

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal

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

1. Name of proposed project, if applicable: [\[help\]](#) **Mineral Harvest Unit**
2. Name of applicant: [\[help\]](#)
Forecastle Timber LLC, c/o: Green Crow
3. Address and phone number of applicant and contact person: [\[help\]](#)

- As indicated in FPA
2932556, contact person
is Casey Wheeler
360-461-5358.
TM

P.O. Box 350

Toutle, Wa 98649

4. Date checklist prepared: 10/26/16

5. Agency requesting checklist: DNR

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

10/20/16-12/31/17

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

Possibly— but no immediate plans to convert timberland. The property is currently operating as a tree farm and the landowner's goal is to have a long-term timber property. The Landowner would like to harvest and manage a timber stand without having a moratorium if conversion becomes an option.

- This SEPA review only covers activities described in

FPA # 2932556, which is available on FPARS. TM

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

There has not been any other environmental information prepared other than that covered in the Forest Practice Application submitted to the DNR and a Forest Management Plan submitted to Lewis County.

- FPA # 2932556 is available on FPARS. TM

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. **A Dept. of Natural Resources "Forest Practice Application" will be submitted in conjunction with the SEPA Checklist.**

- FPA # 2932556 is available on FPARS. TM

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

Previously Approved "Road Maintenance and Abandonment Plan" & Pending "FPA" submitted to the WA Dept of Natural Resources. RMAP 2502047

- RMAP 2502047 is available at the DNR Castle Rock office. FPA # 2932556

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.) **Industrial timber harvest. One 76 ac clearcut and one 110ac commercial thin. Approx 1500Mbf of timber volume. Harvest will occur with an approved FPA and under verification of the DNR and the supervision of the landowner's forester.**

is available on FPARS. TM

- FPA # 2932556 indicates 1540 mbf of timber volume will be removed.

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. **See attached FPA. FPA Map.**

- FPA # 2932556 is available on FPARS. TM

- FPA # 2932556 is available on FPARS.

- FPA # 2932556 indicates this proposal is located in portions of Sec. 33+34, T15N, R05E and Sec. 3+4, T14N, R05E, w.M. in Lewis County. TM

B. ENVIRONMENTAL ELEMENTS [help]**1. Earth** [help]

a. General description of the site: [help]

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

b. What is the steepest slope on the site (approximate percent slope)? 60%

*- FPA #2932556 indicates
steepest slope is 65%
in unit 1. TM*c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [**Bedrock, gravel and clay**]d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **No**e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. **No filling and grading at this time**f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Unlikely. Timber harvest on gentle slopes. The harvest unit will be replanted with Douglas-fir at approx. 500 trees per ac.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? Approx 600' of rock logging spur may be needed

h. **0%**i. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **No logging will occur during very wet conditions. All harvest will be completed in accordance with WA Forest Practices. Skid trails will be waterbarred and covered with slash upon completion of harvest.****2. Air** [help]a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. **Some emissions from logging equipment**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: [help]

3. **Water** [help]

a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Mineral lake is beyond 200' of the harvest unit. One small stream year-round stream is adjacent to the proposal. Four seasonal streams exist in or near the unit. One F stream is buffered in the unit.

- 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. **Falling of timber and an occasional stream crossing by tracked equipment may occur on small dry streams. Timber that is allowed to be cut in or nearby a stream will be fell away and yarded away.**

- FPA # 2932556 indicates suspending cables, cable yarding, and felling and bucking may occur in or over Type N_s waters. TM

- 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. N/A

- 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 Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

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. **none**

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.

Overland flow may be diverted by existing roads collected in the ditch and relieved through a culvert. Previous measures under an approved and completed DNR RMAP have been made to relieve ditchwater regularly as to not concentrate runoff.

