

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: [\[help\]](#)

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: [\[help\]](#)

Sherman Creek Headquarters Forest Thin

2. Name of applicant: [\[help\]](#)

Washington Dept of Fish and Wildlife

3. Address and phone number of applicant and contact person: [\[help\]](#)

Washington Dept of Fish and Wildlife
Attn: Sara Ashiglar
1049 Port Way
Clarkston, WA 99403

4. Date checklist prepared: [\[help\]](#)
1/22/2018

5. Agency requesting checklist: [\[help\]](#)
WA Dept of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)
August 1-December 31st 2018 or 2019

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)
No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)
- Cultural Resource survey, WDFW Sherman Creek Headquarters Forest Survey DAHP Reference Number: 2017-03-01817 WDFW: 11/1/2016
-USDA NRCS Soil Resource Report: 4/13/2017
-Forest Practice Application to be complete
-Sherman Creek Headquarters IPaC Trust Resources Report: 10/3/2016
-Intra-service Section 7 Biological Evaluation Form I-FA-08-I-0007: 5/6/2008
-Consulation with Confederated Tribes of the Colville Reservation, Spokane Tribe of Indians, DAHP, letters written
- WDFW Sherman Creek Pre-application review; review for unstable slopes: 8/1/2016

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. [\[help\]](#)
No

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)
US Fish and Wildlife Service Section 7 Endangered Species Consultation, WA State Forest Practices, SEPA, State and National Historic Preservation (Section 106) cultural resources consultations.

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.) [\[help\]](#)

The forested area surrounding the Sherman Creek Wildlife Area Headquarters was laid out to be thinned as a part of the original Sherman Creek Wildlife Area forest restoration project. The prescription was to leave approximately 35 of the largest trees per acre with preference for ponderosa pine, larch, and cedar, and targeting removal of smaller Douglas-fir and grand fir. The headquarters units were removed from the original project due to the presence of a then-state listed bald eagle. Since then, the bald eagle has been delisted in Washington State. In the meantime, trees and fuels have continued to build up and the forest is still overstocked.

Forests in the Sherman Creek Wildlife Area historically were fire-dependent ecosystems, however no fire has been through the system in approximately 100 years. Trees are overstocked and unable to grow to their full potential. The lack of fire and related shade and thick duff layer has created a stand deficient of winter browse for deer. Additionally, the topography, heavy fuels and fuel ladders below the headquarters buildings create risk of uncontrollable wildfire should a fire run up the hill toward the buildings.

Project objectives include: Improve forest health by reducing tree-to-tree competition, reduce risk of stand replacing fire by removing fuels and fuel ladders, maintain good wildlife habitat by retaining the healthiest, largest trees, reduce risk of wildfire damage to the headquarters structures, increase winter deer range browse including ceanothus and other shrubs, provide local commercial economic opportunities compatible with wildlife habitat protection, as well as recreational opportunities.

25 acres of ponderosa pine forest would be thinned to approximately 20-40 trees per acre greater than 8" dbh, largely following the markings from a previous layout crew. Structural diversity in the form of clumps of large trees and gaps for future forest regeneration would be created. The largest ponderosa pine trees would be retained while smaller trees would be removed. Ladder fuels would be removed allowing safer and more effective opportunities for future prescribed burning. Trees with broken tops, forks, hollow trunks, and other defect may be left as future wildlife reserve trees. Snags would not be cut except where needed to meet safety standards. Any fallen snags would be left on site as downed wood. Part of the harvest area is within management buffer areas of established eagle nests. Thus, harvest would occur August 1st through Dec 31st to avoid impacts to eagle reproduction. Nest trees would already be protected by riparian management zones for Lake Roosevelt and would not be within harvest area boundaries. Large overstory trees would remain throughout the units, including within the 330 and 660 foot buffers.

