



## King County

Department of Natural Resources and Parks  
**Parks and Recreation Division**  
King Street Center  
201 South Jackson Street, Suite 700  
Seattle, WA 98104  
<http://www.kingcounty.gov/parks>

### SEPA Environmental Checklist

#### A. BACKGROUND

**1. Name of proposed project, if applicable:**

Snoqualmie Valley Trail – Beaver Dam Repair and Wetland Restoration

**2. Name of applicant:**

King County Department of Natural Resources and Parks

**3. Address and phone number of applicant and contact person:**

David Sizemore, Senior Engineer  
King County DNRP, Parks and Recreation Division  
3005 NE 4<sup>th</sup> Street  
Renton, WA 98056  
206-477-7372 (SEPA)  
[KCParks.SEPA@kingcounty.gov](mailto:KCParks.SEPA@kingcounty.gov)

**4. Date checklist prepared:**

September 2017

**5. Agency requesting checklist:**

King County Department of Natural Resources and Parks

**6. Proposed timing or schedule (including phasing, if applicable):**

Construction was completed in August 2016; however, approval of the mitigation for associated impacts is still under review by King County Department of Permitting and Environmental Review (DPER). No additional alterations to the beaver dam or wetland are proposed at this time.

**7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

No

**8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

None

**9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain**

No

**10. List any government approvals or permits that will be needed for your proposal, if known.**

King County DEPR – Already Built Construction, Shoreline Exemption, Clearing and Grading Permit

**11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.**

In 2016 King County Parks obtained authorization from Washington Department of Fish and Wildlife to unblock a culvert outlet above the Snoqualmie Valley Trail near the Stillwater Wildlife Preserve. During this work, the associated beaver dam at the culvert inlet was modified by hand in error, which released water and negatively impacted the upstream wetland. King County Parks quickly returned the beaver dam to its original condition restoring the water level in the upstream wetland; however, due to the unexpected impacts King County Department of Development and Environmental Review (DPER) is requiring that King County Parks retroactively apply for a permit. This public notice is to inform the public of the permit application and request public comment on whether the corrective actions taken by King County Parks to restore the beaver dam and wetland appropriately mitigated for the previous work. No further modifications to the beaver dam is being proposed at this time.

**12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The project is located along the Snoqualmie Valley Trail near Stillwater Wildlife Preserve. The project site is located approx. 300 feet west of SR 203 Carnation Duvall Road NE. The site is 3.3 miles north of Carnation and 5.4 miles south of Duvall. From Carnation proceed north along Carnation-Duvall Road NE (SR 203) for 3.3 miles and turn left into a gravel parking lot for the Stillwater Wildlife Preserve (just after the Stillwater General Store). The project site is approx. 300 feet north along the Snoqualmie Valley trail.

The project site is on Snoqualmie Valley Trail at parcel # 0425079025, 0425079007 just north of 9347 Carnation-Duvall Road NE

TWN 25N, Range 7E, Section 4 NW quarter.

GPS Coordinates 47.68326 N, -121.9525 W

Legal description is attached.

## **B. ENVIRONMENTAL ELEMENTS**

### **1. Earth**

**a. General description of the site**

Flat

**b. What is the steepest slope on the site (approximate percent slope)?**

< 2%

**c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.**

Puget Silty Clay Loam

**d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.**

No

**e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.**

Approximately one cubic yard of material was removed from the beaver dam, by hand, and then subsequently returned to the beaver dam as a corrective action.

**f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.**

Yes, the material was removed from the beaver dam using hand tools. The flow of water could have caused minor erosion of beaver dam at the notch. As a corrective action, the material was replaced in the dam and was seeded and covered with erosion control blankets.

**g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?**

0%. No additional impervious surface was added,

**h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:**

Best Management Practices from the Stormwater Management Manual for Western Washington (2012) were employed. The work occurred during the summer and during a time of little or no precipitation. Temporary erosion and sediment controls were employed during the construction phase. The area was stabilized by seeding of planting impacted area and covering with erosion control blankets.

**2. Air**

**a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.**

There were no emissions during the construction phase. No heavy equipment was used on the project. The completed project did not generate any emissions.

**b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.**

No

**c. Proposed measures to reduce or control emissions or other impacts to air, if any:**

Best management practices were be used during construction phase to minimize emissions.

**3. Water**

**a. Surface Water:**

**1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

There is a wetland on the east side of the project site.

**2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Yes, The beaver dam is located within the wetland and on the east side of the Snoqualmie Valley trail. The beaver dam was built around the culvert inlet.

**3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

Approximately 1 cubic yard of material was removed from the beaver dam, releasing water, and then the same amount was subsequently replaced as a corrective action.

**4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.**

No

**5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

Yes

**6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

No

**b. Ground Water:**

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No runoff would result from the completed project

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

No

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The water level in the wetland went down temporarily when the beaver dam was modified. After the dam was repaired, the water level in the wetland was restored to its original level.

- d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The proposed work was performed on a day with little or no anticipated precipitation.

