

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.

¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

A. Background

[Find help answering background questions²](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background)

1. Name of proposed project, if applicable:

Brookfield South (13919)

2. Name of applicant:

Allyn Cole for Weyerhaeuser Timber Holdings

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

Address: PO Box 667 Longview, WA 98632

Phone: (360) 669-3010

Contact Person: Allyn Cole

4. Date checklist prepared:

03/22/2024

5. Agency requesting checklist:

WA Department of Natural Resources

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

Road construction will be completed by Fall of 2024, abandonment will be completed prior to FPA expiration, following the harvest of surrounding unit (FPA#2942126).

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

There are no plans for future additions, expansion, or further activity related to or connected with this proposal.

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

Geotechnical Report prepared by Jason Hinkle (CEG, LEG, QE) on 03/20/2024

FPA#s 2942126 and 2942358 are available on FPARS and at the Region office. -ST
- Geotechnical Report is available with FPA# 2942358 on FPARS and at the Region office. -ST

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.

This SEPA has been requested as part of a WA Department of Natural Resources Forest Practice Application.

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

WA Department of Natural Resources Forest Practice Application.

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

² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

this page. (Lead agencies may modify this form to include additional specific information on project description.)

This project aims to temporarily reconstruct forest road Spur 7A that has been affected by a landslide to allow for effective forest management of the surrounding harvest unit as well as remove a partial fish barrier culvert, and three non-fish stream culverts.

- FPA # 2942358 indicates 1115 feet of Road construction, 1115 Feet of Road Abandonment, 4 Stream Crossings, and 900 Cubic Yards of spoils. -JCT

- 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.

The project area is located on Wahkiakum tax parcel # 351007410001 In Township 10N, Range 7W, Section 35.

B.Environmental Elements

1. Earth

[Find help answering earth questions³](#)

- a. General description of the site:

Circle or highlight one: Flat, **rolling**, **hilly**, steep slopes, mountainous, other:

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

75%

- 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.

Lytell silt loam

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

³ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

Yes, road construction will take place on/over a recently active deep-seated landslide deposit on the road grade. Numerous signs of potential instability are buffered with the sounding harvest unit.

- 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 275 cubic yards of fill material will be necessary for the project, approximately 325 cubic yards of material will be removed associated with the abandonment of Spur 7A and will be placed in designated waste area sites as apart of the Forest Practice Application. The fill source will be excavated from a rock pit within the surrounding area.

*- FPA # 2942358 indicates
900 cubic yards of Spots. -JCT*

- f. **Could erosion occur because of clearing, construction, or use? If so, generally describe.**

Erosion may occur as the project is being undertaken, however after the project is completed the project area will have improved the instability of the project area.

- 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.**

Temporary reconstruction of Spur 7A will reduce and control erosion by laying down geo-fabric over the existing grade where 275 cubic yards of fill material will be placed to establish a temporary road grade. When the road is abandoned, all fill material and geo fabric will be removed and placed in the designated waste area to leave the slide material intact and disturb the slide area as minimally as possible. The area at the start of temporary reconstruction shows signs of slumping within the road prism, this area will be disturbed as minimally as possible by grading to establish a smooth-running surface. The steps above are planned to reduce risk and control erosion through the slide area.

2. Air

[Find help answering air questions⁴](#)

- 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 operation, minimal emissions will be produced by machine and vehicle engines.

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

⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

None.

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

None.

3. Water

[Find help answering water questions⁵](#)

a. **Surface:**

[Find help answering surface water questions⁶](#)

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.**

There are several non-fish seasonal, non-fish perennial streams and fish streams within 200 feet of the project area. See FPA maps and application for stream type classification and labels.

- FPA # 2942358 is available on FPARS and at the Region Office -JRT

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.**

Road construction and culvert removal on two non-fish seasonal, one non-fish perennial, and one fish stream.

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 a 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.**

The removal of the fish culvert will require work within the 100-year floodplain. See FPA for further information.

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.

⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

b. Ground:

[Find help answering ground water questions⁷](#)

- 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 a 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 (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.**

Relief culverts and water bars post project from the road system will direct surface run off to the forest floor. This storm water has the potential to reach typed water after filtering through the forest floor.

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

No.