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

It is unlikely that waste material will enter groundwater or surface water in this logging operation.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **Minor alterations in drainage may occur from construction of spur roads.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: **Cross drains or waterbars will allow for ditch relief to restore as much natural drainage as possible**

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

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

- deciduous tree: alder, maple, aspen, other
 evergreen tree: fir, cedar, pine, other
 shrubs
 grass

- pasture
- crop or grain
- Orchards, vineyards or other permanent crops.
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

- FPA #2932556 indicates 76 acres will be even-age harvested and 110 acres will be uneven-age harvested (commercially thinned) removing a total of approx 1,540 MBF of timber volume. TM

b. What kind and amount of vegetation will be removed or altered?
Overstory conifer and hardwood.

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

unknown

- FPRAM confirms No conflict with T+E plant species. TM

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **The clearcut will be replanted. Some understory will remain after harvest. Comm thin will enhance wildlife use. 2/3 of tree count will remain after harvest. Opening of canopy will increase understory vegetation and animal feed.**

e. List all noxious weeds and invasive species known to be on or near the site. **Knotweed and scotchbroom have been controlled in the past.**

knot

5. **Animals** [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. All but herring and Salmon.

Examples include:

- birds: hawk, heron, eagle, songbirds, other:
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other _____

- FPRAM check confirms No conflict with bald eagles. TM
- This proposal is located within the Mineral Link Spotted Owl Special Emphasis Area; however there is No conflict. TM

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

Bald Eagle? However, Not listed in Bald Eagle area of concern. Not a nesting or roosting area.

- FPRAM check confirms No conflict with bald eagles.

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

Pacific Flyway, but proposal is not anticipated to have impact.

- FPRAM check confirms this proposal is located within the Mineral Link SOSEA in an area identified as NSO Non-Habitat. No issue or conflict with NSO. TM

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

RETENTION OF BUFFERS ON LAKE AND STREAMS. RETENTION OF OTHER WILDLIFE TREES AND GREEN RECRUITMENT TREES. WILDLIFE TREES TO EXCEED STATE FOREST PRACTICE MIN REQUIREMENTS.

e. List any invasive animal species known to be on or near the site. **Unknown**
unknown

6. Energy and Natural Resources [\[help\]](#)

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

Diesel fuel to operate equipment

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

no

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

carpooling of logging crew. Carbon sequestration

7. Environmental Health [\[help\]](#)

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

If so, describe. **Low risk of fire and machine oil spills. Operator will have fire equipment and spill containment materials on site.**

1) Describe any known or possible contamination at the site from present or past uses. **Operator will have fire equipment and spill containment materials on site.**

- Any hazardous or toxic spill that occurs, or contamination that is discovered, will be reported to the Dept. of Ecology.
jm

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)
none

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.
Fuel tanks in vehicles. Machine fuel

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

5) Proposed measures to reduce or control environmental health hazards, if any: **WA L&I rules, EPA rules.**

- Any hazardous or toxic spill that occurs, or contamination that is discovered, will be reported to the Dept. of Ecology.
jm

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

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

Equipment noise

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

Construction noise

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

Project is on a tree farm with residential area approx 3/4 mile away.

8. Land and Shoreline Use [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

Forestry and residential

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? **This site has been a working tree farm. Conversion is unknown at this time. Filing a SEPA is simply to avoid a moratorium is owners wish to pursue change of classification in the future.**

-This SEPA determination only covers the activities included in FPA # 2932556.

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: **This proposal is confined to the center of a large tree farm.**

- c. Describe any structures on the site. none
none

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

- e. What is the current zoning classification of the site? **Commercial forest land**

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

- g. If applicable, what is the current shoreline master program designation of the site?
Unknown. No harvest within 200' of shoreline.

unknown

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No

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

None specific to the harvest unit. One will work on the entire property 20% of the year.

j. Approximately how many people would the completed project displace? none

k. Proposed measures to avoid or reduce displacement impacts, if any: none

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **OPERATE UNDER APPROVED FPA AND WA FOREST PRACTICES AND DFW REGULATIONS**

- FPA #2932556 is available on FPARS. TM

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: **OPERATE UNDER APPROVED FPA AND WA FOREST PRACTICES AND DFW REGULATIONS. OPERATIONS ARE ON A WORKING TREE FARM.**

