

## APPENDIX B.1

### Natural Heritage Study Scoping Checklist (NHSSC)

#### General Information:

Application/Project Name: \_\_\_\_\_

Proponent: \_\_\_\_\_ Date: \_\_\_\_\_

Type of Application/File Number: \_\_\_\_\_

Natural heritage study type\*: \_\_\_\_\_

Lead Consultant: \_\_\_\_\_

Primary Contact: \_\_\_\_\_

Ecological Consultant: \_\_\_\_\_

\* Natural heritage study type: May be a SLSR (Subject Lands Status Report), EIS (Environmental Impact Study) or other natural heritage study (such as a Species at Risk screening study). If an EIS, please specify if it is a Full EIS, Scoped EIS or Focussed EIS. See Section 2.3 for descriptions of each.

#### Natural heritage study pathway selected:

Option A: No pre-consultation with City	Option B: Pre-consultation with City
<input type="checkbox"/> NHSSC completed by applicant's consultant(s)	<input type="checkbox"/> NHSSC completed by applicant's consultant(s)
<input type="checkbox"/> NHSSC not scoped with City prior to submission	<input type="checkbox"/> NHSSC scoped in consultation with City Ecologist and TRT (see below)
<input type="checkbox"/> NHSSC accepted by City Ecologist as part of a complete natural heritage study submission	<input type="checkbox"/> NHSSC accepted by City Ecologist as confirmed natural heritage study Terms of Reference

Explanatory Notes, if needed: \_\_\_\_\_

#### Technical Review Team (TRT):

☐ City Ecologist: \_\_\_\_\_

☐ City Planner (for the File): \_\_\_\_\_

☐ Conservation Authority Representative(s) (if applicable):

\_\_\_\_\_

☐ Other Government Agency Representative (if applicable):

\_\_\_\_\_

☐ Other Representative (if applicable):

\_\_\_\_\_

☐ First Nation(s) Representative(s) (if applicable):

\_\_\_\_\_

### Subject Lands and Study Area:

Location/Address and Size (ha) of Subject Lands: \_\_\_\_\_

\_\_\_\_\_

Study Area Size (approximate ha): \_\_\_\_\_ Subwatershed: \_\_\_\_\_

☐ Map of Subject Lands and Study Area on most current available air photo

☐ Map of Subject Lands and Study Area with NHS components within ~1 km

Is the proposed location within 120 m of the Thames River?

☐ Yes\*\*   ☐ No   **\*\*If Yes, must reach out to and engage with local First Nation communities.**

### Policy Framework:

☐ Study must demonstrate how it conforms to the *Provincial Planning Statement*

☐ Study must demonstrate how it conforms to *The London Plan*

☐ Study must demonstrate how it conforms to: \_\_\_\_\_

### Mapping That Must Be Considered:

#### Map 1 Place Types currently in place:

☐ Green Space on subject lands      ☐ Environmental Review on subject lands

☐ Green Space in adjacent lands      ☐ Environmental Review in adjacent lands

Other Place Types: \_\_\_\_\_

#### Map 4 Active Mobility Network considerations:

☐ Pathway placement and /or future trail accesses to be considered

### Map 5 Natural Heritage System components mapped in Study Area:

- |   |   |
|---|---|
| <input type="checkbox"/> Watercourse(s)/Fish Habitat            | Name: _____   |
| <input type="checkbox"/> Provincially Significant Wetland (PSW) | Name: _____   |
| <input type="checkbox"/> Area of Natural & Scientific Interest  | Name: _____   |
| <input type="checkbox"/> Environmentally Significant Area (ESA) | Name: _____   |
| <input type="checkbox"/> Wetlands (Non-PSW)                     | <input type="checkbox"/> Unevaluated Wetlands           |
| <input type="checkbox"/> Potential ESA                          | <input type="checkbox"/> Upland Corridors               |
| <input type="checkbox"/> Significant Woodlands                  | <input type="checkbox"/> Woodlands                      |
| <input type="checkbox"/> Significant Valleylands                | <input type="checkbox"/> Valleylands                    |
| <input type="checkbox"/> Unevaluated Vegetation Patch(es)       | <input type="checkbox"/> Potential Naturalization Areas |

Patch No(s). \_\_\_\_\_

Note: Air photo interpretation and / or previous studies may identify potential features not on Map 5.

