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- LEGEND**
- Secondary Study Area
 - Greenbelt Plan Area (LIO, 2024)
 - Fish Habitat**
 - Drainage Feature (Not Assessed)

- Woodland & Wetland Background Mapping**
- Mapped Woodlands (MNRF, 2023)
 - Mapped Wetlands (MNRF, 2023)



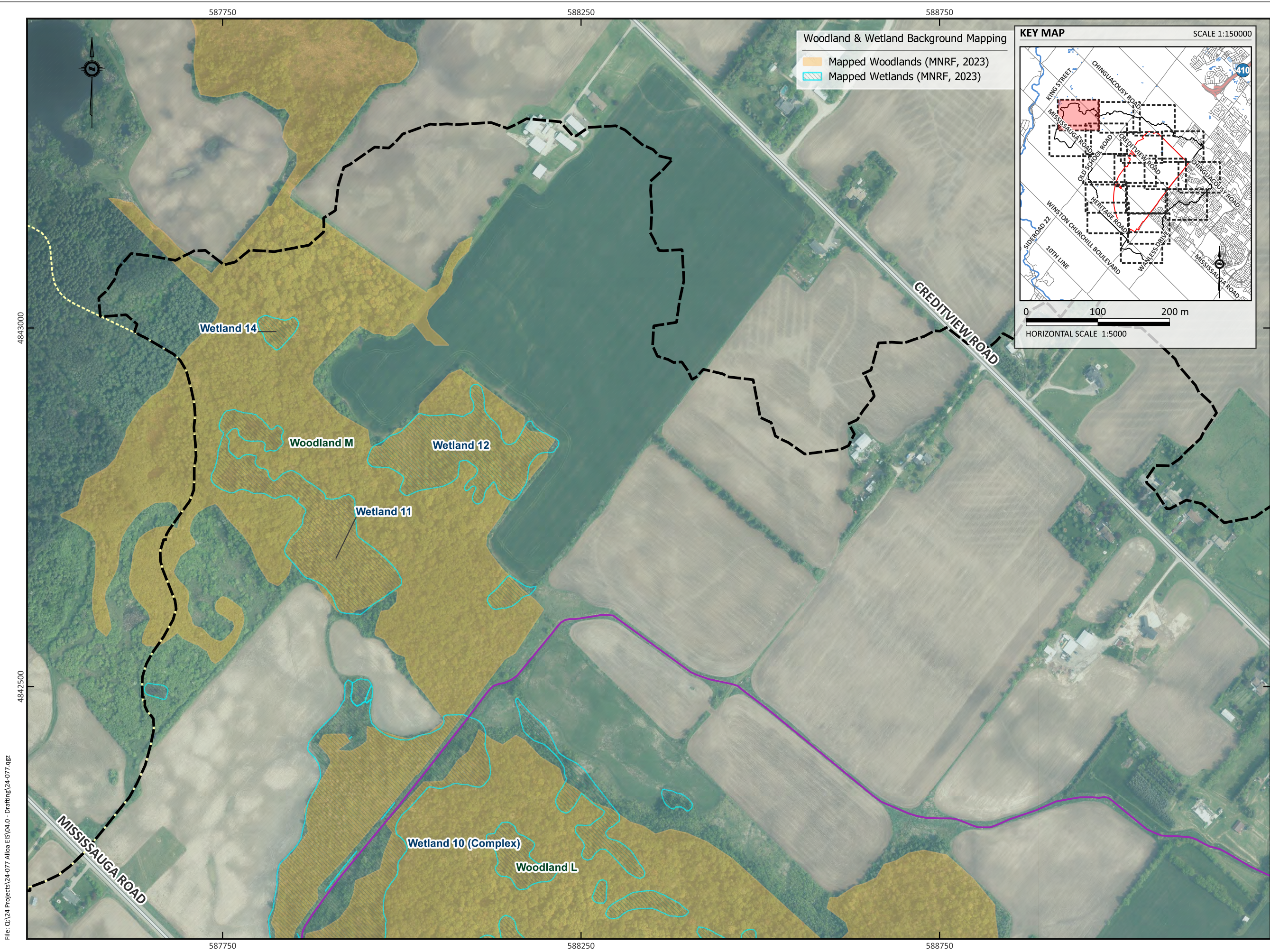
ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

