

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: [\[help\]](#)

Oak Creek Wildlife Area Management Plan

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

Washington State Department of Fish and Wildlife

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

Lauri Vigue
600 Capitol Way North
Olympia, WA 98501
306-902-2549

4. Date checklist prepared: [\[help\]](#) March 14, 2017
5. Agency requesting checklist: [\[help\]](#) Washington State Department of Fish and Wildlife
6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)
Final plan will be published on WDFW website June 2017.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)
Yes, specific projects or actions may be taken to implement elements of this plan. Where appropriate, project specific SEPA analysis will occur.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#) N/A
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. [\[help\]](#) N/A
10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#) N/A
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.) [\[help\]](#)

This is a new management plan for the Oak Creek Wildlife Area. Over the next 10 years the plan will direct management activities on the following wildlife area units:

1. Oak Creek Creek (48,990 acres)
2. Cowiche (7,683 acres)
3. Rock Creek (10,386 acres)

Proposed uses include recreation and wildlife conservation; elk winter feeding, protection and restoration of shrub-steppe, forest and riparian habitat. There are 4 grazing permits. Examples of management activities under this plan include: ecological integrity monitoring, weed management, land acquisitions, seasonal road closures to protect wildlife, road maintenance, species surveys, managing wildlife near high use recreation areas, maintaining winter feeding sites, monitoring bighorn sheep, coordinating with partners on salmon recovery projects, maintaining fishing opportunities, upgrading facilities to meet ADA standards, developing a plan to reduce dispersed camping along riparian 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. [\[help\]](#)

- Oak Creek Unit (Yakima County)
 - Headquarters is located 7 miles west of Naches along US Highway 12
 - Legal Description
 - T14 N R 15E, T14N R16E, T15N R15E, T15N R16 E
- Cowiche Unit (Yakima County)
 - Located south of the Oak Creek Unit, 11 miles west of Yakima. The unit is bisected by Cowiche Mill Road which provides primary access (parking). The unit is walk in only.
 - Legal Description
 - T14N R16E, T13N R16E, T13N R17E
- Rock Creek Unit (Kitittas County)
 - Rock Creek Unit is located 20 miles northwest of Naches off State Route 410 and is accessed via several USFS roads.
 - T17 N R15 E

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

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

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

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

The terrain ranges from flat to mountainous with steep slopes, elevations range from 1,700 – 6,000 feet).

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

N/A

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. [\[help\]](#)

The landscapes of the Oak Creek Wildlife Area comprise a variety of landforms, parent materials, and biotic communities. Multiple soil types are associated with these entities, and fall under Major Land Resource Area 7 (Columbia Basin) or 8 (Cascade Mountains, East Slope). Mollisols, with considerable rock, cover many locations on the wildlife area. Other less common soils include inceptisols, aridisols, and andisols, but these are also often skeletal. Textures are typically loams or silt loams, with relatively uncommon sand or clay components present in some alluvial locations. Soils are most often well drained or excessively well drained. A range of soil depths occur on the wildlife area. Many soils are associated with very shallow ecological sites, and depth to a restrictive layer may be as little as 20 inches. Other locations support depths of 40 to more than 80 inches. Ecological sites on these soils are more likely to include loamy, cool loamy, or loamy bottom

classifications. Soil temperature regimes are generally cryic, frigid, or mesic, and soil moisture classes are generally xeric or aridic. Temperature and moisture regimes are associated with elevation. The majority of soils on the wildlife area are derived from some combination of residuum and colluvium (from basalt) along with varying amounts of loess and volcanic ash. The Jumpe, McDaniel, Rock Creek, and Sutkin soils are common series representative of this type. The Taneum series is an example of loess over residuum weathered from sandstone parent material, and the Wierman series is derived from alluvium. Areas of rock rubble and outcrops are also common.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#) N/A
- 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. [\[help\]](#) N/A
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#) N/A
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#) N/A

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. [\[help\]](#) N/A
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#) N/A
- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#) N/A

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. [\[help\]](#)

The Oak Creek Wildlife Area falls within the boundary of the Upper Yakima Watershed Resource Inventory Area (WRIA 29) and the Naches (WRIA 38).

