

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:

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

1. Name of proposed project, if applicable: Meadow Salvage SO
2. Name of applicant: Steven Bova
3. Address and phone number of applicant and contact person:
616 Highway 395 South, Colville WA 99114. 571-435-0313

4. Date checklist prepared: 11/25/24

5. Agency requesting checklist: DNR

6. Proposed timing or schedule (including phasing, if applicable): winter 2024

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

After Harvest, the even aged harvest unit will be site prepared with herbicide in 2025 and planted in spring of 2026.

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

See attached Qualified expert report from Wild Goad Consulting and Forestry.
Available at the region office.

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.

Washington DNR FPA Number ~~3027379~~
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10. List any government approvals or permits that will be needed for your proposal, if known.

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3027425

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.)

Meadow Salvage SO is a 175-acre Timber Harvest containing two Units. Unit 1 is a 118-acre salvage harvest taking place after a large fire this summer. Unit 2 is a 57-acre uneven aged timber harvest unit and is not a salvage.

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.

T30N R33E S29 Ot Ferry County.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

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

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

60% to 70% on slopes down to river.

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.

The general soil type comprised of Cedonia, Battleplain, springdale and garrison which are generally described as ashy silty loam soils and sandy loam soils. The proposal will not result in any excavation or removal of soils from the property.

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

There are 5 features identified in the qualified expert report for this harvest. The feature 1-4 are identified as deep-seated landslides and are considered active and recent. The ground water recharge for each feature was evaluated and it was determined by the qualified expert that the proposed forest practices activities would have a low impact and low probability to increase mass wasting on or adjacent to the deep-seated landslide features. Feature 5 is a landslide on the outside of the harvest unit and was likely caused by construction of a skid trail. Feature 5 has mature timber that will not be harvested and is at no risk.

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.

Approximately a ¼ to ½ of a mile of road will be graded to allow for the construction of a landing inside the unit. The landing will consist of minimal excavation to establish log decks.

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

There will be no excavation or construction of new roads. There will be some disturbance of soil due to normal timber harvesting practices, but during and after harvest, erosion will be controlled with water bars on skid trails. It was determined by the qualified expert, that the proposed harvest practices will be unlikely to result in the delivery of any sediment.

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:

Use of water bars and other erosion control measures to reduce impact of timber harvest.

2. Air

- 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.

During the proposed forest practices activity, Normal emissions from a timber harvest including harvesting equipment and log truck can be expected. After completion, there will be no expected emissions, except for vehicle used during the herbicide and planting activities.

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

None known.

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

None

3. Water

- 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.

Yes, Meadow creek is a perennial fish type stream, which flows into the Sanpoil River. There are also two small perennial streams that lead into meadow creek.

- 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, timber harvest will take place within 200 feet of the meadow creek. See attached FPA for Details on Harvest plan for meadow creek, which is filed at North East DNR regional office.

- 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.

None.

- 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.

Road Surface runoff from rain and snow will be drained off road surface using drivable dips and out slopes.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.
3)

If there is a spill of fuel or other hazardous material in excess of 10 gallons or delivers to a stream, the department of ecology will be notified, and the affected soil will be properly disposed of.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

None.

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

None aside from those listed above in 3.c.1.

4. Plants

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

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

- grass
- pasture
- crop or grain
- 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

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

Mature conifer trees will be harvested from the unit as well as incidental hardwood and juvenile conifer trees.

Estimated 160 MBF of magnolia pine and some Fir,

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

None Known.

No known T&E plant species were found during Forest Practices Risk Assessment.

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

The even aged harvest area will be replanted with conifer trees.

e. List all noxious weeds and invasive species known to be on or near the site.

None.

5. Animals

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.

birds: hawk
mammals: deer, bear
fish: bass, trout,

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

None known.

No known T&E animal species were found during Forest Practices Risk Assessment

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

No.

All of Washington State is a part of the Pacific Flyway. The harvest area doesn't provide nesting, resting or foraging opportunities for migrating birds.

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

In the harvest area, 2 wildlife reserve trees and 2 green recruitment trees per acre will be left on site. Snags will be left in place where operationally feasible.

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

None.

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.

We will use heavy machinery to harvest and reforest the project area which will burn fossil fuels.

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

No.

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

None.

7. Environmental Health

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

- 1) Describe any known or possible contamination at the site from present or past uses.

There is a possibility that hydraulic fluid or diesel from harvesting equipment and logging trucks is spilled. There is also a risk of fire from harvest equipment, unlikely due to harvest being planned this winter.

- 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.
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.
Herbicide will be used to site prep the unit for reforestation.

- 4) Describe special emergency services that might be required.

None anticipated, but ambulance and possible life flight could be needed in the event of a serious accident.

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

Employees and contractors have safety protocols and emergency procedures in place to ensure safety 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 noise associated with heavy equipment, from the hours of 6am to 6 pm, Monday through Friday.

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

None.

8. Land and Shoreline Use

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.

Commercial forestry and outdoor recreation.

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?

The area has been used as commercial forest land and will continue to be used as commercial forest land.

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:

There will be an application of pesticides as site prep for reforestation. The pesticides will be administered using ground crew and will be applied using appropriate buffers approved by the DNR.

c. Describe any structures on the site.

There are no structures on the site.

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

No.

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

There are no zoning codes in ferry county.

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

Land use code 88, Forest land Designation.

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

N/A

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.

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

None.

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

N/A

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

None needed.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

None.

9. Housing

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

N/A

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

N/A

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

N/A

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?

N/A

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

There will be a small impact due to the removal of the of mature timber but will be replanted with more timber.

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

None.

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?

None.

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:

None.

12. Recreation

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

Camping, fishing, hunting, hiking, swimming, bug collecting.

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:

None.

13. Historic and cultural preservation

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.

There are multiple archeological sites that were recognized by DHAP. Specifics are not known but there is a request in for data from DAHP so it can be protected.

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.

None known.

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.

DAHP request.

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.

Landowner is working with DAHP to protect any known cultural, historic or archeological resources on-site

When the DAHP request for data has been fulfilled, the sites will be protected based on DAHP's recommendation. Such specific actions are unknown at this time but will be submitted to DNR for approval.

14. Transportation

- 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.

There are private roads that go through the unit, and connect to highway 21, which is a public road.

- 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?

N/A

- c. 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). _____

There will be improvement of private roads inside the unit and then the road will be repaired after the harvest has been completed.

- d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

- e. 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?

The peak will be during harvest operations this winter and will consist of an estimated 30 trips per day, including logging trucks and pickup trucks.

- f. 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.

There could be other timber harvests taking place on the same road, but the logging trucks will use CB radio to communicate with other logging vehicles.

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

We require CB radio to be used by contractors and will use signs to alert other vehicles of logging operations.

15. Public Services

- 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.

N/A

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.

None.

C. Signature

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

Signature: 

Name of signee Steven Bova

Position and Agency/Organization Manulife Investment Management

Date Submitted: 11/26/24