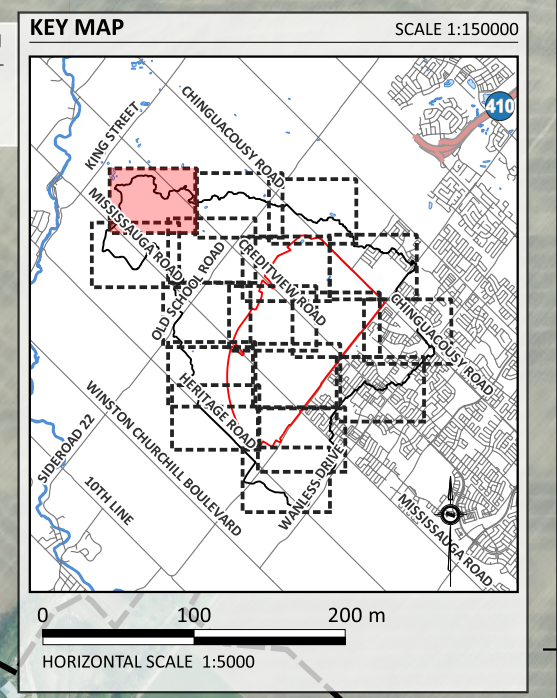
DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-15
PROJECT NO.: 24-077b	
BASE MAP: MNRF	

File: O:\24 Projects\24-077 Alcoa EIS\04.0 - Drafting\24-077.qgz



Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)



- LEGEND**
- Secondary Study Area
 - Greenbelt Plan Area (LIO, 2024)
 - Conservation Authority Jurisdiction Boundary
 - Fish Habitat
 - Drainage Feature (Not Assessed)

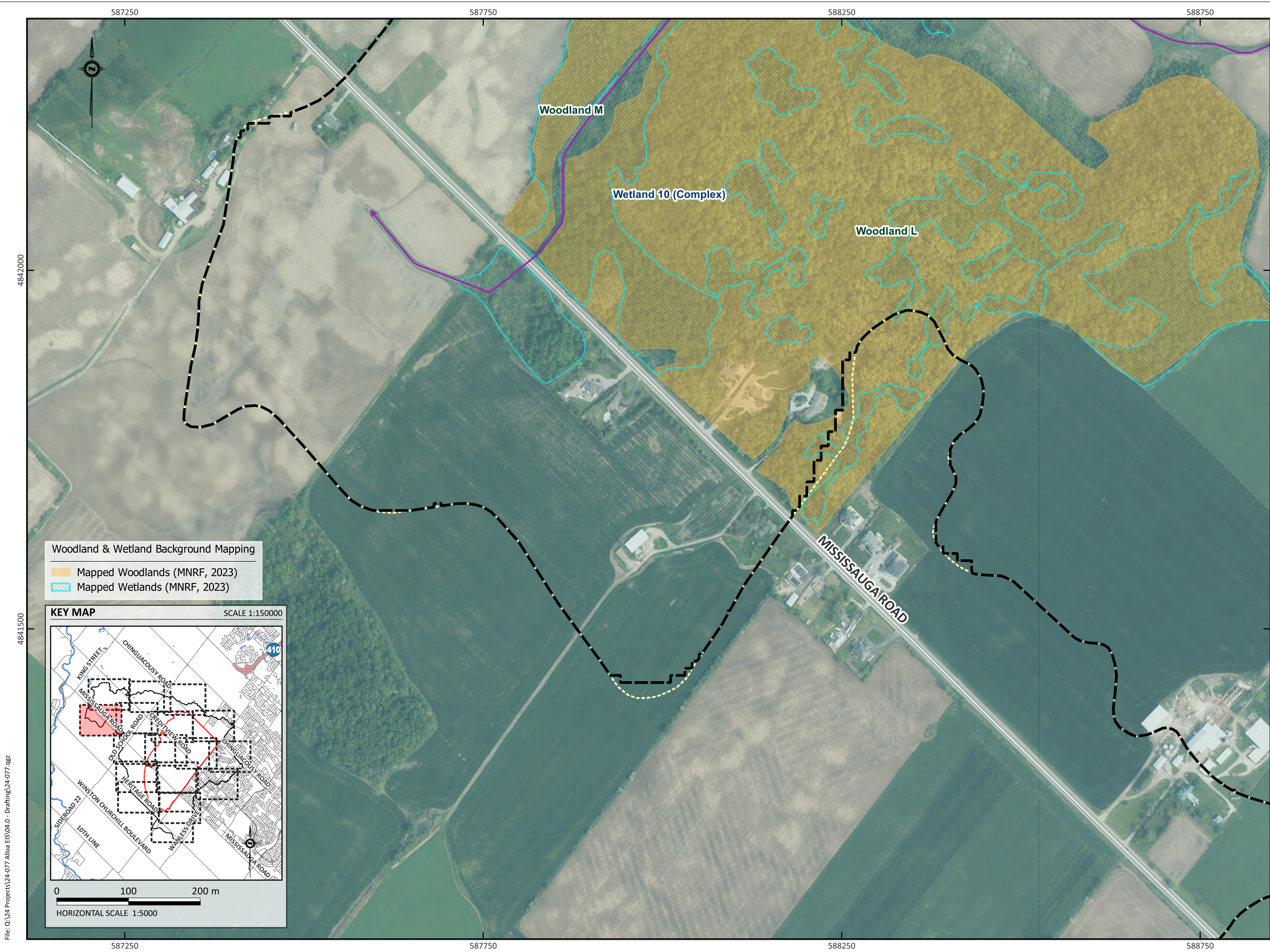
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SECONDARY STUDY AREA
CALEDON, ON