- FPA #2932556 is available on FPARS. TM

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

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: none

10. **Aesthetics** [\[help\]](#)

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

b. What views in the immediate vicinity would be altered or obstructed? **Site may be viewed by boats on Mineral lake. The view to Mineral would be enhanced.**

- b. Proposed measures to reduce or control aesthetic impacts, if any: **large buffer on Mineral Lake and retention of conifer allows for minimal to no negative aesthetic impact**

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

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? N/A
- b. Could light or glare from the finished project be a safety hazard or interfere with views? N/A
- c. What existing off-site sources of light or glare may affect your proposal? N/A
- d. Proposed measures to reduce or control light and glare impacts, if any: none

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

- a. What designated and informal recreational opportunities are in the immediate vicinity?
[\[help\]](#) **Hunting and fishing. Non-motorized recreation is allowed on the ownership.**
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

The ownership is open to non-motorized recreation

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe. [\[help\]](#)

Unknown, however 2013 SEPA indicated no historical sites.

- FPRAM and USGS Historical map check confirms no conflict with historical sites or resources. TM

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

None known on the site. There is some significance that the town of Mineral is a historic logging town.

- FPRAM and USGS Historical map check confirms no conflict with archeological or cultural sites or resources. TM

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

The proper groups will be contacted if any archaeological sites are found while operating.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#) **operations will halt and proper authorities contacted if cultural or historic resources are encountered. Tribes associated with the area get a notification when this SEPA /FPA have been Filed and can express any concerns.**

Operations

14. **Transportation** [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

A "Trucks Entering Roadway" sign will be installed on the Mineral Hill Rd.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

No. None near.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? N/A

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#) _____

A COUPLE ROCKED LANDINGS MAY NEED TO BE RECONSTRUCTED, AND ONE SHORT ROCK SPUR.

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

n/a

- FPA # 2932556 indicates 600 feet of road may be constructed with this proposal. -mm

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

Approximately four log truck loads per day for three to four weeks.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. **Slight increase in log haul**

slight

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

A "Trucks Entering Roadway" sign will be installed on the Mineral Hill Rd.

15. **Public Services** [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. **no**

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

none

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

a. Circle utilities currently available at the site: **None**
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. **None**

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

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

Signature: _____

Name of signee _____

Position and Agency/Organization _____

Date Submitted: _____

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

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

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

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

- 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 [\[help\]](#)

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

Signature: Casey Wheeler

Name of signee Casey Wheeler

Position and Agency/Organization Forester, Green Crow Management Services

Date Submitted: 10/27/16

Reviewed By: Taylor Mizar - DNR Forest Practices / Tax K 12 / TM

Date: 11/8/2016

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

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

- This proposal is NOT a nonproject action. TM

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?

Proposed measures to avoid or reduce such increases are:

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

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?

Forecastle Mineral Harvest

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?

Proposed measures to avoid or reduce such increases are:

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

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?

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?

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

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?

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?