Trees designated for harvest greater than 8 inches diameter at breast height and 5 inches top diameter will be removed from site as saw logs and chip and saw logs. Trees would be whole-tree yarded to landings in already open areas with rubber tired skidders. No new permanent roads would be built. Landings and major skid trails created during harvest would be seeded and potentially ripped as instructed by the wildlife area manager. Skid trails will be water barred as necessary to prevent erosion and rutting will be minimized as much as possible. Slash will be scattered in the woods to the greatest extent possible. Some slash may be piled and burned on the landings. Prescribed fire may follow up thinning treatment if conditions and funding allows.

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. [\[help\]](#)

T36N, R37E, Sections 15 and 22. The physical address for the headquarters buildings is: 34042 Hwy 20 E, Kettle Falls, WA 99141 (google does not correctly map this). The project is located in Ferry County. See attached map.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth [\[help\]](#)

a. General description of the site: [\[help\]](#)

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

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

45%

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. [\[help\]](#)

Hodgson silt loam and Springdale stony sandy loam. They are not agricultural soils.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

The area directly around the Headquarters building does not have unstable soils. DNR geologist visited site for pre-FPA review and reported, "No deep-seated landslides were discovered adjacent or within the boundary in Section 15/22. During the field review, no deep-seated landslide or unstable features were discovered in Section 15/22. No geotechnical report for unstable slopes would be required for this area."

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. [\[help\]](#)

N/A

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Minor erosion from skid trails and landings could result from log truck traffic. However, this threat is minimal given the gentle topography found on most of the site and the lack of new road building.

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

None

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

- *Equipment will not be allowed on slopes in excess of 40% or within stream equipment limitation zones except as written and approved by the WDFW Contract Administrator*
- *Skid trails on steeper slopes will be water barred appropriately following skidding operations*
- *Exposed areas on landings and skid trails will be grass seeded with certified weed free seed*
- *Drain dips and/or water bars will be installed on steeper skids post-harvest*
- *Haul operations will be suspended immediately if any delivery of sediment to typed waters is a concern*
- *Some logging slash will be distributed on landings and skid trails. Additionally, landings and the upper portions of the major skid trails will be seeded with native plants to further stabilize soils.*

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. [\[help\]](#)

The proposal will involve vehicle emissions from logging and hauling equipment. There should be no significant impact to air quality. Slash or prescribed burning will be conducted in accordance with provisions contained in the DNR slash burning permit as well as any smoke management, Department of Ecology and local fire district regulations.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

None

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)
DFW will follow all Department of Ecology air quality standards and get approved burn plans from the Department of Natural Resources.

3. Water [\[help\]](#)

- 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. [\[help\]](#)

There is no water on site. Lake Roosevelt is the nearest water body and is buffered by a 200 feet no equipment/no harvest zone.

- 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. [\[help\]](#)

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. [\[help\]](#)

None

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

No

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

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. [\[help\]](#)

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. [\[help\]](#)

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. [\[help\]](#)

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. [\[help\]](#)

Spring runoff from snow melt and rainfall runoff could occur on the forest floor and landings. Water will be dispersed back into undisturbed forest areas for natural filtration in vegetation and soil.

2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

There is the remote chance that fuel or oil associated with equipment operations could be spilled and potentially enter ground or surface waters. The contractor will be required to have an approved spill kit in each piece of equipment to contain and clean up spills if they should occur. Fuel storage is only allowed in approved areas. The contractor is required to contact the WDFW Contract Administrator and the appropriate Department of Ecology Office immediately if a spill occurs.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

No

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

- *Limit equipment operations to slopes less than 40%*
- *Install water bars where appropriate on skid trails after skidding operations*
- *Minimize rutting of skid trails and remove those ruts at the completion of skidding operations*
- *Apply certified weed free grass seed on exposed cut banks associated with landing construction*

4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

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

other types of vegetation

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

Smaller trees will be removed and larger pines will be retained. Hardwoods would remain undisturbed. Preference would be for undiseased larch, ponderosa pine and large Douglas-fir.

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

None. Bald eagles nest nearby and timing restrictions would avoid harvest during their nesting period.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

None. The project is intended to encourage natural development of native, healthy, dry conifer forest vegetation.

