SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background

1. Name of proposed project, if applicable:
   Raging River Trailhead
2. Name of applicant:
   WA State Department of Natural Resources, South Puget Sound Region
3. Address and phone number of applicant and contact person:
   Laura Cooper, 950 Farman Ave, North Enumclaw, WA 98022, (253) 740-0008
4. Date checklist prepared:
   Date July 12, 2019

5. Agency requesting checklist:

Washington State Department of Natural Resources (DNR)

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

The trailhead will be constructed in the next 5 years, contingent on funding.

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

None

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

- **Raging River Trailhead – Steep Slope Hazard Review***
- **Raging River Trailhead - Geotechnical Engineering Study***
- **Raging River Trailhead - Cultural Resources Assessment***
- **Raging River Trailhead - Stormwater Technical Report**
- **Snoqualmie Corridor Recreation Plan, WA State Department of Natural Resources, March 2015***
- **Washington State Department of Natural Resources Habitat Conservation Plan, Sep 1997, and October 1996 Habitat Conservation Plan FEIS. DNR, USFW Service, and National Marine Fisheries Service.***
- **South Puget HCP Planning Unit Forest Land Plan, Final EIS, January 2010, p. 85-87, and 165-171 covers more general recreation impact considerations related to forestry operations in this Unit.***

NOTE: Documents with an asterix are available upon request from DNR Region Office

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.

None known

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

Building Permit – King County
Health Permit – WA State Dept. of Health
Clearing and Grading Permit – King County
Clearing and Grading Permit – City of Snoqualmie
Construction Stormwater General Permit – WA State Department of Ecology
Forest Practices Application – WA State Department of Natural Resources
Change of Use Permit – King County (possible)
NEPA (abbreviated for small scale clearing and grading projects)

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. (Lead agencies may modify this form to include additional specific information on project description.)

The proposed Raging River Trailhead will be constructed as an addition to the existing Rattlesnake Mountain Trailhead in order to accommodate growing use levels by visitors who are accessing approximately 40 miles of new non-motorized trails that were recently constructed in the mountain biking zone in the southern part of the Raging River State Forest as part of the Snoqualmie Corridor Recreation Plan, adopted by DNR in 2015.

The existing Rattlesnake Mountain Trailhead was constructed in 2006 to provide hiking access to the Rattlesnake Mountain Trail and equestrian access to forest roads and includes 52 parking spaces (with 3 ADA accessible spaces) and 2 equestrian trailer spaces, a concrete vault toilet building, and an information kiosk. The new Raging River Trailhead will provide 90 additional parking spaces (with 4 ADA accessible spaces) as well as an additional concrete vault toilet building, information kiosk, and a small picnic shelter to accommodate the increasing use levels.

The proposed new Raging River Trailhead will be accessed directly from the existing Rattlesnake Mountain Trailhead via a new approximately 120ft connecting driveway. The proposed new trailhead will also be connected to the 8000 forest road in the Raging River State Forest via a new 30ft driveway, which will be gated. The proposed new trailhead will complement the design of the existing trailhead by utilizing asphalt paved parking areas with wheelstops and landscaped stormwater bioretention areas.

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 proposed trailhead addition is located in the DNR-managed Raging River State Forest on a parcel fronting on Winery Rd, within unincorporated King County, near I-90, Exit 27. The access drive connects the new Raging River Trailhead directly to the existing Rattlesnake Mountain Trailhead, which is located on a parcel that is owned by the United States Forest Service (USFS) and located within the limits of the City of Snoqualmie. While the proposed new parking facility is located entirely within the DNR-managed Raging River State Forest in King County, approximately 90ft of the new access drive will be located on the USFS-managed parcel in the City of Snoqualmie.

The Rattlesnake Mountain Trailhead and Snoqualmie Point Park are currently managed and maintained through an interagency agreement between the City of Snoqualmie, the U.S. Forest Service, and DNR in order to increase management efficiencies. The proposed addition to the Rattlesnake Mountain Trailhead will be incorporated into this inter-agency agreement when it is completed.