- Oak Creek: The namesake of the wildlife area, Oak Creek flows through the heart of the unit. Oak Creek along with its tributaries are the only creeks that flow year round on the unit. Other creeks and streams are seasonal and include; Bear Canyon, Cougar Canyon, North Fork Cowiche Creek, Waterworks Canyon, Meystre Canyon and Garrett Canyon. There are two manmade ponds that provide great fishing opportunities.

- Cowiche: The South Fork Cowiche Creek flows through the middle of the unit
- Rock Creek: The unit is bisected by Milk Creek, Gold Creek, and Rock Creek which all drain to the west into the Naches River. North Fork Wenas Creek and Dry Creek also bisect the unit and drain to the east flowing into the Yakima River.

- 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. [\[help\]](#) N/A
- 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. [\[help\]](#) N/A
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#) N/A
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)
The wildlife area is bisected by the Naches and Tieton Rivers as well as numerous creeks and includes the floodplain in many areas. Projects identified in the management plan will have project specific SEPA and permitting completed before implementation.
- 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. [\[help\]](#) N/A

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. [\[help\]](#)
The wildlife area headquarters contained a domestic water well that provides water for the managers residence, office and visitor's center. Quantities used are unknown. No water is discharged to groundwater.
- 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. [\[help\]](#)
The wildlife area infrastructure has 4 septic tank systems with drainfields for the residence (2), office and visitor's center. All systems are maintained and serviced regularly, drainfields are in good working order. In addition the headquarters parking lot has 3 concrete vault toilets, holding tanks are pumped as needed and have no outlets or drainfields.

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. [\[help\]](#)

The Oak Creek Headquarters elk feed site has earthen, ditches, berms and settling ponds to collect surface runoff of stormwater. Quantities are unknown and vary based on snow accumulation and spring rainfall. Infrastructure is inspected regularly and maintained as needed. Water flows into a series of holding ponds and does not enter other waters.

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

Project specific SEPA will be conducted for those actions that have potential.

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

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

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

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

X deciduous tree: alder, maple, aspen, other

X evergreen tree: fir, cedar, pine, other

X shrubs

X grass

X pasture

X crop or grain

Orchards, vineyards or other permanent crops.

X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

X water plants: water lily, eelgrass, milfoil, other

X other types of vegetation

Oak Creek WLA includes: shrub-steppe, riparian, oak woodland, ponderosa pine, mixed conifer forest, dry pine and subalpine forests.

- b. What kind and amount of vegetation will be removed or altered? [\[help\]](#) Project specific SEPA will be conducted for those actions that have potential.

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

Bull trout (FT/SC), gray wolf (FE/SE), grizzly bear (FT/SE), northern spotted owl (FT/SE), steelhead (FT/SC) western gray squirrel (ST)

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

Restoration activities are identified in the plan in Appendix A and they include the following activities: developing a shrub-steppe post fire rehabilitation plan, forest restoration, aspen forest enhancement and restoring riparian and instream habitat for steelhead, bull trout and other priority species. A whole suite of native wildlife species benefit from managing lands to improve ecological integrity.

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

Weed species of concern on the OCWA include but are not limited to: Dalmatian toadflax (*Linaria dalmatica* ssp. *Dalmatica*), Dyers woad (*Isatis tinctoria*), diffuse knapweed (*Centaurea diffusa*), yellow starthistle (*Centaurea solstitialis*), Canada thistle (*Cirsium arvense*), Kochia (*Kochia scoparia*), puncturevine (*Tribulus terrestris*), Scotch thistle (*Onopordum acanthium*), Russian thistle (*Salsola kali*), Japanese knotweed (*Polygonum cuspidatum*), musk thistle (*Carduus nutans*), meadow knapweed (*Centaurea x moncktonii*), tansy ragwort (*Senecio jacobaea*), whitetop (*Lepidium draba*), common mullein (*Verbascum thapsus*), Russian knapweed (*Acroptilon repens*), houndstongue (*Cynoglossum officinale* L.), Dyer's weed (*Genista tinctoria*), and medusahead (*Taeniatherum caput-medusae*).