#### 4. Plants

- a. Check the types of vegetation found on the site:

deciduous tree: red alder, quaking aspen  
 evergreen tree: fir, cedar, pine  
 shrubs, salmonberry, willow  
 grass  
 pasture  
 crop or grain  
 Orchards, vineyards or other permanent crops.  
 wet soil plants: cattail, reed canary grass, sedge  
 water plants: water lily, eelgrass, milfoil, other  
 other types of vegetation

- b. What kind and amount of vegetation will be removed or altered?

None

- c. List threatened and endangered species known to be on or near the site.

None known

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Any disturbed areas had erosion control measures applied.

- e. List all noxious weeds and invasive species known to be on or near the site.

None known

#### 5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: common coot, songbirds, great blue heron, mallard, cormorant,  
other  
mammals: black tailed deer, beaver, muskrat  
fish:

**b. List any threatened and endangered species known to be on or near the site.**

Chinook salmon, Bull Trout are located nearby but not within the project area.

**c. Is the site part of a migration route? If so, explain.**

The existing beaver dam and blocked culvert limit fish passage upstream.

**d. Proposed measures to preserve or enhance wildlife, if any:**

The beaver dam has been left in place to preserve habitat in the area.

**e. List any invasive animal species known to be on or near the site.**

None known

**6. Energy and natural resources**

**a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.**

The completed project required no energy.

**b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.**

No

**c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:**

None needed

**7. Environmental health**

**a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.**

No.

**1) Describe any known or possible contamination at the site from present or past uses.**

None known

**2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.**

None

**3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.**

None.

**4) Describe special emergency services that might be required.**

None needed

**5) Proposed measures to reduce or control environmental health hazards, if any:**

None needed

**b. Noise**

**1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**

None

- 2) **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.**

Short Term – Noise was generated from hand tools.

Long Term - None

- 3) **Proposed measures to reduce or control noise impacts, if any:**

Construction was limited from 7 am to 4 pm

## 8. Land and shoreline use

- a. **What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.**

This project site is the Snoqualmie Valley Trail near Stillwater Wildlife Preserve. The Snoqualmie Valley Trail is used for passive recreation site used for hiking, mountain biking, and equestrian use.

- b. **Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?**

No

- 1) **Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:**

No

- c. **Describe any structures on the site.**

The site is the Snoqualmie Valley Trail. This is a 12 foot wide gravel travel used for passive recreation such as hiking and bicycle riding. The trail was originally a railroad. The top of the trail prism is approximately 10 feet higher than the surrounding ground.

- d. **Will any structures be demolished? If so, what?**

No

- e. **What is the current zoning classification of the site?**

A-35

- f. **What is the current comprehensive plan designation of the site?**

OS Open Space

- g. **If applicable, what is the current shoreline master program designation of the site?**

Resource Shoreline

- h. **Has any part of the site been classified as a critical area by the city or county? If so, specify.**

Wetland 2217, Class 1(a)

- i. **Approximately how many people would reside or work in the completed project?**

None

- j. **Approximately how many people would the completed project displace?**

None

- k. **Proposed measures to avoid or reduce displacement impacts, if any:**

None

- l. **Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:**

The completed project returns the site to its preexisting condition.

- m. **Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:**

None

## 9. Housing

- a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**  
None
- b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**  
Not Applicable
- c. **Proposed measures to reduce or control housing impacts, if any:**  
None

## 10. Aesthetics

- a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**  
No structures are proposed.
- b. **What views in the immediate vicinity would be altered or obstructed?**  
None
- c. **Proposed measures to reduce or control aesthetic impacts, if any:**  
None

## 11. Light and glare

- a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**  
None
- b. **Could light or glare from the finished project be a safety hazard or interfere with views?**  
No
- c. **What existing off-site sources of light or glare may affect your proposal?**  
None
- d. **Proposed measures to reduce or control light and glare impacts, if any:**  
None

## 12. Recreation

- a. **What designated and informal recreational opportunities are in the immediate vicinity?**  
The project site is the Snoqualmie Valley Trail. The Snoqualmie Valley trail is a passive recreation site used for hiking, equestrian use, and cycling.
- b. **Would the proposed project displace any existing recreational uses? If so, describe.**  
No
- c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:**  
The project will not have any negative impacts on recreation. The work to unblock the culvert was done in order to protect the Snoqualmie Valley Trail.

## 13. Historic and cultural preservation

- a. **Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.**  
No
- b. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site?**

**Please list any professional studies conducted at the site to identify such resources.**

No

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.**

None needed

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.**

None

#### **14. Transportation**

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.**

SR 203 Carnation Duvall Highway NE

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?**

Yes, Bus Route. 0.25 miles

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?**

None

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).**

No

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.**

No

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?**

None

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.**

No

- h. Proposed measures to reduce or control transportation impacts, if any:**

None

#### **15. Public services**

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.**

No

- b. Proposed measures to reduce or control direct impacts on public services, if any.**

Not Applicable

#### **16. Utilities**

- a. Circle utilities currently available at the site:** None

Electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

**C. SIGNATURE**

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

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

Name of Signee: David Sizemore, Senior Engineer

Position and Agency/Organization:

King County Department of Natural Resources and Parks, Parks and Recreation Division

Date Signed: 9/6/2017