Appendix G

SIGNIFICANT WILDLIFE HABITAT DATA AND MAPPING

Appendix G-1

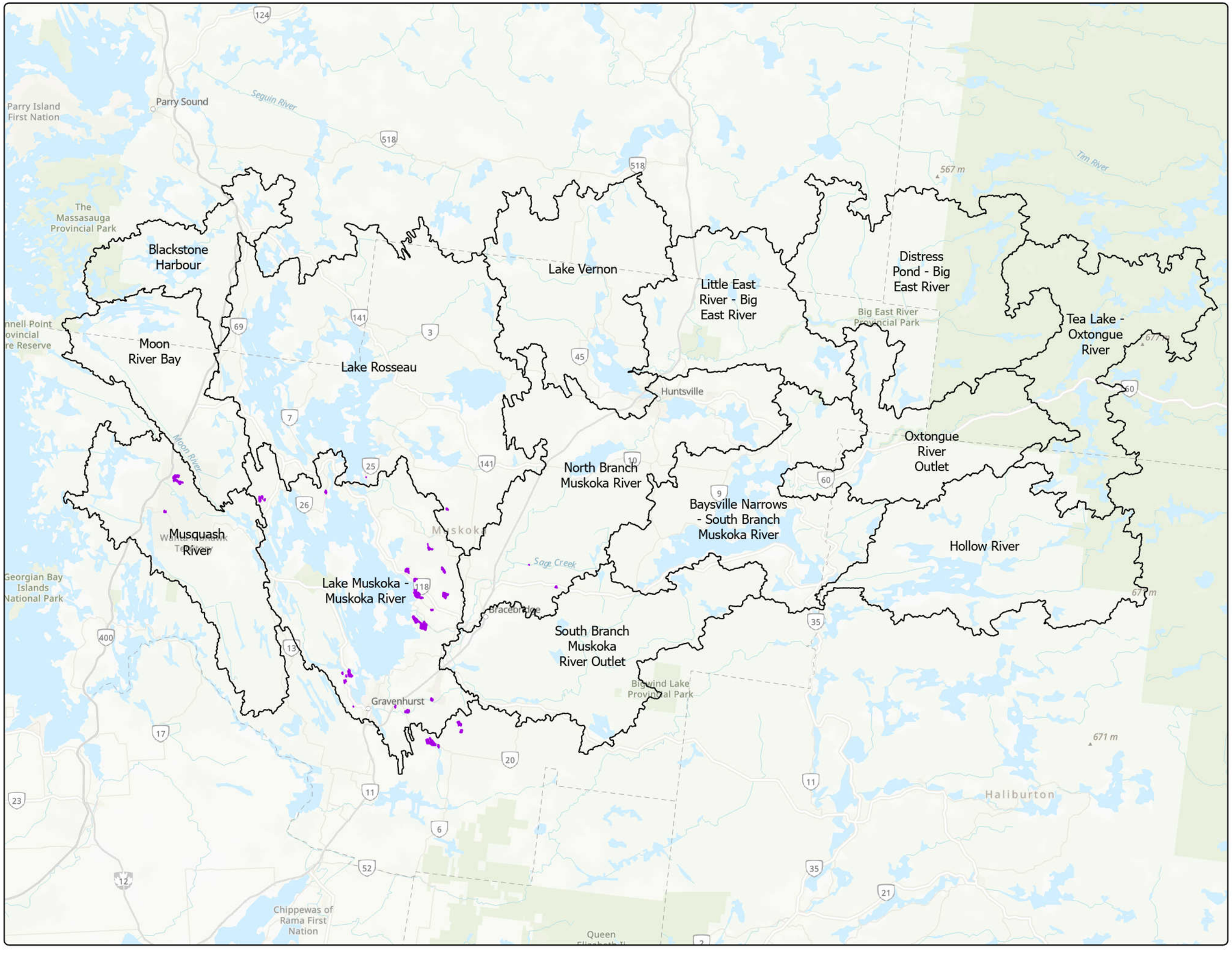
Significant Wildlife Habitat Mapping

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-1: Waterfowl Stopover and Staging Areas (Terrestrial)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-2: Waterfowl Stopover and Staging Areas (Aquatic)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour
Lake Vernon
Little East River - Big East River
Distress Pond - Big East River
Tea Lake - Oxtongue River
Moon River Bay
Lake Rosseau
Oxtongue River Outlet
North Branch Muskoka River
Baysville Narrows - South Branch Muskoka River
Hollow River
Musquash River
Lake Muskoka - Muskoka River
South Branch Muskoka River Outlet

Parry Island First Nation
Parry Sound
Seguin River
The Massasauga Provincial Park
Georgian Bay Islands National Park
Gravenhurst
Chippewas of Rama First Nation
Haliburton
Tim River
567 m
671 m

0 3,750 7,500 15,000
Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

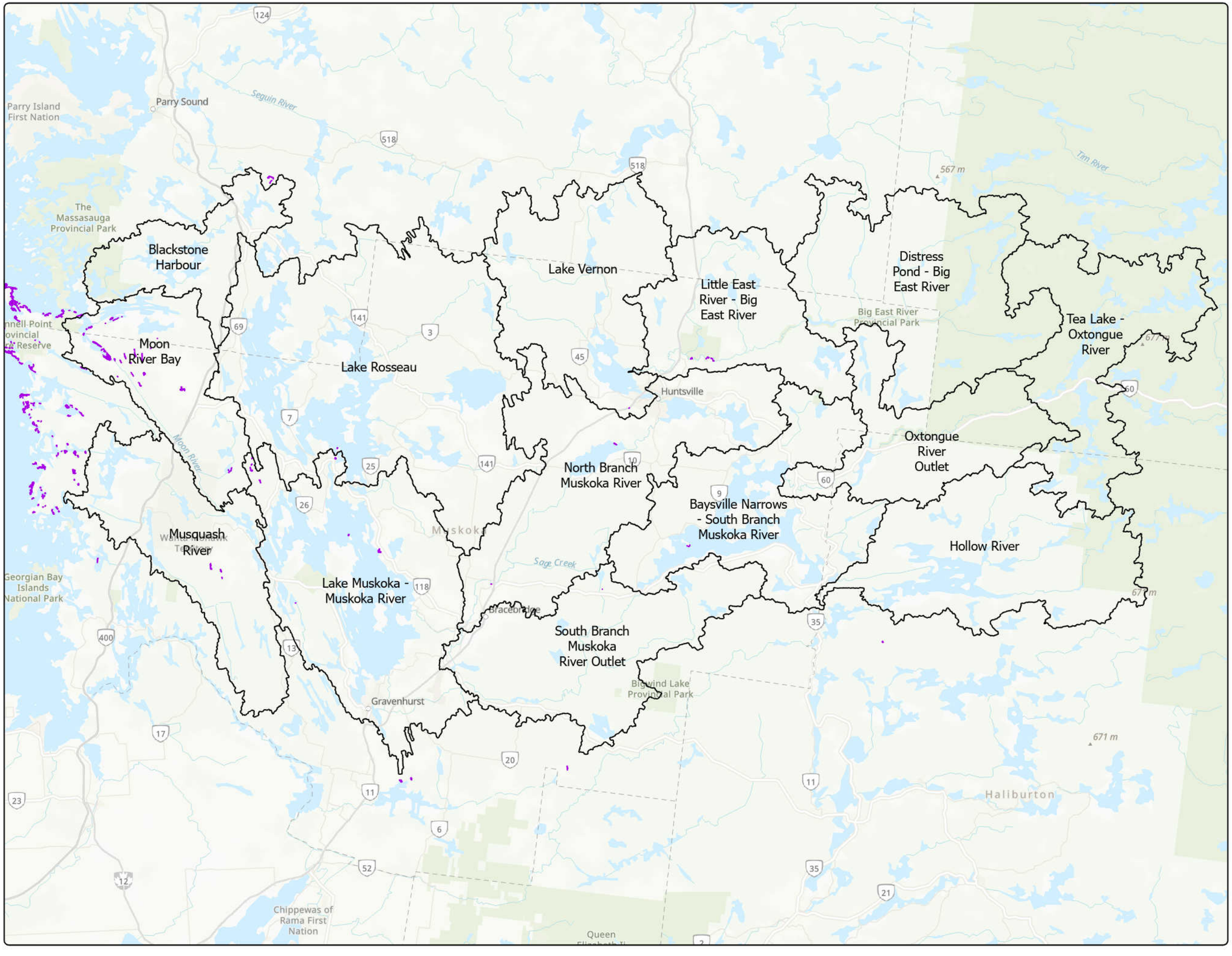
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-3: Shorebird Migratory Stopover Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

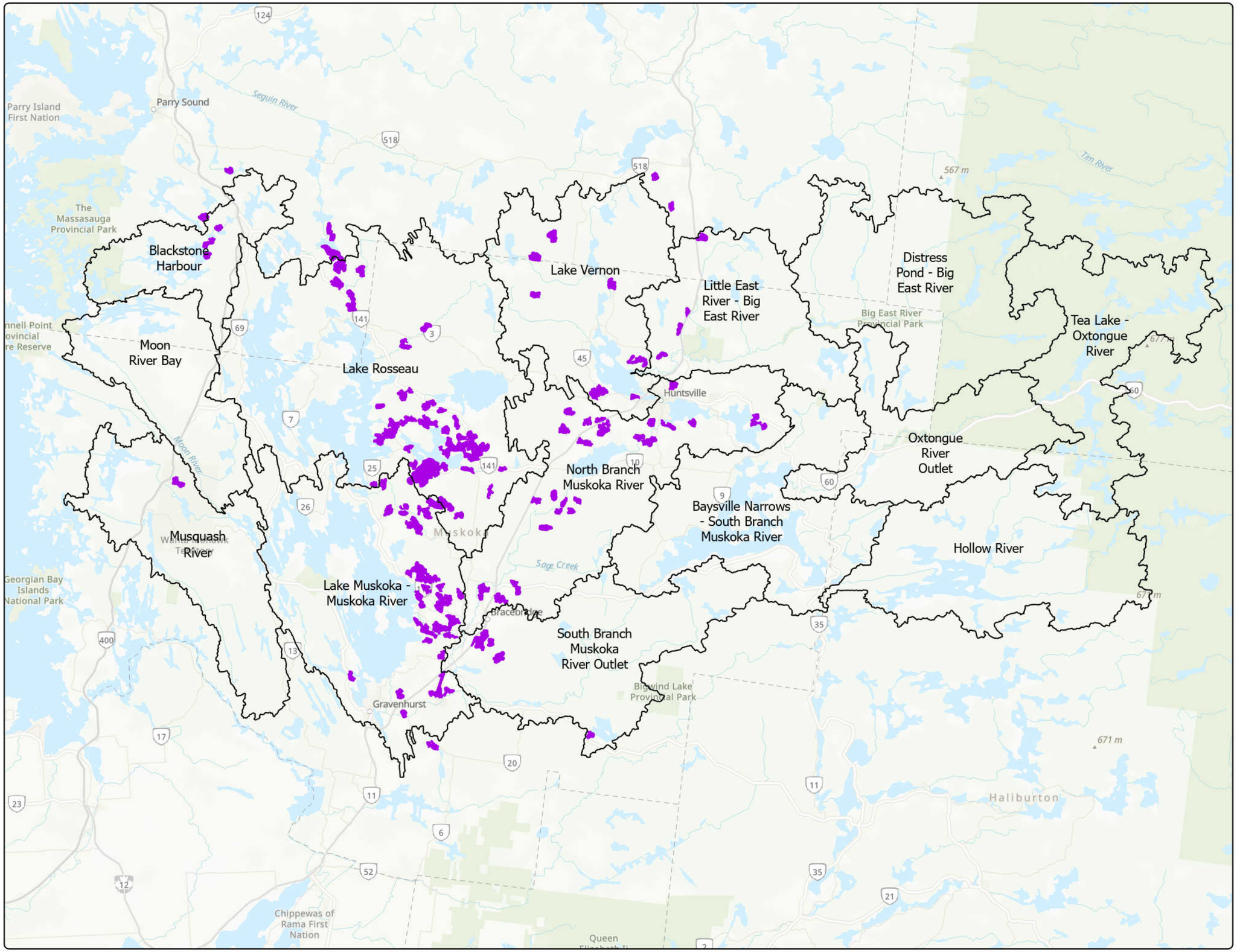
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-4: Raptor Wintering Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

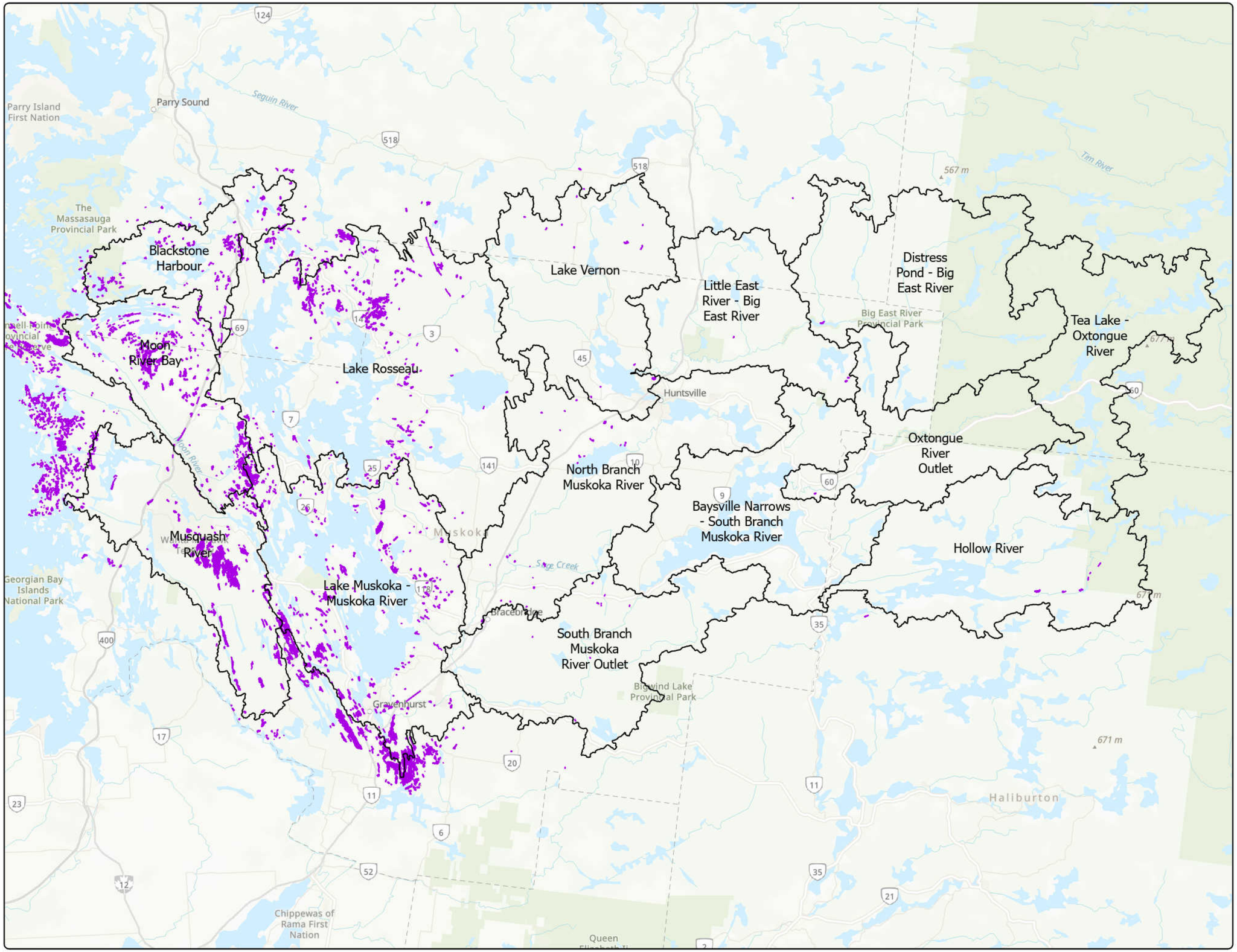
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-5: Bat Hibernaculum

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

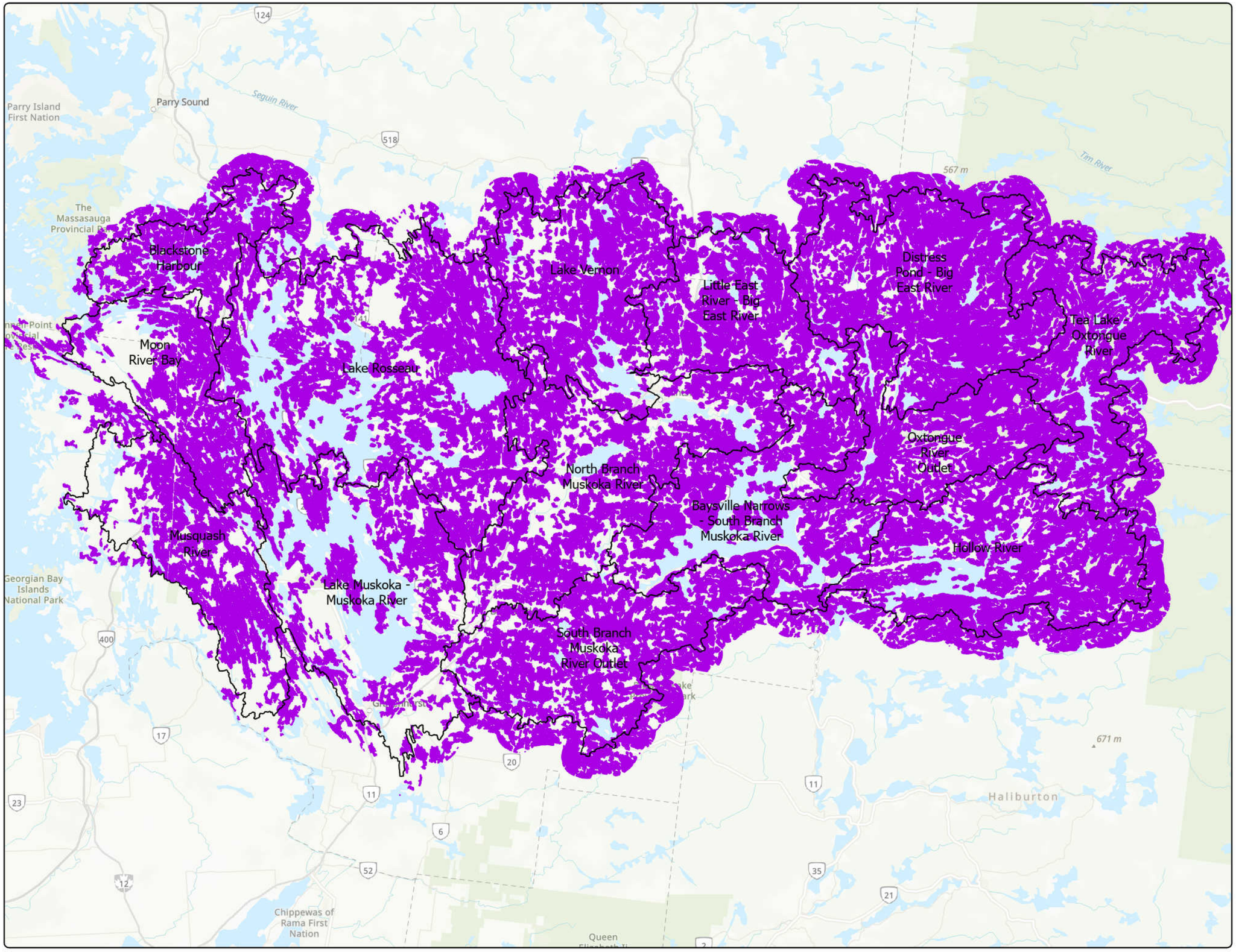
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-6: Bat Maternity Colonies

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

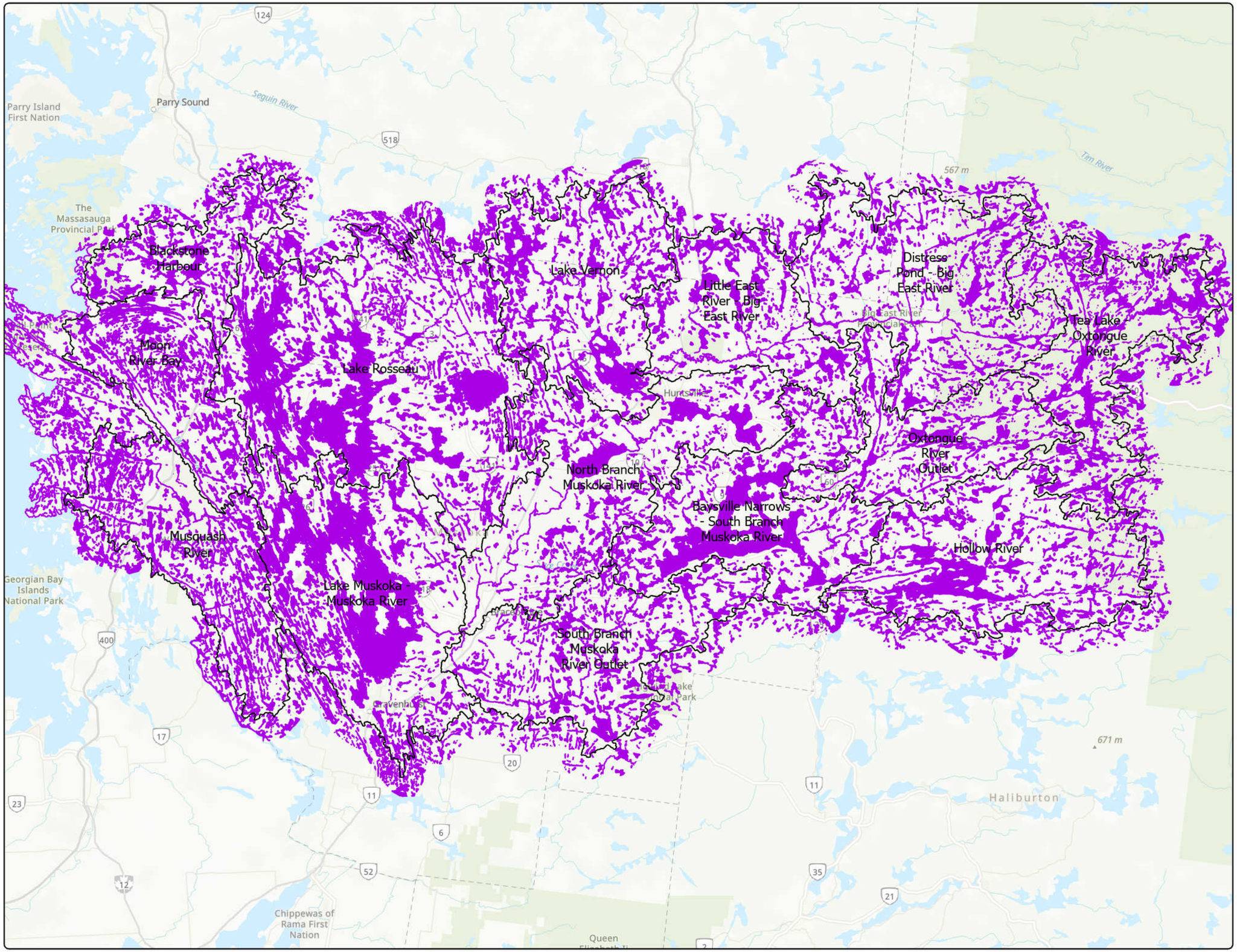
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-7: Turtle Wintering Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-8: Reptile Hibernaculum