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

Very minor knapweed, thistle, St. John's wort

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. [\[help\]](#)

birds: hawk, bald eagle, songbirds

mammals: deer, bear, moose, bobcat, coyote, wolf, woodpeckers, owls, squirrels, chipmunks

fish: many fish species in Lake Roosevelt, though no fish on site as there are no streams

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

None

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

The site is part of winter range for wild ungulate species and this thinning project will improve the habitat for those species.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

- Accelerate the development of open, old-growth conditions
- Restore dominance of fire, insect and disease resistant tree species.
- Protect snags and wildlife reserve trees where feasible from a safety standpoint (both to the operator and to the public)
- Create small openings to promote browse species such as ceanothus for big game species
- Leave non-treated areas to create hiding cover, thermal cover and travel corridors for big game species. Seed native grasses and forbs on landings and skid trails that may be browsed by big game.
- No harvest during primary bald eagle nesting season January 1-July 31st.
- Known bald eagle nests are bounded out of the sale. The largest on site will remain for potential future nest trees

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

None

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. [\[help\]](#)

Gas/Diesel to run harvester and skidder

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

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: [\[help\]](#)

None

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. [\[help\]](#)

1) Describe any known or possible contamination at the site from present or past uses. [\[help\]](#)

None

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. [\[help\]](#)

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. [\[help\]](#)

None except minor amounts of fuel for logging equipment, trucks and slash burning

- 4) Describe special emergency services that might be required. [\[help\]](#)
None

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

There could be fuel spills when refueling equipment or oil spills while performing equipment maintenance. There is always the risk of fire from equipment operation in the woods. However, equipment has spark arrestors to reduce the fire risk. Burning of slash piles, resulting in temporary smoke emissions, could occur after harvest operations are completed.

In the event of a fuel or oil spill, the contractor will be required to immediately contact the nearest office of the Washington State Department of Ecology and the WDFW Contract Administrator. In the event of a wildfire, the contractor will be required to immediately contact the Washington State Department of Natural Resources and the WDFW Contract Administrator.

The contractor will be required to have an emergency plan approved by the WDFW Contract Administrator prior to commencement of timber harvest activities. This will include:

- *Contact information for the nearest office of the Washington State Department of Ecology, Washington State Department of Natural Resources and the WDFW Contract Administrator*
- *Inspection of equipment for spill kits*
- *Having a fire trailer and necessary fire tools on site during the closed season as required by the Washington State Department of Natural Resources*
- *Requiring the contractor to keep up to date and in compliance with the latest Industrial Forest Precaution Level (IFPL) regulations during the closed fire season*

b. Noise [\[help\]](#)

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

Regular traffic noise from Highway 20 and wildlife area vehicle traffic.

- 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. [\[help\]](#)

During harvest activities there will be some noise associated with chainsaws, skidder, loader, and trucks. Typically this would occur during daylight hours only and when weather conditions allow. Heavy equipment noise may exceed 100 decibels.

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Requiring equipment operators to maintain mufflers on equipment and wear appropriate ear protection.

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. [\[help\]](#)

The site is currently being used for wildlife habitat and recreational activities. Adjacent properties are managed as working forests (federal, state and private ownership), highway right of way, rural home sites, and energy right of ways. The proposal will not affect adjacent sites except if prescription burning is used. In this case highway traffic may be temporarily delayed for short windows due to visibility.

- 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? [\[help\]](#)

The area was logged prior to the 1950s. None of the project area's forests will be converted to other uses.

- 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: [\[help\]](#)

No

- c. Describe any structures on the site. [\[help\]](#)

Sherman Creek Wildlife Area Headquarters building, and barn are near proposed thinning area. No structures exist on forested acres to be thinned.

- d. Will any structures be demolished? If so, what? [\[help\]](#)

No

- e. What is the current zoning classification of the site? [\[help\]](#)

Ferry County DOR 71—Cultural/Recreational

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Maintaining forest land with an emphasis on wildlife habitat and providing for recreational opportunities.