The DNR-managed parcel:

King County, Parcel: 012307-9026
SE Quarter, S01, T23N, R07

Legal Description: E 1/2 OF SE 1/4 TGW SW 1/4 OF SE 1/4 TGW PORTION OF SE 1/4 OF NE 1/4 LY SLY OF STATE HIGHWAY NO 2 (SR 90 ECHO LAKE TO TANNER) SUBJECT TO BONNEVILLE POWER LINE EASEMENT LESS CO ROAD

The U.S. Forest Service-managed parcel:

City of Snoqualmie, Parcel: 062308-9007
NW Quarter, S06, T23N, R08

Legal Description: LOT 2 OF CITY OF SNOQUALMIE SHORT SUBDIVISION NO 00-01 RECORDING NO 20000229900003 SAID SHORT SUBDIVISION DEFINED SE 1/4 OF NW 1/4, GOV LOTS 3 & 5 AND SW 1/4 OF NE 1/4 OF SECTION 06-23-08 LESS PORTIONS FOR STATE HIGHWAY LESS PORTION OF GOV LOT 3 LY NELY OF STATE HIGHWAY

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

(circle one): **Flat**, rolling, hilly, **steep slopes**, mountainous, other _____

The proposed site is located on a bench at the base of Rattlesnake Mountain. The bench slopes to the west at 5-15% before dropping approximately 20ft into a small gully with up to 40% slopes. To the east and north of the site are slopes that were cut down 10-20ft at approximately 40% when Winery Road and the Rattlesnake Mountain Trailhead were constructed. See Steep Slope Hazard Review for additional information.

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

The steepest slopes are approximately 40% including natural slopes in the gully to the west and at the cut slopes to Winery Rd. to the north and to the existing trailhead to the east. See question A.8 and Steep Slope Hazard Review for additional information.

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.

The soils are Tokul gravelly medial loam, 15 to 30 percent slopes. The soils are moderately well drained with low erosion potential and a soil depth of approximately 20-40 inches. See question A.8 and Geotechnical Engineering Study for additional information.

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.

The project will require clearing and grading of undeveloped forest to construct asphalt paved parking areas, connecting driveways, and vegetated bioretention areas. The cleared areas surrounding the new parking area will be replanted and restored with native trees and shrubs to match the surrounding forest. Proposed surface areas and clearing and grading quantities are provided below for the total project which is located on two parcels. The quantities are also broken down by parcel, with the majority of the trailhead located on the DNR-managed parcel and a small portion of a connecting driveway located on the USFS-managed parcel:

	TOTAL PROJECT (located on two parcels)	King County (DNR-Managed) Parcel 012307-9026 (160 acres)	Snoqualmie (USFS-Managed) Parcel 062308-9007 (17.24 acres)
Cleared Area	2.47 acres	2.16 acres	0.31 acres
Paved Areas (asphalt & concrete)	1.15 acres	1.10 acres	0.05 acres
Vegetated Bioretention Areas	0.38 acres	0.38 acres	None
Restoration planting Areas	0.94 acres	0.68 acres	0.26 acres
Vault Toilet Building	174 SF	174 SF	None
Cut	5822 CY	4742 CY	1080 CY
Fill	5022 CY	5022 CY	None
Net	780 CY Cut	280 CY Fill	1089 CY Cut

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

Some erosion could occur temporarily as the site is cleared and graded during construction. Very little erosion is anticipated once the trailhead is completed because the trailhead utilizes asphalt parking surfaces and bioretention facilities to manage stormwater and is surrounded by undeveloped forest.

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

Parcel 012307-9026 (King County, DNR-Raging River State Forest): 160.00 acres

- **Existing Impervious Surface: Gravel Forest Roads= 3.07 acres (1.91% of site)**
- **Existing + New Imprevious Surface = 3.07+1.10 = 4.17 Acres (2.60% of Site)**

Parcel 062308-9007 (Snoqualmie, USFS-Rattlesnake Mountain Trailhead) = 17.24 acres

- **Existing Impervious Surface: Asphalt Parking + Gravel Forest Roads = 2.38 Acres (13.81% of site)**
- **Existing + New Impervious Surface = 2.38+0.05 = 2.43 Acres (14.10% of site)**

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

Temporary Erosion and Sediment Controls (TESC) will be utilized during construction including cobbled construction entrances, check dams, high visibility plastic fencing, and silt fencing. A Certified Erosion and Sediment Control Lead (CESCL) will monitor the site regularly during construction and implement Best Management Practices (BMPs) as needed to address erosion issues as they arise. The forest road will be used as the primary construction entrance to minimize impacts and sediment delivery to the existing Rattlesnake Mountain Trailhead during construction. The developed parking area will be paved and stormwater will be directed into bioretention areas that will store and control flows and treat the stormwater as it infiltrates back into the ground.