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-9: Colonially - Nesting Bird Breeding Habitat (Bank and Cliff)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour
Lake Vernon
Little East River - Big East River
Distress Pond - Big East River
Tea Lake - Oxtongue River
Moon River Bay
Lake Rosseau
Oxtongue River Outlet
North Branch Muskoka River
Baysville Narrows - South Branch Muskoka River
Hollow River
Musquash River
Lake Muskoka - Muskoka River
South Branch Muskoka River Outlet

Parry Island First Nation
Parry Sound
The Massasauga Provincial Park
Big East River Provincial Park
Huntsville
Georgian Bay Islands National Park
Gravenhurst
Bigwind Lake Provincial Park
Haliburton
Chippewas of Rama First Nation

0 3,750 7,500 15,000
Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

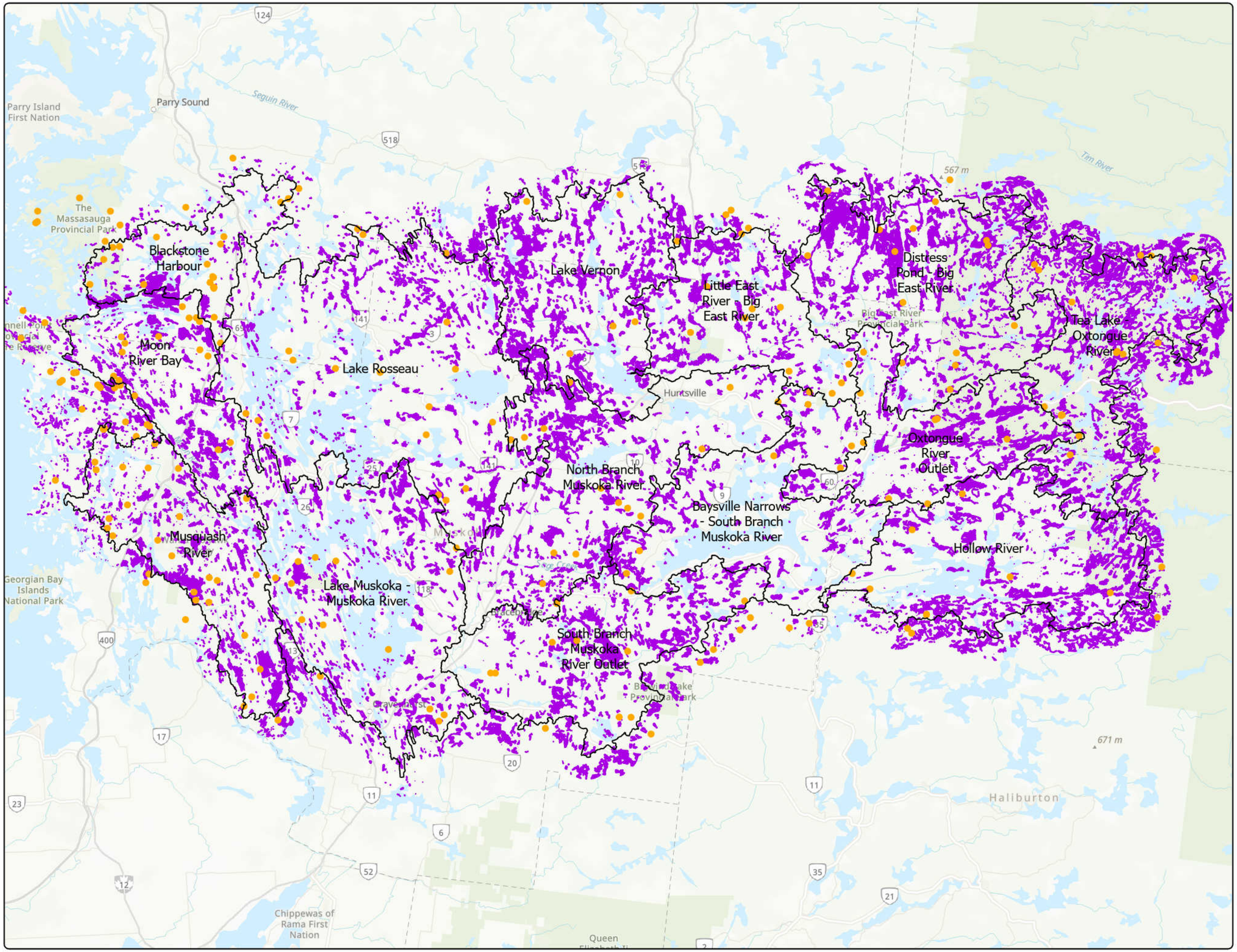
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-10: Colonially - Nesting Bird Breeding Habitat (Tree/Shrubs)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

- Candidate
- Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-11: Colonially - Nesting Bird Breeding Habitat (Ground)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour

Moon River Bay

Musquash River

Lake Muskoka - Muskoka River

Lake Rosseau

Lake Vernon

North Branch Muskoka River

South Branch Muskoka River Outlet

Little East River - Big East River

Baysville Narrows - South Branch Muskoka River

Distress Pond - Big East River

Oxtongue River Outlet

Tea Lake - Oxtongue River

Hollow River

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

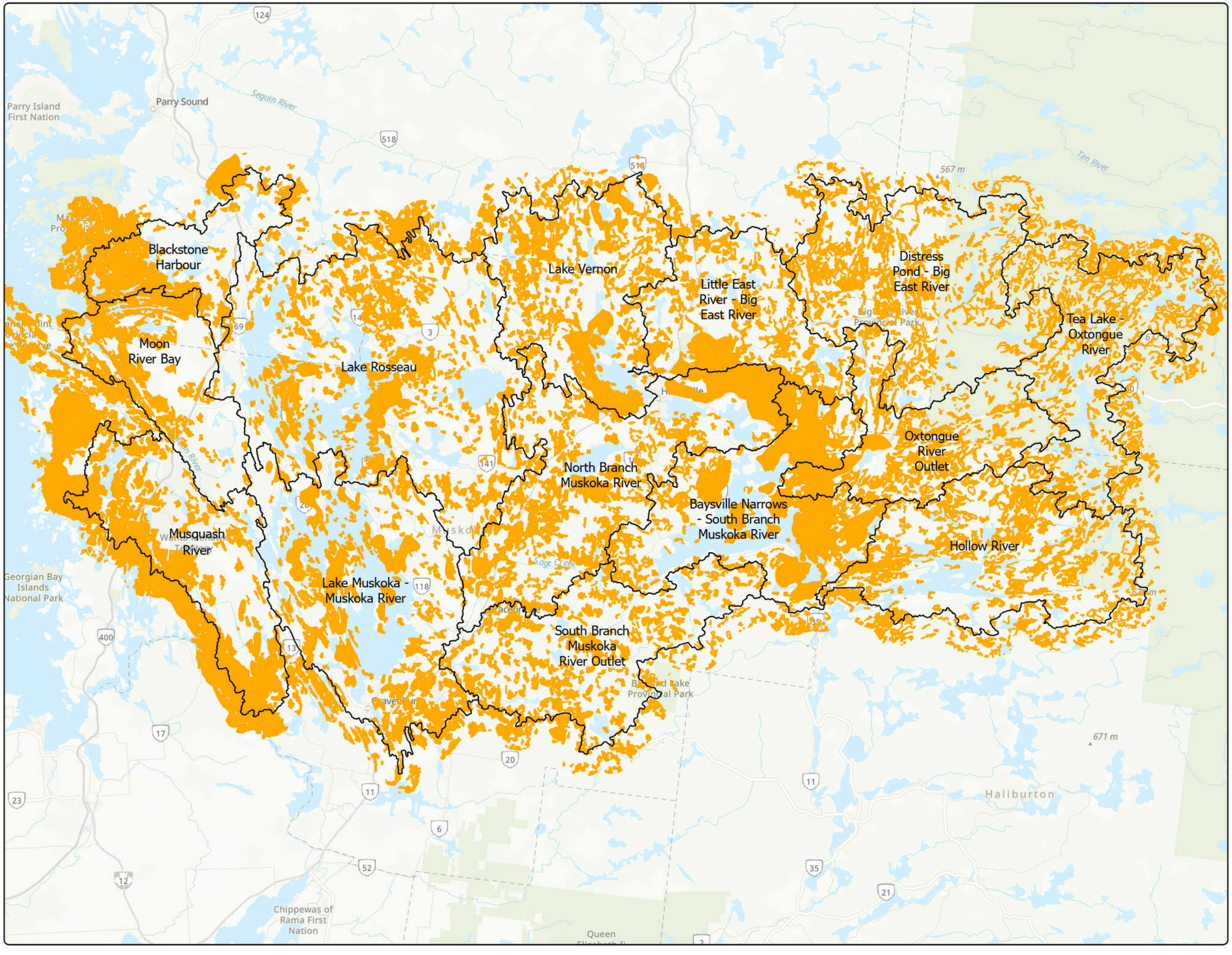
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-12: Deer Yarding Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-13: Beach/ Beach Ridge/ Bar/ Sand Dunes

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour
Moon River Bay
Musquash River
Lake Vernon
Lake Rosseau
Lake Muskoka - Muskoka River
Little East River - Big East River
North Branch Muskoka River
South Branch Muskoka River Outlet
Baysville Narrows - South Branch Muskoka River
Distress Pond - Big East River
Tea Lake - Oxtongue River
Oxtongue River Outlet
Hollow River

Parry Sound
Parry Island First Nation
The Massasauga Provincial Park
Big East River Provincial Park
Huntsville
Gravenhurst
Bracebridge
Muskoka
Sage Creek
Brewing Lake Provincial Park
Georgian Bay Islands National Park
Chippewas of Rama First Nation
Haliburton
Seguin River
Moon River
Tim River

0 3,750 7,500 15,000
Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-14:
Shallow Atlantic Coastal Marsh

Muskoka River Watershed IWM -
Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour
Moon River Bay
Musquash River
Lake Rosseau
Lake Vernon
Lake Muskoka - Muskoka River
Little East River - Big East River
North Branch Muskoka River
South Branch Muskoka River Outlet
Baysville Narrows - South Branch Muskoka River
Distress Pond - Big East River
Tea Lake - Oxtongue River
Oxtongue River Outlet
Hollow River

Parry Sound
Parry Island First Nation
The Massasauga Provincial Park
Big East River Provincial Park
Huntsville
Gravenhurst
Bracebridge
Muskoka
Sage Creek
Brewin Lake Provincial Park
Georgian Bay Islands National Park
Chippewas of Rama First Nation
Haliburton
Seguin River
Moon River
Tim River
567 m
671 m

0 3,750 7,500 15,000
Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

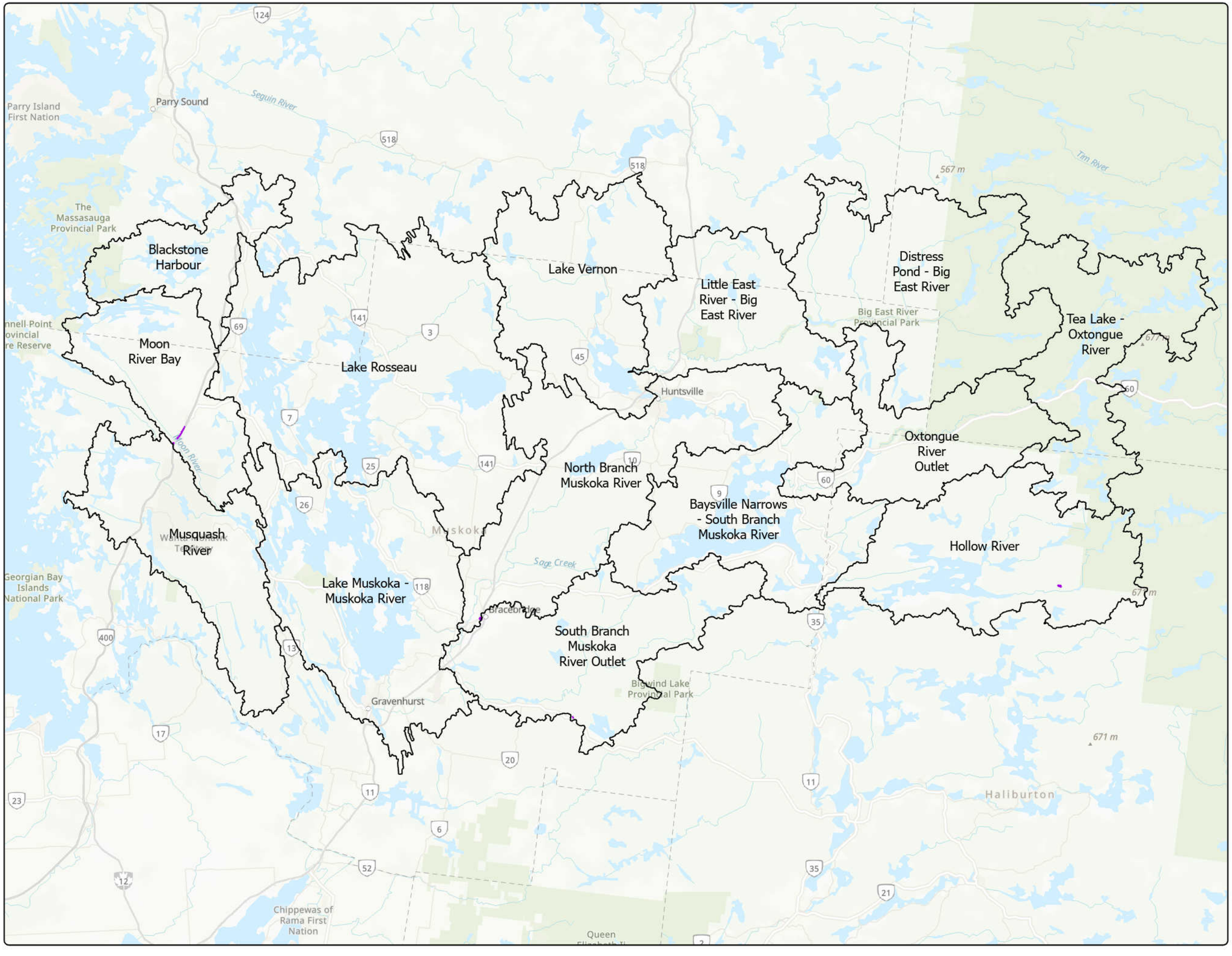
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-15: Cliffs and Talus Slopes

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-16: Rock Barren

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour

Moon River Bay

Musquash River

Lake Muskoka - Muskoka River

Lake Rosseau

Lake Vernon

Little East River - Big East River

North Branch Muskoka River

Baysville Narrows - South Branch Muskoka River

South Branch Muskoka River Outlet

Distress Pond - Big East River

Tea Lake - Oxtongue River

Oxtongue River Outlet

Hollow River

Parry Sound

Huntsville

Gravenhurst

Bracebridge

Haliburton

Parry Island First Nation

The Massasauga Provincial Park

Big East River Provincial Park

Bigwind Lake Provincial Park

Georgian Bay Islands National Park

Chippewas of Rama First Nation

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

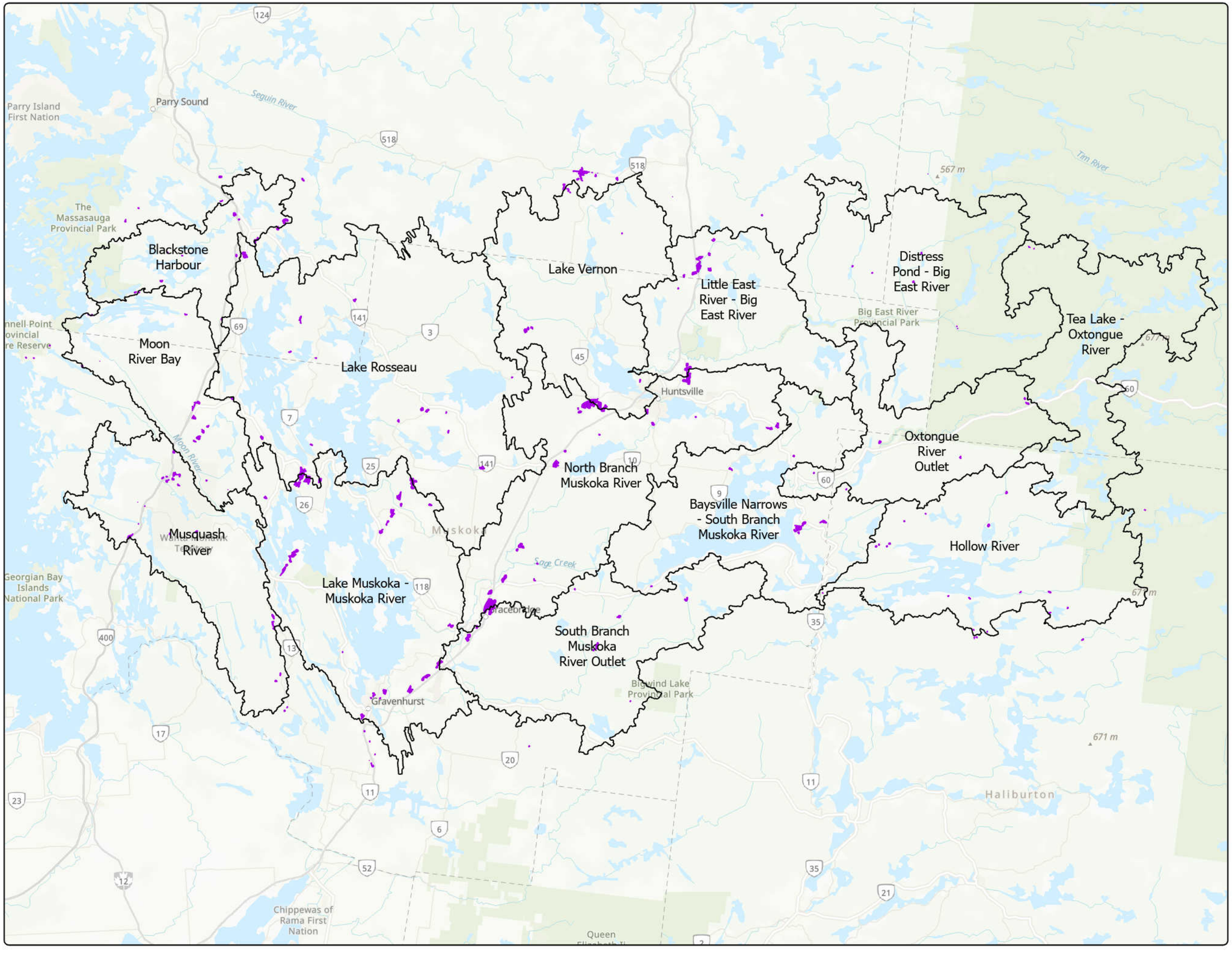
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-17: Sand Barren

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

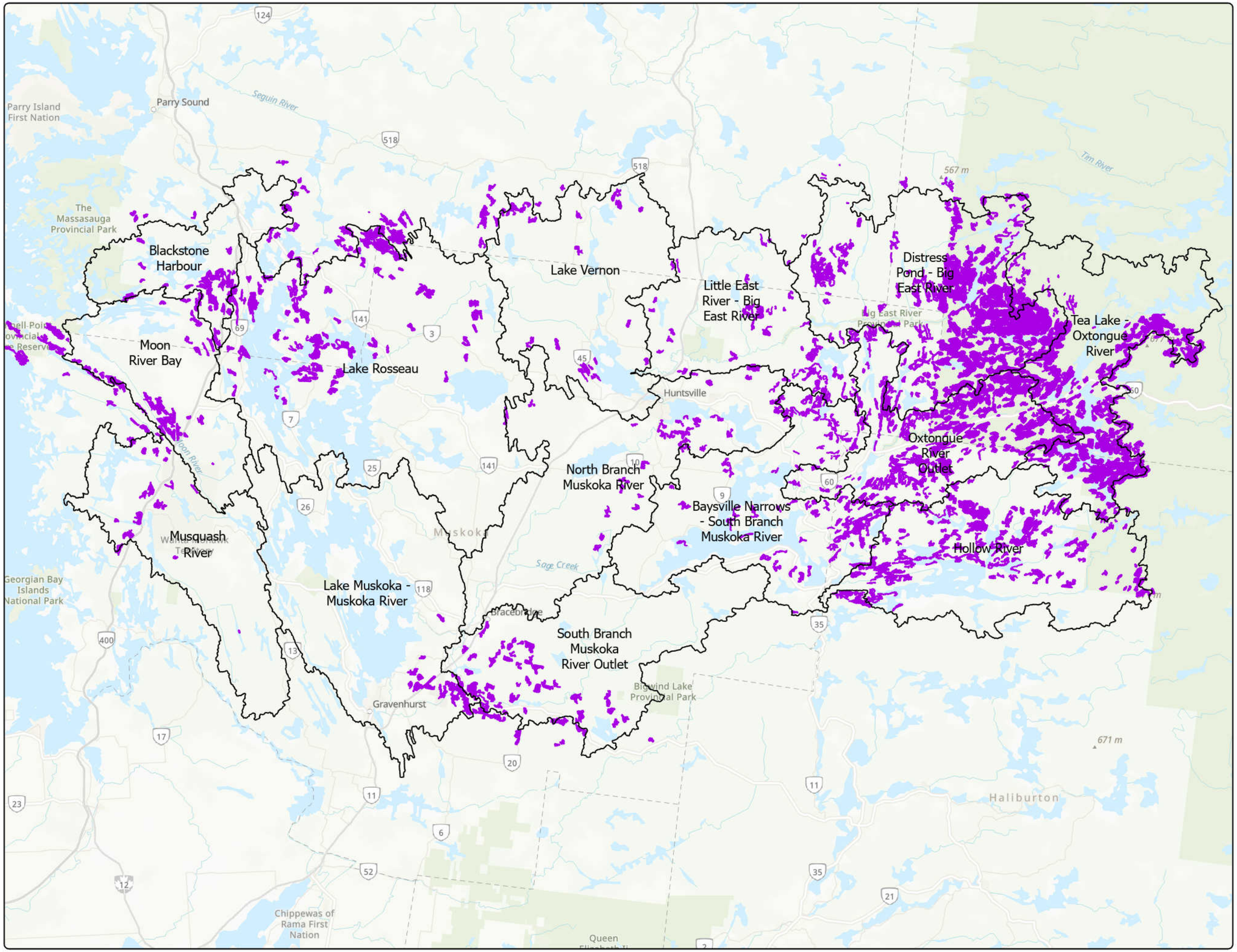
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-18: Old Growth Forest

