

**ATTACHMENT H**



## City of Portland

# Terrestrial Ecology Site Assessment Short Form



### Purpose

The Terrestrial Ecology Site Assessment Form is a tool that can be used to integrate terrestrial ecology elements into city projects. The **Short Form** is designed for use in the early phase of project development (e.g., 30% design stage or *preferably earlier*) or during consideration of possible land acquisitions. It is intended to be used during initial site visits, in order to capture general information about the terrestrial ecology features of a site and preliminary thoughts and recommendations regarding possible restoration actions.

The **Long Form** is designed for use during follow-up visits, and is intended to record more detailed information that can be used in project planning and project design stages (e.g., 40 – 60 % design).

### How to Use This Site Assessment Short Form

The Short Form is designed for use in the field. To the extent possible, users should mark obvious physical and biological features on maps or aerial photographs. Similarly, general locations of potential actions should be indicated.

Resources useful in completing the Site Assessment Short Form include:

- Maps that delineate such things as:
  - The project area
  - Adjacent properties within one mile of the site
  - Topography
  - Water features
  - Easements
  - Outfalls, water lines and other utilities
  - Tax lots
  - Reveg polygons
- Two black and white aerial photographs—one for delineating habitats and marking key locations of habitat features, and one for recording action concepts or recommendations
- Digital camera (for recording site conditions and key features of interest)
- Field guides (e.g., native plants and trees, birds, amphibians, reptiles, mammals)
- Invasive species identification cards for both plants and animals
- Special Status Species List

## Background

Site or project name

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Person(s) conducting the site visit and contact information

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Description of project / Purpose of site assessment

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General description of site and surrounding area

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Watershed/Subwatershed

Site address or nearest intersection

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Access to site

Total acreage/size of project area

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Ownership

Public  Private

Additional comments

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## Site Visit Conditions

Date	Time
<b>General Weather Conditions</b> (e.g., temperature, precipitation)	

## Site Uses Observed

### Current Land Uses

<input type="checkbox"/> Open Space/Undeveloped	<input type="checkbox"/> Park	<input type="checkbox"/> Residential	<input type="checkbox"/> Industrial
<input type="checkbox"/> Business/Commercial	<input type="checkbox"/> Mixed	<input type="checkbox"/> Landscaped	
<input type="checkbox"/> Other:			

### Activities

<input type="checkbox"/> Pedestrian Trails	<input type="checkbox"/> Dog Walking	<input type="checkbox"/> Dirt Biking	<input type="checkbox"/> Garbage Dumping	<input type="checkbox"/> Homeless Camps
<input type="checkbox"/> Other:				

**Structures** (note locations on maps)

<input type="checkbox"/> Buildings	<input type="checkbox"/> Roads	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> Picnic Tables
<input type="checkbox"/> Culverts	<input type="checkbox"/> Outfalls	<input type="checkbox"/> Fences	<input type="checkbox"/> Tennis Courts
<input type="checkbox"/> Soccer/Ball Fields	<input type="checkbox"/> Boat Docks	<input type="checkbox"/> Boat Ramps	<input type="checkbox"/> Parking Lots
<input type="checkbox"/> Other:			

**Natural Features**

**Water** (note locations on maps)

Type (e.g., pond, lake, river, stream, wetland, spring, seep)	Condition (e.g., pristine, degraded)	If wetland, isolated or connected to stream?

**Habitat Types** (note locations on maps)

<input type="checkbox"/> Herbaceous wetland (rushes, sedges)	<input type="checkbox"/> Conifer Forest
<input type="checkbox"/> Shrub/scrub wetland (willow, rose, spirea)	<input type="checkbox"/> Mixed deciduous/conifer forest
<input type="checkbox"/> Forested wetland (ash, cottonwood, willow)	<input type="checkbox"/> Prairie/grassland
<input type="checkbox"/> Forested riparian habitat (cottonwood, alder, big-leaf maple)	<input type="checkbox"/> Oak woodland (oak, madrone)
<input type="checkbox"/> Urban/landscaped	<input type="checkbox"/> Other:
<b>Comments:</b>	

**Tree, Shrub, and Herbaceous Plant Species**

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**Invasive Plant Species**

Shaded boxes indicate Early Detection/Rapid Response (EDRR) species. Please report location, patch size and cover class to Mitch Bixby (503/823-2989; [mitch.bixby@bes.ci.portland.or.us](mailto:mitch.bixby@bes.ci.portland.or.us)). Percent cover is percentage of entire site and can be estimated as follows: 1 = <1% (i.e., just a few plants); 2 = 1-10%; 3 = 10-20%; 4 = 20-40%; 5 = 40- 60%; 6 = 60-80%, 7 = 80-100%).

