



# City of North Bend

## Habitat Assessment Worksheet

*"Excellence in Government – Pride in Service"*

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<http://northbendwa.gov>

- For projects within the floodplain that are NOT exempt from a habitat assessment. Projects that are exempt shall submit a habitat assessment exemption application.
- Projects proposing in-water work, occurring within shoreline or critical areas or buffers, or requiring mitigation or compensatory storage may be required to be prepared by a qualified professional.
- The habitat assessment worksheet shall be submitted with the floodplain development permit application.

### 1. Describe the Project Area

See attached JARPA for project area description. If no JARPA, complete the following section:

- a. Site Address: \_\_\_\_\_ North Bend, WA 98045
- b. Tax parcel number: \_\_\_\_\_
- c. Ownership:  Private  Public  Tribal
- d. Watershed name and WRIA: \_\_\_\_\_ Snohomish (7)
- e. Name, type, and distance from affected or neighboring waterbodies: \_\_\_\_\_
- f. Shoreline jurisdiction:  Yes  No
- g. Describe other affected or nearby critical areas or buffers:  N/A \_\_\_\_\_

### 2. Describe Project Area Characteristics

- a. Is project within Riparian Habitat Zone:  Yes  No
- b. Is project within the floodway:  Yes  No
- c. Is project within the channel migration zone:  Yes  No
- d. Is project within the protected area:  Yes  No
- e. Will native vegetation be removed:  Yes  No
- f. If project is outside of the protected area and native vegetation is proposed for removal, what percentage of the portion of the parcel within the floodplain will remain undeveloped after vegetation is removed:  N/A \_\_\_\_\_ %
- g. Percentage of impervious surface on portion of parcel within the floodplain: \_\_\_\_\_ %
- h. Percentage of new impervious surface on portion of lot within the floodplain: \_\_\_\_\_ %
- i. Attach map showing entire project area, parcel lines, water bodies, construction impact areas, existing and proposed structures, site topography, regulatory area boundaries, 10- and 100-year flood depths, stormwater facilities, and native vegetation distinguished by type.

**3. Protected Species Type and Site Investigation:**

Protected species within the greater King County area are shown in Table 1. North Bend is located 5 river miles upstream of the Snoqualmie Falls. No protected species or critical habitat is located above the Snoqualmie Falls. No essential fish habitat exists above the Snoqualmie Falls, as the rivers and streams within North Bend have never been accessible to salmon.

Table 1: Listed Species and Critical Habitat in or Near Project Area				
Common Name	Scientific Name	ESA Status	Critical Habitat Present	Project Effect*
Steelhead trout	Oncorhynchus mykiss	Threatened	None present	<input type="checkbox"/> NE <input checked="" type="checkbox"/> NLAA <input type="checkbox"/> LAA
Bull trout	Salvelinus confluentus	Threatened	None present	<input type="checkbox"/> NE <input checked="" type="checkbox"/> NLAA <input type="checkbox"/> LAA
Chinook salmon	Oncorhynchus tshawytscha	Threatened	None present	<input type="checkbox"/> NE <input checked="" type="checkbox"/> NLAA <input type="checkbox"/> LAA
Southern resident killer whale	Orcinus Orca	Endangered	None present	<input type="checkbox"/> NE <input checked="" type="checkbox"/> NLAA <input type="checkbox"/> LAA
* NE = No Effect, NLAA = Not Likely to Adversely Affect, LAA = Likely to Adversely Affect				

**4. Habitat Narrative** (attach separate sheet if more space is needed)     Critical Areas study attached.

- a. Describe the presence and quality of the natural features that support the species or critical habitat identified in Table 1:

No critical habitat or essential fish habitat exists above the Snoqualmie Falls, located 5 river miles downstream of North Bend. The City is developed with residential and commercial uses within the 100-year floodplain and few natural features exist except in the shoreline and critical areas and buffers protected by City regulations and within preserved open spaces throughout the City. The City’s critical areas ordinance and Shoreline Master Program protect the wetlands, river, streams, and riparian areas, preserving natural habitat and supporting water quality.

