ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21 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.

presentation

A. BACKGROUND

1. Name of proposed project, if applicable: **Washington Department of Fish and Wildlife Oak Creek Wildlife Area Extension of the Elderberry North Prescribed Fire, Phase 1**

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

3. Address and phone number of applicant and contact person:
   John G. McGowan; 16601 Hwy 12 Naches, WA 98937 (509) 653-2390

4. Date checklist prepared:
   4-10-07

5. Agencies requesting checklist:
   Washington State Department of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable):
   Prescribed burning would occur between early to mid May of 2007 if weather conditions permit. Other burn windows will be considered during the Fall of 2007 during periods that do not conflict with rifle hunting season or May of 2008.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
   Yes, however not in the proposed sections. The Tieton Forest Collaborative is reviewing opportunities similar to those proposed.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
   a) **U.S.D.A. 2001. Decision Notice and Finding of No Significant Impact for the Elderberry Timber Sale and Associated Activities.** Decision Notice for the Elderberry Project Environmental Assessment (see A.8.b). Adopts Alternative 4 with description of refinements. Electronic file available at: http://www.wdfw.wa.gov/hab/sepa/sepa.htm
   b) **U.S.D.A. 1999. Elderberry Project Environmental Assessment. U.S. Department of Agriculture, Forest Service, Naches Ranger District, Naches, WA.** The Elderberry Project Environmental Assessment analysis includes an area of approximately 20,764 acres (see map one). The core of this analysis area included Township 14 that was at the time alternating sections of land owned by Plum Creek Timber and the Forest Service. Since that time, ownership of all but one Section private land has been transferred to WDFW. The Elderberry Project analysis included all lands in this checkerboard landscape to

determine cumulative effects on proposed actions including timber sale, forest and shrub/grassland fuel hazard treatments, noxious weed prevention and control treatments, big game forage enhancement, watershed health and anadromous fist habitat enhancement, motorized vehicle access and travel management changes, among other dispersed actions. Purpose of proposed actions include reduction of risk of wildland crown fires, reduce fuel loadings, promote long-term ecosystem sustainability, prevent and control noxious weeds, improve wildlife habitat with an emphasis on big game browse, improve soil productivity and watershed health, and provide a transportation system meets public and private needs. A decision of findings of no significant impact was determined in implementing Alternative 4. Note that the SEPA project proposed in this checklist ONLY proposes to implement a prescribed spring and possible fall underburn- NO mechanical treatments are proposed in by WDFW in this project proposal. Hereby incorporated by reference, and Alternative 4 available at: http://www.wdfw.wa.gov/hab/sepa/sepa.htm and the complete document available on file at Naches Ranger District. Naches, WA.

c) **U.S.D.A. (2007). Elderberry North Prescribed Fire Plan. Naches, WA, U.S. Department of Agriculture, Forest Service, Naches Ranger District: 30.** The Prescribed Fire Plan is a mandatory Prescribe Fire Management Summary & Risk Analysis which includes: Final Complexity Elements Summary, Burn Area Description, Project Objectives, Funding, Fire Behavior Prescription, Scheduling, Pre-Burn Considerations, Minimum Workforce & Equipment Needs, Communications Plan, Public Information & Safety Plan, Notifications, Medical Emergency Procedures, Test Fire Provisions, Ignition Plan, Holding Plan, Contingency & Escaped Fire Plan, Escaped Fire Plan, Smoke Management , Monitoring, Post Burn Activity, and Complexity Rating Worksheet which is reviewed and approved by upper level staff and cooperating agencies. This plan has been reviewed by the Washington Department of Natural Resources Fire Staff and has been approved in current format and will be submitted formally for approval when it is clear that the project can be implemented. Electronic file available at: http://www.wdfw.wa.gov/hab/sepa/sepa.htm

d) **U.S.D.A. (1997). Oak Creek Watershed Analysis. Naches, WA, U.S. Department of Agriculture, Forest Service, Naches Ranger District.** Develops in depth analysis of: 1. Watershed values, issues and key questions, 2. Past and current watershed conditions, 3. Important interactions and 4. Management recommendations for desired future watershed conditions. Basis for Elderberry EA (A.8.b.). On file at Naches Ranger District. Naches, WA.

e) **USDA Forest Service. 2001. Elderberry Timber Sale and Associated Actions, Biological Evaluation for PETS species (section 1). Prepared by: Joan St.Hilaire, wildlife biologist, Naches Ranger District, Naches, WA 98937.** On file at Naches Ranger District. Naches, WA.