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. [\[help\]](#)

Examples include:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

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

See documented species list in Appendix C.

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

Bull trout (FT/SC), gray wolf (FE/SE), grizzly bear (FT/SE), northern spotted owl (FT/SE), steelhead (FT/SC) western gray squirrel (ST)

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

Migration corridors are provide for elk, mule deer, steelhead, Chinook, coho, bull trout; migratory birds – waterfowl and neotropical songbirds.

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

See Appendix A, examples of measures include a shrub-steppe post fire rehabilitation plan, forest

restoration, Oregon white oak woodlands protection and enhancement, aspen enhancement and restoring riparian and instream habitat for steelhead, bull trout and other priority species. A whole suite of native wildlife species benefit from managing lands to improve ecological integrity.

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

Nutria, American bull frog

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. [\[help\]](#) N/A

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

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

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. [\[help\]](#) N/A

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. [\[help\]](#)
N/A

4) Describe special emergency services that might be required. [\[help\]](#) N/A

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

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

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

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. [\[help\]](#) N/A

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

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 current uses of WDFW wildlife areas are recreation and wildlife conservation. Adjacent lands are either private lands (agriculture/grazing), other public lands (Bureau of Land Management, Department of Natural Resources or Forest Service).

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 wildlife area has a prior history of agriculture, grazing and logging. There are four grazing permits currently exist on specific units of the wildlife area. See the wildlife area management plan for specific details.

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: [\[help\]](#) N/A

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

The wildlife area contains multiple structures. The Oak Creek Unit contains a residence, shop, office, visitors center, hay barn and storage barn, as well as smaller out building used for storage. The Cowiche Unit contains a hay barn and historic grain silo.

d. Will any structures be demolished? If so, what? [\[help\]](#)
None.

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

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

Oak Creek Unit: Forest Resource, Rural-10/5, Remote Extremely Limited Development Potential, Forest Watershed, Rural Remote/Extremely Limited Development Potential
Cowiche Unit: Remote/Extremely Limited Development Potential, Agricultural Resource
Rock Creek Unit: Commercial forest

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

Rural, conservancy.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#) No

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

The wildlife area currently has a single family residence for the manager. The office is used by 3-5 wildlife area staff fulltime, plus additional seasonal staff. The visitor's center is staffed by volunteers daily for about 3 months per year.

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

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

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

Measures identified in this plan are compatible with local land use regulations.

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

Measures identified in the plan are compatible with nearby agricultural land use and forest lands.

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

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

*** residences exist on these areas. No additional housing is expected under the new management plan.

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

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

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

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

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

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#) N/A
- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)
N/A
- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#) N/A
- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#) N/A

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

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

Hunting, wildlife viewing, winter elk viewing, hiking, fishing, rock climbing, rafting, camping, horseback riding, wildflower viewing, mountain biking, photography, walking, ORV/ATV riding, shed antler hunting, target shooting, snowshoeing, snowmobiling and trapping.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)
None

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

Recreational opportunities will be maintained and/or enhanced in this plan. Please see Appendix A in the Plan for Oak Creek Wildlife Areas goals, objectives for recreation activities.

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. [\[help\]](#)

Specific project locations have not yet been identified. When these are identified, WDFW will conduct a cultural review of each project. Reviews will be designed to identify existing 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.

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

Specific project locations have not yet been identified. When these are identified, WDFW will conduct a cultural review of each project. Several surveys have been conducted on or near the WLA. The results of these surveys are on file with the Department of Archaeology and

Historic Preservation and WDFW and will be used to inform project design.