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

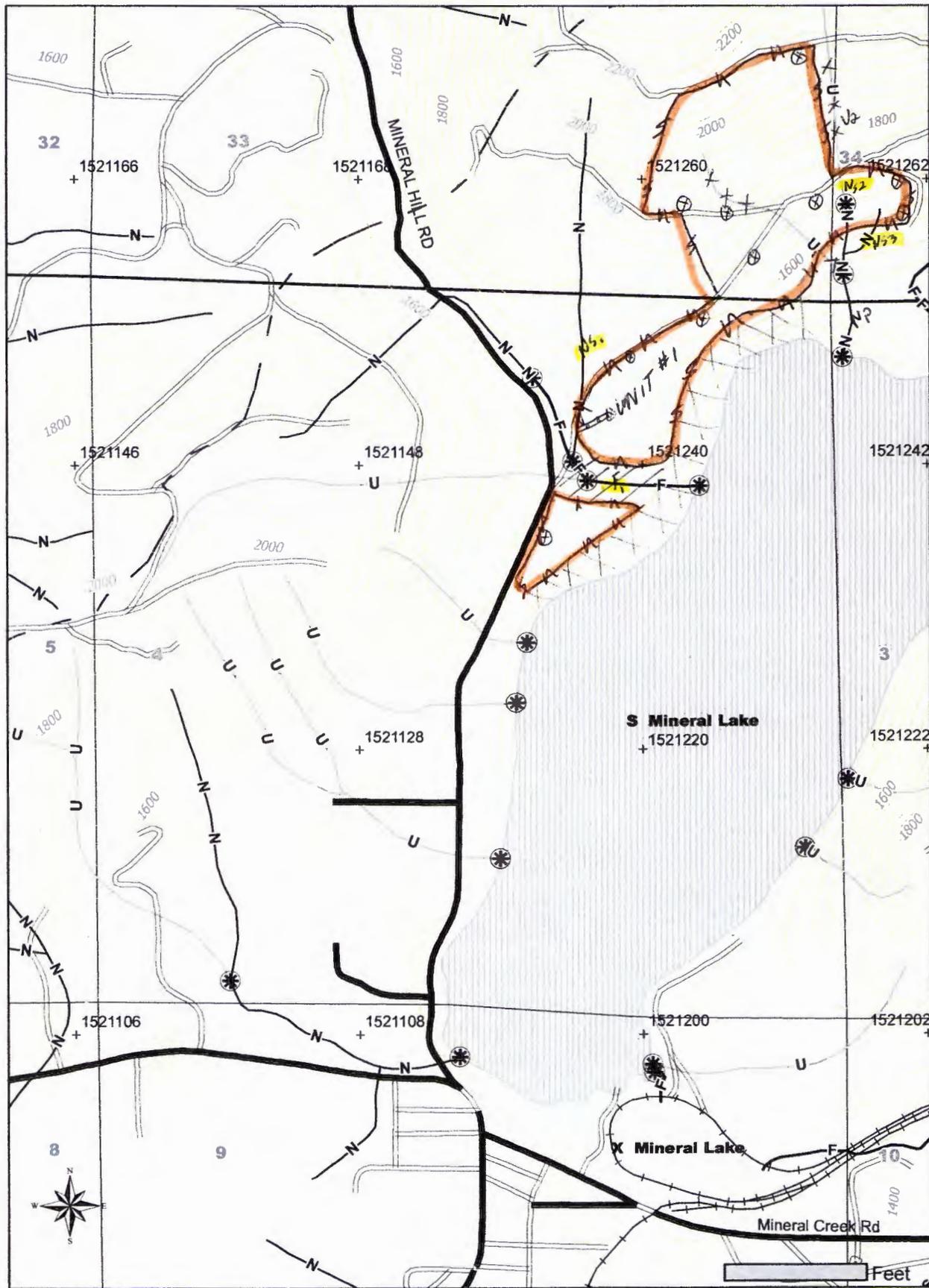
7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 14 NORTH HALF 0, RANGE 05 EAST (W.M.) HALF 0, SECTION 4