EDRR Plant Species	Cover Class	Other Species	Cover Class		Cover Class
<input type="checkbox"/> Knapweeds		<input type="checkbox"/> Tansy Ragwort		<input type="checkbox"/> Clematis	
<input type="checkbox"/> Garlic Mustard		<input type="checkbox"/> Parrots Feather		<input type="checkbox"/> Scot's Broom	
<input type="checkbox"/> Butterfly Bush		<input type="checkbox"/> Money Plant		<input type="checkbox"/> English Hawthorn	
<input type="checkbox"/> Spurge Laurel		<input type="checkbox"/> Holly		<input type="checkbox"/> Canadian Thistle	
<input type="checkbox"/> Giant Hogweed		<input type="checkbox"/> Indigo Bush		<input type="checkbox"/> Reed Canarygrass	
<input type="checkbox"/> Knotweed		<input type="checkbox"/> Purple Loosestrife		<input type="checkbox"/> English Laurel	
<input type="checkbox"/> Yellow Flag		<input type="checkbox"/> Himalayan Blackberry		<input type="checkbox"/> Other:	
<input type="checkbox"/> Gorse		<input type="checkbox"/> English Ivy		<input type="checkbox"/> Other:	

**Overall estimate of % native vs. non-native vegetation** \_\_\_\_\_

## Native Wildlife Species Observed or Heard

Invertebrates:
Amphibians:
Reptiles:
Birds:
Mammals:

**Other Evidence of Wildlife if Animals Are Not Observed** (e.g., woodpecker holes, tracks and droppings, chews, dens, rubs and scrapes):

## Species of Management Concern Observed (or evidence seen)

Shaded boxes indicate Early Detection/Rapid Response (EDRR) species. Please report locations to: Bennett Huffman, Oregon Department of Agriculture (503-452-0108), or the Invasive Species Hotline (1-800-525-0137).

<input type="checkbox"/> Bullfrog	<input type="checkbox"/> Red-eared slider (turtle)	<input type="checkbox"/> Domestic cat (feral)	<input type="checkbox"/> Domestic dog
<input type="checkbox"/> Snapping turtle	<input type="checkbox"/> Nutria	<input type="checkbox"/> Domestic ducks or geese	
<input checked="" type="checkbox"/> Emerald Ash Borer	<input type="checkbox"/> Asian Longhorned Beetle	<input type="checkbox"/> Other:	
<b>Comments:</b>			

## Features Potentially Useful to Wildlife

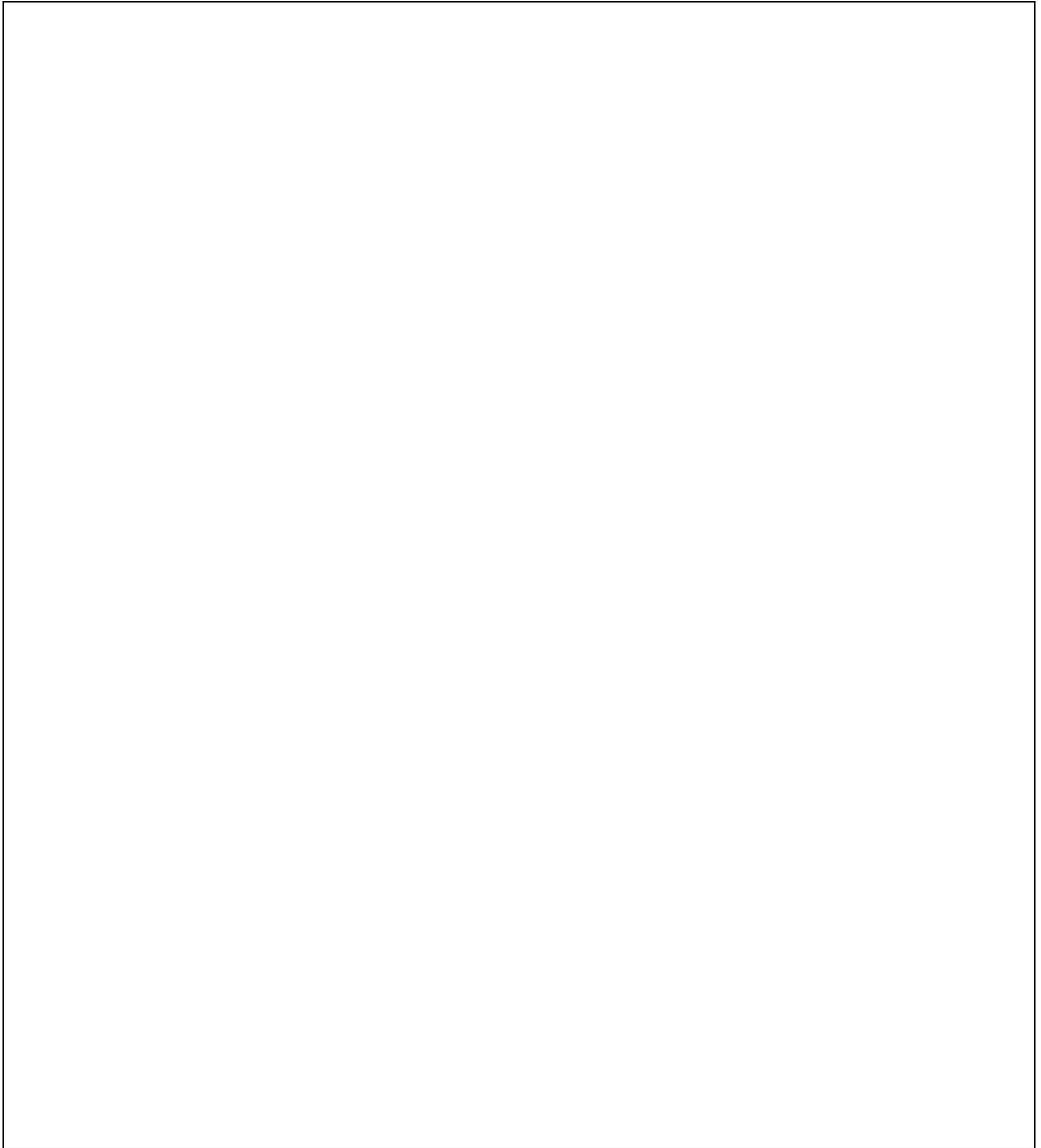
<input type="checkbox"/> Rock outcrop or butte	<input type="checkbox"/> Chimney	<input type="checkbox"/> Street trees
<input type="checkbox"/> Snags	<input type="checkbox"/> Downed Wood	<input type="checkbox"/> Large Stumps
<input type="checkbox"/> Riverine island	<input type="checkbox"/> Channel marker	<input type="checkbox"/> Utility pole/tower
<input type="checkbox"/> Beach/mudflat habitat (i.e., seasonally-flooded shallow areas)	<input type="checkbox"/> Semi-natural or cultivated landscapes (e.g., tree stands, vegetated areas or corridors, golf courses, water features)	<input type="checkbox"/> Stormwater facility (e.g., ecoroof, planter, swale)
<input type="checkbox"/> Bridge	<input type="checkbox"/> Floodplain	<input type="checkbox"/> Other:
<b>Comments:</b>		