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.

Construction is anticipated to take three to four months, during which time emissions from construction equipment would occur during weekday work hours. Once completed, there will be localized emissions from cars parking in the trailhead.

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

None known

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

Construction will be completed as efficiently as possible to limit the period of construction related impacts. The developed project will be surrounded by a forested buffer and has landscaped areas throughout to help catch emissions and filter airborne dust.

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.

No.

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.

No.

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.

None.

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.

No

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. **Proposed restroom is a concrete vault toilet building that will be pumped regularly.**

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.

Stormwater that falls on the proposed trailhead will be directed to bioretention areas and stored while it filters back into the ground. Overflow from the bioretention areas is dispersed back onto the forest floor to be absorbed or drain toward the existing gully as it had before. Runoff falling on the approximately 3000sf area of new driveway that connects to the Rattlesnake Mountain Trailhead will flow eastward toward the Rattlesnake Mountain Trailhead and be diverted into the existing trailhead swales. Stormwater from the existing gully and trailhead is eventually collected by ditches on Winery Road and directed northward across the road via culverts and dispersed onto a large forested slope. Water from the forested slope is conveyed across I-90 and enters an unnamed tributary of Coal Mine Creek

approximately 1/3 mile from the project site. Coal Mine Creek flows into Kimball Creek, which flows into the Snoqualmie River.

2) Could waste materials enter ground or surface waters? If so, generally describe.
This proposal will have minimal effect on ground and surface water. There is no surface water on site or in the immediate vicinity, and based on the geotechnical study, the depth to permanent groundwater is 100ft below the surface. Any sediment or oil drippings from vehicles would be washed away with stormwater runoff and diverted into bioswales where the stormwater will be cleaned as it infiltrates into the ground. The proposed restroom is a concrete vault toilet that will be pumped regularly. During construction, TESC measures will be utilized to manage stormwater on site.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.
The proposal will have a minimal effect on overall drainage patterns. The existing site slopes gently to the west and then drops into a small gully. The gully floor was observed to be fully vegetated in sword ferns with no evidence of standing or flowing water during several site visits including visits during heavy rainfall, indicating that most stormwater is absorbed directly into the forest floor close to where it lands. This observation was supported by a geotechnical analysis that found that the site is covered by a 6-20" layer of organic duff with well drained soils underneath. Stormwater that lands on the proposed asphalt paved surfaces of the trailhead will be directed to bioretention areas that will capture stormwater and allow it to infiltrate back into the ground as it had before. In the event of a major storm, stormwater from the bioretention areas can overflow back onto the forest floor and drain toward the gully as it had before. Stormwater that falls onto the driveway connector will continue to flow eastward down the cut slope as it had before and will be captured by the existing swales of the Rattlesnake Mountain Trailhead.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:
TESC measures including check dams and silt fencing will be utilized to manage stormwater during construction. The developed trailhead will utilize swales and culverts to conduct stormwater into bioretention areas that will store peak flows and allow them to infiltrate back into the ground.

4. Plants

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

_X_ deciduous tree: **alder**, **maple**, aspen, other
_X_ evergreen tree: fir, **cedar**, pine, other **Douglas fir**, **Hemlock**
_X_ shrubs
____ grass
____ pasture
____ crop or grain
____ Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____ water plants: water lily, eelgrass, milfoil, other
_X_ other types of vegetation **sword fern**

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

The site is covered in a 30-40 year old stand dominated by Douglas fir with western hemlock and alder and a sword fern understory. Approximately 2.47 acres of this undeveloped forest will be cleared and graded to create the proposed trailhead. The proposed condition will include approximately 1.15 acres of asphalt and concrete surfaces and 0.38 acres of vegetated bioretention areas, using native plants. Approximately 0.94 acres of cleared areas surrounding the new trailhead will be restored with native trees, shrubs and understory plants to match the surrounding forest.

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:

Cleared areas surrounding the proposed parking areas will be restored with native forest vegetation. Bioretention areas will be planted in native species.

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

None observed.