f) **McGowan, J. G., and L. Stream. 2006. Oak Creek Wildlife Area Management Plan Draft. Washington Department of Fish and Wildlife, Olympia, WA.** Includes Oak Creek Wildlife Area description, management objectives, issues and strategies, performance measures, evaluation, and up-dates to the plan. http://wdfw.wa.gov/lands/wildlife_areas/management_plans/index.htm **(Accessed March 15, 2007).**

g) **Tieton Forest Collaborative (TFC) Conservation Action Plan (CAP) Workbook (2007).** Members of TFC (The Nature Conservancy, Wenatchee National Forest, Washington Department of Natural Resources and the Yakama Nation over a period of eight meetings worked through a ecological planning process developed by The Nature Conservancy. In addition TFC members signed a Memorandum of Understanding summarizing objectives and goals for working across ownership boundaries for shared purposes.) **http://www.tncfire.org/documents/tieton_CAP.pdf (Accessed March 15, 2007). http://www.tncfire.org/documents/TietonCollaborativeMOU.doc (Accessed March 15, 2007).**

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.
   No.

10. List any government approvals or permits that will be needed for your proposal, if known.
    a) **Washington Department of Natural Resources (DNR) Burn Permit. see Elderberry North Prescribed Fire Plan (see A.8.c.).**
    b) **Forest Service will obtain smoke permit from Washington Department of Natural**

Resources (DNR), but will confer and comply with Washington State Department of Ecology and the Yakima Regional Clean Air Authority restrictions.

c) Cultural surveys and Section 106 consultation with Yakama Nation and Department of Archaeology and Historic Preservation

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 agency may modify this form to include additional specific information on project description.)

The Washington Department of Fish and Wildlife (WDFW) is proposing to collaborate with The Naches Ranger District of the Wenatchee National Forest to expand the previously analyzed Elderberry prescribed burn project on Forest Service lands into adjacent ownership of WDFW lands to meet ecological, economic, logistical, and safety objectives. The WDFW lands proposed for prescribed burning are located in Sections 1, 3, and 5 of Township 14 North, Range 15 East, Yakima County, Washington in the Oak Creek Wildlife area (see attached maps). Prescribed burning is proposed for approximately 573 acres of these WDFW lands (Section 1: 3 acres; Section 3: 400 acres; Section 5: 170 acres – see attached map 2). The prescribed burn would be conducted during the spring if conditions permit, but may be conducted in fall.

Prescribed burning would occur in dry forest and woodlands reducing fuel and crown fire hazard and reintroducing fire to ecological systems that historically burned frequently. In addition, this proposal reduces the amount of built fire line by 12,840 feet (on WDFW and Forest Service property boundary lines) by using natural and existing fuel breaks; reducing ground/soil disturbance and savings $27,606.

The proposed area for treatment is predominately located on southerly aspects that support dry forest plant communities that evolved with a predominance of frequent low intensity fire. Fire has been successfully excluded from the project area since around 1930. Objectives include: 1) treatment of multiple layered vegetative communities in a way that encourages the growth of single-layered fire resilient, drought tolerant, and insect and disease resistant plant communities; 2) reduce likelihood of high severity fires and decrease resistance to fire control efforts by reducing surface and ladder fuels 3) improve the health and vigor of native shrubs, grasses, and forbs by reducing tree shade and stimulating shrub growth to reduce the adverse effects of repeated browsing, shading, and fire exclusion. Meeting these objectives has the effect improving wildlife habitat for species that have a high fidelity to dry forest plant communities.

12. Location of 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 topographical 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 applications related to this checklist.

Located approximately 13 air miles West of the city of Naches in portions of Sections 1, 3, and 5 of Township 14 North, Range 15 East (see map) in the Oak Creek Wildlife Area. These Sections were purchased from Plum Creek Timber by The Nature Conservancy and transferred to WDFW in 2006.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, **mountains**, other _____.
Low to moderately steep slopes in mountainous terrain. Elevation ranges from approximately 2,400 to 4,100 feet. See map.

b. What is the steepest slope on the site (approximate percent slope)?
Range of slopes between 0-30, with an average of 10 percent.

c. What general types of soils (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.
Materials range from cohesive to loose deposits of soil and weathered volcaniclastic bedrock. Drainage pattern is typically deranged. Channels are poorly developed. Subsurface water storage capacity is high. Surface runoff and delivery of sediment is relatively low except where streams are entrenched or have undercut toe slopes (see reference A.8.b.).

