

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Oak Creek Wildlife Area Forest Restoration Project

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

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

Washington Department of Fish and Wildlife

Oak Creek Wildlife Area

16601 US HWY 12

NACHES, WA 98937

Ross Huffman-Manager

509 653-2390

4. Date checklist prepared: **February 28, 2012**

5. Agency requesting checklist: **WASHINGTON DEPARTMENT OF FISH AND WILDLIFE**

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

Contract Bid Date: Proposed Summer 2012

Commence thinning operations: late summer or fall 2012 and complete by November 30, 2013.

Prescribed burn phase: Conducted as units become available, anticipated in 2013 or 2014. Burning will occur as a large scale cross ownership burn, and as smaller stand level burns and as jackpot/slash pile burns.

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

Yes,

- A. Timber harvest operations will be conducted with ground based equipment on slopes < 45%. Trees will be cut-to-length with limbs and tops left on site or whole tree logged and processed at the landings. Normal ground disturbance from a tractor yarder will occur. Logging slash at landings will be piled and burned.**
- B. Vegetation Management: Prescribed burning will occur following mechanical treatments. A large scale cross ownership burn is being proposed in coordination with neighboring landowners (US Forest Service, The Nature Conservancy). Stand-level prescribed fire and pile or jackpot burning of activity slash will occur in some treatment units prior to the large-scale burn. Prescribed fire will be used to reduce the risk of wildland crown fires, reduce fuel loadings, promote long-term ecosystem sustainability, and improve wildlife habitat (primarily forage and big game browse). Landings and skid trails will be scarified and re-seeded with native plant species.**
- C. Regeneration method: Natural regeneration will occur.**
- D. Roads: Re-close or abandon all re-opened/new construction roads after project completion.**

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

- 1. WDFW Priority Species and Habitat Management Recommendations**
- 2. Department of Natural Resources (DNR) TRAX (Threatened, Rare and Endangered Species).**
- 3. WDFW Heritage Database.**
- 4. GIS generated WAU maps showing: Soil type, erosion potential, soil stability, and hydrologic maturity from NRCS.**
- 5. Endangered Species Act Section 7 consultation with US Fish and Wildlife Service (USFWS), Biological Assessment for wildlife and fish.**

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

None known.

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

- A. DNR Forest Practices Application (FPA) and Burn Permit.**
- B. Road Maintenance and Abandonment Plan (RMAP) for Oak Creek Wildlife Area-Oak Creek Block.**

C. Department of Archeological and Historical Preservation (DAHP) clearance and Section 106 consultation with State Historical Preservation Officer.

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 project's over-arching objective is to protect, and restore, riparian and forest habitat and provide for species diversity (2006 Oak Creek Wildlife Area Mgmt Plan and 2007, 2010 Updates) To meet this objective, the project is designed to move forest structure, composition, and wildlife habitat toward historic conditions (2008 WDFW Policy 5309, Managing Forests on WDFW Lands). This approach is expected to maintain ecological processes such as forest succession and disturbances (fire, insects, and diseases) within a more characteristic range. Site specific objectives and treatments were guided by The Tieton/Oak Creek Landscape Assessment and Treatment Prioritization (Churchill, unpublished report 2011) and The Okanogan-Wenatchee National Forest Restoration Strategy (Okanogan-Wenatchee NF, 2010).

-The project will include commercial mechanical treatment on up to 758 acres and non commercial mechanical treatment on up to 1,200 acres.

-Prescribed fire treatments may be implemented on individual ownerships or as a 4,900 acre cross-boundary burn.

-Understory thinning using a variety of spacing prescriptions will be used to meet objectives, with a final tree density of 30-60 trees per acre.

-We will incorporate thermal cover and hiding patches for wildlife into prescriptions and create additional snags for cavity nesters.

-We will have no new roads following completion of the proposal, but some closed roads will be temporarily re-opened, and .6 miles of abandoned roads will have to be reconstructed.

-Plant native grasses on areas impacted by the project to stabilize soil and reduce weeds.

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.