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

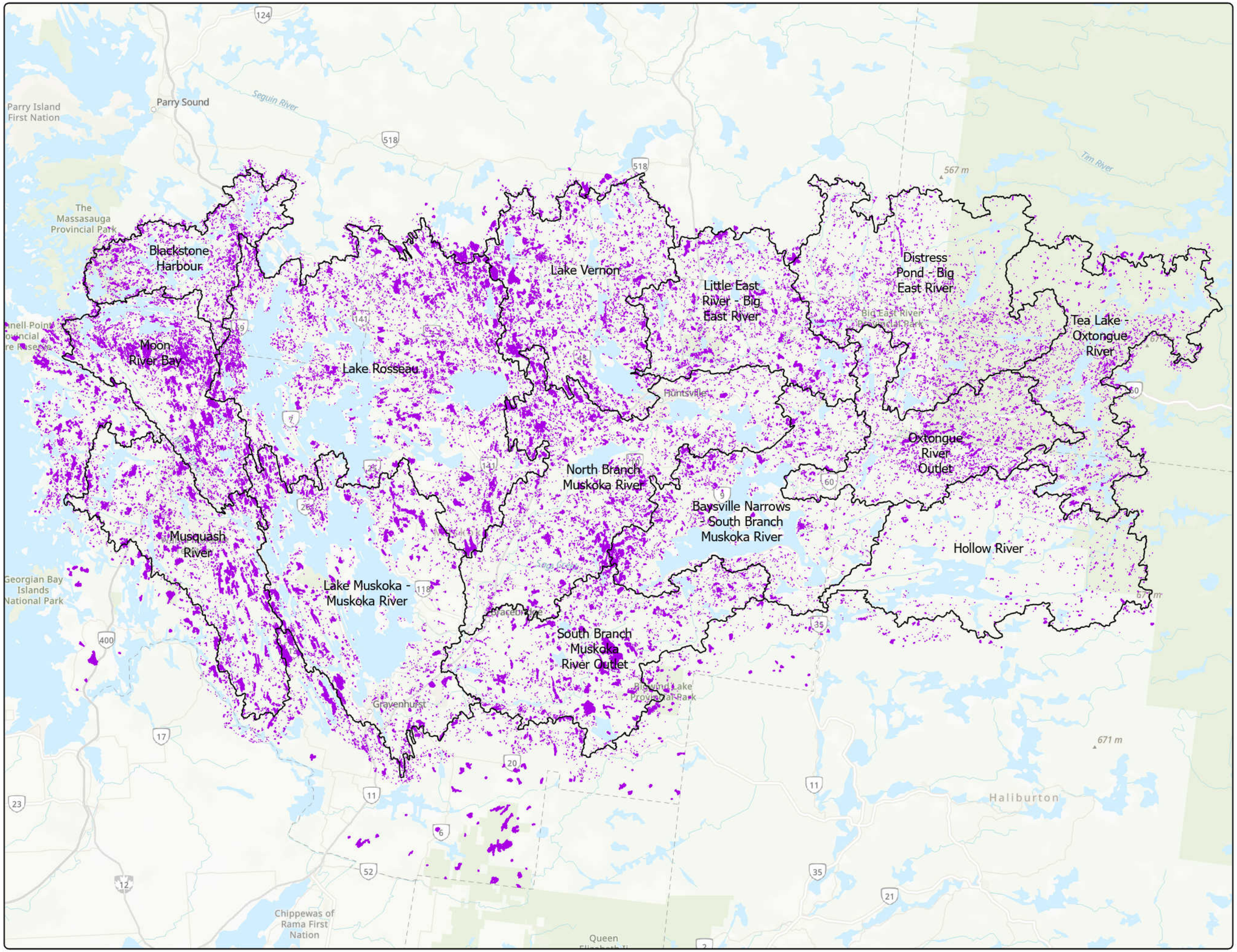
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-19: Bogs

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-20:
Rare Forest Type: Red Spruce

Muskoka River Watershed IWM -
Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour

Moon River Bay

Lake Rosseau

Lake Vernon

Little East River - Big East River

Distress Pond - Big East River

Tea Lake - Oxtongue River

Oxtongue River Outlet

Hollow River

North Branch Muskoka River

Baysville Narrows - South Branch Muskoka River

Musquash River

Lake Muskoka - Muskoka River

South Branch Muskoka River Outlet

Parry Island First Nation

Parry Sound

Seguin River

The Massasauga Provincial Park

Huntsville

Georgian Bay Islands National Park

Bracebridge

Gravenhurst

Rosseau Lake Provincial Park

Haliburton

Chippewas of Rama First Nation

Tim River

567 m

671 m

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

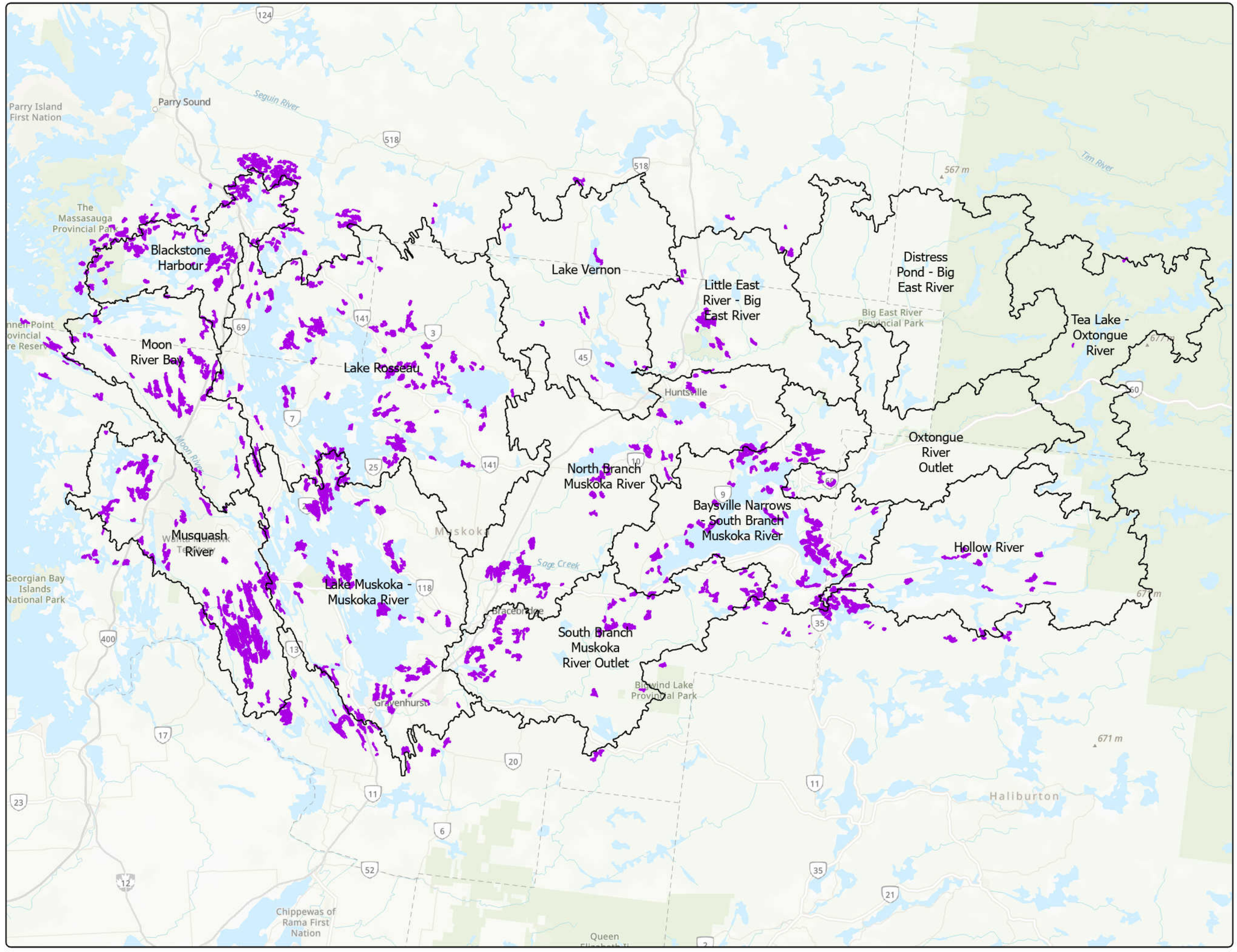
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-21: Rare Forest Type: White Oak

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

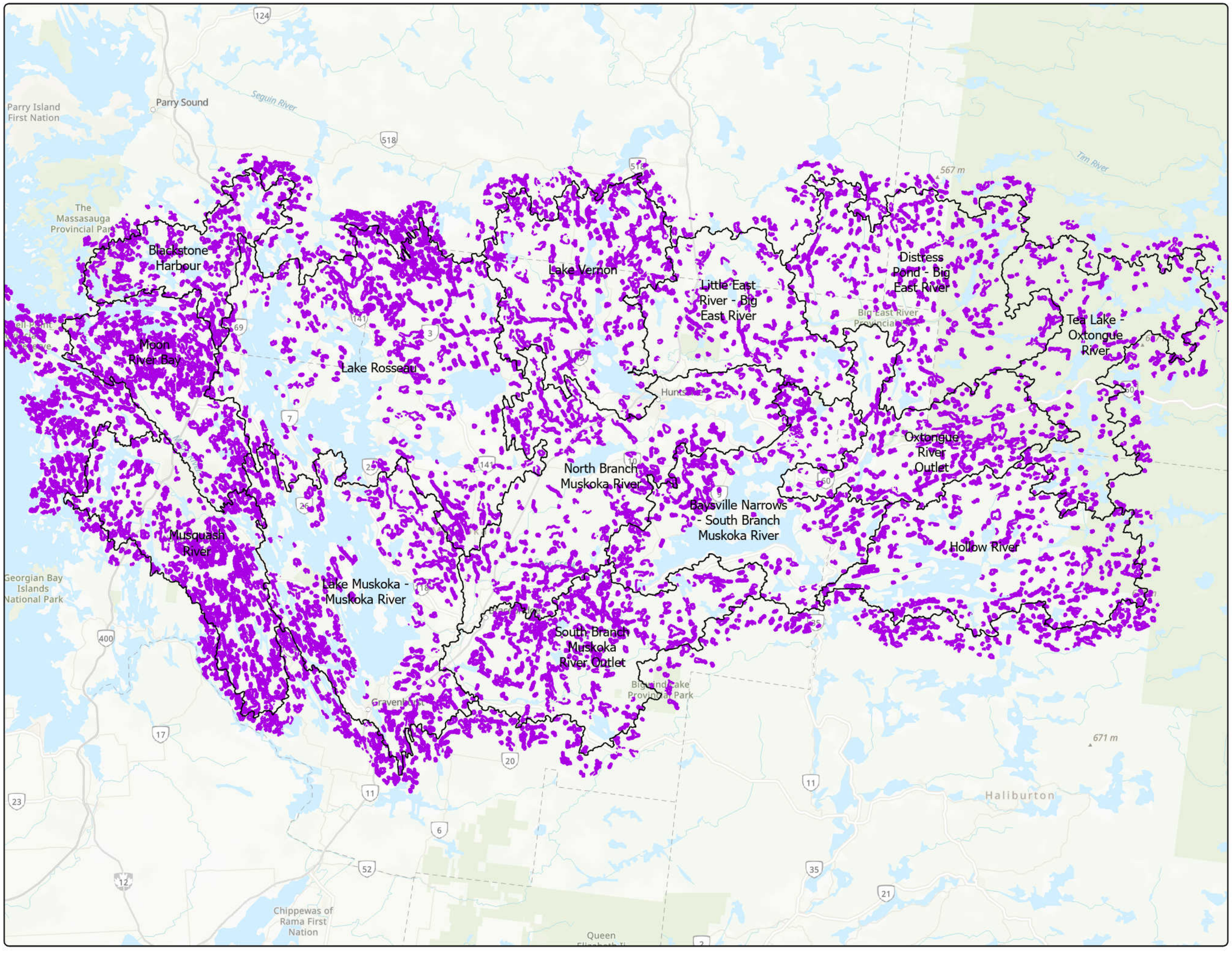
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-22: Waterfowl Nesting Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

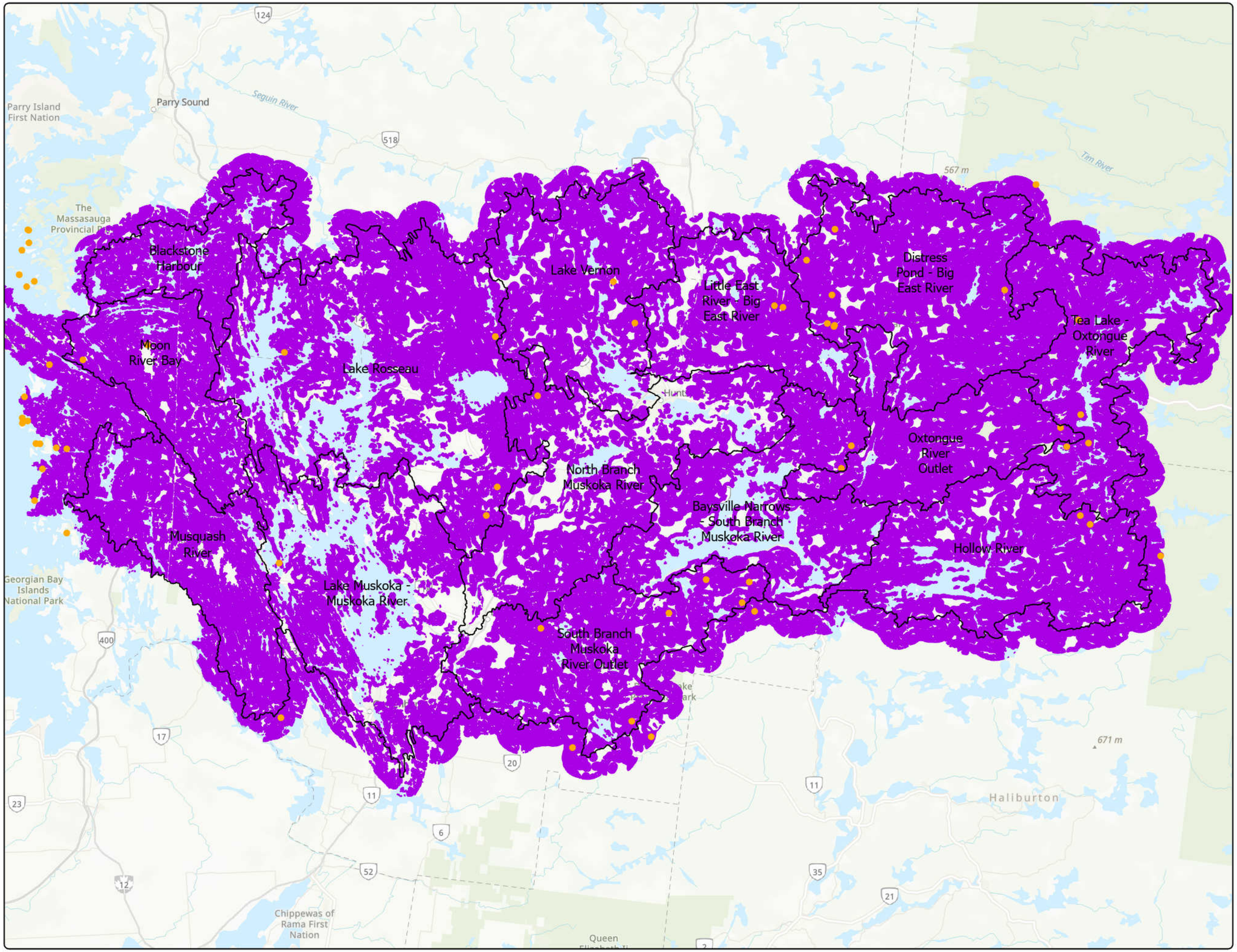
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-23:
Bald Eagle and Osprey Nesting, Foraging and Perching Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

- Candidate
- Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

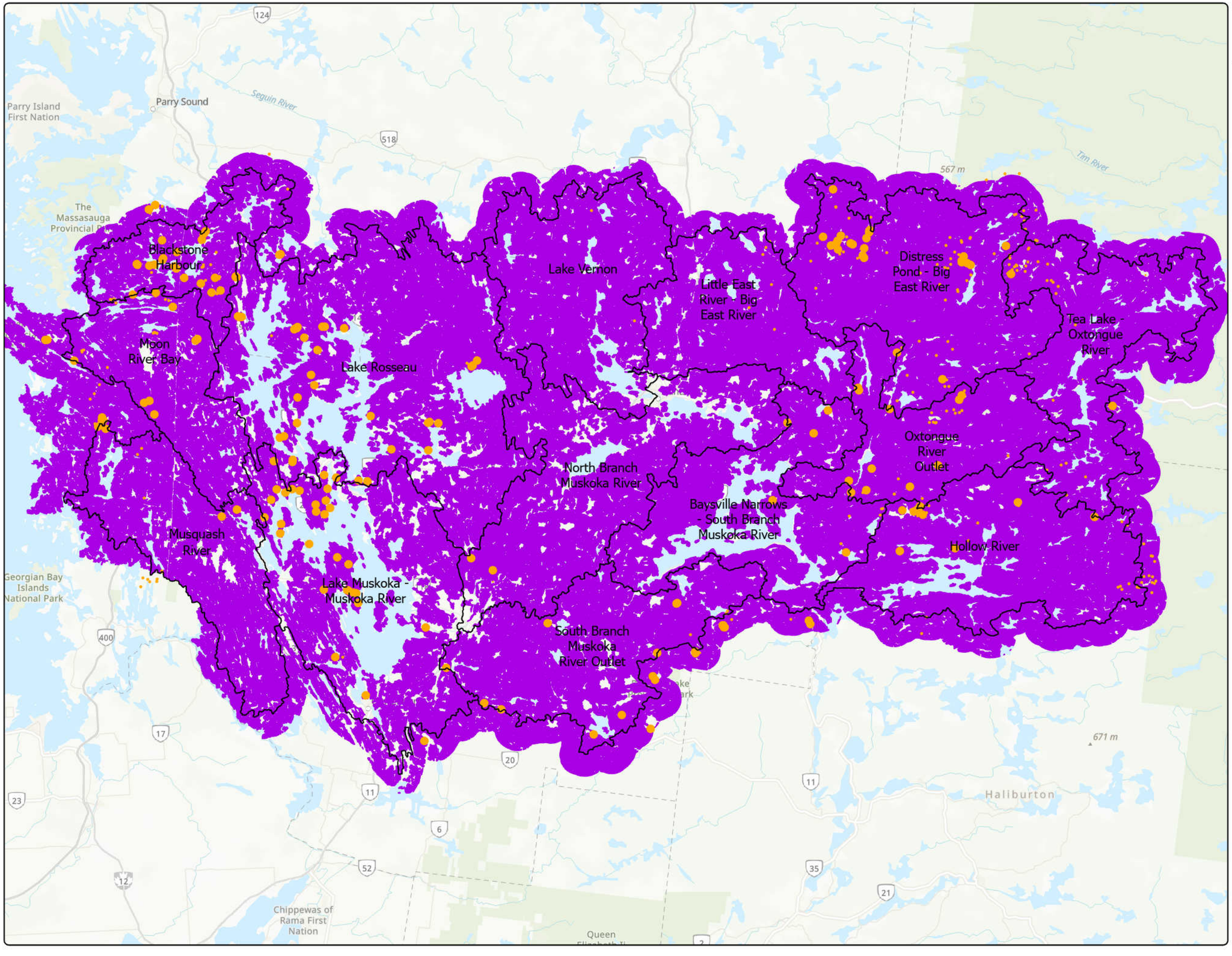
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-24: Woodland Raptor Nesting Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

- Candidate
- Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

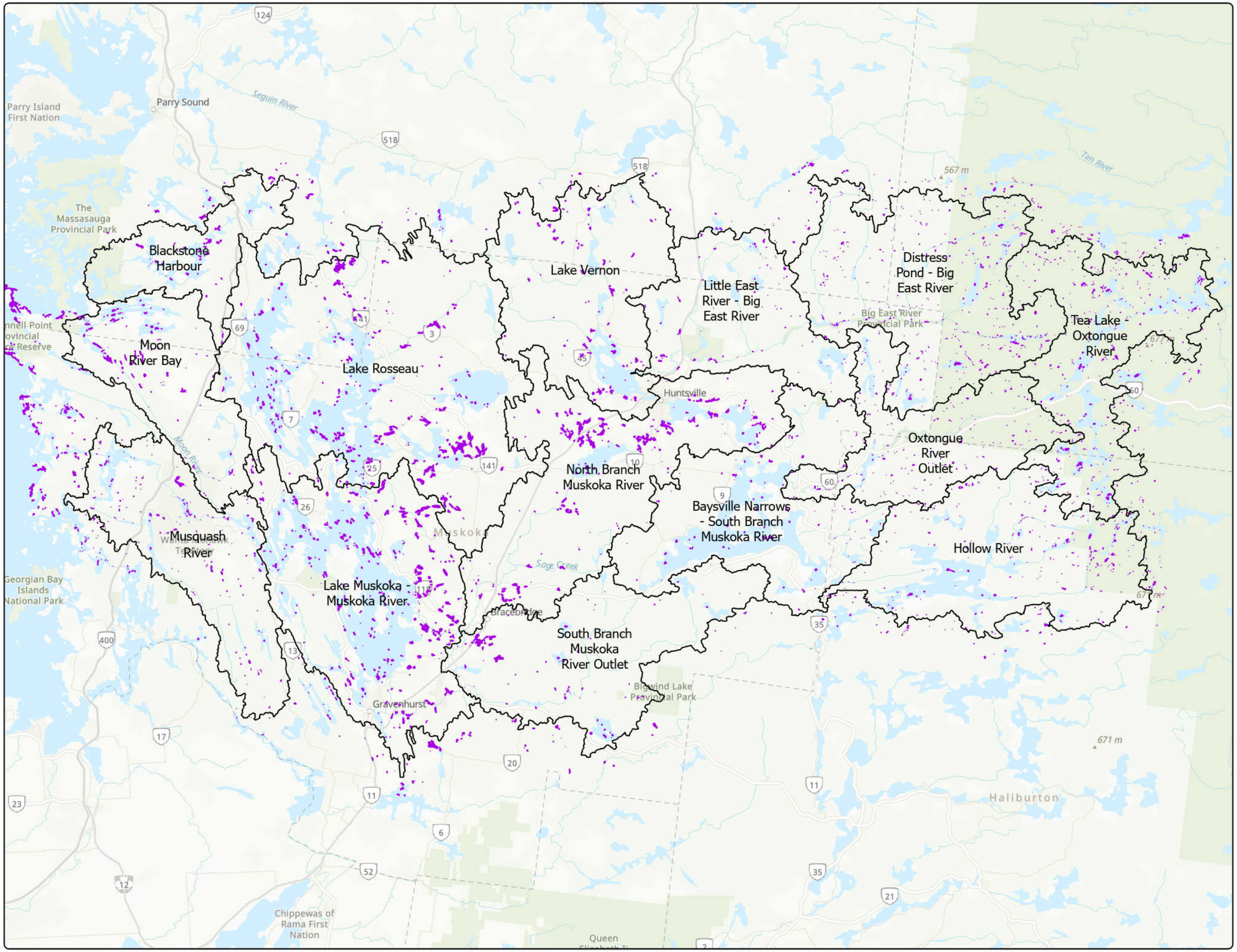
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-25: Turtle Nesting Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