Application #: 2932556

~~2932465~~



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

Date: 10/7/2016 Time: 1:45:25 PM
NAD 83
Contour Interval: 40 Feet

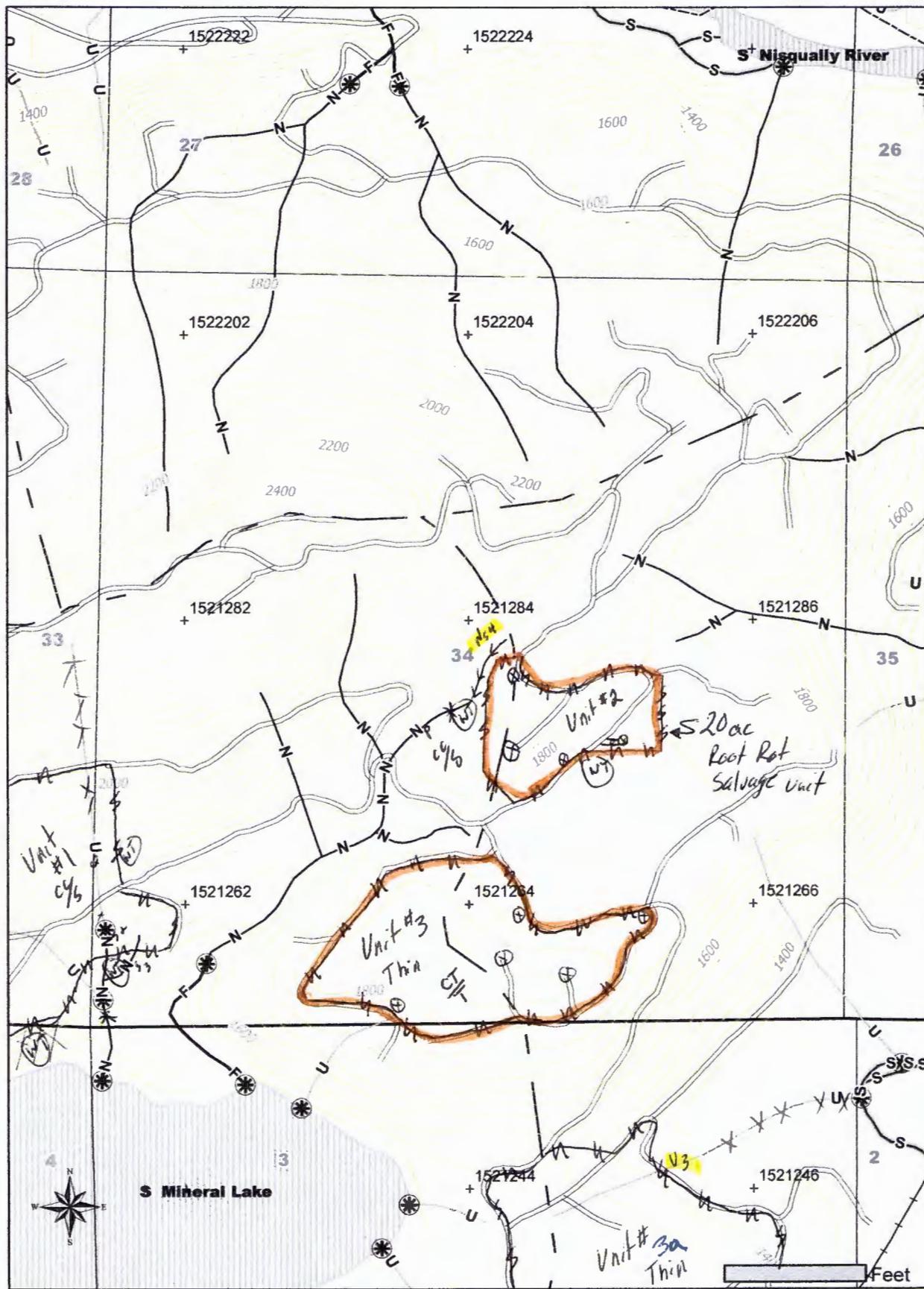
FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 15 NORTH HALF 0, RANGE 65 EAST (W.M.) HALF 0, SECTION 34