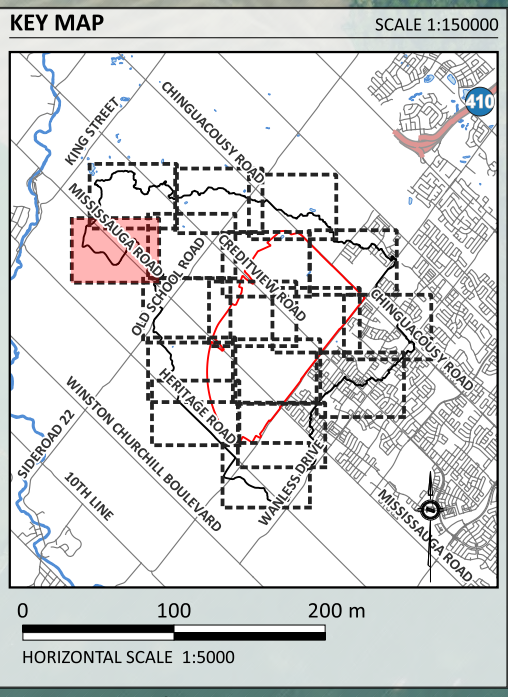
DATE ISSUED: JUNE 2024	Figure No.
CREATED BY: A.L.	2-16
PROJECT NO.: 24-077b	
BASE MAP: MNRF	



- LEGEND**
- Secondary Study Area
 - Greenbelt Plan Area (LIO, 2024)
 - Conservation Authority Jurisdiction Boundary
 - Fish Habitat
 - Drainage Feature (Not Assessed)

Woodland & Wetland Background Mapping

- Mapped Woodlands (MNRF, 2023)
- Mapped Wetlands (MNRF, 2023)



ENVIRONMENTAL ASSESSMENTS & APPROVALS

ENVIRONMENTAL FEATURES

SECONDARY STUDY AREA
CALEDON, ON

DATE ISSUED: JUNE 2024	Figure No.
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Photograph 1: Open field at Property 80 with meadow in background (Mayfield and Chinguacousy Road intersection) (June 14, 2024).



Photograph 2: Planted soybean field at 12101 Creditview Road. Many agricultural fields in study area are either soybean, corn or were fallow during the field program (June 14, 2024).



Photograph 3: Wetland polygon at evening calling amphibian survey station #2 east of Creditview Road, facing northeast (June 14, 2024).



Photograph 4: Woodland F at 12455 Creditview Road, facing northeast (June 14, 2024).



Photograph 5: North end of Woodland B at 12300 Mississauga Road, facing south (June 14, 2024).



Photograph 6: Meadow ELC polygon occupied by Eastern Meadowlark and Bobolink at 12602 Chinguacousy Road (June 14, 2024).



Photograph 7: Open Aquatic ELC polygon (pond) at 12602 Chinguacousy Road; a male Little Blue Heron was observed (June 12, 2024).



Photograph 8: Territorial male Bobolink at 12472 Chinguacousy Road (suspected to be paired) (June 14, 2024).



Photograph 9: Extent of leaf off conditions in Woodland B during bat snag survey (May 3, 2024).



Photograph 10: Acoustic monitor pole and microphone on western edge of Woodland F (May 31, 2024).



Photograph 11: House likely requiring a future bat exit survey at 12455 Creditview Road (April 9, 2024).



Photograph 12: Barn likely requiring a future bat exit survey at 12300 Mississauga Road (April 9, 2024).



Photograph 13: Alloa Drain, looking upstream (southwest) from culvert inlet at Chinguacousy Road (May 15-16, 2024).



Photograph 14: Alloa Drain, looking downstream at channel near mid-point of study area, east of Creditview Road (May 15-16, 2024).



Photograph 15: Alloa Drain, looking downstream from Fraser Drain confluence – upstream segment of feature (May 15-16, 2024).



Photograph 16: Tributary #2, looking downstream (east) at dense vegetation along channel (May 15-16, 2024).



Photograph 17: Tributary #3, looking upstream (west) at indirect fish habitat segment of feature (May 15-16, 2024).



Photograph 19: Tributary #5, looking upslope (west), no defined channel or substrate sorting, dense terrestrial vegetation (May 15-16, 2024).



Photograph 18: Tributary #4, looking upstream (northwest) at poorly defined flow path through agricultural field (May 15-16, 2024).



Photograph 20: Tributary #7, looking upstream near southern limits of feature (May 15-16, 2024).



Photograph 21: Tributary #9, lowland area in forest with no defined banks or substrate sorting (May 15-16, 2024).



Photograph 22: Lyons Drain, downstream segment on east side of Creditview Road (May 15-16, 2024).



Photograph 23: Lyons Drain, upstream segment in forested lands (May 15-16, 2024).



Photograph 24: Fraser Drain, looking downstream from mid-point of feature (May 15-16, 2024).