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 [HELP]

1. Name of proposed project, if applicable:

Cougar Canyon Underburn

2. Name of applicant:
Washington Department of Fish & Wildlife (WDFW)

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

Contact: Ben Hartmann
Address: Oak Creek Wildlife Area Office, 16601 US Hwy 12, Naches, WA 98935
Phone: 509-929-1641

4. Date checklist prepared:

July 8th, 2019

5. Agency requesting checklist:

Washington Department of Fish & Wildlife (WDFW)

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

August 1st, 2019

- **Start date reflects approximate timing for unit preparations for initial WDFW treatment**
- **Area may have subsequent prescribed fire treatments occurring at 5-25 year intervals according to resource objectives and monitoring results**

There will be down time for weather and/or wildlife habitat considerations

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

A. **Fireline Rehabilitation: Fireline constructed for prescribed fire operations will be rehabilitated appropriately based on their method of construction (ie, hand tools, equipment, etc).**
B. **Weed spraying along roads used as fireline as needed.**
C. **Reforestation: Planting of fire & drought adapted tree species such as Oregon white oak, ponderosa pine, and western larch may occur to supplement natural regeneration as needed.**
D. **Stream Enhancement: Future projects to promote seasonal instream flow may occur within the project area.**

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

- **2017 Oak Creek Wildlife Area Management Plan – Forest Management Plan**
- **WDFW Priority Habitat and Species Management Recommendations**
- **Maps showing: soil tybe, erosion potential, soil stability, and hydrologic maturity from NRCS County Soil Survey data**

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

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

A. DNR Forest Practice Notification/Application (FPN/A)
B. DNR Burn 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. (Lead agencies may modify this form to include additional specific information on project description.)

The Cougar Canyon Underburn is intended to improve the ecological integrity of the forest landscape, benefitting multiple wildlife species and reducing the risk of catastrophic wildfire. This will be achieved by increasing the relative abundance of fire & drought resistant trees like ponderosa pine & western larch, reducing fuel load and connectivity to overstory trees, and increasing cover of native understory vegetation.

Approximately 235 acres across 2 units will be underburned in stands commercially and non-commercially thinned in 2000. Current stand composition is variable across the project area, from closed-canopy Douglas-fir to open ponderosa pine. Patches of small trees, and areas of open grass/shrubland are scattered within the forest landscape. Across the project area, moderate levels of conifer slash less-than (<) 8 inches diameter are still present from past thinnings, particularly in closed-canopy Douglas-fir stands.

In order to facilitate burn operations, this project will include approximately 12,060 feet (2.28 miles) of road maintenance, 2,050 feet (0.39 miles) of fireline constructed by equipement on old skid trails, and the remaining 13,254 feet (2.51 miles) of fireline constructed with handtools. Additional tree cutting & pruning may also occur along fireline and roads to improve unit containment. Achievement of burn objectives will be evaluated with a combination of pre/post-treatment photo points, walkthrough stand exams, and installed fire effects monitoring plots.

(Additional information including detailed resource objectives are available on request)

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 Cougar Canyon Underburn is located approximately 8 miles west of Naches and 5 miles southeast of Nile, along a ridge dividing Cougar Canyon & Maloy Canyon within the Naches River Drainage. It is part of the WDFW Oak Creek Wildlife Area in Yakima County. The units are located in part of Sections 19 & 29 of Township 15 North, Range 16 East W.M. (See attached project map for the location of individual units). Within the project area, pink flagging designates unit boundaries/locations of handline, and orange-black striped flagging designates road maintenance areas/dozer line. Blue flagging designates riparian features such as springs/seeps, road crossings needing repair/improvement, and channel profile measurement areas for stream typing.

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

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

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

70%

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.

Soils on the project area are generally stony to very stony loams that are well-drained with a moderate potential for erosion. They support natural vegetation such as conifer trees (ponderosa pine, Douglas-fir, western larch), hardwood shrubs (oceanspray, woodrose, rocky mountain maple), and herbaceous species (pinegrass, arrowleaf balsamroot).