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: **hawk**, heron, **eagle**, songbirds, other:
mammals: **deer**, **bear**, **elk**, beaver, other: **cougar**
fish: bass, salmon, trout, herring, shellfish, other _____

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

None Known

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

Not known to be part of a migration route.

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

The proposed project is located adjacent and connected to an existing trailhead in order to concentrate new impacts in an area that is already impacted. The trailhead is designed to be efficient and compact in order to minimize the footprint.

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.

No utilities are proposed

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:

Not applicable

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.

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 Known

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.

The proposed concrete vault toilet building stores human waste and will be pumped regularly. Signs at the information kiosk will educate users about "Leave No Trace" principles.

4) Describe special emergency services that might be required.

The proposed trailhead addition will improve recreational access to trails and forest roads in Raging River State Forest and Rattlesnake Mountain Scenic Area. Emergency services may be required to aid a lost or injured recreationist and the trailhead and trails will need to be closed in the event of a forest fire. The proposed trailhead will improve the ability to manage emergencies by providing a large staging area directly connected to the forest road system and a focal point where information can be diseminated to the public.

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

The concrete vault toilet building will be pumped regularly.

b. Noise

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

Existing noises include: The distant noise of cars driving on I-90, and the noise of slow moving cars and car doors from cars parking in the Rattlesnake Mountain Trailhead and along Winery Road.

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.

Construction times will comply with county regulations. When completed, there will be some noise from cars parking in the new spaces provided by the proposed trailhead addition. The new addition will provide a designated place to park for people who are currently parking on Winery Road.

3) Proposed measures to reduce or control noise impacts, if any:
The proposed project is surrounded by undeveloped forest and incorporates landscaped bioretention areas that will help to muffle noises from parking cars.

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.
The proposed trailhead site is located in the 11,203 acre Raging River State Forest, which is managed to produce income for schools, universities, state institutions and county services while also providing ecosystem services such as carbon sequestration, water filtration, and habitat for flora and fauna and opportunities for outdoor recreation. To the east of the site and directly adjacent is the Rattlesnake Mountain Trailhead, which is also connected to Snoqualmie Point Park. By adding parking, the proposed project will increase the overall parking capacity of this popular recreation hub, located at the end of Winery Road, accommodate rising use levels, and improve public access to Rattlesnake Mountain Scenic Area and Raging River State Forest.

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?
Approximately 2.47 acres will need to be converted from working forest into a recreation site.

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:
Recreational use is highest on weekends when forest management activities are not occurring. Some trails will be temporarily closed during active forestry operations. Notice of trail closures will be posted at the trailhead.

c. Describe any structures on the site.
There are no existing structures on site. The project will include a new concrete vault toilet building and a new picnic shelter.

d. Will any structures be demolished? If so, what?
No. There are no existing structures on site.

e. What is the current zoning classification of the site?
Proposed Raging River Trailhead Site: King County Forest Zone (F)
Existing Rattlesnake Mountain Trailhead: City of Snoqualmie Open Space Zone (OS-1)

f. What is the current comprehensive plan designation of the site?
King County Forest Production District

g. If applicable, what is the current shoreline master program designation of the site?
Not Applicable

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

No

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

None, the project will not be staffed. Recreational use is day use only.

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

None

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

Not Applicable

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

State trust lands provide recreation and public access as directed by the Multiple Use Concept (RCW 79.10) where such uses are compatible with trust obligations. The proposed trailhead design is compact to minimize the impacted area. The public will access the proposed trailhead addition from the Rattlesnake Mountain Trailhead so that the 8000Rd which is a mainline forest road will not be impeded by people entering and leaving the trailhead. The access to the 8000 Forest Road will be gated to the public. Notices of trail closures and forest management activities will be posted in the trailhead.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

The approximately 2.47 acres that is occupied by the proposed trailhead and stormwater facilities will be leased from the trust as a recreation site in order to compensate the trust for the area that has been taken out of timber production.

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.

None

c. Proposed measures to reduce or control housing impacts, if any:

None needed

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?

The concrete vault toilet building will be 12ft tall. The picnic shelter will be approximately 15ft. high. Both are below the maximum 35ft height allowed.

b. What views in the immediate vicinity would be altered or obstructed?