### Map 6 Natural Hazards and Conservation Authority Mapping to be Considered:

- ☐ Natural Hazards on subject lands
- ☐ Natural Hazards adjacent to subject lands
- ☐ Conservation Authority Regulated Areas on subject lands
- ☐ Conservation Authority Regulated Areas on adjacent lands

### Required Field Investigations:

#### Aquatic:

- ☐ Aquatic Habitat Assessment: \_\_\_\_\_
- ☐ Fish Community (Collection): \_\_\_\_\_
- ☐ Spawning Surveys: \_\_\_\_\_
- ☐ Benthic Invertebrate Survey: \_\_\_\_\_
- ☐ Mussel Surveys: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

#### Wetlands:

- ☐ Wetland Delineation: \_\_\_\_\_
- ☐ Wetland Evaluation (OWES): \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

### Terrestrial (Upland and Lowland):

- ☐ Vegetation Communities Mapping and Assessment (i.e., ELC): \_\_\_\_\_
- ☐ Botanical Inventories: ☐ Winter ☐ Spring ☐ Summer ☐ Fall
- ☐ Bird Surveys (type & frequency):
  - ☐ Breeding Birds: \_\_\_\_\_ ☐ Crepuscular Birds: \_\_\_\_\_
  - ☐ Raptors: \_\_\_\_\_ ☐ Other: \_\_\_\_\_
- ☐ Amphibian Surveys (type & frequency): \_\_\_\_\_
- ☐ Reptile Surveys (type & frequency):
  - ☐ Turtles: \_\_\_\_\_
  - ☐ Snakes: \_\_\_\_\_
  - ☐ Other: \_\_\_\_\_
- ☐ Bat Habitat Surveys (type & frequency):
  - ☐ Bat Habitat and/or Cavity Surveys: \_\_\_\_\_
  - ☐ Bat Acoustic Surveys: \_\_\_\_\_

### Terrestrial (Upland and Lowland) (continued):

- ☐ Mammal Surveys (other than Bats) (type & frequency): \_\_\_\_\_
- ☐ Winter Wildlife Surveys (type & frequency): \_\_\_\_\_

#### Insect Surveys (type & frequency):

- ☐ Butterflies (Lepidoptera): \_\_\_\_\_
- ☐ Dragonflies / Damselflies (Odonata): \_\_\_\_\_
- ☐ Other: \_\_\_\_\_
- ☐ Species at Risk (SAR) Specific Surveys (type & frequency): \_\_\_\_\_

- 
- ☐ Significant Wildlife Habitat (SWH) Specific Surveys (type & frequency): \_\_\_\_\_

- 
- ☐ Other: \_\_\_\_\_

### Supporting Concurrent Studies/Investigations Required:

- ☐ Hydrogeological/Groundwater: \_\_\_\_\_
- ☐ Surface Water/Hydrology: \_\_\_\_\_
- ☐ Water Balance (feature and/or site-based): \_\_\_\_\_

#### Fluvial Geomorphological (type & frequency):

- ☐ Headwater Drainage Feature (HDF) Assessment: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

- ☐ Geotechnical: \_\_\_\_\_
- ☐ Tree Inventory (specify where on Subject Lands): \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

## **Required Assessment and Evaluation of Significance:**

### **Federal:**

- ☐ Fish Habitat
- ☐ Other Federal: \_\_\_\_\_
- ☐ Species at Risk

### **Provincial:**

- ☐ Provincially Significant Wetlands
- ☐ Significant Woodlands
- ☐ Significant Valleylands
- ☐ Significant Wildlife Habitat (Ecoregion 7E)
- ☐ Areas of Natural & Scientific Interest
- ☐ Fish Habitat
- ☐ Water Resource Systems (specify): \_\_\_\_\_
- ☐ Provincially Endangered or Threatened Species (specify if known): \_\_\_\_\_

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### **Municipal - City of London:**

- ☐ Environmentally Significant Areas (ESA), Potential ESA
- ☐ Significant Woodlands, Woodlands
- ☐ Significant Valleylands, Valleylands
- ☐ Wetlands, Unevaluated Wetlands
- ☐ Significant Wildlife Habitat
- ☐ Unevaluated Vegetation Patches (Map 5)
- ☐ Other Vegetation Patches >0.5 ha (unmapped)
- ☐ Potential Naturalization Area
- ☐ Other: \_\_\_\_\_

### **Impact Assessment (Required for all EIS):**

- ☐ Impact Assessment
- ☐ Impact Assessment and Net Effects Table

## **Environmental Management Recommendations (Required for all EIS and SLSR, and may be required for other natural heritage studies):**

Environmental Management

- ☐ Recommendations: \_\_\_\_\_
- ☐ Environmental Management Plan (as a stand-alone appendix or report): \_\_\_\_\_
- ☐ Specifications & Conditions of Approval: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

## **Environmental Monitoring (Required for all EIS and may be required for SLSR and other natural heritage studies):**

- ☐ Baseline Monitoring (specify framework or more detailed plan): \_\_\_\_\_
- ☐ Construction Monitoring (specify framework or more detailed plan): \_\_\_\_\_
- ☐ Post-Construction Monitoring (specify framework or more detailed plan): \_\_\_\_\_

## **Other natural heritage study-specific requirements:**

\_\_\_\_\_

## **Rationale and Explanatory Notes:**