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

None

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.

None

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

Minor erosion could occur from equipment use on old skid trails and roads improved for access and fire containment. If erosion does occur, mitigation measures including installation of straw bales, straw waddles, water bars, drain dips and grass seeding will be used as necessary. Additionally, equipment use during unit preparation will be stopped until mitigation measures are in place.

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

None

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

- **Ground based equipment will not be allowed on continuous slopes in excess of 40%**
- **Skid trails bladed for fireline will be water barred appropriately following burn operations as per monitoring/patrol of units by the Burn Team & WLA Staff**
- **At the discretion of the WLA Manager & Forester, equipment constructed fireline on steeper slopes will be seeded with a certified weed-free, native seed mix as per WLA Manager recommendations**

2. Air [help]

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.

The proposal will result in a temporary increase in vehicle emmisions from equipement used for fireline construction and firefighter transport vehicles such as engines, trucks, and water tenders. Smoke emissions from natural vegetation and slash will be approved daily through WA DNR. Fuel loading calculations project an average of 18.43 tons/acre, which at 85% consumption level would result in emmisions 15.67 tons/acre burned.

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

None

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

Units will be ignited following Washington State Smoke Management Rules, with daily smoke approval determined by DNR. Whenever possible, the atmospheric conditions during ignition should disperse smoke with no significant impact to adjacent towns (Nile, Naches, and Yakima). The burned area will be extinguished (mop-up) within 25 feet of firelines after unit ignition. Additional smokes farther interior, such as stump holes, large logs, and areas of deep conifer needles will be extinguished as needed.

3. *Water* [help]

a. Surface Water: [help]

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.

The project area has two unnamed streams. The primary stream originates a few miles off the project site on adjacent state land, and the secondary stream originates at a spring/wet seep outside the proposed burn unit. The secondary stream merges with the primary approximately 200 feet after the spring/seep. Surface flow of the primary segment is broken by sections where a defined channel is absent, and road crossings where sediment build-up impede flow through existing culverts. Some sections of the primary stream are deeply scoured, and some of the banks are persistently undercut by seasonal high water flow. The stream eventually reaches the Naches River approximately 1.67 miles down stream from the project area.

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.

Two rocked road crossings will replace sediment filled culverts. The surface flow of the unnamed stream is impeded, with flow occuring across the road surface before reentering the main channel. Part of the above ground flow is also diverted into the road ditch.

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.

Water from the stream may be used to fill fire engines and hoses used for burn containment if flow is determined sufficient to support operations depending on the season (Spring or Fall). Each engine has an approximate capacity of 300-500 gallons. Off site water support from water tender trucks will be used if flow is insufficient to support operations and wildlife habitat.

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: [help]

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.

N/A

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.

N/A

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.

Spring runoff from snow melt and rainfall runoff could occur on the forest floor, roads, and firelines. Water will be dispersed back into undisturbed forest areas for natural filtration through vegetation and soil. Runoff intercepted by roads and ditches will be diverted through existing culverts, water bars, drain dips and ditches to the forest floor. Under extreme weather events, runoff could reach nearby streams.

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

There is a remote chance that fuel or oil associated with equipment operations could be spilled and potentiall enter ground or surface waters. Equipment operators will be required to have an approved spill kit in each piece of equipment to contain and clean up spills if they occur. Fuel storage is only allowed in approved areas. Contractors and/or WDFW staff will notify the appropriate Department of Ecology Office immediately after a spill occurs.