- A. **Legal description: The proposal lies within portions of Sections 3, 5, 7, 11, 15 and 17 of Township 14 North and Range 15 East, Willamette Meridian.**
- B. **The project proposal is located in Yakima County approximately 30 miles northwest of Yakima along Hwy 12 to Oak Creek Road (USFS 1400), then approximately 5 miles to the township.**
- C. **WRIA # 38, Naches. WAU's: Oak Creek and Tieton River. Oak Creek WAU acres: 25,068. Tieton River WAU acres: 45,451. Proposal acres: 477 Oak Creek WAU, 170 Tieton River WAU.**

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other

The project vicinity is the Oak Creek (excluding NF Oak Creek), and Bear Canyon watersheds which are the eastern-most tributaries to the Tieton River. Land ownership is distributed in a checkerboard pattern. The 15,500 acre project vicinity is very diverse. It supports shrub-steppe through mixed conifer and sub-alpine forests across steep environmental gradients: predominant north/south aspects; 2300 to 6000 ft of elevation; and 15 to 30 inches of annual precipitation. Within the larger, drier landscape, there is a mesic sub-landscape where steep north aspects are adjacent to perennial streams. Tree series include Oregon white oak, ponderosa pine, Douglas-fir, grand fir, and subalpine fir. Among stands proposed for treatment, the most common plant associations are Douglas-fir/shinyleaf spirea/pinegrass and grand fir/pinegrass, grand fir/ocean-spray/pinegrass, and grand fir/pinegrass-lupine (ibid). Several others occur as patches. Douglas-fir, grand fir, and ponderosa pine are the most common tree species. Western larch is common, along with spruce, lodgepole pine, and huckleberry, on mesic and cool sites.

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

Slopes range from 0-60%, with an average slope of approximately 20%, no mechanical work will be done on slopes over 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 prime farmland.

59-Jumpe stony loam, 5-15 % slopes.

60-Jumpe stony loam, 25-45% slopes.

62-Jumpe stony loam, 25-45 % north slopes.

115-Rubble land-rock outcrop.

145-Sutkin stony loam, 0-25% slopes.

146-Sutkin stony loam, 25-45% slopes.

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

None known.

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Small quantities of fill may be needed to access landings off of main roads and to temporarily re-open closed roads.

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

Erosion could occur on skid trails and re-opened roads. Erosion bars will be installed, and skid trails, landings and re-closed roads will be scarified and seeded to help prevent erosion. The proposed prescribed burn is planned to burn at a moderate to low intensity; however, the prescribed burn will reduce surface organic matter in the short term and could expose some mineral soil. Unburned and low severity burns along perennial and some intermittent streams will reduce the potential for overland flow of sediments.

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:

Skid trails will be water barred and seeded with native vegetation to prevent invasion of noxious weeds. Tank traps and gates will be used to prevent unauthorized access on closed roads. For the prescribed burn, the remaining overstory will continue to intercept rainfall (reducing erosion potential) and continue to contribute to surface organic material (leaf drop). Cover of understory plant species will be reduced initially post burn, but majority of species respond vigorously after fire and an increase in plant cover is expected in the near term. In addition, the proposal will not result in 100 percent coverage of surface fire/burn, but will produce a mosaic of burned and unburned patches.

a. **Air**

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

This proposal will involve vehicle emissions and dust from logging, yarding and hauling equipment. There should be no impact to air quality. Prescribed burning will adhere to the state of Washington's Smoke Management Program and the Yakima Clean Air Agency's requirements.

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

None known.

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

Insure equipment is maintained and have safety mufflers to reduce emissions. Prescribed burning will follow Washington's Smoke Management Program and the Yakima Clean Air Agency's requirements.

3. **Water**

a. **Surface:**

- 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.

In the project area there are three Type F streams (South Fork Oak Creek, Oak Creek, and Bear Canyon), two Type N streams (Teepee Creek, Counterfeit Creek), and numerous type Ns streams. No mechanical logging operations will take place near type F or type N waters. Oak Creek and Bear Canyon flow into the Tieton 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.