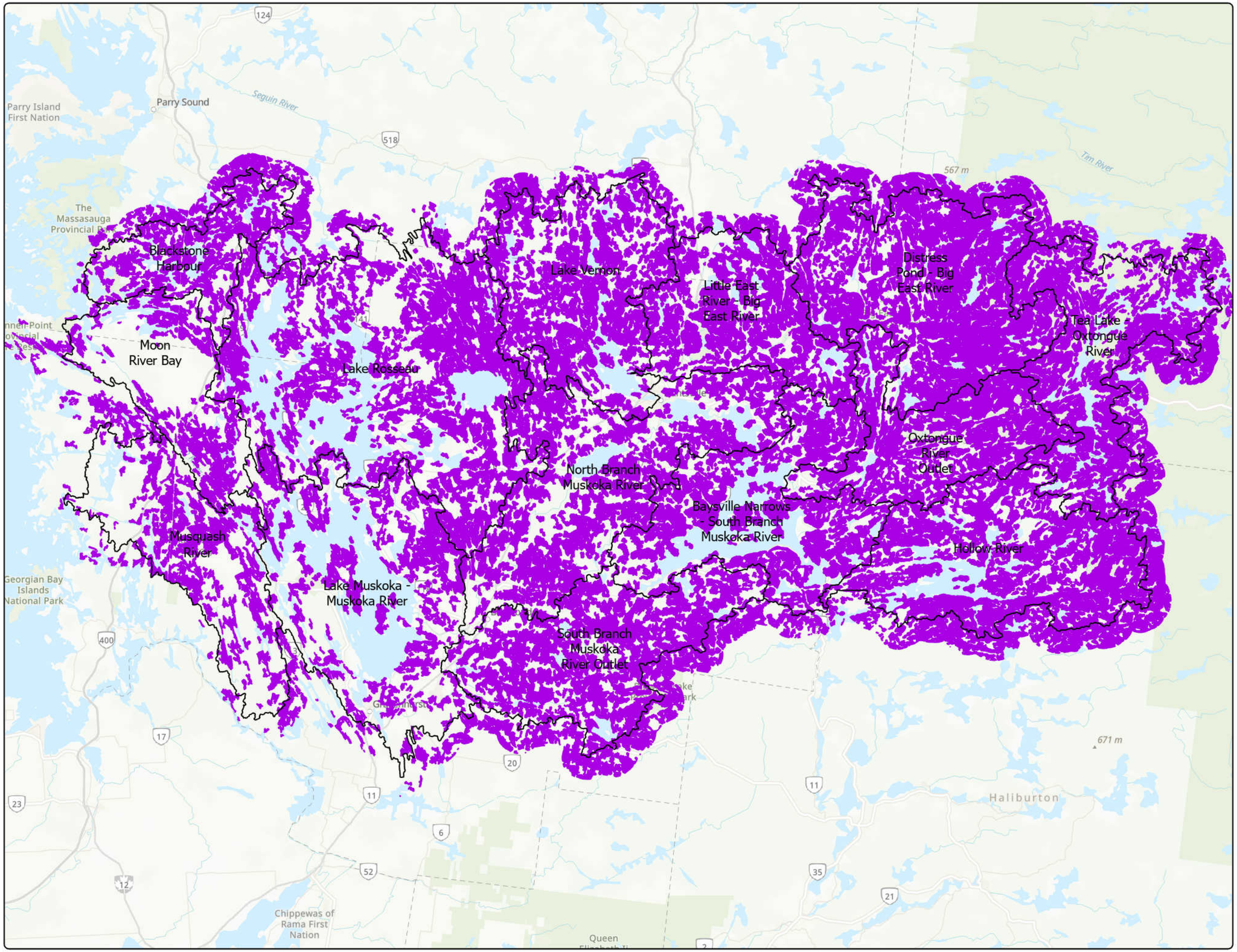
DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-26: Lizard Nesting Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

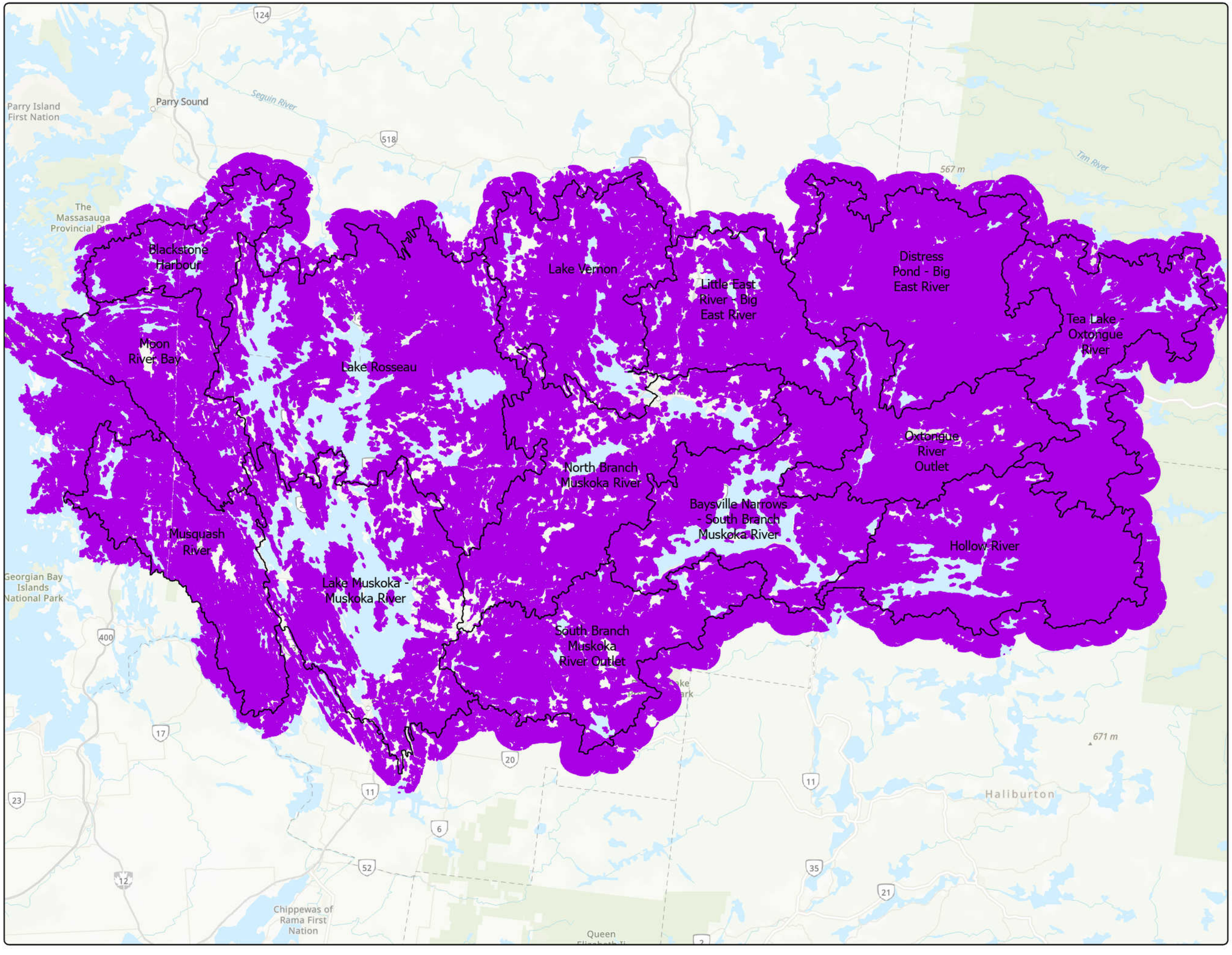
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-27: Seeps and Springs

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

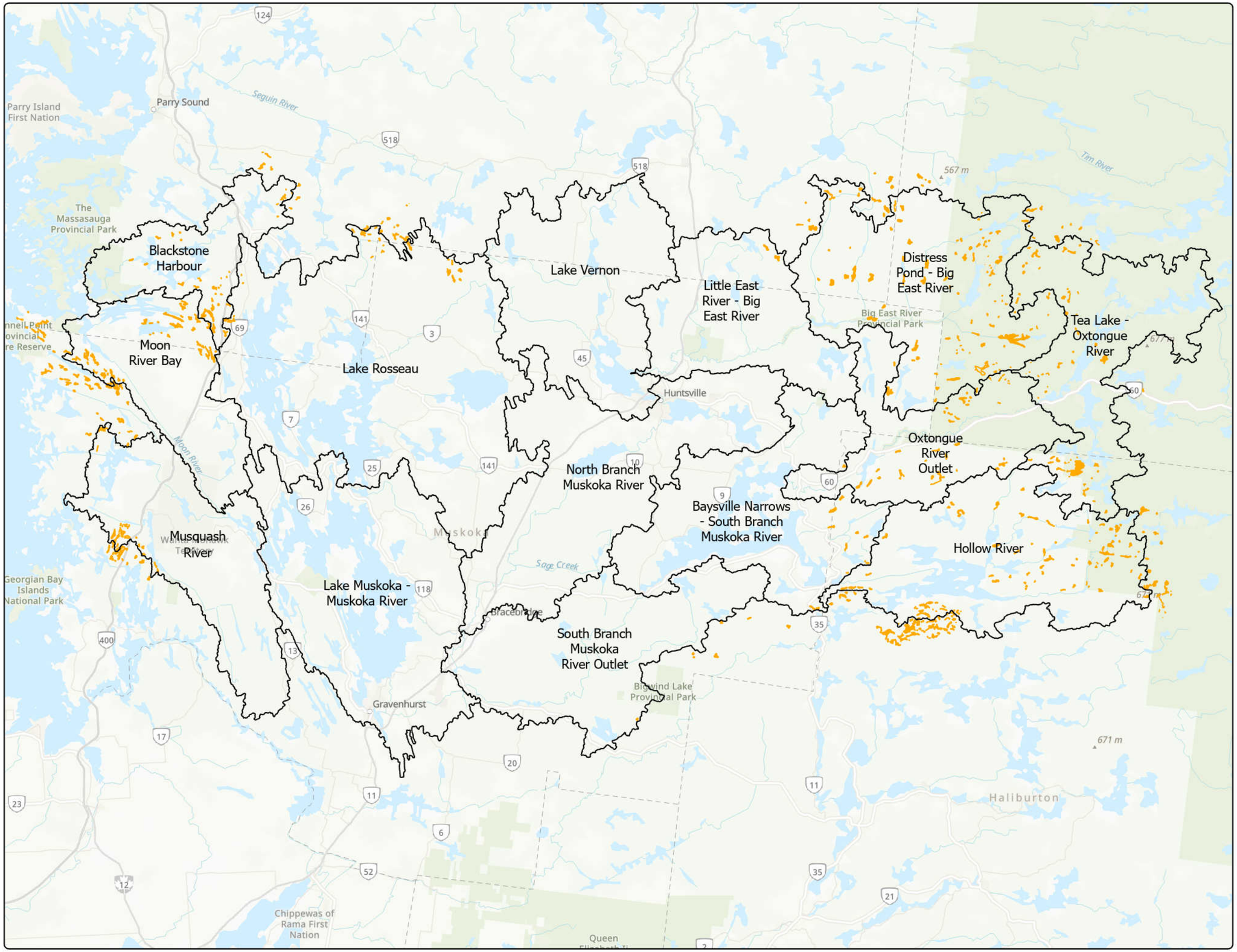
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-28: Aquatic Feeding Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

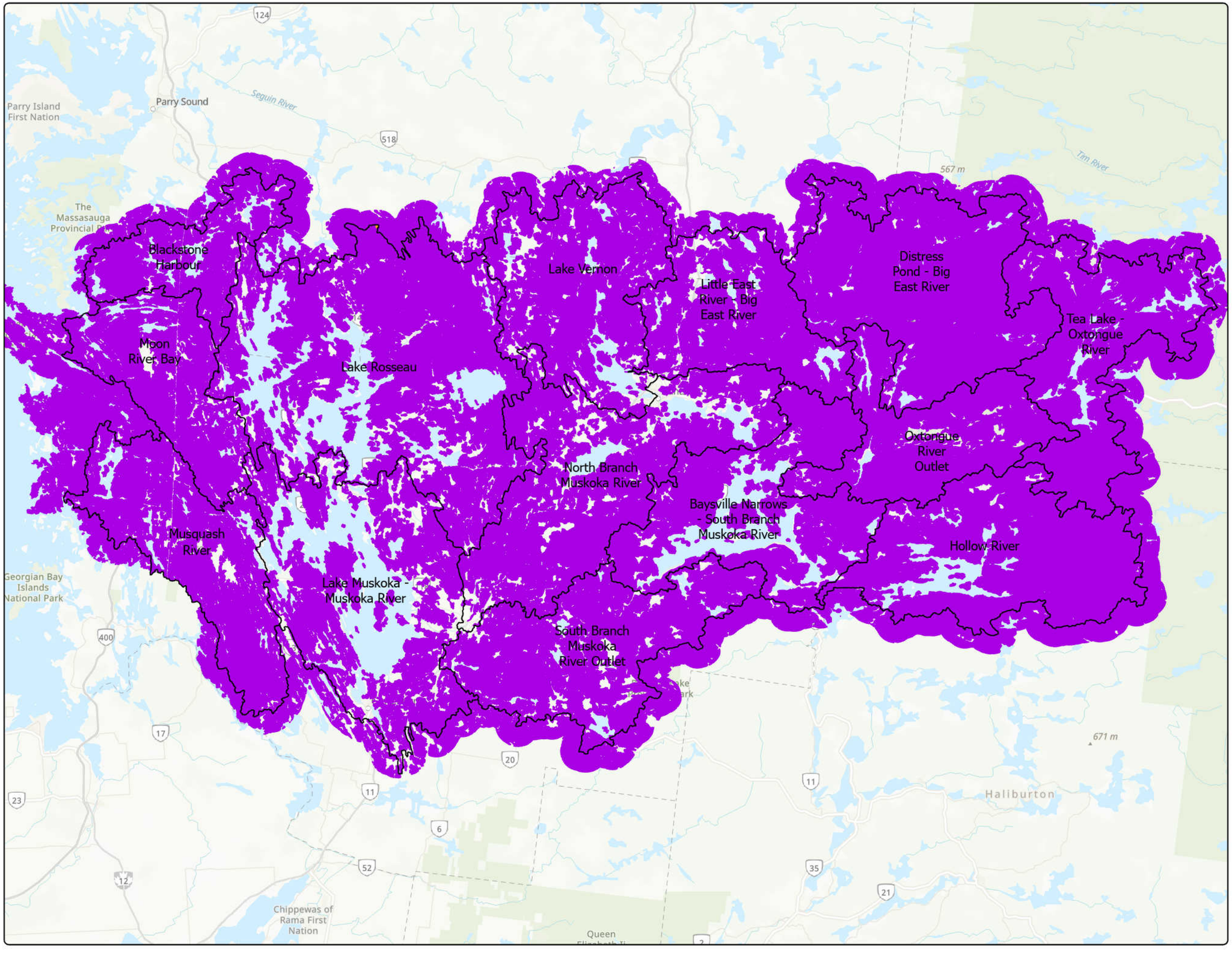
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-29: Mineral Licks

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

- Candidate
- Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

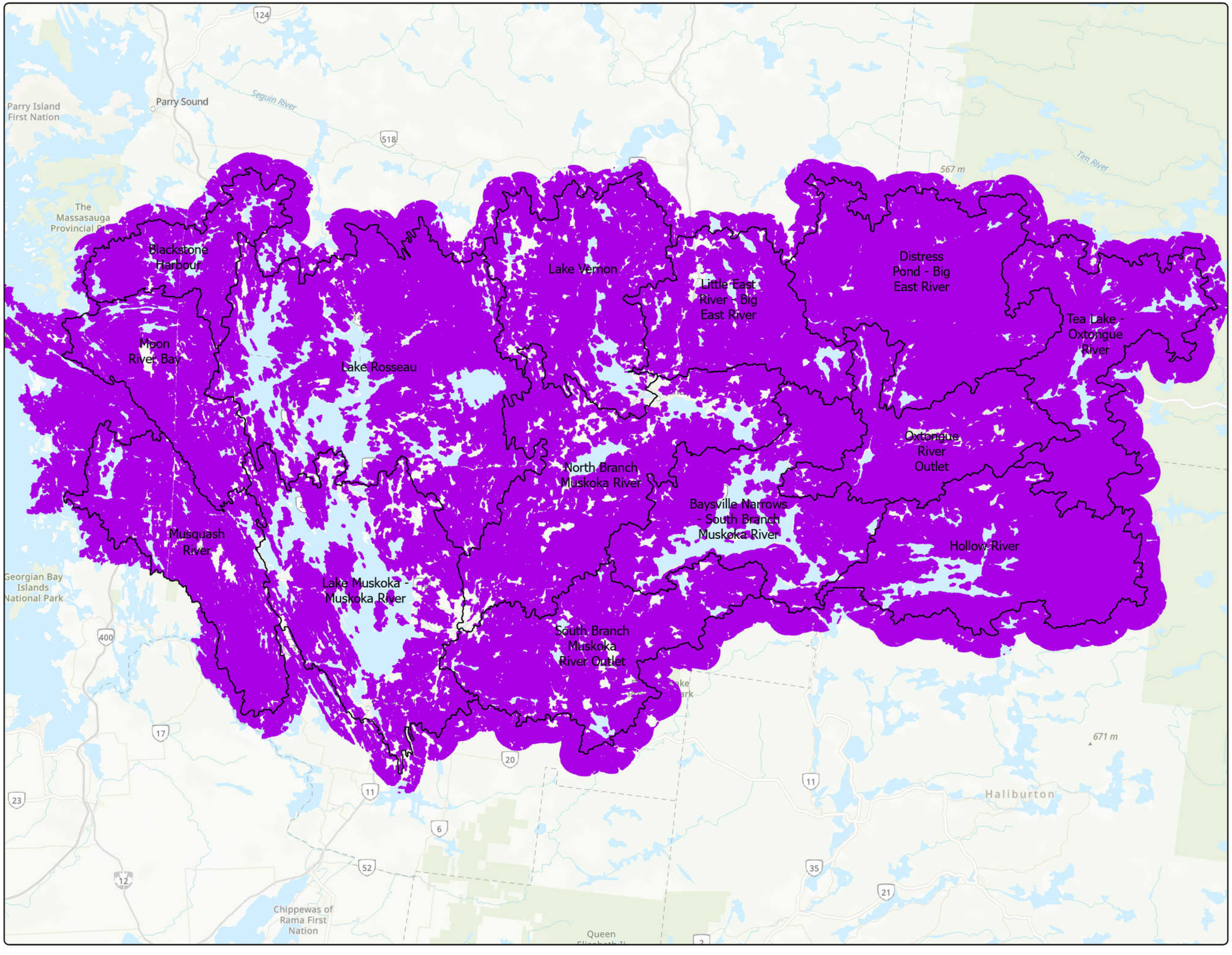
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-30: Denning Sites for Mink, Otter, Marten Fisher and Eastern Wolf

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

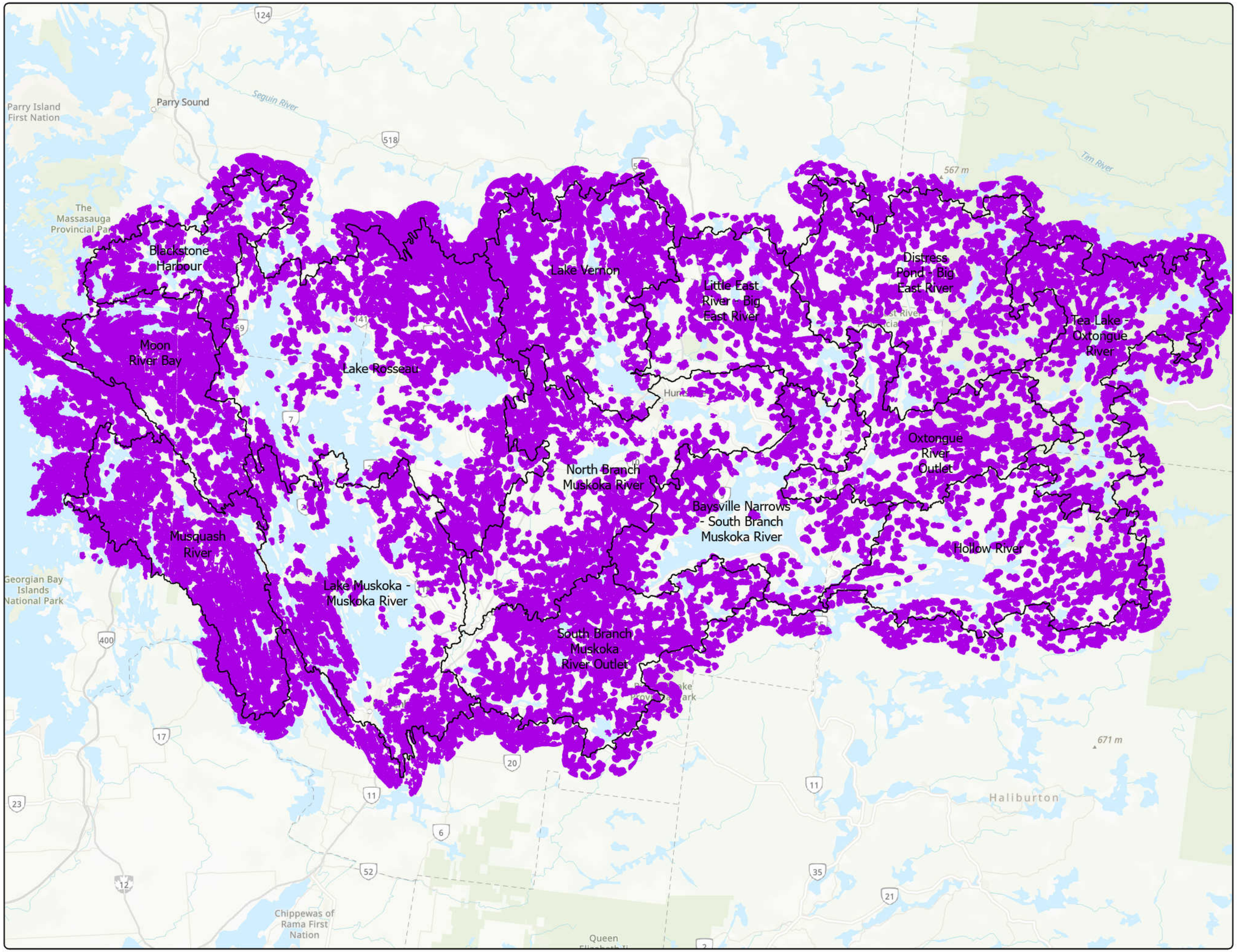
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-31: Amphibian Breeding Habitat (Woodlands)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-32: Amphibian Breeding Habitat (Wetlands)