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

When Spur 7A is abandoned as part of the FPA, water bars, and instream culvert removals will improve drainage patterns within the vicinity.

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

When Spur 7A is abandoned as part of the FPA, water bars, and instream culvert removals will improve drainage patterns within the vicinity.

4. Plants

[Find help answering plants questions](#)

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

- deciduous tree: alder and maple**

⁷ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater>

- evergreen tree: Douglas fir, western hemlock, and western red cedar
- shrubs
- grass
- pasture
- crop or grain
- orchards, vineyards, or other permanent crops.
- wet soil plants: skunk cabbage and water parsley
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

- FPA # 2942358 indicates Trees cut for Culvert Removal will be left on site. -JCT

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

The project area is comprised of a dominant overstory of Douglas fir, western hemlock and western red cedar with components of red alder. The understory is comprised of a mixture of red huckleberry, sward fern, and vine maple.

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

None known threatened or endangered species known to be on or near the site.

- FPRAM Check Confirms No Conflict with T+E Plant species. -JCT.

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

None.

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

No noxious weeds and invasive species known to be on or near the site.

5. Animals

[Find help answering animal questions](#)⁸

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site.

Examples include:

- Birds: hawk and songbirds
- Mammals: deer, bear and elk
- Fish: trout and sculpin

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

- FPRAM Check Confirms No Conflict with T+E Animal species. -JCT

⁸ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

None known threatened or endangered species known to be on or near the site.

- c. Is the site part of a migration route? If so, explain. *- Washington State is considered part of The Pacific Flyway; However, No Impacts are Anticipated as a result of this proposal. -JCT*
No.

- d. Proposed measures to preserve or enhance wildlife, if any.
None.

- e. List any invasive animal species known to be on or near the site.
No invasive animal species known to be on or near the site.

6. Energy and natural resources

[Find help answering energy and natural resource questions⁹](#)

- 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. *- Diesel fuel is expected to be consumed during Road Construction/Abandonment, Activities. -JCT*
None.
- 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

[Health Find help with answering environmental health questions¹⁰](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe. *- Any Hazardous or toxic Spill that Occurs or Contamination that is Discovered will be reported to the Department of Ecology. -JCT*

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

There is no known contamination on the site of this proposal. If there were an equipment failure during the completion of this project there is a possibility of a spill or fire could occur.

⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

¹⁰ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health>

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.

Hydraulic fluid, motor oil, gasoline and diesel will be used by construction and logging equipment.

4. Describe special emergency services that might be required.

Fire suppression equipment will be onsite during fire season.

5. Proposed measures to reduce or control environmental health hazards, if any.

Spill kits will be present onsite to mitigate any spilled fluids.

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)?

Logging and construction operations will produce short-term noise.

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

None.

8. Land and shoreline use

[Find help answering land and shoreline use questions](#)¹¹

- 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 timberland, no.

- 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 because 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?

¹¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

The project area has been used as long-term commercial forest with no intention of converting to another use.

- 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?**
No.
- c. Describe any structures on the site.**
None.
- d. Will any structures be demolished? If so, what?**
None.
- e. What is the current zoning classification of the site?**
Forestry.
- f. What is the current comprehensive plan designation of the site?**
N/A.
- 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.
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:**
None.

9. Housing

[Find help answering housing questions](#)¹²

- 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:**
N/A.

10. Aesthetics

[Find help answering aesthetics questions](#)¹³

- 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?**
N/A.
- c. **Proposed measures to reduce or control aesthetic impacts, if any:**
N/A.

11. Light and glare

[Find help answering light and glare questions](#)¹⁴

- 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?**
N/A
- 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:**

¹² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

¹³ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

¹⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

None.

12. Recreation

[Find help answering recreation questions](#)

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

Area is accessible to recreation user via permit only.

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

Yes, during road construction and active harvest.

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

N/A, private recreation lands.

13. Historic and cultural preservation

[Find help answering historic and cultural preservation questions](#)¹⁵

- 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.**

None.

*- FPRAM, USGS Historical map, and GLO Maps
Check Confirm No Conflict with Historical Sites
or Resources. - JCT*

- 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.**

There is no known evidence of Indian or historic use or occupation within the scope of the proposal.