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

N/A

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

- **Ground based equipment will not be allowed on continuous slopes in excess of 40%**
- **Skid trails bladed for fireline will be water barred appropriately following burn operations as per monitoring/patrol of units by the Burn Team & WLA Staff**

- **Manage ignitions in Core Zone (30 feet from bankfull width) of unit interior Ns to maintain >/= 70% live vegetation (prior to next growing season) to buffer surface storm water runoff. Exclude from ignitions with scratchline if needed.**
- **At the discretion of the WLA Manager & Forester, equipment constructed fireline on steeper slopes will be seeded with a certified weed-free, native seed mix as per WLA Manager recommendations**

4. Plants [help]

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

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

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

Vegetation within burn units will be variably consumed by the prescribed fire. The range of weather conditions and predicted fire behavior/effects associated with them will limit consumption of vegetation to dead/dormant portions of the plant, leaving the root systems and resprouting areas intact. Unburned areas more than 30 feet from exterior firelines will not be relit to provide mosaic of untreated vegetation, affecting up to 30% of the project area.

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

None

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

One of the objectives of the prescribed fire is to increase the cover of native understory grasses and herbs where there are currently accumulations of dead wood. Additionally, the consumption of dead/decadent portions of exisiting understory vegetation stimulates growth by increasing available nutrient content of soils. Native seed mixes will be applied as needed along firelines during post-burn rehab. Pre and post-burn monitoring will track vegetation progress, guiding future maintenance treatments.

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

Knapweed, Thistle, Hounds Toungue, Cheatgrass

5. *Animals* [help]

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:
fish: bass, salmon, trout, herring, shellfish, other _____

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

None

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

No

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

- **Protect existing snags and wildlife reserve trees (WRT's) where there is no risk to operator/firefighter/public safety**
- **Create new snags (approximately 1-5 per acre) through individual and/or group torching, targeting suppressed Douglas-fir 9-15 inches DBH with moderate to high levels of dwarf mistletoe (Hawksworth Rating >/= 4)**
- **Consume small dead woody fuels (<3 inches diameter) to promote live native understory vegetation providing food for wildlife**
- **Protect unique habitat features such as large diameter (>18 inches) downed logs, hardwood trees such as quaking aspen and Oregon white oak by managing ignition patterns or scratch lining**
- **Create a mosaic of treatment and non-treatment areas to retain hiding cover/thermal cover and travel corridors for wildlife**

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

None known

6. *Energy and Natural Resources* [help]

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.

N/A

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

N/A

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:
N/A

7. Environmental Health [help]

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.
An abandoned vehicle (date/origin unknown) is within the burn perimeter, which will either be removed from the site or excluded from burn operations during unit prep.

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 present

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.
Fuel/oil used in portable water pumps, chainsaws, and other fire equipment has the potential to spill during refueling.

4) Describe special emergency services that might be required.
In the event of a medical emergency, an ambulance or medivac helicopter may be required. In the event of an escaped fire/wildfire conversion, additional firefighting resources from WA DNR, USFS, and county fire districts will be ordered.

5) Proposed measures to reduce or control environmental health hazards, if any:
Pumps and fuel cans will be kept within designated areas to limit areas of potential contamination. Containment dams appropriate to pump size will be used at water sources, and absorbent pads made available at designated fueling locations. WDFW uses a combination of hoselays, patrolling fire engines, and supplemental water delivery systems like backpack pumps and ATV/UTV mounted water tanks to keep prescribed burns within their designated perimeter. Additional mitigation actions to enhance containment include pre wetting fuels adjacent daily burn areas, reducing their probability of ignition. The burn plan outlines procedures in the event of a medical emergency or escaped fire.

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.
Noise will be generated by equipment used to construct firelines, and during burn day operations from fire pumps and other equipement. Noise will primarily be generated weekdays.

3) Proposed measures to reduce or control noise impacts, if any:
None, noise will be confined to burn project areas and should not be heard offsite.

8. Land and Shoreline Use [help]

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 site is within the Oak Creek Wildlife Area management boundaries, and is currently used as wildlife habitat. Public use of the area generally includes hunting during designated seasons, wildlife viewing, and hiking, except from December 15th to May 1st during the seasonal public closure to reduce contact with wintering elk. Adjacent state land is owned and managed by WA DNR as working forest land, also providing similar public recreation opportunities. The project will not fundamentally alter present use of the land.