Yes, while logging will not occur near any of the above streams, trucks and equipment will use roads to access the sites that are sometimes within 200 feet of the waters.

- 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.

Does not apply

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

No

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

No

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

No

b. **Ground:**

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Ground water should not be significantly changed by this project.

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.

Not applicable

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 rain the rest of the year will be channeled through culverts, cross drains, and over water bars. Runoff intercepted by skid trails, roads and ditches will be diverted to the undisturbed forest floor, where possible. The proposed prescribed burn is planned to burn at a moderate to low intensity; however, the prescribed burn will reduce surface organic matter in the short term and could expose some mineral soil. Unburned areas along perennial and intermittent streams will reduce the potential for overland flow of sediments.

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

Only fuel or oil spills associated with equipment operations. Contract will require oil changes and fueling to have catch basins or appropriate safety equipment to prevent spillage, fuel storage only in approved areas and to notify sale administrator of any spills.

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

Activities associated with this proposal will meet or exceed Forest Practice rules and regulations. Any spills will be cleaned up immediately and WA Department of Ecology will be notified if they are near surface water or have the potential to enter ground water. Maintain drainage structures during operations, construct erosion bars, re-vegetate with native seed, and hire responsible contractors.

4. Plants

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

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

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?

Grand fir and Douglas fir will be thinned to achieve desired future conditions. Most Ponderosa pine and all western larch will be retained excepted trees will with dwarf mistletoe will be removed under

certain conditions. Trees around large ponderosa pine and Douglas fir will be removed. Most grand fir except large trees over 20 inches DBH will be removed. Under some prescriptions Ponderosa pine with limited potential to grow large and old will be removed. Snags will be retained at the rate of 7-9 per acre preferably in clumps, new snags will be created by topping some trees at 10-20 feet above ground. Some Douglas fir over 18 inches DBH with dwarf mistletoe will be retained in clumps to provide habitat for grouse.

c. List threatened or endangered species known to be on or near the site.
No known threatened, endangered or species of concern in this area.

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

Reseeding of some disturbed areas with a native seed mix will occur. The project proposal was planned in part to increase native, fire dependent species providing key habitat for a variety of species including: elk, mule deer, grouse, and cavity nesting birds.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other: ruffed and blue grouse, wild turkeys

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

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

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

Northern spotted owl. The project area is within potential habitat, but no known nest locations are in the project area. Two years of spotted owl surveys will be completed before the project occurs.

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

Yes, the general area is used at elk and mule deer migration routes to and from winter range. Lower elevations of the project area will have year around use by elk and mule deer.

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

The primary objective of this project is to reduce fire hazard and fuel accumulation that will in turn restore and improve wildlife habitat. Thinning the forest and utilizing prescribed fire will enhance reproduction and increase vigor of fire dependent species like: ceanothus, serviceberry, elderberry, willow, bitterbrush and snowberry for elk and mule deer forage. Unless they are deemed a safety hazard during logging, all snags will be left for cavity nesters; in addition new snags will be created.

Cull logs will be left in the woods for amphibians, reptiles and small mammals. Prescribed burning after the timber removal will improve nutrient cycling. Prior to the thinning operation leave trees will be marked and any nesting platforms, cavity nests, or special areas used by wildlife will be protected (bear dens, elk wallows, bedding areas, rub trees, etc).

6. Energy and natural resources

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

Fuels to operate equipment for harvesting, loading and hauling timber and any related road work. Some fuels will be necessary for the prescribed burn.

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

No

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

Does not apply

7. Environmental health

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

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. There will be a controlled burn of the slash produced. Precaution will be taken to consider soil moisture, wind, weather forecasts etc.

1) Describe special emergency services that might be required.

The contractor must maintain firefighting equipment on the job and be in compliance with WDNR fire equipment codes. Washington State Department of Ecology and WDFW will be notified if any spills occur.

The USFS and WDNR will be involved in the prescribed burn.

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

All equipment will have spark arresters on mufflers. Catch basins will be used under equipment when fueling or doing maintenance. Firefighting equipment will be available. USFS and WDNR will be involved in the prescribed burn portion of the project.

b. Noise

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

Perhaps some other logging operations or recreational 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.