*- FPRAM, USGS Historical map, and GLO Maps
Check Confirm No Conflict with Archaeological or
Cultural Sites
or Resources. - JCT*

- 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.**

GIS data, field review.

- 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.**

None.

¹⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

14. Transportation

[Find help with answering transportation questions¹⁶](#)

- 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.

N/A.

- 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).

This proposal is for the temporary reconstruction of an existing and temporary new private forest road.

- FPA # 2942358 indicates 1115 Feet of Forest Road Construction and 1115 Feet of Forest Road Abandonment and four Stream Crossings. -JCT

- 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?

None.

- 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.

No.

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

No.

15. Public services

[Find help answering public service questions¹⁷](#)

- 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.

¹⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

¹⁷ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

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

None.

16. Utilities

[Find help answering utilities questions¹⁸](#)

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

[Find help about who should sign¹⁹](#)

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.

X 

Type name of signee: Allyn Cole

Position and agency/organization: Engineering Specialist, Weyerhaeuser Timber Holdings

Date submitted: *Reviewed By: John Tapley - DMR Forest Practices / John Tapley / JET*
Date: 4/08/2024

D. Supplemental sheet for nonproject actions

[Find help for the nonproject actions worksheet²⁰](#)

Do not use this section 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.

¹⁸ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

¹⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>

²⁰ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions>

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?

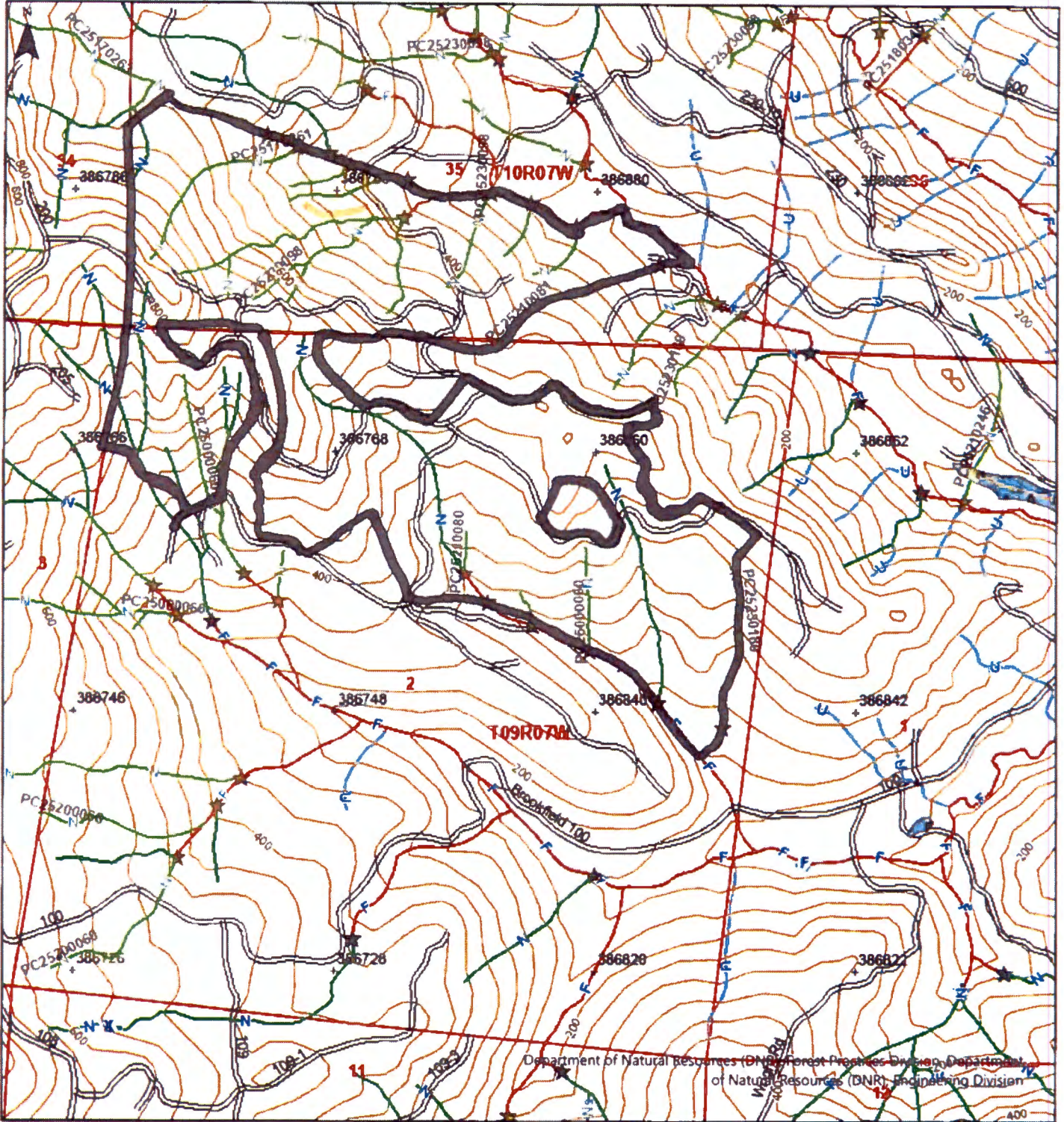
- **Proposed measures to avoid or reduce shoreline and land use impacts are:**