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

As specific projects are conceived, they will be reviewed by WDFW. Project reviews will be informed by the results of prior archaeological and historic research, a review of ethnographies and ethnographic information, information provided by the Tribes during consultation, the results of coordination with stakeholders and wildlife area staff, regional land use practices, local and regional geomorphological conditions, and regional settlement patterns. As needed, WDFW will conduct cultural resource surveys of project area to assess the potential of the project to impact cultural resources, to characterize the impacts, if any, and to make recommendations about reasonable options to avoid, minimize, or mitigate impacts to any archaeological or cultural resources should any be present at the project location.

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

Specific project locations have not yet been identified. As specific projects are designed, they will be reviewed by WDFW as described above. The project reviews will be used to inform project plans. In every case, WDFW will adopt all reasonable measures to avoid, minimize, or mitigate impacts to any archaeological or cultural resources should any be present at the project location.

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. [\[help\]](#)

See attached maps for street names and highways

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

This area is not served by public transit.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#) 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). [\[help\]](#) N/A

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

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

No information exists for vehicle use per day. Peak volumes will coincide with the elk winter feeding program, with estimates of several hundred vehicles per day on weekends accessing the headquarters parking lot and visitor's center. Additional peaks in use occur during hunting and fishing seasons, and no commercial and nonpassenger vehicles will be used.

- 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? No If so, generally describe. [\[help\]](#)

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#) 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)? No If so, generally describe. [\[help\]](#)

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

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

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

Electricity, water, refuse service, telephone, septic system, propane tank and internet service.

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

Name of signer: Launi Vigne

Position and Agency/Organization: Environmental planner

Date Submitted: April 7, 2017

D. supplemental sheet for nonproject actions [\[help\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise? [N/A](#)

Proposed measures to avoid or reduce such increases are: [N/A](#)

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

[The goals of this wildlife area management plan are to:](#)

[Improve ecological integrity of forests while maintaining and/or improving habitat for wildlife](#)

[Maintain or improve the ecological integrity of priority sites](#)

[Maintain and enhance the Oregon white oak woodlands](#)

[Achieve species diversity at levels consistent with healthy ecosystems](#)

[Maintain and enhance upland bird habitat](#)

[Maintain big-game feeding program annually](#)

[Maintain and enhance big game habitat](#)

[Maintain and restore riparian and instream habitat for steelhead, bull trout and other priority species along the Tieton, S.F. Cowiche, Oak Creek and Naches Rivers](#)

[Manage wolf-livestock conflicts to minimize livestock losses, while not impacting the recovery of a sustainable wolf population.](#)

[Support and maintain appropriate recreation opportunities.](#)

[Manage roads to minimize unacceptable impacts to fish and wildlife](#)

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

[See Appendix A for a complete list of goals, objectives and performance measures for the management plan.](#)

3. How would the proposal be likely to deplete energy or natural resources?

[N/A](#)

Proposed measures to protect or conserve energy and natural resources are:

N/A

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

The goals of this plan (outlined above) provides protection and enhancement for fish and wildlife including elk, bighorn sheep, mule deer, California quail, western gray squirrel, northern spotted owl, golden eagles, butterflies, bats, Townsend's ground squirrel, amphibians, steelhead, bull trout, Chinook.

Appendix A includes restoration activities for the wildlife area for the next 10 years that will enhance threatened and endangered species habitat, wetlands and floodplains. Cultural resource sites will be protected as described in 13C.

Proposed measures to protect such resources or to avoid or reduce impacts are:

See Appendix A in the Plan (Goals, objectives, and performance measures) for Oak Creek Wildlife Area.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

This management plan provides protection and enhancement measures for shorelines including riparian and wetland systems located on all units of the wildlife area.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Proper grazing management

6. How would the proposal be likely to increase demands on transportation or public services and utilities? N/A

Proposed measures to reduce or respond to such demand(s) are: N/A

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

This management plan meets all federal, local and state requirements for protection of the environment.