- This project is occurring on a previously disturbed site with no naturally functioning features, habitat, or shoreline or critical area buffers, and no natural features or habitat are proposed for disturbance or removal.
- This project is located on a previously disturbed site and naturally functioning features, habitat, and/or shoreline or critical area buffers exist in the project area. These areas will be marked prior to construction to ensure the project will not disturb or remove natural features or habitat.
- Other: \_\_\_\_\_

- b. Describe direct and indirect impacts to water quality, including temperature, groundwater and hyporheic changes, pollutants, and sediment:
- This project will comply with the City's stormwater regulations which include strict guidelines to protect water quality before, during, and after construction through compliance with the 2016 King County Surface Water Design Manual. Temporary and permanent soil erosion BMPs are required to limit the potential for runoff and sediment transport.
  - Other: \_\_\_\_\_
- c. Will impervious surfaces cover more than 10 percent of the portion of the lot within the floodplain? If yes, describe how there will be no net increase in the rate and volume of stormwater surface runoff.
- No. Less than 10 percent of the lot within the floodplain is covered by impervious surfaces, and there will be no increase in the rate and volume of stormwater surface runoff.
  - Yes. However, there will be no net increase in the rate and volume of stormwater surface runoff because this project will comply with the 2016 King County Surface Water Design Manual as required by the City's stormwater regulations, which requires low impact development techniques that mimic pre-development water patterns, frequency, and duration.
  - Other: \_\_\_\_\_
- d. Describe direct and indirect impacts to water quantity and flood storage capacity, including changes to flood velocity, volume, and storage:
- This project is located in a previously disturbed area and will not impact water quantity, velocity, volume, or flood storage capacity. The project will comply with the compensatory storage requirements within NBMC 14.12.070(B), (C), (F), and/or (G).
  - Other: \_\_\_\_\_
- e. Describe direct and indirect impacts to floodplain connectivity:
- This project is located in a previously disturbed area and will not impact floodplain connectivity. There are no proposed alterations to the flooding source. The project site is not hydrologically connected to the flooding source.
  - Other: \_\_\_\_\_
- f. Describe direct and indirect impacts to riparian vegetation:
- This project is located on a previously disturbed site and will not impact riparian vegetation. No riparian vegetation or critical area buffers exist in the project area.
  - This project is located on a previously disturbed site and riparian vegetation and/or shoreline or critical area buffers exist in the project area. These areas will be marked prior to construction to ensure the project will not disturb or remove riparian vegetation or critical area buffers.
  - Other: \_\_\_\_\_
- j. Describe how the structure or project is located to have the least impact on salmon and is designed to avoid adverse impacts to the floodplain:
- This project is located in a previously disturbed or cleared area.
  - Other: \_\_\_\_\_

- a. Describe direct and indirect impacts to the streams or rivers, including erosion, woody debris recruitment, fish refuge, habitat isolation, and spawning substrate:
- This project is located on a previously disturbed site with no nearby riparian vegetation, shoreline or critical area buffers. There is no in-stream work proposed by this project, and there will be no impact to the streams or rivers. The project site is not hydrologically connected to water sources and provides no habitat or refuge.
  - This project is located on a previously disturbed site and riparian vegetation and/or shoreline or critical area buffers exist in the project area. These areas will be marked to ensure the project will not disturb riparian vegetation or critical area buffers. The project site is not hydrologically connected to water sources and provides no habitat or refuge.
  - Other: \_\_\_\_\_

Habitat Assessment prepared by: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**For City Use Only:**

Identify 10- and 100-year flood depths:

- N/A
- 10-year: \_\_\_\_\_ NGVD 29 or \_\_\_\_\_ NAVD 88
- 100-year: \_\_\_\_\_ NGVD 29 or \_\_\_\_\_ NAVD 88

Habitat Assessment Standards, if applicable:

- New structures are located in the least impactful location, as practicable.
- There are no cumulative impacts.
- The proposal will result in no adverse effects to floodplain functions that support ESA listed salmonids.
- If outside of the protected areas, proposed mitigation improves floodplain functions and supports ESA listed species.
- If the project is in the protected area, no mitigation is proposed and the project as designed avoids detrimental impacts.

Determination:

- No Effect (NE): The project will have no effect whatsoever to the subject species and designated floodplain functions.
- May Affect, Not Likely to Adversely Affect (NLAA): Effects on the species or critical habitat are expected to be beneficial, discountable, or insignificant - even when considering direct, indirect, and cumulative impacts.
- Likely to Adversely Affect (LAA): The effect of the project will result in a short or long-term adverse effect on the identified species or floodplain functions.

City Reviewer: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_