Soils name and class- over 80 percent composed of JUMPE (DNR soil GIS layer) :
JUMPE: LOAMY-SKELETAL - MIXED - FRIGID DYSTRIC XEROCHREPTS
SUTKIN: LOAMY-SKELETAL - MIXED - FRIGID ULTIC HAPLOXEROLLS
RUBBLE LAND

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
No.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.
No filling or grading is associated with this proposal.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
No mechanical clearing or construction is directly associated with this proposal. Short term potential of soil erosion/ash could occur, but is expected to be minimal given the extent and design of the proposal. The proposed prescribed burn is planned 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. Liter-fall from overstory will quickly contribute to surface litter cover. Unburned buffers along perennial and intermittent streams will reduce the potential for overland flow of sediments.

Natural fuel treatments will be prescribed to a) not measurably affect tree crown closure at the tree stand level,…do not light any underburn actions from within a Riparian Reserve, and d) initiate protective action if a underburn fire back into the Riparian Reserve. *Elderberry Project EA, Appendix DN-2, #18.*

Given the expected reduction in ground fuels under moderated fire weather conditions by this proposal (higher live and ground fuel moisture), the impact of future wildfires on soils and potential erosion is expected to be reduced. i.e. short term reduction of ground fuels will likely result in moderated surface fire intensity and therefore reduce the potential for more severe soil erosion if wildfire occurred in extreme fire weather conditions.

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:
In forested and wooded portions of the project, overstory mortality is prescribed to be less than 30 percent, thus 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. Perennial and intermittent steam buffers will reduce the potential for overland flow of sediment.

2. Air

a. What types of emissions to the air would result from this 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.
Local, overnight inversions are to be expected with smoke settling into Oak Creek and down canyon, to the east; however, not to the extent of including places of human residences.

A minimal amount of increased vehicle traffic will produce increased road dust for one to two weeks.

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

No "off-site sources" of emissions or odors will be associated with this proposal; however, consideration of other inputs to the "air-shed" such as other prescribed fires, agricultural burning, and Westside industrial sources will be considered in relation to the timing of the proposed project.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Because of the popularity of Oak Creek during modern firearms elk hunting season and the restricted nature of the drainage, ignition will be avoided during this time. Ignition of more than 100 acres on any given day will be avoided when transport winds are directed toward Tieton, Cowiche, and/or Yakima. Transport winds of any other direction are favorable for burning. If burn restrictions are imposed by Washington State Department of Ecology or the Yakima Regional Clean Air Authority, whether these restrictions are or are not wholly or partially due to this prescribed fire project, resources assigned to this project will begin mop-up operations. Mop-up will concentrate on those fuels creating the largest volume of visible smoke, not necessarily those closest to the project boundary as would be the case of mop-up for holding or containment reasons.

- **Burn only on days that Yakima Regional Clean Air Authority status as "Green" days.**
- **If a Stage 1 burn ban is called by Yakima Regional Clean Air Authority or the Washington State Department of Ecology, cease ignition.**

- **If a Stage 2 burn ban is called by Yakima Regional Clean Air Authority or the Washington State Department of Ecology, cease ignition and begin mop-up.**

Cautionary signs will be posted for east- and west-bound lanes on U.S. Highway 12, warning of possible smoke related visibility hazards. These signs will be placed at points located prior to where degraded visibility may be a factor. Whenever more than 100 acres are ignited, the RXB1 will consider placing a road guard on duty overnight to monitor smoke on the highway, request help as needed, adjust sign placement as appropriate, and serve as a contact for passing traffic.

Planned ignitions typically reduce the long-term impact on air quality by increasing the likely-hood of effectively suppressing unwanted wildland fires.

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.

Section 3:
Oak Creek is the boundary of the project. (DNR class 3 stream).
From the confluence of Counterfiet to boundary of sec. 3 & 4 is approximately .5 miles. (DNR class 4)

Section 5:
Approximately 1 mile of Tepee Creek (DRR class 4)
Spring on the boarder of the project

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. Firefighters will initiate protective action if an underburn fire does back into a Riparian Reserve.

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 the fill material.

No dredging or filling is associated with this proposal.

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

No water diversions are associated with this proposal. Water may be pumped into water tanks and water trucks if needed for control, but probability is low. Oak Creek is a year-around water source, with numerous suitable engine fill spots or near the end of the project area, near the intersection of Forest Roads 1400 and 1400227. Fish screens are used on end of pump hoses.

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

Proposed project does not lie within the 100-year floodplain.

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 discharges of waste materials to surface waters.

1) Will groundwater be withdrawn, or will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.
There will be no groundwater withdrawals associated with this proposal.

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 such systems, the number of houses to be served (if applicable), or the number animals or humans the system(s) are expected to serve.
No waste material is associated with this proposal.

c. Water Runoff (including storm water):

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.
There is no storm water issues directly associated with this proposal. However, see B.1.f. for potential overland flow and mitigation measures.

2) Could waste material enter ground or surface waters? If so, generally describe.
No waste material is directly associated with this proposal. There is potential that overland flow of ash will reach surface water (intermittent and perennial streams) for a short period of time and at low levels. However, given the low to moderate intensity of proposed prescribed burn and buffers of unburned vegetation, it is likely that very low levels of ash will reach any surface waters (also see B.1.f. above). Furthermore, the expected mid- to long term positive response of understory vegetation will reduce erosion potential and reduce the potential for high intensity and severe wildfires under severe fire weather conditions in the future.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
Same measures applied to reduce erosion potential. see B.1.f. for potential overland flow and mitigation measures.

4. Plants
The proposed project is dominated by dry forest ecosystems with a smaller extent of shrub steppe, and smaller amount of riparian. Dominant tree species located in the proposed project area include ponderosa pine, western larch (rare), Douglas-fir and grand-fir, listed in order of decreasing fire resistance and drought tolerance. Small numbers of quaking aspen and cottonwood occur within the proposed boundary; however, predominately in riparian reserves which will not be burned under this proposal.

a. Check or circle types of vegetation found on the site:
_X_ deciduous tree: alder, maple, aspen, other
_X_ evergreen tree: fir, pine, other
_X_ shrubs
_X_ grass
_X_ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
Allow up to 25 % mortality of desirable overstory (Douglas-fir, western larch, ponderosa pine) and up to 100% mortality of grand fir. Majority of mortality will

occur in small size classes of trees.

No maximum limit to mortality of grand fir mid- and understory. Grand fir is a shade tolerant species that has a low resistance to fire.

c. List threatened or endangered species known to be on or near the site.
No threatened or endangered species of plants are known to be on the proposed site or adjacent sites (see reference A.8.e.).

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
No planting or seeding will occur after the prescribed fire. Majority of plants will respond positively to fire by re-sprouting post fire and a large seedbank of native plants will be present in the soil.

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:
White-headed and pileated woodpecker
Pygmy and white-breasted nuthatch
Flammulated Owl
Neotropical songbirds such as Western tanager.
Cougar and black bear
Elk and Mule deer
West slope cutthroat trout, steelhead

X birds: hawk, eagle, songbirds, other:
X mammals: deer, bear, elk, other:
X fish: salmon, trout

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

A Biological Evaluation was done for the entire Elderberry Project Environmental Assessment boundary of which this project is a subset of (reference A.8.b. & A.8.e., see attached map 1). The following is excerpted from the Decision Notice and Finding of No Significant Impact for the Elderberry Timber Sale and Associated Activities (page 23-bullet 7; reference A.8.a above):

"A Biological Evaluation was done for Proposed, Endangered, Threatened, and Sensitive (PETS) wildlife and fish species. Habitat is present for a number of these species within or adjacent to the analysis area. Informal consultation has been completed with the USDI -Fish and Wildlife Service. It has been determined that this project "may effect, not likely to adversely effect" the gray wolf, grizzly bear, northern bald eagle, northern spotted owl, Canada lynx; "no effect" to the American peregrine falcon, marbled murrelet, and Designated Critical Habitat for the Northern Spotted Owl. This project will not affect the future viability of the California bighorn sheep, California wolverine, northern sagebrush lizard, northwestern pond turtle, long-legged myotis, Cascades frog, harlequin duck, Pacific Western big-eared bat, spotted frog, tailed frog, fringed rnyotis, loggerhead shrike, long-eared myotis, northern goshawk, olive-sided flycatcher, Pacific fisher, small-footed myotis, black backed woodpecker,

white-headed woodpecker, flammulated owl, pygmy nuthatch, great gray owl, mountain goat, pileated woodpecker, primary cavity nesters, Rocky Mountain elk, ruffed grouse, and three-toed woodpecker (EA pages III -11 to II -25 and DN, Appendix DN -3, pages 8 To 12). It has been determined that this project "may effect, not likely to adversely effect" steelhead/redband rainbow trout, bull trout or West slope cutthroat trout (EA pages III -7 to III -11). The project will not jeopardize the existence of steelhead/redband rainbow trout, bull trout or West slope cutthroat trout. Based on the information contained in the EA, the biological evaluations, and the interagency reviews and consistency findings, I have determined that there will be no significant effect on any of the listed species as a result of this Decision." see reference A.8.a above.