During harvest activities there will be some noise associated with feller processors, forwarders, loader and trucks. Typically these would be daylight only and weather dependent. Heavy equipment noise can easily exceed 100 decibels.

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

Maintain mufflers on equipment. Ear protection is recommended.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

Forest management and wildlife recreation related activities (hunting, camping, fishing).

- b. Has the site been used for agriculture? If so, describe.

There was livestock grazing in the past.

- c. Describe any structures on the site.

No structures.

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

No, and areas identified as cultural resource areas will be protected.

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

Forest Land.

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

Maintain as forest land with an emphasis on managing habitat for wildlife.

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

Not applicable.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Not that I am aware of.

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

None.

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

None.

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

Does not apply.

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

Part of the Oak Creek Wildlife Area Management Plan.

9. Housing

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

None.

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

None.

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

Does not apply.

10. Aesthetics

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

Does not apply.

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

With the reduced density of trees, the site distance will increase, resulting in more area being visible from a single location.

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

Management prescriptions include leaving most snags and creating more snags for cavity nesters and retaining large diameter ponderosa pine and Douglas fir which would make good wildlife trees. Disturbed areas will be seeded after the harvest/prescribed burn is complete.

11. Light and glare

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

Possibly light from equipment operation and from flames during the prescribed burn. Timing would be dependent on weather and ground conditions.

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

No.

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

Does not apply.

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

None.

12. Recreation

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

Hunting, fishing, camping, hiking, wildlife viewing.

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

Depending on weather conditions and timing of harvest and prescribed burning activities, some forms of recreational activities like, hunting, horse riding or wildlife viewing or use of camp sites, could be temporarily impacted.

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

Signs will designate areas that are temporarily closed. Signs will notify the public of potential delays for their safety, while logging and prescribed burning operations are in progress.

13. Historic and cultural preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

None known.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Several culture sites were previously identified and will be protected from harvest and prescribed burning operations. WDFW completed an archeological survey of the project area and provided all information to the Department of Archeological and Historic Preservation, and consulted with the Yakama Nation regarding protection of sites of interest. In addition section 106 consultations with the State Historic Preservation Officer was completed.

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

Protect areas identified in the cultural survey, no ground disturbing activities will take place near these identified sites.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Access to the project area is located off of US Hwy 12 and along Oak Creek Road (USFS 1400), USFS 1401 and USFS 1410. There are numerous spur roads that access timber harvest and prescribed burn units.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No. School buses stop along US Hwy 12.

c. How many parking spaces would the completed project have? How many would the project eliminate?

The only parking spaces affected are in camping/hunting areas. The numbers should not change after the project is completed.

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

Access is off of USFS and WDFW roads. No new roads will exist following completion of the project but .6 miles of abandoned roads will be reconstructed to access the project area and some closed roads will be temporarily re-opened to complete the project. Existing roads will be maintained by blading and repair of some existing damage.

e. Will the project 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? If known, indicate when peak volumes would occur.

This proposal should result in no increase in vehicle trips per day upon completion of the timber harvest and prescribed burn. During harvest, log hauling, and prescribed burning, sale administrators and log truck drivers may exceed 5 vehicles per day.

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

Signs will notify the public of the operation. Any re-opened access roads or spurs will be closed after the project is completed.

15. Public services

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

USFS and WDNR fire protection services may be required during the prescribed burn phase of the proposal. After project completion fire risk should be reduced.

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

Opening stands, leaving fire resistant older ponderosa pine and Douglas fir and removing grand fir and other small trees will reduce the chance of wild fire, particularly crown fires.

16. Utilities

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

None available.

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

None.

C. SIGNATURE

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

Signature: 

Date Submitted: 3/9/12

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not 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?

Not applicable.

Proposed measures to avoid or reduce such increases are:

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

Not applicable.

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

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

Not applicable.

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

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?

Not applicable.

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

TO BE COMPLETED BY APPLICANT

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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?

Not applicable.

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

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

Not applicable.

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

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

Not applicable.