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?
While WDFW has owned the property of the project area, it has not always held rights to the timber of the property. The last commercial harvests of the project area occurred from 2000-2004. The status of the land will not be converted from its present designation after the project.

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.
n/a

d. Will any structures be demolished? If so, what?
n/a

e. What is the current zoning classification of the site?
Forest

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

The project area is listed as a Priority Treatment Area in the 2018 Oak Creek Wildlife Area Management Plan, available online at: https://wdfw.wa.gov/publications/01902/

g. If applicable, what is the current shoreline master program designation of the site?
n/a

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

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

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

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

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

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

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
n/a

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
n/a

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

10. Aesthetics [help]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
n/a

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

Smoke production from prescribed fires will be of short duration, potentially obstructing views within the vicinity of the project temporarily. Daily smoke emmisions will be approved by WA DNR prior to implementing burns greater than 100 tons.

c. Proposed measures to reduce or control aesthetic impacts, if any:
Desirable post-burn vegetation response should occur within 1 to 2 growing seasons. Areas currently shaded by accumulations of dead slash will begin to see live vegetation establish, enhancing the visual appeal and food availability to a variety of wildlife species. While fire created snags are valuable to wildlife, they are not always aesthetically appealing. Interpretive signs/kiosks will be used to communicate the values of these features to the public.

11. Light and Glare [help]

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

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

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

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

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity?
Hunting, hiking, horseback riding, wildlife viewing, etc

b. Would the proposed project displace any existing recreational uses? If so, describe.
During burn operations, public access would be excluded for safety concerns. The post-burn environement may displace hunters use of the area until green-up (ie, spring following a fall burn).

d. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Public notifications, including signs at the project site and Oak Creek Office, and news releases will be used to increase awareness prior to the burn. All anticipated impacts and their locations will be addressed to the best of WDFW's ability.

13. Historic and cultural preservation [help]

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 buildings, structures, or sites were found during cultural resource survey of project.

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 material evidence or artifacts were observed during the cultural resource survey of the project site. Background research prior to field work noted 3 previously recorded cultural resources within 2 miles of the project site, consisting of 2 pre-contact site and 1 multi-component site.

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.

WDFW initiated consultation letters were to The Confederated Tribes & Bands of the Yakama Nation, and the Department of Archaeology and Historic Preservation (DAHP) notifying them that an archaeological survey would be conducted on the project site. The survey was conducted by Cardno, Inc, with no cultural resources found. The final copy of the report has been sent to Yakama Nation and DAHP for concurrence.

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.

- **Utilize existing logging roads requiring minimal preparation for burn containment.**
- **Fireline constructed by heavy equipment limited to areas already impacted by previous heavy equipment use (logging skid trails, etc)**
- **Utilize WDFW's Inadvertant Discovery Plan for Cultural Resources throughout project implementation.**

14. Transportation [help]

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.
Only Widlife Area access roads will be used to access the burn units in this rural area.

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?
n/a

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

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).

Unit interior roads will be prepped for use by fire resources. All roads are gated to exclude motorized access to the site, except one road used seasonally by hunters with Disabled Hunter Access privilages.

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?
n/a

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.
n/a

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

15. Public Services [help]

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.
Temporary increase in fire protection resources would only be needed in the event of a wildfire declaration. Yakima County fire district resources may be utilized as first responders during the first few work shifts to contain an escaped fire, with state Department of Natural Resouces assuming command in the event of a wildfire declaration.

b. Proposed measures to reduce or control direct impacts on public services, if any.
- **Burn operations occurring within range of prescribed weather conditions in the Burn Plan**
- **Burn operations occurring with minimum number of resources or greater described in the Burn Plan to provide for fire containment**
- **Notifications issued by the Burn Boss to parties listed in the Burn Plan prior to operations**

16. Utilities [help]

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

n/a

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.

n/a

C. Signature [HELP]

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: Ben Hartmann

Name of signee: **Ben Hartmann**

Position and Agency/Organization: **Oak Creek Wildlife Area Forester - WDFW**

Date Submitted: 7/9/2019