

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): _____

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: