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:
   4220D timber harvest and road construction

2. Name of applicant: **Weyerhaeuser Company**
3. Address and phone number of applicant and contact person:

   Donald Schuh (360-291-5536)

   Weyerhaeuser Company

   Pe Ell/ Raymond Forest Area

   1098 Muller Road

   Pe Ell, WA 98572

4. Date checklist prepared: **4/27/10**
5. Agency requesting checklist: **Washington Department of Natural Resources**
6. Proposed timing or schedule (including phasing, if applicable):
   June 1, 2010 through June 1, 2012

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **Two geology reports, one covering the proposed timber harvest and one accessing the road construction/reconstruction have been prepared, and will be included with the forest practice application. The proposal falls within the Chehalis Headwaters Watershed Administrative unit, for which Watershed Analysis prescriptions apply, in addition to standard forest practice rules.**

- Both Geo. Reports are available w/ FPA#2920853 on FPARS.
- The Chehalis Headwaters Watershed Analysis is Available on the Web @ www.dnr.wa.gov

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**

- Previously withdrawn FPA # 2919339 is available on FPARS. SAB Also
- RMAP # 2502051 is available at Region office.
- FPA#2920853 is available for review on FPARS. SAB

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

A forest practice permit, issued by the Washington State Department of Natural Resources, will be required. A hydraulic permit for suspending logging cables across fish-bearing waters has already being obtained (issued by the Washington State Department of Fish and Wildlife).

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 proposal calls for even-aged harvest of a 95.4 acre parcel, reconstruction of approximately 6800 feet of one forest road (1150 road), and the rebuilding of approximately 6300 feet of a formerly abandoned forest road (4200I road). A third 480 foot long forest road (4220D road) will be built.

- FPA#2920853 lists harvest of timber + cedar salvage on 95.5 Ac, and 3 Ac of Right-of-way harvest. Total=98.5 Douglas-fir seedling to be replanted post-harvest. SAB

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.

This project is located in the Sw ¼ of Section 19 and the W ½ of Section 30, Township 12 North, Range 04 West, in Lewis County.

- FPA also lists sec. 25 of T12N, R5W. SAB

2920853

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

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

b. What is the steepest slope on the site (approximate percent slope)? **90%**

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. **clay**

- Chehalis Headwaters Watershed Analysis is Available for review on the web at www.dnr.wa.gov.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **Yes. Unstable slopes in the vicinity were identified and described in the Chehalis Headwaters Watershed Analysis document. The harvest unit geology report identifies specific areas of instability, which were excluded from the proposed harvest. A portion of the 4200I road was formally abandoned several years ago as part of the Watershed Analysis process, because it crossed through landforms that have been identified as potentially unstable. The road construction geology report includes an assessment of the 4200I road, and describes how it will be reconstructed to a stable, active forest road.**

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. **The 1150 road reconstruction will repair damage dating from the December 2007 flood, and will consist of excavating ditchlines, installing/repairing cross-drains, stabilizing cut and fillslopes, and rebuilding three washed out stream crossings. Excess excavated materials will be endhauled to identified waste areas. Most of the 4200I road prism is intact, with little damage occurring during the December 2007 flood. It was "lightly" abandoned, with some shoulder pullback, culvert removal, and water-barring. The road will be reconstructed to full-bench/endhaul standards, removing bank ravel and perched road shoulder materials to the identified waste area. Except in the vicinity of cross-drains, the road will be outsloped in order to keep the road width narrow, limit cutbank excavation, and disperse intercepted runoff. All roads will be built to forest practice standards.**

- FPA# 2920934 lists 2 waste areas w/ Total of 7,000 cy.

SAB

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Flowing water will be diverted around the jobsite during construction at stream crossings. All roads will be surfaced with rock. Exposed cut and fillslopes with potential to deliver to public resources will be hydro-mulched or covered with straw and seeded following the completion of final grading. Roads will be built/rebuilt to forest practice standards.**

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

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **See "f" above.**

2. **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. **Diesel exhaust from heavy equipment during various construction phases. No more than normal logging and road construction activities.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No**

c. Proposed measures to reduce or control emissions or other impacts to air, if any: **None**

2920853

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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.
Big Creek, a tributary to the Chehalis River.

-7 type Ns streams + 3 type Np streams are in the area + will be impacted, see below. ↓ SAB

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, installation of stream-crossing culverts on tributaries to Big Creek during road construction. We will also suspend logging cables across fish-bearing and non-fish waters. See Forest Practice Application.

-FPA #2920853 is available for review on FPARS. FPA indicates installing culverts in 7 type Ns and 3 Np streams.
SAB

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

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

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.

No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **NA**

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.

Surface runoff intercepted by the forest roads will be captured and dispersed back onto the forest floor through the use of outsloping, ditches, and cross-drain culverts, as per forest practice rules.

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

No

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

NA

4. **Plants**

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

__X__ deciduous tree: alder, maple, aspen, other
__X__ evergreen tree: fir, cedar, pine, other
__X__ shrubs
__X__ grass
_____ pasture
_____ crop or grain
_____ 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?

- FPA # 2920853 also state 3,000 mbf to be harvested and 20 mbf to be salvaged. SAB

All merchantable timber will be harvested within the harvest unit, except for timber within the riparian and unstable hillslope set-asides, which will remain uncut. Right of way timber harvest will be restricted to that necessary to complete the required earthwork. Approximately ½ acre of timber harvest will occur for construction of the 4200I waste area.

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

None

- Check of FPRAT confirms no conflict w/ T+E sp. SAB

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

NA—the harvest unit will be replanted to conifer seedlings after logging, as per forest practice rules.

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:	**hawk, eagle, songbirds**
mammals: deer, bear, elk, beaver, other:	**deer, elk**
fish: bass, salmon, trout, herring, shellfish, other:	**salmon, sculpin, cutthroat trout, steelhead**

b. List any threatened or endangered species known to be on or near the site. **None**

- Check of FPRAT confirms no conflict w/ T&E Sp.
SAB

c. Is the site part of a migration route? If so, explain. **No**

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

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. **NA**

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

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: **NA**

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. **Hydraulic oil leak from heavy equipment during construction.**

1) Describe special emergency services that might be required.

NA

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

Oil/fuel spill kits will be on site.

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None**

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

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

NA

8. **Land and shoreline use**

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

Commercial forest land

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

no

c. Describe any structures on the site.

N/A

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

N/A

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

Commercial forest land

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

Commercial forest land

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

Commercial forest land

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

Unstable landforms with the potential to deliver to public resources have been excluded from harvest.

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

NA

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

NA

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

NA

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

9. **Housing**

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

NA

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

NA

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

NA

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?

NA

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

None

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

NA

11. **Light and glare**

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

None

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?

None

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

NA

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

12. **Recreation**

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

Fishing, Hunting on private forest land.

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

Due to safety concerns, recreational activities will be temporarily curtailed in the vicinity during active harvest and road construction. Otherwise, the site will be accessible as per the private landowner's public access policy.

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

NA

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

- FPRAT Check confirms no conflict w/ historic or cultural sites. SAB

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

None

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

NA

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.

Site is on commercial forest land accessed through a private road system.

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

NA

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

None

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

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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.

No change

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

NA

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.

NA

16. **Utilities**

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

None

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.

NA

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: Donald Schuh for Weyerhaeuser Company

Date Submitted: 4/27/2010

Reviewed By: Seth A. Barnes - DNR Forest Practices / SAB

Date: 5/5/10

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY

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?

No.

Proposed measures to avoid or reduce such increases are:

See above

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

NA

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

NA

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

No

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

NA

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?

NA

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

NA

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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?

NA

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

NA

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

NA

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

NA

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

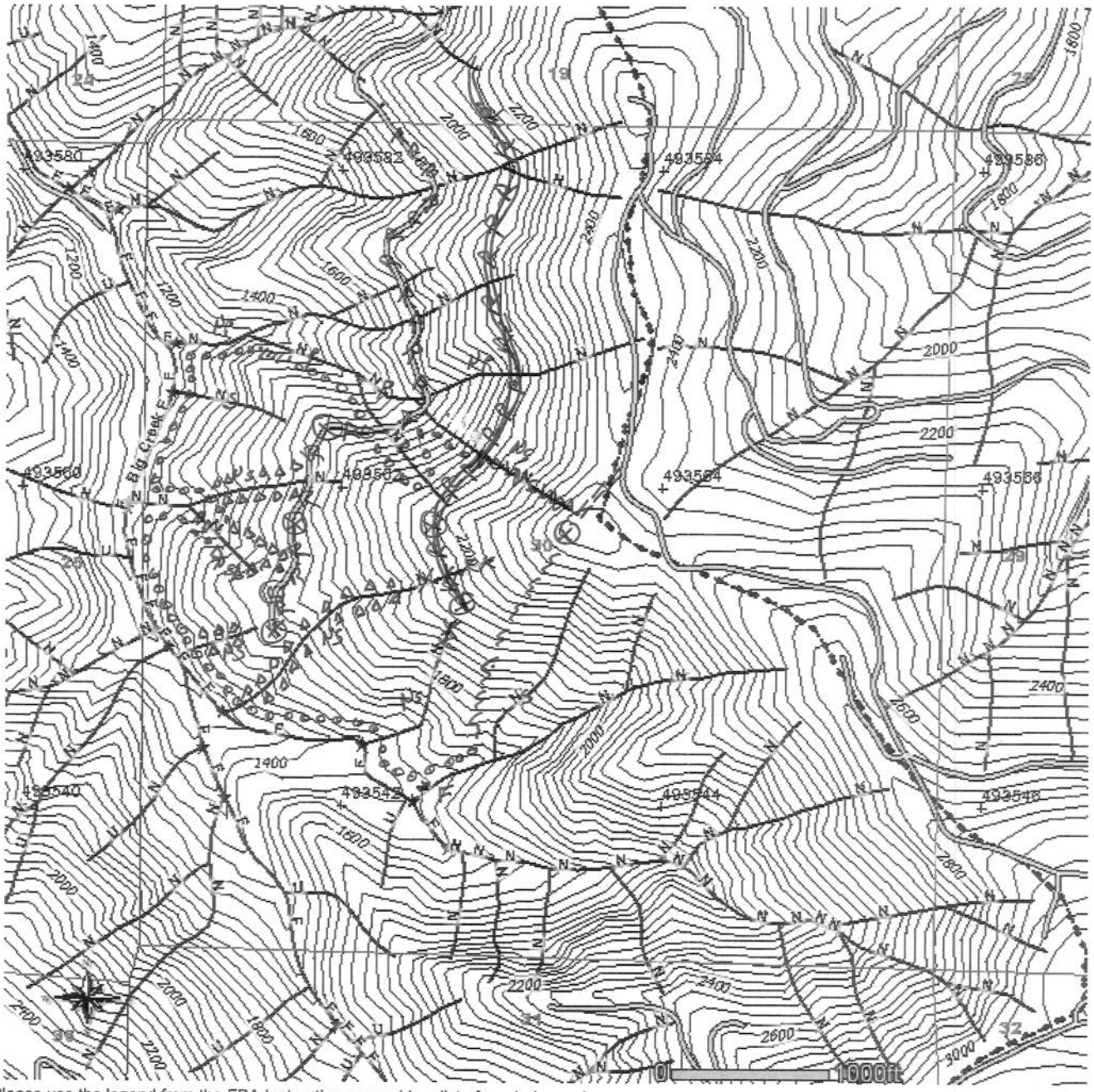
NA

Vicinity Map

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 12 NORTH HALF 0, RANGE 4 WEST (W.M.) HALF 0, SECTION 30

Application #: 2920853



Please use the legend from the FPA Instruction or provide a list of symbols used.

upland unit boundary
RMZ
unstable protection area
RLA
LANDING
NEW CONSTRUCTION
Reconstruction
LOGGER'S Choice Landing.

Tuesday, April 06, 2010 2:01:10 PM
NAD 83
Contour Interval: 40 Feet