## Potential Restoration and Enhancement Actions

*(check all that apply and note location on maps)*

Revegetation	
<input type="checkbox"/> Remove non-native plants/trees <input type="checkbox"/> Diversify tree/shrub/plant species and/or age class <input type="checkbox"/> Remove native competing trees (e.g., firs encroaching on oaks) <input type="checkbox"/> Other:	<input type="checkbox"/> Plant native species along streambank <input type="checkbox"/> Plant native species in upland areas <input type="checkbox"/> Plant street trees useful to wildlife
Habitat Features	
<input type="checkbox"/> Increase amount of downed wood/large woody debris <input type="checkbox"/> Erect bird nest box, platform, or other nesting structure <input type="checkbox"/> Other:	<input type="checkbox"/> Create brush piles for nesting, denning and cover <input type="checkbox"/> Install bat boxes or other bat-friendly features <input type="checkbox"/> Create snags
Hydrologic Modification	
<input type="checkbox"/> Daylight stream/remove culvert <input type="checkbox"/> Re-establish hydrologic conditions (e.g., flow, stream connectivity) <input type="checkbox"/> Other:	<input type="checkbox"/> Create amphibian pond <input type="checkbox"/> Create wetland
Connectivity	
<input type="checkbox"/> Remove barriers or human site constraints (e.g., fences, dikes, culverts) <input type="checkbox"/> Establish wildlife crossing (e.g., road underpass) <input type="checkbox"/> Other:	<input type="checkbox"/> Establish wildlife corridor (e.g., vegetated area between habitat patches) <input type="checkbox"/> Upgrade culvert or convert to bridge
Community Stewardship	
<input type="checkbox"/> Remove trash or conduct other cleanup <input type="checkbox"/> Other:	<input type="checkbox"/> Naturescape all or part of the site
Other	
<input type="checkbox"/> Acquire land or easement <input type="checkbox"/> Reduce/remove human disturbance <input type="checkbox"/> Modify stormwater project (e.g., ecoroof, planter, swale) <input type="checkbox"/> Conduct controlled burn <input type="checkbox"/> Other:	<input type="checkbox"/> Stabilize slope <input type="checkbox"/> Remove fill from wetland <input type="checkbox"/> Protect mature trees from beaver damage

Additional Notes (e.g., opportunities and constraints, high value because of size or location)



***Attach maps to the end of this document***

Questions? Contact Claire Puchy, Bureau of Environmental Services—Science, Fish and Wildlife Program  
503-823-3045; [clairep@bes.ci.portland.or.us](mailto:clairep@bes.ci.portland.or.us)