This proposed project follows guidance of Alternative 4 selected and analyzed in the DN quoted above.

c. Is the site part of a migration route? If so, explain.
The general area is used as elk and mule deer winter range and migration route. Some use is year around at lower elevations. This vegetation manipulation proposal is to increase the winter browse for both elk and mule deer, thus would increase the area's carrying capacity and importance as a wintering area.

Area is also on the Pacific flyway for waterfowl migration, but not used extensively. Is used for hawk migration of forest species, such as Cooper's hawk. Neotropical songbirds come through the area on their way north, and many (for ex. W. tanager) breed here.

d. Proposed measures to preserve or enhance wildlife, if any:
Proposal will nominally increase the number of snags per acre and are expected to improve habitat for White-headed Woodpecker, Pygmy nuthatch and Flammulated Owl. Proposal is expected to increase browse for Elk and Mule deer. Restoration of fire to the ecosystem will likely enhance vegetation characteristics for the overall habitat.

6. Energy and Natural Resources

a. What kinds of energy (electrical, 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.
Does not apply.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.
Does not apply.

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 are none known, proposed project area was surveyed for hazardous waste in 2006 calendar year. Health hazards associated with smoke produced from this project will fully considered in the "smoke management plan" described above.

1) Describe any emergency services that might be required.

In the event of serious or critical injury during the prescribed fire operations, a medical emergency plan has been developed (See reference A. 8.c. above).

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

See discussion on smoke mitigation above.

b. Noise

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

None.

2) What types and levels of noise would be created by or associated with the project on a short-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Fire crews and fire engines will be traveling to and from the proposed site on existing roads over a few week period creating very low levels of noise. Ignition of prescribed fire will be completed with a Type one helicopter, as well as providing ground to air communications. Helicopter will be at the site for less than 8 hours.

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

Limit the amount of time for aerial ignition with helicopter. Limit the number of trips to and from site as feasible.

8. Land and Shoreline Use

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

Land was recently acquired by WDFW and was formally owned by PlumCreek Timber Company. The proposal is located in the Oak Creek Wildlife Area, is managed for wildlife, their associated habitats, and public recreation. No hiking trails intersect the proposed project.

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

No--although commercial forestry has occurred on some of the proposed sites.

c. Describe any structures on the site.

No structures are located in the proposed project boundary or immediate adjacent to.

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

No.

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

Forested Watershed

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

Forested Watershed

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

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
No specific areas are known.

i. Approximately how many people would reside or work in the completed project?
Does not apply.

j. Approximately how many people would the completed project displace?
Does not apply.

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:
Proposed measures are congruent with the WDFW Oak Creek Wildlife Management plan (see A.8.f. reference). Reviewed by Oak Creek Wildlife Manger and WDFW staff.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle or low-income housing.
Does not apply.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
Does not apply.

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?
While not considered a high profile viewshed, thinning of tree cover will occur in a portion of the project. However, the majority of tree mortality will be smaller size class trees that are overtopped by more fire resistant trees – thus current "views" will be altered very little, likely even will enhance aesthetic values of views.

c. Proposed measures to reduce or control aesthetic impacts, if any:
Not applicable.

11. Light and Glare

a. What kind of light or glare will the proposal produce? What time of day would it mainly occur?
Does not apply.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
Does not apply.

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:
Does not apply.

12. Recreation

a. What designated and informal recreation opportunities are in the immediate vicinity?
Many forms of recreation including, but not limited to: hunting, fishing, hiking, wildlife viewing, ORV use, bicycling, horseback riding, and camping.

b. Would the proposed project displace any existing recreational uses? If so, describe.
Only for a very short (two week) period during the implementation of the burn.

c. Proposed measures to reduce or control impacts on recreation, including recreational opportunities to be provided by the project or applicant, if any:
Not an issue in for this proposal.

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.
No.

b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site? If so, generally describe.
The proposed project does not contain historic landmarks, none are recorded in site or next to the proposed site.

There is one Heritage Resource site that was identified on Forest Service land in a riparian area- normal avoidance of riparian will conserve this site.

A survey will be conducted by an approved entity before the project is initiated, and if historic, archeological, scientific, or culturally important discoveries are found, project will follow mitigation recommendations.

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

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.
HWY 12- Forest Service Road

b. Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
No. Rural.

c. How many parking spaces would the completed project have? How many would the project eliminate?
Does not apply.

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).

No.

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.
Does not apply.

g. Proposed measures to reduce or control transportation impacts, if any:
Does not apply.

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.
No.,

b. Proposed measures to reduce or control direct impacts on public services, if any.
Does not apply.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
Does not apply.

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.
Does not apply.

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: _____

Review by: _____

Title: _____ _____

Date: _____ _____