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour

Moon River Bay

Musquash River

Lake Rosseau

Lake Vernon

Lake Muskoka - Muskoka River

Little East River - Big East River

North Branch Muskoka River

South Branch Muskoka River Outlet

Baysville Narrows - South Branch Muskoka River

Distress Pond - Big East River

Tea Lake - Oxtongue River

Oxtongue River Outlet

Hollow River

Parry Island First Nation

Parry Sound

The Massasauga Provincial Park

Georgian Bay Islands National Park

Chippewas of Rama First Nation

Gravenhurst

Huntsville

Bracebridge

Big East River Provincial Park

Algonquin Provincial Park

Haliburton

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

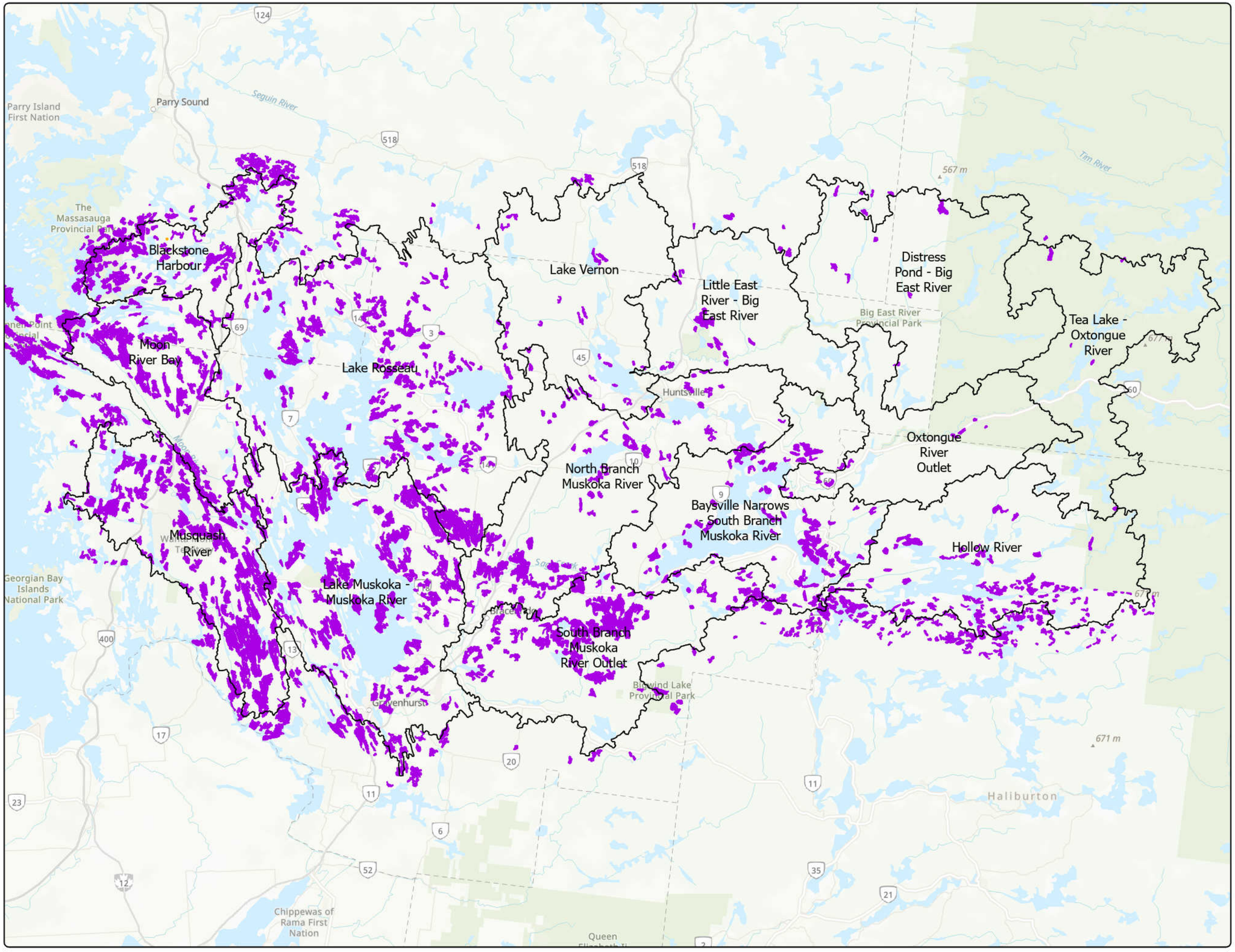
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-33: Mast Producing Areas

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

- Candidate
- Candidate (MNRF Identified)

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

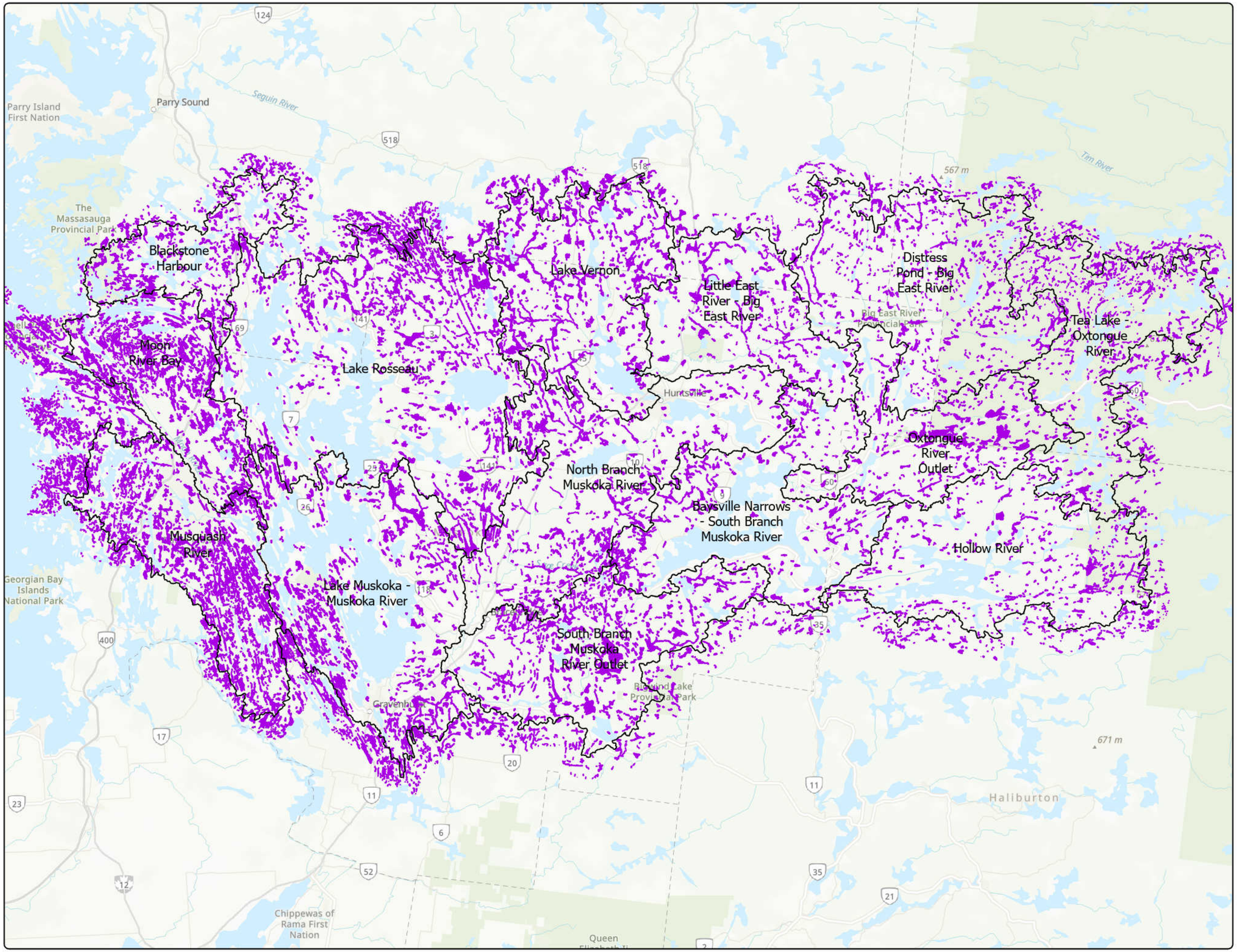
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder



Map 7-34: Marsh Bird Breeding Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-35: Open Country Bird Breeding Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour
Moon River Bay
Musquash River
Lake Rosseau
Lake Vernon
Lake Muskoka - Muskoka River
North Branch Muskoka River
South Branch Muskoka River Outlet
Little East River - Big East River
Baysville Narrows - South Branch Muskoka River
Distress Pond - Big East River
Oxtongue River Outlet
Tea Lake - Oxtongue River
Hollow River

Parry Sound
Parry Island First Nation
The Massasauga Provincial Park
Big East River Provincial Park
Huntsville
Gravenhurst
Bracebridge
Sage Creek
Bigwind Lake Provincial Park
Georgian Bay Islands National Park
Chippewas of Rama First Nation
Haliburton

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Sauder

Map 7-36: Shrub/ Early Successional Bird Breeding Habitat

Muskoka River Watershed IWM - Natural Capital Inventory

Significant Wildlife Habitat

Status

Candidate

Quaternary Watersheds

Blackstone Harbour

Moon River Bay

Lake Rosseau

Lake Vernon

Little East River - Big East River

Distress Pond - Big East River

Tea Lake - Oxtongue River

Oxtongue River Outlet

North Branch Muskoka River

Baysville Narrows - South Branch Muskoka River

Hollow River

Musquash River

Lake Muskoka - Muskoka River

South Branch Muskoka River Outlet

Parry Island First Nation

Parry Sound

The Massasauga Provincial Park

Big East River Provincial Park

Huntsville

Georgian Bay Islands National Park

Bracebridge

Gravenhurst

Bigwind Lake Provincial Park

Haliburton

Chippewas of Rama First Nation

0 3,750 7,500 15,000

Metres

1:395,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

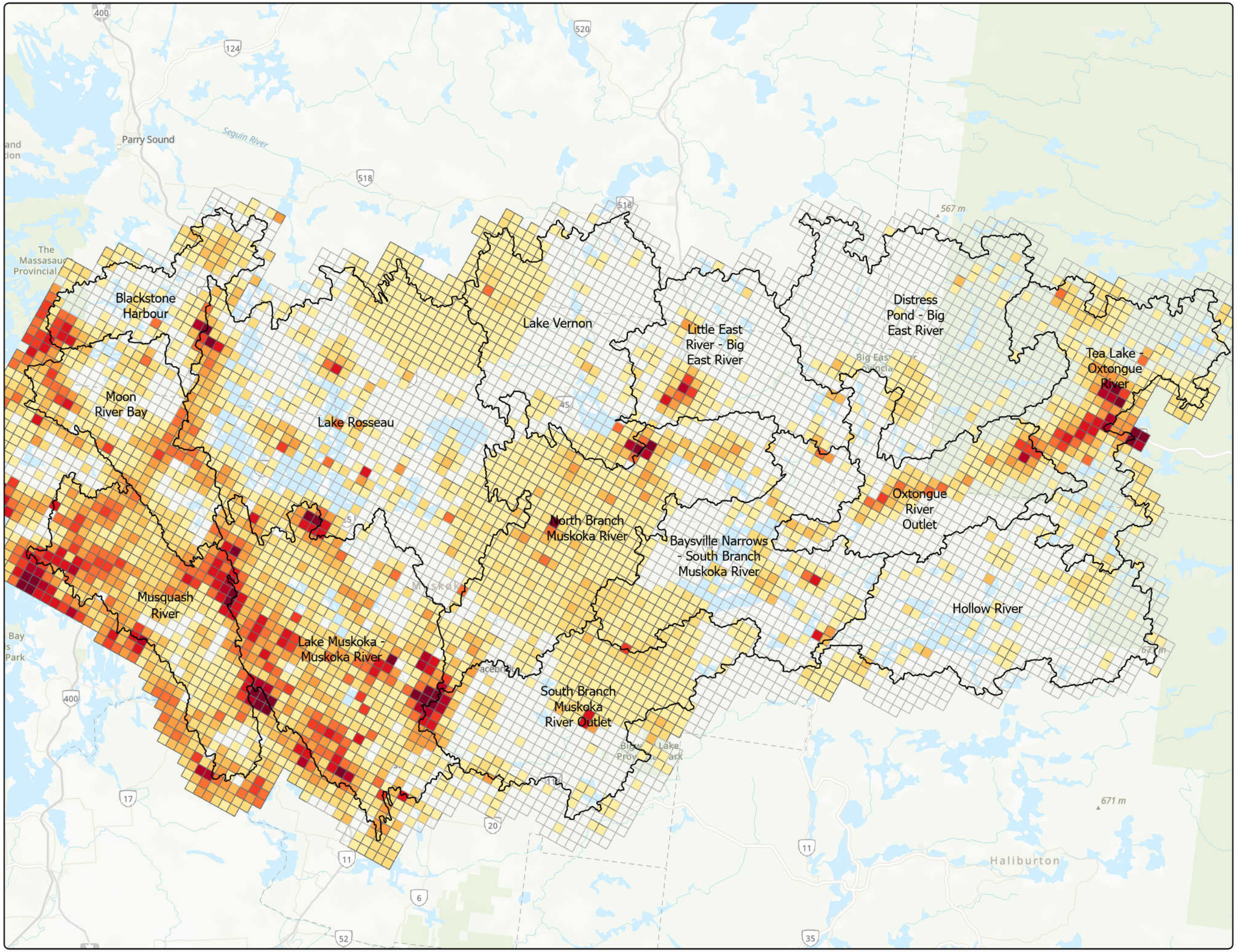
3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

PROJECT: DA21-086-01

CLIENT: District of Muskoka

DATE: 16, December 2022

DRAWN BY: J. Lacsamana / J. Sauder



Map 7-37: Special Concern and Rare Wildlife Species

Muskoka River Watershed IWM - Natural Capital Inventory

# of Special Concern and Rare Wildlife Species (S1-S3, SH)

- 0
- 1
- 2
- 2
- 4
- 5
- 6
- 7-8
- 9-10
- 10+
- Quaternary Watersheds

0 3,500 7,000 14,000

Metres

1:380,000

North American 1983 CSRS UTM Zone 17N

Basemap Source: Province of Ontario, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by King's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

DOUGAN & ASSOCIATES
ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N8
T 519.822.1609 F 519.822.5389 www.dougan.ca

Appendix G-2

Significant Wildlife Habitat Assessment Criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Seasonal Concentration Areas of Animals		
SWH Category (MNRF, 2015)	Candidate SWH (MNRF, 2015)	GIS Layers and Criteria
Waterfowl Stopover and Staging Areas (Terrestrial) **Rationale: Habitat important to migrating waterfowl.**	Fields with sheet water during Spring (mid March to May). · Fields flooding during spring melt and run-off provide important invertebrate foraging habitat for migrating waterfowl. · Agricultural fields with waste grains are commonly used by waterfowl, these are not considered SWH unless they have spring sheet water available Information Sources · Anecdotal information from the landowner, adjacent landowners or local naturalist clubs may be good information in determining occurrence. · Sites documented through waterfowl planning processes · Field Naturalist Clubs · Ducks Unlimited Canada · Natural Heritage Information Centre (NHIC) Waterfowl Concentration Area	Candidate habitat was mapped where the Forest Resource Inventory (FRI) Ecosite equaled: G060-062, G077-079, G093-095, G109-111.
Waterfowl Stopover and Staging Areas (Aquatic) **Rationale; Important for local and migrant waterfowl populations during the spring or fall migration or both periods combined. Sites identified are usually only one of a few in the eco-district.**	· Ponds, marshes, lakes, bays, coastal inlets, and watercourses used during migration. Sewage treatment ponds and storm water ponds do not qualify as a SWH, however a reservoir managed as a large wetland or pond/lake does qualify. · These habitats have an abundant food supply (mostly aquatic invertebrates and vegetation in shallow water); Information Sources · Environment Canada. · Field Naturalist clubs often are aware of staging/stopover areas. · OMNRF Wetland Evaluations indicate presence of locally and regionally significant waterfowl staging. · Sites documented through waterfowl planning processes · Ducks Unlimited projects · Element occurrence specification by Nature Serve: http://www.natureserve.org · Natural Heritage Information Centre (NHIC) Waterfowl Concentration Area	Candidate habitat was mapped where the FRI Ecosite equaled: G142-G152.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Shorebird Migratory Stopover Area **Rationale; High quality shorebird stopover habitat is extremely rare and typically has a long history of use.**	· Shorelines of lakes, rivers and wetlands, including beach areas, bars and seasonally flooded, muddy and un-vegetated shoreline habitats. · Great Lakes coastal shorelines, including groynes and other forms of armour rock lakeshores, are extremely important for migratory shorebirds in May to mid-June and early July to October.· Sewage treatment ponds and storm water ponds do not qualify as a SWH. Information Sources · Western hemisphere shorebird reserve network. · Canadian Wildlife Service (CWS) Ontario Shorebird Survey. · Bird Studies Canada · Ontario Nature · Local birders and field naturalist clubs · Natural Heritage Information Center (NHIC) Shorebird Migratory Concentration Area	Candidate habitat was mapped where the FRI Ecosite equaled: G005-G006, G160-G162, G170-G172, G176-G178, G186-G188, G204-G214.
Raptor Wintering Area **Rationale:** **Sites used by multiple species, a high number of individuals and used annually are most significant**	· The habitat provides a combination of fields and woodlands that provide roosting, foraging and resting habitats for wintering raptors. · Raptor wintering sites need to be > 20 ha with a combination of forest and upland. · Least disturbed sites, idle/fallow or lightly grazed field/meadow (>15ha) with adjacent woodlands · Field area of the habitat is to be wind swept with limited snow depth or accumulation. Information Sources: · OMNRF Ecologist or Biologist · Field Naturalist clubs · Natural Heritage Information Center (NHIC) Raptor Winter Concentration Area · Data from Bird Studies Canada, most notably for Short-eared Owls. · Results of Christmas Bird Counts	Meadow/field habitat was mapped where the FRI Ecosite equaled: G020-022, G029-032, G044-047, G060-063, G077-080, G093-096, G109-112. Forest habitat was mapped where the FRI Ecosite equaled: G011-G019, G023-G028, G033-G043, G048-G059, G064-G076, G081-G092, G097- G108, G113-G125. Forest features were clipped to include 100m threshold distance from meadow/field features. The clipped forest and meadow/field habitats were merged and dissolved to calculate if the combined patch was >20ha. Features less than 20ha were removed. Features with <15ha of meadow/field habitat were also removed. The remaining features were mapped as candidate habitat.
Bat Hibernacula **Rationale:**	· Hibernacula may be found in caves, mine shafts, underground foundations and Karsts. · Active mine sites are not SWH.	Candidate habitat was mapped where the FRI Ecosite equaled: G158-G159, G164, G180-G181.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Bat hibernacula are rare habitats in all Ontario landscapes.	· The locations of bat hibernacula are relatively poorly known. Information Sources · OMNRF for possible locations and contact for local experts · Natural Heritage Information Center (NHIC) Bat Hibernaculum · Ministry of Northern Development and Mines for location of mine shafts. · Clubs that explore caves (eg. Sierra Club) · University Biology Departments with bat experts · Clubs that explore caves (eg. Sierra Club) · University Biology Departments with bat experts.	
Bat Maternity Colonies **Rationale: Known locations of forested bat maternity colonies is extremely rare in all Ontario landscapes.**	· Maternity colonies can be found in tree cavities, vegetation and often in buildings (buildings are not considered to be SWH). · Maternity roosts are not found in caves and mines in Ontario · Maternity colonies located in Mature (dominant trees > 80yrs old) deciduous or mixed forest stands with >10/ha large diameter (>25cm dbh) wildlife trees · Female Bats prefer wildlife trees (snags) in early stages of decay, class 1-3 ccxiv or class 1 or 2 ccxii. · Silver-haired Bats prefer older mixed or deciduous forest and form maternity colonies in tree cavities and small hollows. Older forest areas with at least 21 snags/ha are preferred Information Sources · OMNRF for possible locations and contact for local experts · University Biology Departments with bat experts.	Candidate habitat was mapped where the FRI Ecosite equaled: G016-G019, G028, G040-G043, G055-G059, G070-G076, G088-G092, G103- G108, G118-G125.
Turtle Wintering Areas **Rationale: Generally sites are the only known sites in the area. Sites with the highest number of individuals are most significant.**	· For most turtles, wintering areas are in the same general area as their core habitat. Water has to be deep enough not to freeze and have soft mud substrates. · Over-wintering sites are permanent water bodies, large wetlands, and bogs or fens with adequate Dissolved Oxygen · Man-made ponds such as sewage lagoons or storm water ponds should not be considered SWH. Information Sources · Local naturalists and experts, as well as university herpetologists may also know where to find some of these sites. · OMNRF Ecologist or Biologist · Field Naturalist clubs · Natural Heritage Information Center (NHIC)	Candidate habitat was mapped where the FRI Ecosite equaled: G128-G135, G140-G152.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Reptile Hibernaculum **Rationale: Generally sites are the only known sites in the area. Sites with the highest number of individuals are most significant.**	· For snakes, hibernation takes place in sites located below frost lines in burrows, rock crevices and other natural or naturalized locations. The existence of features that go below frost line; such as rock piles or slopes, old stone fences, and abandoned crumbling foundations assist in identifying candidate SWH. · Areas of broken and fissured rock are particularly valuable since they provide access to subterranean sites below the frost line. · Wetlands can also be important over-wintering habitat in conifer or shrub swamps and swales, poor fens, or depressions in bedrock terrain with sparse trees or shrubs with sphagnum moss or sedge hummock ground cover. · Five-lined skink prefer mixed forests with rock outcrop openings providing cover rock overlaying granite bedrock with fissures cciii. Information Sources · In spring, local residents or landowners may have observed the emergence of snakes on their property (e.g.old dug wells). · Reports and other information available from Conservation Authorities. · Field Naturalists clubs · University herpetologists · Natural Heritage Information Center (NHIC) · OMNRF ecologist or biologist may be aware of locations of wintering skinks	Candidate habitat was mapped where the FRI Ecosite equaled: G056-G059, G070-G076, G087-G092, G103-G108, G118-G125.
Colonially - Nesting Bird Breeding Habitat (Bank and Cliff) **Rationale; Historical use and number of nests in a colony make this habitat significant. An identified colony can be very important to local populations. All swallow population are declining in Ontario.**	· Any site or areas with exposed soil banks, sandy hills, borrow pits, steep slopes, and sand piles that are undisturbed or naturally eroding that is not a licensed/permitted aggregate area. · Does not include man-made structures (bridges or buildings) or recently (2 years) disturbed soil areas, such as berms, embankments, soil or aggregate stockpiles. · Does not include a licensed/permitted Mineral Aggregate Operation. Information Sources · Ontario Breeding Bird Atlas. · Bird Studies Canada; Nature Counts http://www.birdscanada.org/bird mon/ · Field Naturalist Clubs.	Candidate habitat was mapped where the FRI Ecosite equaled: G001-G004, G007-G008, G020-G021, G029-G031, G044-G046, G060-G062, G077-G079, G093-G095, G109-G111, G173-G175, G201-G203, G210-G212.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Colonially - Nesting Bird Breeding Habitat (Tree/Shrubs) **Rationale;** **Large colonies are important to local bird population, typically sites are only known colony in area and are used annually.**	· Nests in live or dead standing trees in wetlands, lakes, islands, and peninsulas. Shrubs and occasionally emergent vegetation may also be used. · Most nests in trees are 11 to 15 m from ground, near the top of the tree. Information Sources · Breeding Bird Atlas, colonial nest records. · Ontario Heronry Inventory 1991 available from Bird Studies Canada or NHIC (OMNRF). · Aerial photographs can help identify large heronries. · MNRF District Offices. · Field Naturalist clubs.	Candidate habitat was mapped where the FRI Ecosite equaled: G064-G076, G081-G092, G097-G108, G113-G125, G128-G136. The MNRF Heron nests/colonies were buffered by 300m. These areas were added to the candidate habitat.
Colonially - Nesting Bird Breeding Habitat (Ground) **Rationale; Colonies are important to local bird population, typically sites are only known colony in area and are used annually.**	Nesting colonies of gulls and terns are on islands or peninsulas (natural or artificial) associated with open water, marshy areas, lake or large river (two-lined on a 1;50,000 NTS map). · Brewers Blackbird colonies are found loosely on the ground in or in low bushes in close proximity to streams and irrigation ditches within farmlands. Information Sources · Ontario Breeding Bird Atlas , rare/colonial species records. · Canadian Wildlife Service · Reports and other information available from CAs. · Natural Heritage Information Center (NHIC) Colonial Waterbird Nesting Area · MNRF District Offices. · Field Naturalist clubs.	Candidate habitat was mapped where the FRI Ecosite equaled: G001-G004, G007-G008, G020-G021, G029-G031, G044-G046, G060-G062, G077-G079, G093-G095, G109-G111, G142-G145.

Deer Yarding Areas Rationale: Winter habitat for deer is considered to be the main limiting factor for northern deer populations. In winter, deer congregate in "yards" to survive severe winter conditions normally encountered. Sites typically have a long history of annual use by deer. Sites identified are typically the only known sites in the area.	· Deer wintering areas or winter concentration areas (yards) are areas deer move to in response to the onset of winter snow and cold. This is a behavioural response and deer will establish traditional use areas. The yard is composed of two areas referred to as Stratum I and Stratum II. Stratum II covers the entire winter yard area and is usually a mixed or deciduous forest with plenty of browse available for food. Agricultural lands can also be included in this area. Deer move to these areas in early winter and generally, when snow depths reach 20 cm, most of the deer will have moved here. If the snow is light and fluffy, deer may continue to use this area until 30 cm snow depth. In mild winters, deer may remain in the Stratum II area the entire winter. · The Core of a deer yard (Stratum I) is located within Stratum II and is critical for deer survival in areas where winters become severe. It is primarily composed of coniferous trees (pine, hemlock, cedar, spruce) with a canopy cover of more than 60%. · OMNRF determines deer yards following methods outlined in "Selected Wildlife and Habitat Features: Inventory Manual" · Woodlots with high densities of deer due to artificial feeding are not significant.	Candidate habitat was mapped where the FRI Ecosite equaled: G12-G15, G23-G27, G33-G38, G48-G54, G64-G69, G81-G87, G97-G103, G113-G118, G128-G129. Candidate habitat was then merged with the MNRF identified deer yarding areas.
Rare Vegetation Communities		
SWH Category	Candidate SWH Habitat Description and Sources	GIS Layers Used to Map
Beach/ Beach Ridge/ Bar/ Sand Dunes Rationale; Uncommon to rare in Ecoregion, some of the best examples are in the North Channel (e.g. Mississagi River delta).	Vegetation can vary from patchy and barren to tree cover but less than 60%. Characterised by unstable sand. Any identified beach, beach ridge, or sand dune. Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs	Candidate habitat was mapped where the FRI Ecosite equaled: G005-G006, G166-G168, G182-G184, G213-G214.
Shallow Atlantic Coastal Marsh Rationale: Provincially rare communities almost entirely restricted to Eco- region 5E.	Shallow marsh occurs on shallow mineral (sand) or mineral organic (sandy peat) shoreline subject to low wave energy, on inland lakes and beaver ponds particularly those that experience fluctuating water levels from year to year (i.e. some years with exposed shorelines in	Candidate habitat was mapped where the FRI Ecosite equaled: G143-G145, G148-G152.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

	summer/fall). Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs · Nature Serve Canada	
Cliffs and Talus Slopes **Rationale;** **Uncommon to rare in Ecoregion 5E, Calcium rich, marble cliffs are a much rarer feature.**	Cliffs and talus slopes in 5E are primarily Precambrian rock and are typically sparsely vegetated. Any cliff or talus slope. Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs	Candidate habitat was mapped where the FRI Ecosite equaled: G158-G159, G166-G168, G173, G175, G182-G184, G201-G203.
Rock Barren **Precambrian Rock Barren** **Rationale; Uncommon to rare in Ecoregion,**	Vegetation can vary from patchy and barren to tree cover but less than 60%. Rock barrens are characterized by extensive areas of exposed granitic rock bedrock sparsely vegetated. Any rock barren area greater than 1 ha. Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs · County soil maps will show these as bedrock with sparse soil map units.	Candidate habitat was mapped where the FRI Ecosite equaled: G163-G165, G179-G181.
Sand Barren **Rationale; Uncommon to rare in Ecoregion**	Sand barrens typically are exposed sand, generally sparsely vegetated and caused by lack of moisture, periodic fires and erosion. They have little or no soil and the underlying rock protrudes through the surface. Usually located within other types of natural habitat such as forest or savannah. Vegetation can vary from patchy and barren to tree covered but less than 60%. Any sand barren area, no minimum size. Information Sources · OMNRF Planner, Forester, Ecologist or Biologist may be aware of locations. · Field Naturalist clubs	Candidate habitat was mapped where the FRI Ecosite equaled: G007, G215.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Alvar Rationale; Alvars are extremely rare habitats in Ecoregion 5E. Most alvars in Ontario are in Ecoregions 6E and 7E. Alvars in 5E are small and highly localized just north of the Palaeozoic-Precambrian contact.	An alvar is typically a level, mostly unfractured calcareous bedrock feature with a mosaic of rock pavements and bedrock overlain by a thin veneer of soil. The hydrology of alvars may be complex, with alternating periods of inundation and drought. Vegetation cover varies from sparse lichen-moss associations to grasslands and shrublands and comprising a number of characteristic or indicator plant. Undisturbed alvars can be phyto- and zoogeographically diverse, supporting many uncommon or are relict plant and animals species. Vegetation cover varies from patchy to barren with a less than 60% tree cover An Alvar site > 0.5 ha in size Information Sources · Alvars of Ontario (2000), Federation of Ontario Naturalists. · Ontario Nature – Conserving Great Lakes Alvars . Natural Heritage Information Centre (NHIC) has information available on their website. · OMNRF Districts. · Field Naturalist clubs.	No candidate habitat was mapped.
Old Growth Forest Rationale; Due to historic logging practices, extensive old growth forest is rare in the Ecoregion. Interior habitat provided by old growth forests is required by many wildlife species.	Old Growth forests are characterized by exhibiting the greatest number of old-growth characteristics, such as mature forest with large trees that has been undisturbed. Heavy mortality or turnover of over- storey trees resulting in a mosaic of gaps that encourage development of a multi-layered canopy and an abundance of snags and downed woody debris. Stands 30 ha or greater in size or with at least 10 ha interior habitat assuming 100 m buffer at edge of forest Information Sources · OMNRF Forest Resource Inventory mapping · OMNRF Districts. · Field Naturalist clubs . Sustainable Forestry Licence (SFL) companies will possibly know locations through field operations.	Forest habitat was mapped where the FRI Ecosite equaled: G011-G15, G017-G018, G023, G027, G033, G036, G039-G042, G048, G051, G054-G058, G064, G066, G069, G071-G075, G081, G084, G087, G089-G091, G103, G105-G107, G113, G115, G118, G120-G124. Candidate habitat was mapped where forest features were >30ha with >10ha interior habitat and an age of >=140 years.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Bog **Rationale:** **Bogs are a fairly rare vegetation community in Ecoregion 5E.**	Bogs are nutrient- poor, acid peatlands dominated by peat mosses (Sphagnum sp.), ericaceous shrubs and sedges (Cyperaceae). The water table is at or near the surface in spring and slightly lower the remainder of the year and is virtually isolated from mineral soil waters. Any size Bog. Information Sources · Ontario wetland Evaluation System available at OMNRF District Offices · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs	Candidate habitat was mapped by combining the bogs modeled and the bogs identified in existing data (FRI Ecosites: G126, G137-G138, Provincial, District).
Tallgrass Prairie **Rationale:** **In Ecoregion 5E, there are few if any tallgrass prairie remnants. Tallgrass plant species occur, often together, primarily along shorelines.**	Tallgrass Prairie is an open vegetation with less than < 25% tree cover, and dominated by prairie species, including grasses. No minimum size to site. Site must be restored or a natural site. Remnant sites such as railway right of ways are not considered to be SWH. Information Sources · Natural Heritage Information Center (NHIC) has location information available on their website · OMNRF Districts · Feld Naturalist clubs.	No candidate habitat was mapped.
Savannah **Rationale:** **Savannahs are extremely rare habitats in Ontario.**	A Savannah is related to tallgrass prairie, but includes trees, which vary from 25 – 60% canopy cover. The open areas between the trees are dominated by prairie species, while forest species are found beneath the tree canopy. No minimum size to site Site must be restored or a natural site. Information Sources · Natural Heritage Information Center (NHIC) has location information available on their website · OMNRF Districts · Feld Naturalist clubs.	No candidate habitat was mapped.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Rare Forest Type: Red Spruce Rationale; Stands containing red spruce trees are rare in Ecoregion 5E.	Red Spruce is a valued wildlife cover tree. Historically red spruce was much more abundant then it is now within the Ecoregion 5e forests. Red spruce is a shade tolerant conifer that evolved within tolerant hardwood forests. Red spruce grows best in a cool, moist climate. It will grow in shallow, till soils (ave. of 46 cm) and may grow on sites unfavourable for other species such as organic soils over rock, steeper slopes, and wet bottomlands, although poorly drained sites will inhibit growth. No minimum size to stand. Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs	Candidate habitat was mapped where the FRI Ecosite equaled: G036, G051, G066, G084, G086, G100, G102, G116, G117.
Rare Forest Type: White Oak Rationale; Stands containing white oak trees are rare in Ecoregion 5E.	White oak is a valued wildlife mast producing tree. The mast produced by the white oak tree is often preferred over the more common red oak acorn. Forest stands containing white oak trees are uncommon in the Great Lakes St. Lawrence Forest. No minimum size to stand. Information Sources · OMNRF Districts. · Natural Heritage Information Center (NHIC) will have information on their website. · Field Naturalist clubs	Candidate habitat was mapped where the FRI Ecosite equaled: G017, G041, G057, G072, G090, G106, G121.
Specialized Wildlife Habitat		
SWH Category	Candidate SWH Habitat Description and Sources	GIS Layers Used to Map

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Waterfowl Nesting Area Rationale; Important to local waterfowl populations, sites with greatest number of species and highest number of individuals are significant.	A waterfowl nesting area extends 120 m from a wetland (> 0.5 ha) or a cluster of 3 or more small (<0.5 ha) wetlands within 120 m of each individual wetland where waterfowl nesting is known to occur · Upland areas should be at least 120 m wide so that predators such as racoons, skunks, and foxes have difficulty finding nests. · Wood Ducks, Bufflehead, Common Goldeneye and Hooded Mergansers utilize large diameter trees (>40cm dbh) in woodlands for cavity nest sites. Information Sources · Ducks Unlimited staff may know the locations of particularly productive nesting sites. · OMNRF Wetland Evaluations for indication of significant waterfowl nesting habitat. · EIS reports and other studies.	Wetland habitat was mapped where the FRI Ecosite equaled: G129-G135, G142-G152. Wetlands <0.5ha were buffered to determine if they belonged to a cluster of 3 or more. If they did not belong to a cluster, they were removed. Wetlands >0.5ha and wetland clusters were buffered by 120m. Candidate habitat was mapped by clipping upland habitats to the 120m buffer.
Bald Eagle and Osprey Nesting, Foraging and Perching Habitat Rationale; Nest sites are fairly uncommon in Eco-region 5E and are used annually by these species. Many suitable nesting locations may be lost due to increasing shoreline development pressures and scarcity of habitat.	Forest communities directly adjacent to riparian areas – rivers, lakes, ponds and wetlands. Nests are associated with lakes, ponds, rivers or wetlands along forested shorelines, islands, or on structures over water. · Osprey nests are usually at the top a tree whereas Bald Eagle nests are typically in super canopy trees in a notch within the tree's canopy. · Nests located on man-made objects are not to be included as SWH (e.g. telephone poles and constructed nesting platforms). Information Sources · Natural Heritage Information Center (NHIC) compiles all known nesting sites for Bald Eagles in Ontario. · MNRF values information (LIO/NRVIS) will list known nesting locations · Nature Counts, Ontario Nest Records Scheme data. · OMNRF Districts. · Sustainable Forestry Licence (SFL) companies will identify additional nesting locations through field operations. · Check the Breeding Bird Atlas or Rare Breeding Birds in Ontario for species documented · EIS reports and other studies. · Field Naturalist clubs	Rivers, lakes, ponds, and wetlands were mapped where the FRI Ecosite equaled: G126, G136-G148. Rivers, lakes, ponds, and wetlands were then buffered by 400m. Forests were mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125, G127-G131, G133. Candidate habitat was mapped by clipping the forested habitat to the rivers, lakes, ponds, and wetlands 400m buffer. MNRF identified osprey nests were buffered by 300m and added to the candidate habitat.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Woodland Raptor Nesting Habitat Rationale: Nests sites for these species are rarely identified; these habitats are often used annually by these species.	All natural or conifer plantation woodland/forest stands · Stick nests found in a variety of intermediate-aged to mature conifer, deciduous or mixed forests within tops or crotches of trees. Species such as Merlin or Coopers hawk nest along forest edges sometimes on peninsulas or small off-shore islands. · Includes nest sites within tree cavities for Barred Owl and sometime Great Horned Owls and Merlin. · In disturbed sites, nests may be used again, or a new nest will be in close proximity to old nest. Information Sources · OMNRF Districts. · Sustainable Forestry Licence (SFL) companies will identify additional nesting locations through field operations. · Check the Breeding Bird Atlas or Rare Breeding Birds in Ontario for species documented. · Check data from Bird Studies Canada. · EIS reports and other studies.	Candidate habitat mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125, G127-G133. Nests identified by MNRF were buffered by the following distance based on species and added to the candidate habitat. - Red-shouldered Hawk – 400m - Northern Goshawk – 400m - Broad-winged Hawk – 100m - Coopers Hawk – 100m - Unknown Raptor – 100m - Merlin – 50m - Sharp-Shinned Hawk – 50m
Turtle and Lizard Nesting Areas Rationale; These habitats are rare and when identified will often be the only breeding site for local populations of turtles.	· Best nesting habitat for turtles are close to water and away from roads and sites less prone to loss of eggs by predation from skunks, raccoons or other animals. · For an area to function as a turtle- nesting area, it must provide sand and gravel that turtles are able to dig in and are located in open, sunny areas. Nesting areas on the sides of municipal or provincial road embankments and shoulders are not SWH. · Sand and gravel beaches adjacent to undisturbed shallow weedy areas of marshes, lakes, and rivers are most frequently used. · Skinks will nest under logs, in stumps or under loose rock in partially wooded areas Information Sources · Use Ontario Soil Survey reports and maps to help find suitable substrate for nesting turtles (well-drained sands and fine gravels). · Check the Ontario Herpetofaunal Summary records for uncommon turtles; location information may help to find potential nesting habitat for them. · EIS reports and other studies. · Field Naturalist clubs	Water features were mapped where FRI Ecosite equaled: G138, G140-G149. These features were then buffered by 100m (outside only buffer). MRN Watercourses > 1st order were buffered by 100m. Water feature and watercourse buffer were merged. Suitable soil habitat was mapped where FRI Ecosite equaled: G005, G029, G031, G044-G046, G060-G062, G161-G162, G167. Candidate turtle nesting habitat was then mapped by clipping the suitable habitat to the merged water feature buffers. Candidate lizard nesting habitat was mapped where FRI Ecosite equaled: G056-G059, G070-G076, G087-G092, G103-G108, G118-G125.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Seeps and Springs **Rationale; Seeps/Springs are typical of headwater areas and are often at the source of coldwater streams.**	Seeps/Springs are areas where ground water comes to the surface. Often they are found within headwater areas within forested habitats. Any forested Ecosite within the headwater areas of a stream could have seeps/springs. Any forested area (with <25% meadow/field/pasture) within the headwaters of a stream or river system · Seeps and springs are important feeding and drinking areas especially in the winter will typically support a variety of plant and animal species Information Sources · Topographical Map. · Thermography. · Hydrological surveys conducted by MOE. · Field Naturalist Clubs and landowners. · Municipalities may have drainage maps and headwater areas mapped.	Candidate habitat mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125.
Aquatic Feeding Habitat **Rationale; Aquatic Feeding Habitats are an extremely important habitat component for moose and other wildlife as they supply important nutrients.**	MNRF maps these location on Crown land and rates the site on a scale of 0 – 4, with 4 being the best. Feeding sites classed 3 or 4 are potential/candidate significant. Where MAFA habitat is in low supply, class 2 MAFA habitat could also be considered potential/candidate significant · Wetlands and isolated embayments in rivers or lakes which provide an abundance of submerged aquatic vegetation such as pondweeds, water milfoil and yellow water lily are preferred sites. Adjacent stands of lowland conifer or mixed woods will provide cover and shade. Information Sources · Field Naturalists club and landowners may know some locations. · MNRF values information (LIO/NRVIS) may list known locations · OMNRF Districts. · Sustainable Forestry Licence (SFL) companies may identify additional MAFA locations through field operations. · Methods for identification of Moose Aquatic Feeding Areas are	MNRF identified aquatic feeding habitats were mapped.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

	outlined in OMNRF's Selected Wildlife and Habitat Features: Inventory Manual	
Mineral Licks Rationale; Mineral licks are a valuable habitat component but are also very rare on the landscape.	This habitat component is found in upwelling groundwater and the soil around these seepage areas. It typically occurs in areas of sedimentary and volcanic bedrock. In areas of granitic bedrock, the site is usually overlain with calcareous glacial till. Information Sources · Field Naturalists clubs and landowners may know some locations. · MNRF values information (LIO\NRVIS) may list known locations · OMNRF Districts. · Sustainable Forestry Licence (SFL) companies may identify additional calving locations through field operations.	Candidate habitat mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125. Bedrock type was added to the attributes based on the Ontario Geologic Survey bedrock data. MNRF mineral licks were buffered 120m and added to the candidate habitat.
Denning Sites for Mink, Otter, Marten Fisher and Eastern Wolf Rationale: Species are important fur- bearing mammals and specific denning habitat is becoming increasingly scarcer due to development pressures.	· Mink prefer shorelines dominated by coniferous or mixed forests with dens usually underground. Mink will sometimes use old muskrat lodges · Otters prefer undisturbed shorelines along water bodies that support productive fish populations with abundant shrubby vegetation and downed woody debris for denning. They often use old beaver lodges or log jams and crevices in rock piles · Marten and fisher share the same general habitat, requiring large tracts of coniferous or mixed forests of mature or older age classes. Denning sites are often in cavities in large trees or under large downed woody debris. Information Sources · Field Naturalists clubs and landowners may know some locations. · MNRF values information (LIO\NRVIS) may list known locations · OMNRF Districts. · Sustainable Forestry Licence (SFL) companies may identify additional denning sites through field operations. · Local trappers may know the location of prime denning sites.	Candidate habitat mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Amphibian Breeding Habitat (Woodland). **Rationale; These habitats are extremely important to amphibian biodiversity within a landscape and often represent the only breeding habitat for local amphibian populations.**	All forested, ELC Ecosites; The wetland breeding ponds (including vernal pools) may be permanent, seasonal, ephemeral, large or small in size and could be located within or adjacent to the woodland · Presence of a wetland or pond >500m2 (about 25m diameter) ccvii within or adjacent (within 120m) to a woodland (no minimum size) The wetland, lake or pond and surrounding forest, would be the Candidate SWH. Some small wetlands may not be mapped and may be important breeding pools for amphibians. · Breeding ponds within the woodland or the shortest distance from forest habitat are more significant because of reduced risk to migrating amphibians and more likely to be used. · Woodlands with permanent ponds or those containing water in most years until mid-July are more likely to be used as breeding habitat. Information Sources · Refer to the Ontario Herpetofaunal Summary for historical records. · Local landowners may also provide assistance as they may hear spring- time choruses of amphibians on their property. · OMNRF District and wetland evaluations. · Field Naturalist clubs · Canadian Wildlife Service Amphibian Road Call Survey information. · Ontario Vernal Pool Association (http://www.ontariovernalpools.org/)	Forest habitat was mapped where the FRI Ecosite equaled: G011-G019, G023, G028, G033-G043, G048-G059, G064-G076, G081, G084, G085, G087, G090-G092, G097, G099, G100-G108, G113-G125. Wetland habitat was mapped where the FRI Ecosite equaled: G126- G148. Wetland features <500m^2 and wetlands > 120m from forested habitat were also removed. The remaining wetlands were buffered by 120m. The forest habitat was then clipped to the 120m buffer. Candidate habitat was mapped by merging the clipped forest habitat with the wetlands.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Amphibian Breeding Habitat (Wetlands) **Rationale; Wetlands supporting breeding for these amphibian species are extremely important and fairly rare within Central Ontario landscapes.**	· Wetlands and pools (including vernal pools) >500m2 (about 25m diameter), supporting high species diversity are significant; some small or ephemeral habitats may not be identified on MNRF mapping and could be important amphibian breeding habitats · Presence of shrubs and logs increase significance of pond for some amphibian species because of available structure for calling, foraging, escape and concealment from predators. · Bullfrogs require permanent water bodies with abundant emergent vegetation. Information Sources · Ontario Herpetofaunal Summary database. · Canadian Wildlife Service Amphibian Road Surveys and Backyard Amphibian Call Count. · OMNRF Districts and wetland evaluations. · EIS reports and other studies.	Wetland habitat was mapped where the FRI Ecosite equaled: G129-G135, G142-G152. Candidate habitat was mapped as all wetlands >500m^2.
Mast Producing Areas **Rationale:** **Mast is a very important food requirement for many wildlife species.**	· Most important areas are mature forests >0.5 ha containing numerous large beech and red oak trees that supply the energy-rich mast that wildlife prefer. · Other significant tree species include hickory, basswood, black cherry, ironwood, mountain ash, pin cherry, and butternut. Significant shrub species include blueberries, wild black berry, serviceberry, raspberry, beaked hazel, choke cherry and hawthorn. · Sites providing long-term, relatively stable food supplies, forest openings or barrens >1 ha provide excellent sites for mast producing shrubs. Sites such as clear-cuts or burns are temporary source of food and are less significant. Information Sources · OMNRF Districts. · Forest Resource Inventory (FRI) maps to locate stands with mast producing trees. · Sustainable Forest License (SFL) companies may know of areas through regular forest inventory work. · Field Naturalists clubs.	Forested habitat was mapped where the FRI Ecosite equaled: G015, G017, G019, G027-G028, G041-G043, G057, G059, G072, G090, G106, G108, G121. Candidate habitat was mapped where forest habitat was >0.5ha. Candidate habitat was then merged with the MNRF identified mast producing areas.
Habitats of Species of Conservation Concern		

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

SWH Category	Candidate SWH Habitat Description and Sources	GIS Layers Used to Map
Marsh Bird Breeding Habitat Rationale; Wetlands for these bird species are very productive and rare in Central Ontario landscapes.	· Nesting occurs in wetlands. · All wetland habitat is to be considered as long as there is shallow water with emergent aquatic vegetation present. · For Green Heron, habitat is at the edge of water such as sluggish streams, ponds and marshes sheltered by shrubs and trees. Less frequently, it may be found in upland shrubs or forest a considerable distance from water. Information Sources · OMNRF District and wetland evaluations. · Field Naturalist clubs · Natural Heritage Information Center (NHIC) Records. · Ontario Breeding Bird Atlas.	Candidate habitat mapped where the FRI Ecosite equaled: G138-G152. Additional candidate Green Heron habitat was mapped where FRI Ecosite equaled: G129-G136.
Open Country Bird Breeding Habitat Rationale; This wildlife habitat is declining throughout Ontario and North America. Species such as the Upland Sandpiper have declined significantly the past 40 years based on CWS (2004) trend records.	· Large grassland areas (includes natural and cultural fields and meadows) >30 ha Grasslands not Class 1 or 2 agricultural lands, and not being actively used for farming (i.e. no row cropping or intensive hay or livestock pasturing in the last 5 years). · Grassland sites considered significant should have a history of longevity, either abandoned fields, mature hayfields and pasturelands that are at least 5 years or older. · The Indicator bird species are area sensitive requiring larger grassland areas than the common grassland species. Information Sources · Agricultural land classification maps, Ministry of Agriculture. · Local bird clubs. · Ontario Breeding Bird Atlas · EIS reports and other studies.	Grassland habitat was mapped where FRI Ecosite equaled: G008-G009, G020-G021, G029-G031, G044-G046, G060-G062, G077-G079, G093-G095, G109-G111. Candidate habitat was mapped where grassland habitat was >30ha.
Shrub/Early Successional Bird Breeding Habitat Rationale; This wildlife habitat is declining throughout Ontario and North America. The Brown Thrasher has declined significantly over the past 40	· Large field areas succeeding to shrub and thicket habitats >30 ha in size. Shrub land or early successional fields, not class 1 or 2 agricultural lands, not being actively used for farming (i.e. no row-cropping, haying or live- stock pasturing in the last 5 years). · Larger shrub thicket habitats (>30 ha) are most likely to support and sustain a diversity of these species. · Shrub and thicket habitat sites considered significant should have	Shrub/early successional habitat was mapped where FRI Ecosite equaled: G009-G010, G021-G022, G031-G032, G046-G047, G062-G063, G079-G080, G095-G096, G111-G112, G134-G135.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

years based on CWS (2004) trend records.	a history of longevity, either abandoned fields or lightly grazed pasturelands. Information Sources · Agricultural land classification maps, Ministry of Agriculture. · Local bird clubs. · Ontario Breeding Bird Atlas · EIS Reports.	Candidate habitat was mapped where shrub/early successional habitat was >30ha.
Special Concern and Rare Wildlife Species Rationale: These species are Provincially Rare or have experienced significant population declines in Ontario.	All plant and animal element occurrences (EO) within a 1 or 10km grid. Older element occurrences were recorded prior to GPS being available, therefore location information may lack accuracy. When an element occurrence is identified within a 1 or 10 km grid for a Special Concern or Provincially Rare species; linking candidate habitat on the site needs to be completed to ELC Ecosites lxxviii Information Sources · Natural Heritage Information Centre (NHIC) will have Special Concern and Provincially Rare (S1-S3, SH) species lists with element occurrences data. · NHIC Website "Get Information" : http://nhic.mnr.gov.on.ca · Ontario Breeding Bird Atlas · Expert advice should be sought as many of the rare spp. have little information available	The study area was split into 1km grids. All grids with provincially rare (S1-S3, SH) species records from NHIC, GBIF, or 2022 field verification was mapped as candidate habitat.
Animal Movement Corridors		
SWH Category	Candidate SWH Habitat Description and Sources	GIS Layers Used to Map
Amphibian Movement Corridors Rationale; Movement corridors for amphibians moving from their terrestrial habitat to breeding habitat can be extremely important for local populations.	Movement corridors between breeding habitat and summer habitat. Movement corridors must be determined when Amphibian breeding habitat is confirmed as SWH from Table 1.2.2(Amphibian Breeding Habitat –Wetland) of this Schedule. Information Sources · MNRF District Office. · Natural Heritage Information Center (NHIC). · EIS Reports and other information. · Field Naturalist Clubs.	Corridors were not mapped.