The proposed trailhead addition will be buffered from Winery Road by a forested slope. The proposed trailhead will only be visible from the existing Rattlesnake Mountain Trailhead to which it is connected.

b. Proposed measures to reduce or control aesthetic impacts, if any:

The proposed trailhead will be surrounded by undeveloped forest and includes landscaped bioretention areas and restoration plantings.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The proposed trailhead provides daytime access to trails. There are no lights proposed. There may be some glare from chrome finishes on parked cars and mountain bikes. The concrete vault toilet building and picnic shelter will be constructed of non-reflective surfaces. The standing seam metal roofing on the picnic shelter will be a matt color that blends with the surrounding forest.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No. The project is surrounded by trees and is not visible from surrounding areas.

c. What existing off-site sources of light or glare may affect your proposal?

There are no existing off-site light sources in the vicinity of the trailhead.

d. Proposed measures to reduce or control light and glare impacts, if any:

None needed. The proposed trailhead does not have any utilities.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

Snoqualmie Point Park and the Rattlesnake Mountain Trailhead are both located at the end of Winery Road. Snoqualmie Point Park has 23 parking spaces, restrooms, a lawn, and picnic shelter with views Mount Si and is occasionally used as a venue for cultural events. The Rattlesnake Mountain Trailhead has 52 parking spaces plus 2 equestrian trailer spaces, a toilet, and an information kiosk and provides hiking access to the Rattlesnake Mountain Trail in the Rattlesnake Mountain Scenic Area and to mountain biking trails in the Raging River State Forest, many of which are also open to hikers. The trailhead also provides equestrian access to forest roads.

b. Would the proposed project displace any existing recreational uses? If so, describe.

The proposed project will increase the parking capacity of this popular outdoor recreation destination by adding approximately 90 parking spaces.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None needed. This project will improve public safety and congestion by providing a designated parking facility with toilets and information for people who are currently parking on the shoulder of winery road.

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 ? 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.

None known

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.

A cultural resources review was completed by a DNR staff cultural resources specialist reviewing the DAHP database, Statewide Predictive Model, site topography, and landscape features. No known historic and cultural sites were identified in the project area. An E0505 Review letter was sent to the Department of Archeology and Historic Preservation (DAHP) on July 8, 2014. A letter of concurrence was received back from DAHP on the same day. EZ forms describing the project were also sent to the Snoqualmie Tribe, Tulalip Tribes, Muchleshoot Indian Tribe, and the Puyallup Tribe of Indians on September 16, 2014. No comments have been received from the Tribes.

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.

All DNR construction contracts contain an inadvertent discovery clause in case artifacts are uncovered during construction. In such a case, construction would be halted to allow time for cultural resources specialists and affected Tribes to review the findings and determine next steps.

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.

Winery Road is located just south of I-90 Exit 27. The proposed trailhead addition will be accessed from inside the Rattlesnake Mountain Trailhead which is located at the end of Winery Road, on the south side.

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?

The nearest public transit stop is located approximately 4.4 miles away in Downtown North Bend (Route 208).

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

The project provides 90 additional parking spaces. No existing parking spaces will be eliminated as a result of this proposal.

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).

The project will NOT require any improvements to existing roads. The new trailhead addition will utilize the existing entrance and access drive from the Rattlesnake Mountain Trailhead.

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?

Because most recreational use occurs on weekends, the recreational use associated with the proposed project should not affect weekday commutes or weekday timber management activities. There are no residential or commercial properties on Winery Road. The project is anticipated to improve congestion and safety by providing additional parking for people who are currently parking on Winery Road when the existing Rattlesnake Mountain Trailhead is full.

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.

Conflicts are not anticipated because forest management activities occur during the week when recreational use levels are low.

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

None needed.

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.

Emergency services may be needed to aid a lost or injured recreationist or to fight a forest fire. The proposed project is not anticipated to increase the risk of accidents, but rather is anticipated to improve public safety by providing a safe and organized parking area with a designated entrance with toilets and information. The proposed trailhead can also serve as an improved staging area for emergency operations because it provides direct managed access to the forest roads.

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

None needed.

16. Utilities

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

There are no utilities on site.

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.

No Utilities are proposed.

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: Laura Cooper

Name of signee: **Laura Cooper**

Position and Agency/Organization: **Parks Planner, WA State DNR, SPS Region**

Date Submitted: **July 12, 2019**