2932556

2932465

Application #: _____



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

- Harvest Unit
- F stream buffer
- 200+ Mineral Lk Buffer

- Added Stream
- Wildlife Trees
- Spur Coast.
- Landing

*UMPPF

Date: 10/7/2016 Time: 1:25:30 PM
 NAD 83
 Contour Interval: 40 Feet

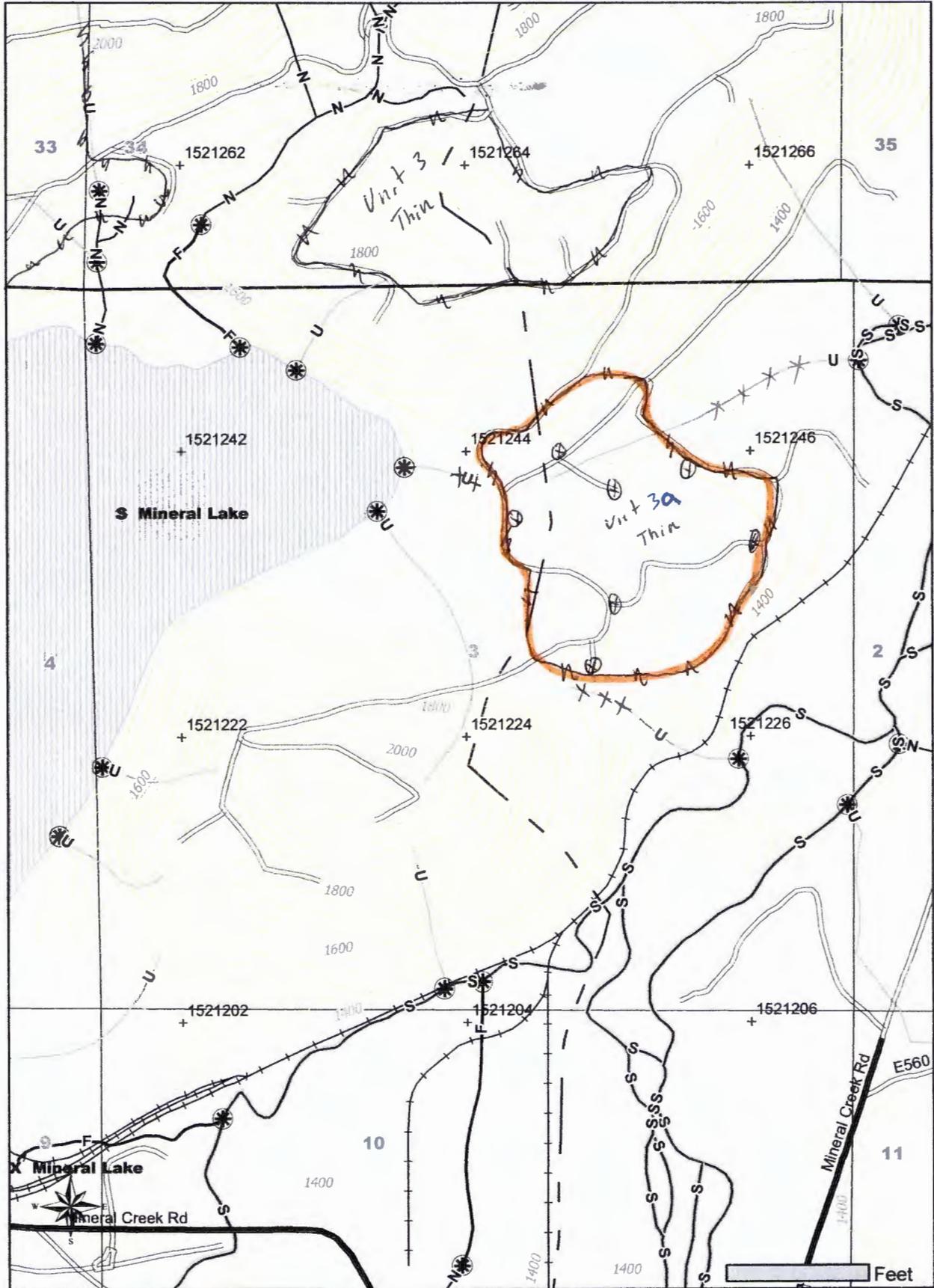
FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 14 NORTH HALF 0, RANGE 05 EAST (W.M.) HALF 0, SECTION 3

2932465

Application #:

2932556



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

Date: 10/10/2016 Time: 9:00:57 AM
NAD 83
Contour Interval: 40 Feet