Appendix G2. Significant Wildlife Habitat (SWH) assessment criteria based on the SWH Criteria for Ecoregion 5E (MNRF, 2015)

Cervid Movement Corridors **Rationale: Corridors important for all species to be able to access seasonally important life-cycle habitats or to access new habitat for dispersing individuals by minimizing their vulnerability while travelling.**	Movement corridor must be determined when Deer Wintering Habitat is confirmed as SWH from Table 1.1 and Moose Aquatic Feeding Area and Mineral Lick Habitat from Table 1.2.2 of this schedule. · A deer wintering habitat identified by the OMNRF as SWH in Table 1.1 of this Schedule will have corridors that the deer use during fall migration and spring dispersion. · Corridors typically follow riparian areas, woodlots, areas of physical geography (ravines, or ridges). · Corridors will be multi- functional i.e. these will function for any smaller mammal species as well. Information Sources · MNRF District Office. · Natural Heritage Information Center (NHIC). · EIS Reports and other information. · Field Naturalist Clubs.	Corridors were not mapped.
Furbearer Movement Corridor **Rationale:** **The identification of denning sites is rare, corridors to and from the habitat must be maintained as this habitat is extremely important for local populations**	Mink and Otter den sites are typically found within a riparian area of a lake, river, stream or wetland. The den site will potentially have a movement corridor associated with it. · All Mink or Otter den sites identified using Table 1.2.2 of this schedule under the habitat of Denning Sites for Mink, Otter, Marten Fisher and Eastern Wolf are to be considered for an animal movement corridor. Information Sources · MNRF District Office. · Natural Heritage Information Center (NHIC). · Reports and other information available from Conservation Authorities. · Field Naturalist Clubs. · Local trappers may know the location of prime denning sites and movement corridors.	Corridors were not mapped.

Appendix G-3

Significant Wildlife Habitat Summary by Subwatershed

Appendix G3. Significant Wildlife Habitat summary by subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
AmphibianBreedingHabitat_Wetland	Candidate	Baysville Narrows - South Branch Muskoka River	109	522.3943272
AmphibianBreedingHabitat_Wetland	Candidate	Blackstone Harbour	87	351.038699
AmphibianBreedingHabitat_Wetland	Candidate	Distress Pond - Big East River	106	258.7074946
AmphibianBreedingHabitat_Wetland	Candidate	Hollow River	140	317.302641
AmphibianBreedingHabitat_Wetland	Candidate	Lake Muskoka - Muskoka River	185	876.761006
AmphibianBreedingHabitat_Wetland	Candidate	Lake Rosseau	271	1317.804034
AmphibianBreedingHabitat_Wetland	Candidate	Lake Vernon	207	1020.686457
AmphibianBreedingHabitat_Wetland	Candidate	Little East River - Big East River	59	230.612802
AmphibianBreedingHabitat_Wetland	Candidate	Moon River Bay	222	1246.813648
AmphibianBreedingHabitat_Wetland	Candidate	Musquash River	235	1040.980713
AmphibianBreedingHabitat_Wetland	Candidate	North Branch Muskoka River	145	680.7084683
AmphibianBreedingHabitat_Wetland	Candidate	Oxtongue River Outlet	43	105.7876148
AmphibianBreedingHabitat_Wetland	Candidate	South Branch Muskoka River Outlet	154	679.1452469
AmphibianBreedingHabitat_Wetland	Candidate	Tea Lake - Oxtongue River	23	83.33590825
AmphibianBreedingHabitat_Woodland	Candidate	Baysville Narrows - South Branch Muskoka River	217	13258.3315
AmphibianBreedingHabitat_Woodland	Candidate	Blackstone Harbour	187	8834.754201
AmphibianBreedingHabitat_Woodland	Candidate	Distress Pond - Big East River	295	21789.43947
AmphibianBreedingHabitat_Woodland	Candidate	Hollow River	258	14324.34495
AmphibianBreedingHabitat_Woodland	Candidate	Lake Muskoka - Muskoka River	440	18767.74593
AmphibianBreedingHabitat_Woodland	Candidate	Lake Rosseau	520	32744.03594
AmphibianBreedingHabitat_Woodland	Candidate	Lake Vernon	247	21360.80685
AmphibianBreedingHabitat_Woodland	Candidate	Little East River - Big East River	222	11690.98867
AmphibianBreedingHabitat_Woodland	Candidate	Moon River Bay	199	15301.80001
AmphibianBreedingHabitat_Woodland	Candidate	Musquash River	209	21405.22199
AmphibianBreedingHabitat_Woodland	Candidate	North Branch Muskoka River	372	19845.3969
AmphibianBreedingHabitat_Woodland	Candidate	Oxtongue River Outlet	212	12481.08509
AmphibianBreedingHabitat_Woodland	Candidate	South Branch Muskoka River Outlet	198	20812.13851
AmphibianBreedingHabitat_Woodland	Candidate	Tea Lake - Oxtongue River	174	16523.04441
AquaticFeedingHabitat	MNRF Identified	Baysville Narrows - South Branch Muskoka River	12	65.78175443
AquaticFeedingHabitat	MNRF Identified	Blackstone Harbour	34	141.6754131
AquaticFeedingHabitat	MNRF Identified	Distress Pond - Big East River	101	614.0823809
AquaticFeedingHabitat	MNRF Identified	Hollow River	92	376.6768675
AquaticFeedingHabitat	MNRF Identified	Lake Rosseau	24	90.85484658
AquaticFeedingHabitat	MNRF Identified	Little East River - Big East River	2	24.09118268
AquaticFeedingHabitat	MNRF Identified	Moon River Bay	40	277.2007912
AquaticFeedingHabitat	MNRF Identified	Musquash River	23	97.843003
AquaticFeedingHabitat	MNRF Identified	Oxtongue River Outlet	41	149.3327352
AquaticFeedingHabitat	MNRF Identified	South Branch Muskoka River Outlet	1	3.798865148
AquaticFeedingHabitat	MNRF Identified	Tea Lake - Oxtongue River	62	282.6550717
BaldEagleOspreyHabitat	Candidate	Baysville Narrows - South Branch Muskoka River	255	22153.81567
BaldEagleOspreyHabitat	Candidate	Blackstone Harbour	126	11410.93418
BaldEagleOspreyHabitat	Candidate	Distress Pond - Big East River	767	36083.74357
BaldEagleOspreyHabitat	Candidate	Hollow River	573	28512.67583
BaldEagleOspreyHabitat	Candidate	Lake Muskoka - Muskoka River	600	21066.7309
BaldEagleOspreyHabitat	Candidate	Lake Rosseau	671	42219.04961
BaldEagleOspreyHabitat	Candidate	Lake Vernon	195	23609.00988
BaldEagleOspreyHabitat	Candidate	Little East River - Big East River	232	17179.25219
BaldEagleOspreyHabitat	Candidate	Moon River Bay	253	15187.38992
BaldEagleOspreyHabitat	Candidate	Musquash River	403	20561.27581
BaldEagleOspreyHabitat	Candidate	North Branch Muskoka River	413	25706.91272
BaldEagleOspreyHabitat	Candidate	Oxtongue River Outlet	374	20702.61053
BaldEagleOspreyHabitat	Candidate	South Branch Muskoka River Outlet	196	24317.93042
BaldEagleOspreyHabitat	Candidate	Tea Lake - Oxtongue River	705	25217.51731
BaldEagleOspreyHabitat	MNRF Identified	Baysville Narrows - South Branch Muskoka River	2	56.54598991
BaldEagleOspreyHabitat	MNRF Identified	Distress Pond - Big East River	6	178.0511342
BaldEagleOspreyHabitat	MNRF Identified	Hollow River	2	56.54603031
BaldEagleOspreyHabitat	MNRF Identified	Lake Muskoka - Muskoka River	1	28.27298039
BaldEagleOspreyHabitat	MNRF Identified	Lake Rosseau	4	113.0920381
BaldEagleOspreyHabitat	MNRF Identified	Lake Vernon	2	56.54601718
BaldEagleOspreyHabitat	MNRF Identified	Little East River - Big East River	2	56.54600492
BaldEagleOspreyHabitat	MNRF Identified	Moon River Bay	2	56.54599508
BaldEagleOspreyHabitat	MNRF Identified	North Branch Muskoka River	1	28.27300672
BaldEagleOspreyHabitat	MNRF Identified	Oxtongue River Outlet	1	26.83119819
BaldEagleOspreyHabitat	MNRF Identified	South Branch Muskoka River Outlet	6	169.6379463
BaldEagleOspreyHabitat	MNRF Identified	Tea Lake - Oxtongue River	5	114.5338201
Bat_Hibernacula	Candidate	Blackstone Harbour	127	287.6604498
Bat_Hibernacula	Candidate	Distress Pond - Big East River	1	4.37061668
Bat_Hibernacula	Candidate	Hollow River	6	15.95247276
Bat_Hibernacula	Candidate	Lake Muskoka - Muskoka River	337	1235.226516

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
Bat_Hibernacula	Candidate	Lake Rosseau	253	757.3690781
Bat_Hibernacula	Candidate	Lake Vernon	12	25.70711164
Bat_Hibernacula	Candidate	Little East River - Big East River	3	5.225752344
Bat_Hibernacula	Candidate	Moon River Bay	299	851.4270823
Bat_Hibernacula	Candidate	Musquash River	164	1009.184001
Bat_Hibernacula	Candidate	North Branch Muskoka River	28	38.35715434
Bat_Hibernacula	Candidate	Oxtongue River Outlet	1	1.514529464
Bat_Hibernacula	Candidate	South Branch Muskoka River Outlet	10	8.487431572
Bat_Maternity	Candidate	Baysville Narrows - South Branch Muskoka River	145	20089.30386
Bat_Maternity	Candidate	Blackstone Harbour	114	9053.418796
Bat_Maternity	Candidate	Distress Pond - Big East River	98	32201.04432
Bat_Maternity	Candidate	Hollow River	116	24184.84538
Bat_Maternity	Candidate	Lake Muskoka - Muskoka River	263	15129.38707
Bat_Maternity	Candidate	Lake Rosseau	404	34766.26101
Bat_Maternity	Candidate	Lake Vernon	176	20844.66916
Bat_Maternity	Candidate	Little East River - Big East River	123	16673.41142
Bat_Maternity	Candidate	Moon River Bay	153	10010.28195
Bat_Maternity	Candidate	Musquash River	186	12380.11806
Bat_Maternity	Candidate	North Branch Muskoka River	250	23743.48434
Bat_Maternity	Candidate	Oxtongue River Outlet	97	17209.14874
Bat_Maternity	Candidate	South Branch Muskoka River Outlet	175	20424.02202
Bat_Maternity	Candidate	Tea Lake - Oxtongue River	100	21032.00202
Beach_BeachRidge_Bar_SandDunes	Candidate	Baysville Narrows - South Branch Muskoka River	1	1.106564215
Beach_BeachRidge_Bar_SandDunes	Candidate	Hollow River	1	5.154431964
Beach_BeachRidge_Bar_SandDunes	Candidate	Little East River - Big East River	4	3.14620781
Beach_BeachRidge_Bar_SandDunes	Candidate	North Branch Muskoka River	1	0.430273558
Bogs	Candidate	Baysville Narrows - South Branch Muskoka River	3670	603.7705584
Bogs	Candidate	Blackstone Harbour	4306	193.6791205
Bogs	Candidate	Distress Pond - Big East River	5529	256.835533
Bogs	Candidate	Hollow River	1348	119.0193673
Bogs	Candidate	Lake Muskoka - Muskoka River	4451	1118.457073
Bogs	Candidate	Lake Rosseau	13668	1728.244439
Bogs	Candidate	Lake Vernon	7667	1018.527616
Bogs	Candidate	Little East River - Big East River	5230	478.4218144
Bogs	Candidate	Moon River Bay	6480	1112.154166
Bogs	Candidate	Musquash River	4013	1241.438605
Bogs	Candidate	North Branch Muskoka River	7334	1113.739274
Bogs	Candidate	Oxtongue River Outlet	4623	279.2029636
Bogs	Candidate	South Branch Muskoka River Outlet	4119	1169.014849
Bogs	Candidate	Tea Lake - Oxtongue River	3206	197.8328414
CliffAndTalusSlopes	Candidate	Hollow River	1	5.154431964
CliffAndTalusSlopes	Candidate	Moon River Bay	2	7.440173528
CliffAndTalusSlopes	Candidate	Musquash River	1	0.392504506
CliffAndTalusSlopes	Candidate	North Branch Muskoka River	1	4.577186447
CliffAndTalusSlopes	Candidate	South Branch Muskoka River Outlet	2	2.495868046
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Baysville Narrows - South Branch Muskoka River	142	205.5381547
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Blackstone Harbour	58	144.2020681
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Distress Pond - Big East River	730	88.36230954
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Hollow River	548	95.67892305
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Lake Muskoka - Muskoka River	441	2484.141773
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Lake Rosseau	371	1911.457466
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Lake Vernon	121	607.4605711
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Little East River - Big East River	114	239.7886402
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Moon River Bay	129	121.6040049
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Musquash River	264	200.555868
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	North Branch Muskoka River	241	1653.695611
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Oxtongue River Outlet	343	56.76568131
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	South Branch Muskoka River Outlet	115	481.7684649
ColoniallyNestingBirdBreedingHabitat_BankCliff	Candidate	Tea Lake - Oxtongue River	663	93.65612689
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Baysville Narrows - South Branch Muskoka River	252	680.4235894
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Blackstone Harbour	138	462.2825586
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Distress Pond - Big East River	851	332.7902696
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Hollow River	728	561.2242117
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Lake Muskoka - Muskoka River	666	3297.758812
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Lake Rosseau	609	2871.951911
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Lake Vernon	311	1450.446542
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Little East River - Big East River	166	417.563789
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Moon River Bay	366	1381.502681
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Musquash River	584	1627.007405

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	North Branch Muskoka River	371	2235.248053
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Oxtongue River Outlet	399	167.9358286
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	South Branch Muskoka River Outlet	270	1081.708161
ColoniallyNestingBirdBreedingHabitat_Ground	Candidate	Tea Lake - Oxtongue River	687	170.489454
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Baysville Narrows - South Branch Muskoka River	263	2566.087986
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Blackstone Harbour	147	1243.85474
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Distress Pond - Big East River	1049	7299.836441
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Hollow River	798	5352.20071
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Lake Muskoka - Muskoka River	561	3730.12943
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Lake Rosseau	685	4658.157035
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Lake Vernon	318	5717.236828
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Little East River - Big East River	281	3024.148137
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Moon River Bay	376	3025.81757
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Musquash River	585	3404.906721
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	North Branch Muskoka River	397	5046.755019
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Oxtongue River Outlet	516	3871.926573
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	South Branch Muskoka River Outlet	347	4279.343737
ColoniallyNestingBirdBreedingHabitat_ShrubTree	Candidate	Tea Lake - Oxtongue River	1047	5112.282684
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Baysville Narrows - South Branch Muskoka River	12	263.9029532
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Blackstone Harbour	17	488.3555869
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Distress Pond - Big East River	13	417.8283126
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Hollow River	7	212.4549438
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Lake Muskoka - Muskoka River	16	374.9146915
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Lake Rosseau	21	529.3823033
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Lake Vernon	6	152.6606555
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Little East River - Big East River	13	286.3818366
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Moon River Bay	15	450.9284257
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Musquash River	27	740.9482965
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	North Branch Muskoka River	15	406.7908764
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Oxtongue River Outlet	10	228.9663438
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	South Branch Muskoka River Outlet	9	286.5572048
ColoniallyNestingBirdBreedingHabitat_ShrubTree	MNRF Identified	Tea Lake - Oxtongue River	10	301.3639254
DeerWintering	Candidate	Baysville Narrows - South Branch Muskoka River	256	3500.330421
DeerWintering	Candidate	Blackstone Harbour	446	1239.30333
DeerWintering	Candidate	Distress Pond - Big East River	340	8204.084355
DeerWintering	Candidate	Hollow River	375	7694.076351
DeerWintering	Candidate	Lake Muskoka - Muskoka River	371	6099.313681
DeerWintering	Candidate	Lake Rosseau	684	10106.82945
DeerWintering	Candidate	Lake Vernon	295	6457.059678
DeerWintering	Candidate	Little East River - Big East River	213	4318.932045
DeerWintering	Candidate	Moon River Bay	410	4178.896371
DeerWintering	Candidate	Musquash River	316	5207.23863
DeerWintering	Candidate	North Branch Muskoka River	371	8256.788013
DeerWintering	Candidate	Oxtongue River Outlet	227	5607.409784
DeerWintering	Candidate	South Branch Muskoka River Outlet	285	7127.146219
DeerWintering	Candidate	Tea Lake - Oxtongue River	418	6116.789527
DeerWintering	MNRF Identified	Baysville Narrows - South Branch Muskoka River	37	12941.94525
DeerWintering	MNRF Identified	Blackstone Harbour	29	4530.402548
DeerWintering	MNRF Identified	Distress Pond - Big East River	2	178.5396638
DeerWintering	MNRF Identified	Hollow River	53	999.7741187
DeerWintering	MNRF Identified	Lake Muskoka - Muskoka River	92	6344.519396
DeerWintering	MNRF Identified	Lake Rosseau	114	6529.809573
DeerWintering	MNRF Identified	Lake Vernon	20	4980.652004
DeerWintering	MNRF Identified	Little East River - Big East River	7	3181.256381
DeerWintering	MNRF Identified	Moon River Bay	43	1987.321553
DeerWintering	MNRF Identified	Musquash River	18	6212.116527
DeerWintering	MNRF Identified	North Branch Muskoka River	16	7016.292494
DeerWintering	MNRF Identified	Oxtongue River Outlet	19	2314.708291
DeerWintering	MNRF Identified	South Branch Muskoka River Outlet	9	616.1989508
DeerWintering	MNRF Identified	Tea Lake - Oxtongue River	2	18.34262657
Denning	Candidate	Baysville Narrows - South Branch Muskoka River	106	27333.82777
Denning	Candidate	Blackstone Harbour	76	13352.87553
Denning	Candidate	Distress Pond - Big East River	26	43785.21311
Denning	Candidate	Hollow River	34	35067.76909
Denning	Candidate	Lake Muskoka - Muskoka River	296	24746.07442
Denning	Candidate	Lake Rosseau	332	51014.01715
Denning	Candidate	Lake Vernon	121	26862.46295
Denning	Candidate	Little East River - Big East River	87	21731.60141
Denning	Candidate	Moon River Bay	131	18052.11324