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

The area is next to Lake Roosevelt. Ferry County is developing a SMP. The site is zoned for cultural and recreational use by the Ferry County Assessor's office and WA Dept of Fish and Wildlife is managing it for wildlife habitat and recreational use.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Lake Roosevelt is adjacent to the site.

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

One permanent WDFW employee works at the adjacent Sherman Creek Headquarters building.

- j. Approximately how many people would the completed project displace? [\[help\]](#)

None

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

The proposal is consistent with the Sherman Creek Wildlife Area Management Plan and WDFW Forest Management Plan. This proposal will reduce the threat of disease and insect outbreaks and the fire risk to WDFW headquarter structures. The long term goal is to restore the property to historic tree stocking levels and species composition.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

Forest thinning will not affect recreational or cultural uses of this property. A recreational trail may be temporarily closed during timber harvest if used as a skid trail, however it will be opened and maintained after harvest is complete.

9. Housing [\[help\]](#)

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

None

c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

None

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? [\[help\]](#)

Not applicable

b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

None

b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

None

11. Light and Glare [\[help\]](#)

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

There could be headlight glare in the early morning or evening hours from headlights.

b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

No

c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

None

d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

None

12. Recreation [\[help\]](#)

a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Informal trail along part of old railroad track to Lake Roosevelt and formal trails along parts of river/lake front. Hunting, fishing, biking, wildlife viewing,

b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

There will be a temporary disruption to recreational use for the duration of the project due to tree falling, equipment use and log hauling. There will also be a temporary displacement when fuels are burned. Areas may be temporarily as needed to protect public safety.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

Signs will be in place to notify recreational users of thinning and burning activities. On occasion, roads may be temporarily closed for safety reasons.

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. [\[help\]](#)

Yes. There is the Sherman Creek Barn and skeletal remains, within 1/4 mile of the thinning unit. Neither are within the treatment boundaries and would not be affected by the treatment.

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. [\[help\]](#)

No, not within proposed treatment area. A report of cultural resources investigations at the proposed project was conducted by WDFW's archaeological contractor and is titled WDFW Sherman Creek Headquarters Forest Survey: DAHP Reference No. 2017-03-01817 WDFW. Another cultural resource survey titled Cultural Resources Survey of 4,666 Acres for the Washington State Department of Fish and Wildlife Sherman Creek Timber Thinning Project, Ferry County, Washington was completed for the adjacent lands on the Sherman Creek Wildlife area in August 2008 by Ryan Ives and Stan Gough of Eastern Washington University.

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. [\[help\]](#)

The project was reviewed by the WDFW archaeologist, who recommended additional survey to identify the potential for the project to affect cultural resources. WDFW contracted a professional archaeologist to conduct background research and field investigations to support project design. The final report was reviewed by the WDFW archaeologist, who finds that the project as designed is unlikely to impact cultural resources. As part of project review, WDFW will consult the affected tribes and DAHP. In the event that potentially significant cultural resources are identified during project activities, work will be halted in the immediate vicinity of the find and WDFW's Inadvertent Discovery Plan would be enacted.

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. [\[help\]](#)
When the proposed project commences, WDFW will operate under an inadvertent Discovery Plan. If cultural resources are identified during the course of operations, the WDFW Cultural Resources Inadvertent Plan would be implemented.

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. [\[help\]](#)
Existing Roads including Washington State Route 20 and the access road into the Sherman Creek Wildlife Area Headquarters will be used.

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? [\[help\]](#)
No

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)
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). [\[help\]](#)
No

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

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? [\[help\]](#)
A few log trucks per day would go to and from the project area to haul logs to the local mills. This traffic would occur between August and December.

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. [\[help\]](#)

No

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

None

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. [\[help\]](#)

No

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

None

16. Utilities [\[help\]](#)

a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

There is electricity, water, septic and telephone at the Sherman Creek Headquarters buildings. None are within harvest boundaries.

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. [\[help\]](#)

None

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:  _____

Name of signee Sara Ashiglar

Position and Agency/Organization Forester, Washington Dept. of Fish + Wildlife

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