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
Denning	Candidate	Musquash River	157	24038.44005
Denning	Candidate	North Branch Muskoka River	198	34274.55462
Denning	Candidate	Oxtongue River Outlet	39	23717.4691
Denning	Candidate	South Branch Muskoka River Outlet	117	28552.81466
Denning	Candidate	Tea Lake - Oxtongue River	35	29900.47992
LizardNestingArea	Candidate	Baysville Narrows - South Branch Muskoka River	171	18079.51521
LizardNestingArea	Candidate	Blackstone Harbour	127	7321.463979
LizardNestingArea	Candidate	Distress Pond - Big East River	127	29744.97127
LizardNestingArea	Candidate	Hollow River	136	22391.51255
LizardNestingArea	Candidate	Lake Muskoka - Muskoka River	248	11764.82925
LizardNestingArea	Candidate	Lake Rosseau	393	29132.74455
LizardNestingArea	Candidate	Lake Vernon	224	18140.60391
LizardNestingArea	Candidate	Little East River - Big East River	141	14853.73296
LizardNestingArea	Candidate	Moon River Bay	130	5510.900479
LizardNestingArea	Candidate	Musquash River	191	7829.668247
LizardNestingArea	Candidate	North Branch Muskoka River	271	21545.02415
LizardNestingArea	Candidate	Oxtongue River Outlet	99	15988.61182
LizardNestingArea	Candidate	South Branch Muskoka River Outlet	188	18834.9209
LizardNestingArea	Candidate	Tea Lake - Oxtongue River	169	17970.49805
MarshBreedingBirdHabitat	Candidate	Baysville Narrows - South Branch Muskoka River	327	1744.838693
MarshBreedingBirdHabitat	Candidate	Blackstone Harbour	340	1400.895863
MarshBreedingBirdHabitat	Candidate	Distress Pond - Big East River	740	1961.024433
MarshBreedingBirdHabitat	Candidate	Hollow River	522	1351.650322
MarshBreedingBirdHabitat	Candidate	Lake Muskoka - Muskoka River	670	3936.310469
MarshBreedingBirdHabitat	Candidate	Lake Rosseau	1020	5256.545078
MarshBreedingBirdHabitat	Candidate	Lake Vernon	485	3148.869504
MarshBreedingBirdHabitat	Candidate	Little East River - Big East River	345	1336.214113
MarshBreedingBirdHabitat	Candidate	Moon River Bay	630	3347.449909
MarshBreedingBirdHabitat	Candidate	Musquash River	925	4395.741584
MarshBreedingBirdHabitat	Candidate	North Branch Muskoka River	561	2825.487105
MarshBreedingBirdHabitat	Candidate	Oxtongue River Outlet	391	1769.229065
MarshBreedingBirdHabitat	Candidate	South Branch Muskoka River Outlet	567	3213.796139
MarshBreedingBirdHabitat	Candidate	Tea Lake - Oxtongue River	676	1345.491802
MastProducingAreas	Candidate	Baysville Narrows - South Branch Muskoka River	86	2327.85103
MastProducingAreas	Candidate	Blackstone Harbour	86	2580.941121
MastProducingAreas	Candidate	Distress Pond - Big East River	9	191.447017
MastProducingAreas	Candidate	Hollow River	98	1728.983754
MastProducingAreas	Candidate	Lake Muskoka - Muskoka River	164	6562.695903
MastProducingAreas	Candidate	Lake Rosseau	219	6508.213877
MastProducingAreas	Candidate	Lake Vernon	30	406.6310911
MastProducingAreas	Candidate	Little East River - Big East River	16	395.0083782
MastProducingAreas	Candidate	Moon River Bay	92	3367.463884
MastProducingAreas	Candidate	Musquash River	145	6797.379314
MastProducingAreas	Candidate	North Branch Muskoka River	95	2656.726231
MastProducingAreas	Candidate	Oxtongue River Outlet	12	172.7569786
MastProducingAreas	Candidate	South Branch Muskoka River Outlet	94	3881.644605
MastProducingAreas	Candidate	Tea Lake - Oxtongue River	5	73.99454007
MastProducingAreas	MNRF Identified	Blackstone Harbour	1	3.125509339
MineralLicks	Candidate	Baysville Narrows - South Branch Muskoka River	106	27333.82777
MineralLicks	Candidate	Blackstone Harbour	76	13352.87553
MineralLicks	Candidate	Distress Pond - Big East River	26	43785.21311
MineralLicks	Candidate	Hollow River	34	35067.76909
MineralLicks	Candidate	Lake Muskoka - Muskoka River	296	24746.07442
MineralLicks	Candidate	Lake Rosseau	332	51009.49495
MineralLicks	Candidate	Lake Vernon	121	26862.46295
MineralLicks	Candidate	Little East River - Big East River	87	21731.60141
MineralLicks	Candidate	Moon River Bay	131	18052.11324
MineralLicks	Candidate	Musquash River	157	24038.44005
MineralLicks	Candidate	North Branch Muskoka River	198	34274.55462
MineralLicks	Candidate	Oxtongue River Outlet	39	23717.4691
MineralLicks	Candidate	South Branch Muskoka River Outlet	117	28552.81466
MineralLicks	Candidate	Tea Lake - Oxtongue River	35	29900.47992
MineralLicks	MNRF Identified	Lake Rosseau	1	4.52263125
OldGrowthForest	Candidate	Baysville Narrows - South Branch Muskoka River	88	1804.763128
OldGrowthForest	Candidate	Blackstone Harbour	24	792.7807382
OldGrowthForest	Candidate	Distress Pond - Big East River	137	9584.433481
OldGrowthForest	Candidate	Hollow River	136	3726.406909
OldGrowthForest	Candidate	Lake Muskoka - Muskoka River	20	573.0835627
OldGrowthForest	Candidate	Lake Rosseau	88	2711.208927

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
OldGrowthForest	Candidate	Lake Vernon	24	491.1215528
OldGrowthForest	Candidate	Little East River - Big East River	49	918.9497399
OldGrowthForest	Candidate	Moon River Bay	31	922.2013458
OldGrowthForest	Candidate	Musquash River	20	421.6021301
OldGrowthForest	Candidate	North Branch Muskoka River	38	709.1106359
OldGrowthForest	Candidate	Oxtongue River Outlet	134	5883.371289
OldGrowthForest	Candidate	South Branch Muskoka River Outlet	52	1222.33251
OldGrowthForest	Candidate	Tea Lake - Oxtongue River	99	6911.032407
OpenCountryBreedingBirdHabitat	Candidate	Lake Muskoka - Muskoka River	49	1186.346379
OpenCountryBreedingBirdHabitat	Candidate	Lake Rosseau	44	1019.954925
OpenCountryBreedingBirdHabitat	Candidate	Lake Vernon	6	130.9185162
OpenCountryBreedingBirdHabitat	Candidate	Little East River - Big East River	1	36.82547672
OpenCountryBreedingBirdHabitat	Candidate	Musquash River	2	42.07534899
OpenCountryBreedingBirdHabitat	Candidate	North Branch Muskoka River	24	532.0757254
OpenCountryBreedingBirdHabitat	Candidate	South Branch Muskoka River Outlet	7	155.296489
RaptorNesting	Candidate	Baysville Narrows - South Branch Muskoka River	103	25774.95839
RaptorNesting	Candidate	Blackstone Harbour	96	11239.43196
RaptorNesting	Candidate	Distress Pond - Big East River	31	39683.32422
RaptorNesting	Candidate	Hollow River	44	31967.0432
RaptorNesting	Candidate	Lake Muskoka - Muskoka River	325	23082.25507
RaptorNesting	Candidate	Lake Rosseau	345	47075.38625
RaptorNesting	Candidate	Lake Vernon	89	28326.75474
RaptorNesting	Candidate	Little East River - Big East River	80	21647.37846
RaptorNesting	Candidate	Moon River Bay	136	15592.8762
RaptorNesting	Candidate	Musquash River	164	20958.93533
RaptorNesting	Candidate	North Branch Muskoka River	189	33401.17985
RaptorNesting	Candidate	Oxtongue River Outlet	40	22765.23255
RaptorNesting	Candidate	South Branch Muskoka River Outlet	118	27788.63167
RaptorNesting	Candidate	Tea Lake - Oxtongue River	40	27033.64491
RaptorNesting	MNRF Identified	Baysville Narrows - South Branch Muskoka River	11	251.1583917
RaptorNesting	MNRF Identified	Blackstone Harbour	24	859.6965708
RaptorNesting	MNRF Identified	Distress Pond - Big East River	54	1071.106835
RaptorNesting	MNRF Identified	Hollow River	20	417.8697245
RaptorNesting	MNRF Identified	Lake Muskoka - Muskoka River	28	1357.807299
RaptorNesting	MNRF Identified	Lake Rosseau	28	1285.279922
RaptorNesting	MNRF Identified	Lake Vernon	2	6.282354073
RaptorNesting	MNRF Identified	Little East River - Big East River	7	22.97617115
RaptorNesting	MNRF Identified	Moon River Bay	15	399.0525832
RaptorNesting	MNRF Identified	Musquash River	9	200.7166516
RaptorNesting	MNRF Identified	North Branch Muskoka River	4	129.9656878
RaptorNesting	MNRF Identified	Oxtongue River Outlet	26	594.9316726
RaptorNesting	MNRF Identified	South Branch Muskoka River Outlet	12	369.0499586
RaptorNesting	MNRF Identified	Tea Lake - Oxtongue River	28	154.4005607
RaptorWinteringArea	Candidate	Blackstone Harbour	15	149.2716052
RaptorWinteringArea	Candidate	Lake Muskoka - Muskoka River	79	2144.143291
RaptorWinteringArea	Candidate	Lake Rosseau	147	3100.156749
RaptorWinteringArea	Candidate	Lake Vernon	24	608.2325353
RaptorWinteringArea	Candidate	Little East River - Big East River	8	185.9902583
RaptorWinteringArea	Candidate	Musquash River	4	68.00186431
RaptorWinteringArea	Candidate	North Branch Muskoka River	84	1428.582645
RaptorWinteringArea	Candidate	South Branch Muskoka River Outlet	16	346.1595265
RareForestRedSpruce	Candidate	Baysville Narrows - South Branch Muskoka River	107	1959.418023
RareForestRedSpruce	Candidate	Blackstone Harbour	28	453.0212408
RareForestRedSpruce	Candidate	Distress Pond - Big East River	200	4346.048455
RareForestRedSpruce	Candidate	Hollow River	224	5020.581702
RareForestRedSpruce	Candidate	Lake Muskoka - Muskoka River	23	592.6242185
RareForestRedSpruce	Candidate	Lake Rosseau	91	2015.250742
RareForestRedSpruce	Candidate	Lake Vernon	18	239.3663365
RareForestRedSpruce	Candidate	Little East River - Big East River	55	935.9032969
RareForestRedSpruce	Candidate	Moon River Bay	32	1052.577425
RareForestRedSpruce	Candidate	Musquash River	24	770.6470672
RareForestRedSpruce	Candidate	North Branch Muskoka River	36	694.2905863
RareForestRedSpruce	Candidate	Oxtongue River Outlet	155	3804.709709
RareForestRedSpruce	Candidate	South Branch Muskoka River Outlet	53	1113.316926
RareForestRedSpruce	Candidate	Tea Lake - Oxtongue River	199	2616.215928
RareForestWhiteOak	Candidate	Baysville Narrows - South Branch Muskoka River	77	2131.716966
RareForestWhiteOak	Candidate	Blackstone Harbour	66	1354.830631
RareForestWhiteOak	Candidate	Hollow River	24	418.1070117
RareForestWhiteOak	Candidate	Lake Muskoka - Muskoka River	79	2463.165052

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
RareForestWhiteOak	Candidate	Lake Rosseau	120	2595.489611
RareForestWhiteOak	Candidate	Lake Vernon	11	171.6206333
RareForestWhiteOak	Candidate	Little East River - Big East River	13	354.5781153
RareForestWhiteOak	Candidate	Moon River Bay	51	1018.180915
RareForestWhiteOak	Candidate	Musquash River	73	2686.392738
RareForestWhiteOak	Candidate	North Branch Muskoka River	41	1259.928892
RareForestWhiteOak	Candidate	Oxtongue River Outlet	5	105.9710501
RareForestWhiteOak	Candidate	South Branch Muskoka River Outlet	50	1202.154193
RareForestWhiteOak	Candidate	Tea Lake - Oxtongue River	2	10.36537796
Reptile_Hibernaculum	Candidate	Baysville Narrows - South Branch Muskoka River	206	25324.38987
Reptile_Hibernaculum	Candidate	Blackstone Harbour	111	12290.26527
Reptile_Hibernaculum	Candidate	Distress Pond - Big East River	758	39401.85866
Reptile_Hibernaculum	Candidate	Hollow River	567	31930.47452
Reptile_Hibernaculum	Candidate	Lake Muskoka - Muskoka River	501	27167.97169
Reptile_Hibernaculum	Candidate	Lake Rosseau	516	50414.70126
Reptile_Hibernaculum	Candidate	Lake Vernon	140	26536.59377
Reptile_Hibernaculum	Candidate	Little East River - Big East River	159	20751.35389
Reptile_Hibernaculum	Candidate	Moon River Bay	230	16925.94542
Reptile_Hibernaculum	Candidate	Musquash River	375	22261.42429
Reptile_Hibernaculum	Candidate	North Branch Muskoka River	251	34257.87606
Reptile_Hibernaculum	Candidate	Oxtongue River Outlet	369	21987.59184
Reptile_Hibernaculum	Candidate	South Branch Muskoka River Outlet	160	27434.3854
Reptile_Hibernaculum	Candidate	Tea Lake - Oxtongue River	704	26352.9064
RockBarren2	Candidate	Baysville Narrows - South Branch Muskoka River	6	10.02211389
RockBarren2	Candidate	Blackstone Harbour	122	317.0578712
RockBarren2	Candidate	Distress Pond - Big East River	4	7.382704806
RockBarren2	Candidate	Hollow River	14	30.4544098
RockBarren2	Candidate	Lake Muskoka - Muskoka River	326	1381.633848
RockBarren2	Candidate	Lake Rosseau	243	783.5961795
RockBarren2	Candidate	Lake Vernon	16	36.85468211
RockBarren2	Candidate	Little East River - Big East River	19	48.4507885
RockBarren2	Candidate	Moon River Bay	276	1155.678504
RockBarren2	Candidate	Musquash River	192	1147.504846
RockBarren2	Candidate	North Branch Muskoka River	28	50.3082559
RockBarren2	Candidate	Oxtongue River Outlet	8	14.40988194
RockBarren2	Candidate	South Branch Muskoka River Outlet	5	9.427827084
RockBarren2	Candidate	Tea Lake - Oxtongue River	5	7.04738201
SandBarren	Candidate	Baysville Narrows - South Branch Muskoka River	9	58.55982464
SandBarren	Candidate	Blackstone Harbour	12	42.87600186
SandBarren	Candidate	Distress Pond - Big East River	6	6.734182377
SandBarren	Candidate	Hollow River	18	28.03436288
SandBarren	Candidate	Lake Muskoka - Muskoka River	31	294.4841719
SandBarren	Candidate	Lake Rosseau	25	119.1363702
SandBarren	Candidate	Lake Vernon	10	80.9433067
SandBarren	Candidate	Little East River - Big East River	11	101.257228
SandBarren	Candidate	Moon River Bay	17	50.96944358
SandBarren	Candidate	Musquash River	23	61.63633347
SandBarren	Candidate	North Branch Muskoka River	25	350.9230118
SandBarren	Candidate	Oxtongue River Outlet	6	13.39770552
SandBarren	Candidate	South Branch Muskoka River Outlet	14	80.01040563
SandBarren	Candidate	Tea Lake - Oxtongue River	2	1.260211623
SeepsAndSprings	Candidate	Baysville Narrows - South Branch Muskoka River	106	27333.82777
SeepsAndSprings	Candidate	Blackstone Harbour	76	13352.87553
SeepsAndSprings	Candidate	Distress Pond - Big East River	26	43785.21311
SeepsAndSprings	Candidate	Hollow River	34	35067.76909
SeepsAndSprings	Candidate	Lake Muskoka - Muskoka River	296	24746.07442
SeepsAndSprings	Candidate	Lake Rosseau	332	51014.01715
SeepsAndSprings	Candidate	Lake Vernon	121	26862.46295
SeepsAndSprings	Candidate	Little East River - Big East River	87	21731.60141
SeepsAndSprings	Candidate	Moon River Bay	131	18052.11324
SeepsAndSprings	Candidate	Musquash River	157	24038.44005
SeepsAndSprings	Candidate	North Branch Muskoka River	198	34274.55462
SeepsAndSprings	Candidate	Oxtongue River Outlet	39	23717.4691
SeepsAndSprings	Candidate	South Branch Muskoka River Outlet	117	28552.81466
SeepsAndSprings	Candidate	Tea Lake - Oxtongue River	35	29900.47992
ShallowAtlanticCoastalMarsh	Candidate	Baysville Narrows - South Branch Muskoka River	9	20.9094959
ShallowAtlanticCoastalMarsh	Candidate	Distress Pond - Big East River	16	58.44055699
ShallowAtlanticCoastalMarsh	Candidate	Hollow River	77	267.643609
ShallowAtlanticCoastalMarsh	Candidate	Lake Muskoka - Muskoka River	90	296.1100109

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
ShallowAtlanticCoastalMarsh	Candidate	Lake Rosseau	2	0.575508119
ShallowAtlanticCoastalMarsh	Candidate	Moon River Bay	31	134.1208226
ShallowAtlanticCoastalMarsh	Candidate	Musquash River	111	489.5741213
ShallowAtlanticCoastalMarsh	Candidate	North Branch Muskoka River	1	3.358297275
ShallowAtlanticCoastalMarsh	Candidate	Oxtongue River Outlet	13	31.31805469
ShallowAtlanticCoastalMarsh	Candidate	South Branch Muskoka River Outlet	10	22.39068512
ShallowAtlanticCoastalMarsh	Candidate	Tea Lake - Oxtongue River	4	7.088598889
ShorebirdMigratoryStopoverArea	Candidate	Baysville Narrows - South Branch Muskoka River	1	1.106564215
ShorebirdMigratoryStopoverArea	Candidate	Lake Muskoka - Muskoka River	11	16.35118076
ShorebirdMigratoryStopoverArea	Candidate	Lake Rosseau	1	0.965722839
ShorebirdMigratoryStopoverArea	Candidate	Lake Vernon	1	0.399146371
ShorebirdMigratoryStopoverArea	Candidate	Little East River - Big East River	4	3.14620781
ShorebirdMigratoryStopoverArea	Candidate	Moon River Bay	37	79.1001106
ShorebirdMigratoryStopoverArea	Candidate	Musquash River	11	6.264330744
ShorebirdMigratoryStopoverArea	Candidate	North Branch Muskoka River	2	2.17225017
ShorebirdMigratoryStopoverArea	Candidate	South Branch Muskoka River Outlet	1	0.099500678
ShrubSuccessionalBreedingBirdHabitat	Candidate	Lake Muskoka - Muskoka River	2	12.44051446
ShrubSuccessionalBreedingBirdHabitat	Candidate	Lake Rosseau	55	1254.150444
ShrubSuccessionalBreedingBirdHabitat	Candidate	Lake Vernon	6	113.8658107
ShrubSuccessionalBreedingBirdHabitat	Candidate	Little East River - Big East River	1	36.32088173
ShrubSuccessionalBreedingBirdHabitat	Candidate	Moon River Bay	1	39.21984158
ShrubSuccessionalBreedingBirdHabitat	Candidate	North Branch Muskoka River	12	276.0661683
TurtleNestingArea	Candidate	Baysville Narrows - South Branch Muskoka River	128	69.42050242
TurtleNestingArea	Candidate	Blackstone Harbour	55	57.88893238
TurtleNestingArea	Candidate	Distress Pond - Big East River	724	81.62812666
TurtleNestingArea	Candidate	Hollow River	532	66.52851219
TurtleNestingArea	Candidate	Lake Muskoka - Muskoka River	429	709.0032869
TurtleNestingArea	Candidate	Lake Rosseau	400	791.3177434
TurtleNestingArea	Candidate	Lake Vernon	109	147.8804072
TurtleNestingArea	Candidate	Little East River - Big East River	98	37.57926088
TurtleNestingArea	Candidate	Moon River Bay	150	119.4167361
TurtleNestingArea	Candidate	Musquash River	256	86.52181722
TurtleNestingArea	Candidate	North Branch Muskoka River	250	469.8273585
TurtleNestingArea	Candidate	Oxtongue River Outlet	336	23.23015812
TurtleNestingArea	Candidate	South Branch Muskoka River Outlet	92	115.3608548
TurtleNestingArea	Candidate	Tea Lake - Oxtongue River	661	92.39582597
TurtleWinteringAreas	Candidate	Baysville Narrows - South Branch Muskoka River	452	10699.06367
TurtleWinteringAreas	Candidate	Blackstone Harbour	254	3798.576652
TurtleWinteringAreas	Candidate	Distress Pond - Big East River	802	5861.575482
TurtleWinteringAreas	Candidate	Hollow River	511	8063.422441
TurtleWinteringAreas	Candidate	Lake Muskoka - Muskoka River	579	17158.93116
TurtleWinteringAreas	Candidate	Lake Rosseau	1037	22413.31421
TurtleWinteringAreas	Candidate	Lake Vernon	461	7664.607491
TurtleWinteringAreas	Candidate	Little East River - Big East River	404	4376.300535
TurtleWinteringAreas	Candidate	Moon River Bay	401	5131.367252
TurtleWinteringAreas	Candidate	Musquash River	670	6140.47544
TurtleWinteringAreas	Candidate	North Branch Muskoka River	592	7463.0161
TurtleWinteringAreas	Candidate	Oxtongue River Outlet	504	3927.766553
TurtleWinteringAreas	Candidate	South Branch Muskoka River Outlet	444	5776.394189
TurtleWinteringAreas	Candidate	Tea Lake - Oxtongue River	646	6870.62252
WaterfowlNestingAreas	Candidate	Baysville Narrows - South Branch Muskoka River	351	3795.330804
WaterfowlNestingAreas	Candidate	Blackstone Harbour	293	3122.099922
WaterfowlNestingAreas	Candidate	Distress Pond - Big East River	681	4823.224117
WaterfowlNestingAreas	Candidate	Hollow River	638	4191.008217
WaterfowlNestingAreas	Candidate	Lake Muskoka - Muskoka River	624	5906.237178
WaterfowlNestingAreas	Candidate	Lake Rosseau	789	8597.940768
WaterfowlNestingAreas	Candidate	Lake Vernon	460	4948.540389
WaterfowlNestingAreas	Candidate	Little East River - Big East River	255	1981.163803
WaterfowlNestingAreas	Candidate	Moon River Bay	456	5830.96123
WaterfowlNestingAreas	Candidate	Musquash River	599	7409.715713
WaterfowlNestingAreas	Candidate	North Branch Muskoka River	562	5062.632594
WaterfowlNestingAreas	Candidate	Oxtongue River Outlet	402	3386.644229
WaterfowlNestingAreas	Candidate	South Branch Muskoka River Outlet	435	5094.786108
WaterfowlNestingAreas	Candidate	Tea Lake - Oxtongue River	367	2202.513905
WaterfowlStopoverStaging_Aquatic	Candidate	Baysville Narrows - South Branch Muskoka River	448	9434.800129
WaterfowlStopoverStaging_Aquatic	Candidate	Blackstone Harbour	224	3447.759156
WaterfowlStopoverStaging_Aquatic	Candidate	Distress Pond - Big East River	764	4490.18484
WaterfowlStopoverStaging_Aquatic	Candidate	Hollow River	508	7364.440842
WaterfowlStopoverStaging_Aquatic	Candidate	Lake Muskoka - Muskoka River	510	15813.03582

Appendix G3. Consolidated Significant Wildlife Habitat by category and subwatershed.

SWH Category	Status	Quaternary Watershed Name	Patch Count	Area (ha)
WaterfowlStopoverStaging_Aquatic	Candidate	Lake Rosseau	898	19131.25029
WaterfowlStopoverStaging_Aquatic	Candidate	Lake Vernon	447	4212.823443
WaterfowlStopoverStaging_Aquatic	Candidate	Little East River - Big East River	402	2641.715722
WaterfowlStopoverStaging_Aquatic	Candidate	Moon River Bay	311	4276.902602
WaterfowlStopoverStaging_Aquatic	Candidate	Musquash River	544	5305.470008
WaterfowlStopoverStaging_Aquatic	Candidate	North Branch Muskoka River	485	5163.626269
WaterfowlStopoverStaging_Aquatic	Candidate	Oxtongue River Outlet	502	2488.184885
WaterfowlStopoverStaging_Aquatic	Candidate	South Branch Muskoka River Outlet	357	3856.619861
WaterfowlStopoverStaging_Aquatic	Candidate	Tea Lake - Oxtongue River	556	5727.653805
WaterfowlStopoverStaging_Terrestrial	Candidate	Lake Muskoka - Muskoka River	23	275.6302717
WaterfowlStopoverStaging_Terrestrial	Candidate	Lake Rosseau	2	4.539603193
WaterfowlStopoverStaging_Terrestrial	Candidate	Musquash River	3	45.52190654
WaterfowlStopoverStaging_Terrestrial	Candidate	North Branch Muskoka River	2	5.050264719