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 Practices Water Type Map



Department of Natural Resources (DNR) Forest Practices Division, Department of Natural Resources (DNR) Engineering Division

Map Symbols	
	New Stream
	Proposed Water Type
	Stream Removal
	Break between water types
	Start and End Point of Surveyed Reach
	Natural Fish Barrier
	Manmade Barrier
	End of Fish or Last Fish

Additional Information	
	-Temp Construction
	Activity Area

Legal Description
 S10 T09.0N R07.0W, S02 T09.0N R07.0W, S34 T10.0N R07.0W, S36 T10.0N R07.0W, S03 T09.0N R07.0W, S11 T09.0N R07.0W, S12 T09.0N R07.0W, S01 T09.0N R07.0W, S35 T10.0N R07.0W



Extreme care was used during the compilation of this map to ensure its accuracy. However, due to changes in data and the need to rely on outside information, the Department of Natural Resources cannot accept responsibility for errors or omissions, and therefore, there are no warranties that accompany this material.

Approximate Scale 1:12,000

Date: 4/4/2024 Time: 12:08 PM

County: Wahkiakum, WA

Watershed: Skamokawa



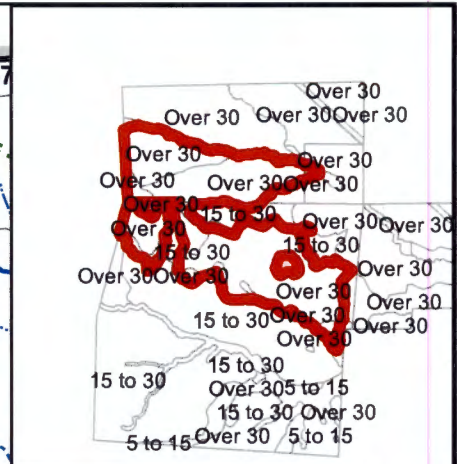
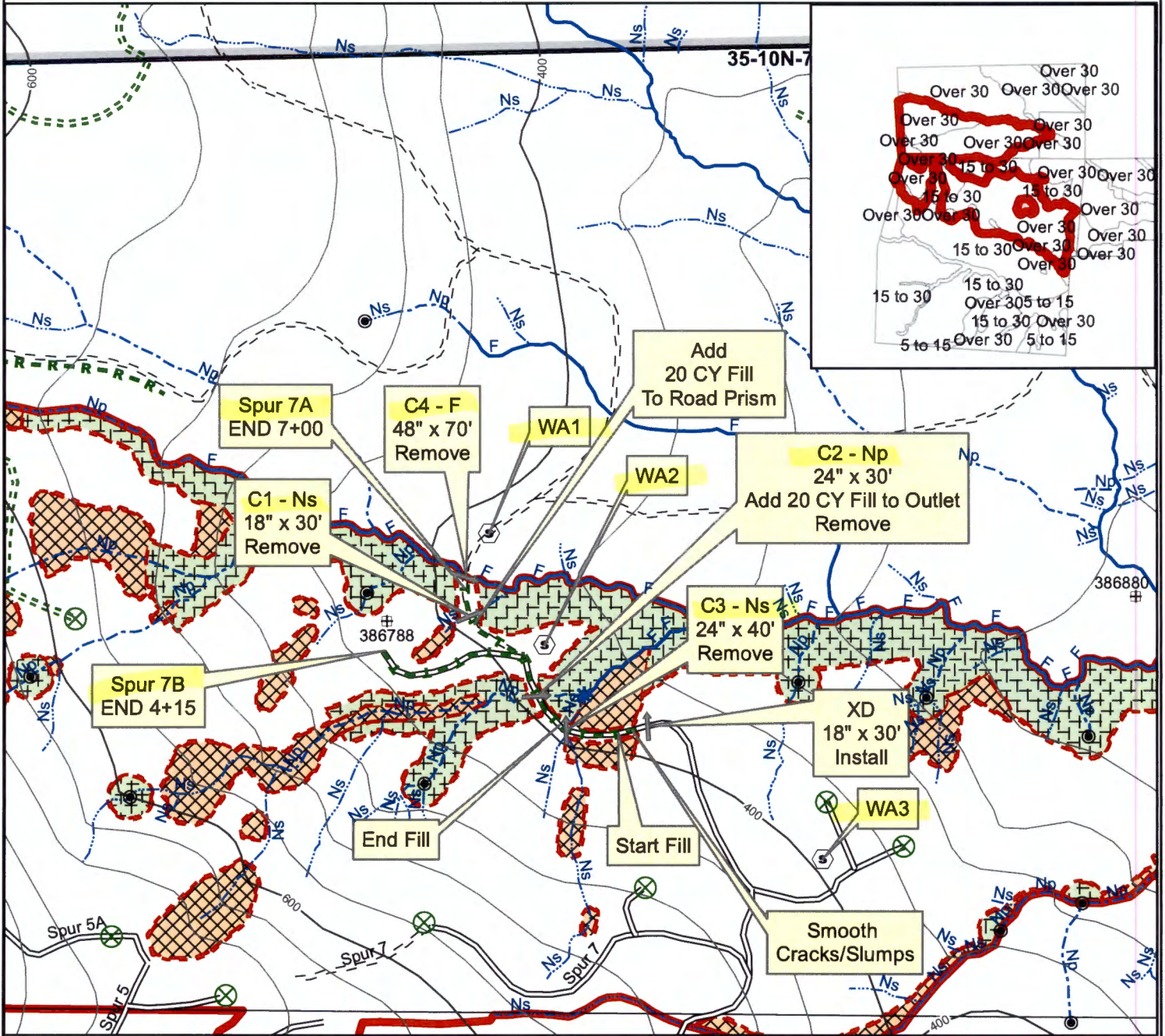
Brookfield South Cathlamet Setting FPA Map 2-9N-7W



HPU: 13913
FPA:

- 2942358 -

Decimal Degrees
Lat 46.303242 N
Long -123.515330 W



		Engineered Roads
	Harvest Method	
		Existing Roads

Acres	
Net Harvestable	_____
Road Acres	
Timbered R/W	_____
Existing R/W	_____
New R/W	_____

Notify Engineer if survey corner is disturbed

Comments:
See Brookfield South FPA #2942126 for surrounding unit.
See fish culvert removal plans for C4.
See geo memo for information regarding road construction.

0 200 Feet
1 inch = 400 feet

AUID: 100747125
Org: 112

Creator: CLARKD4
Printed 3/25/2024

County: Wahkiakum, WA
 Watershed: Skamokawa



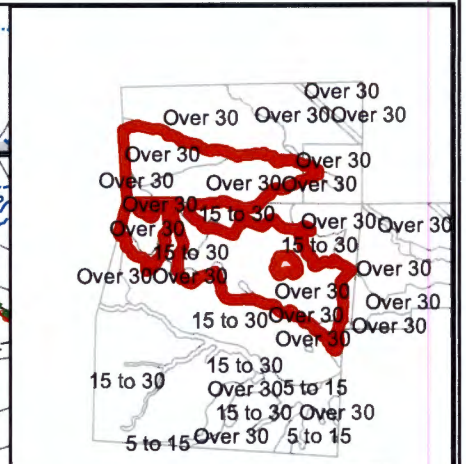
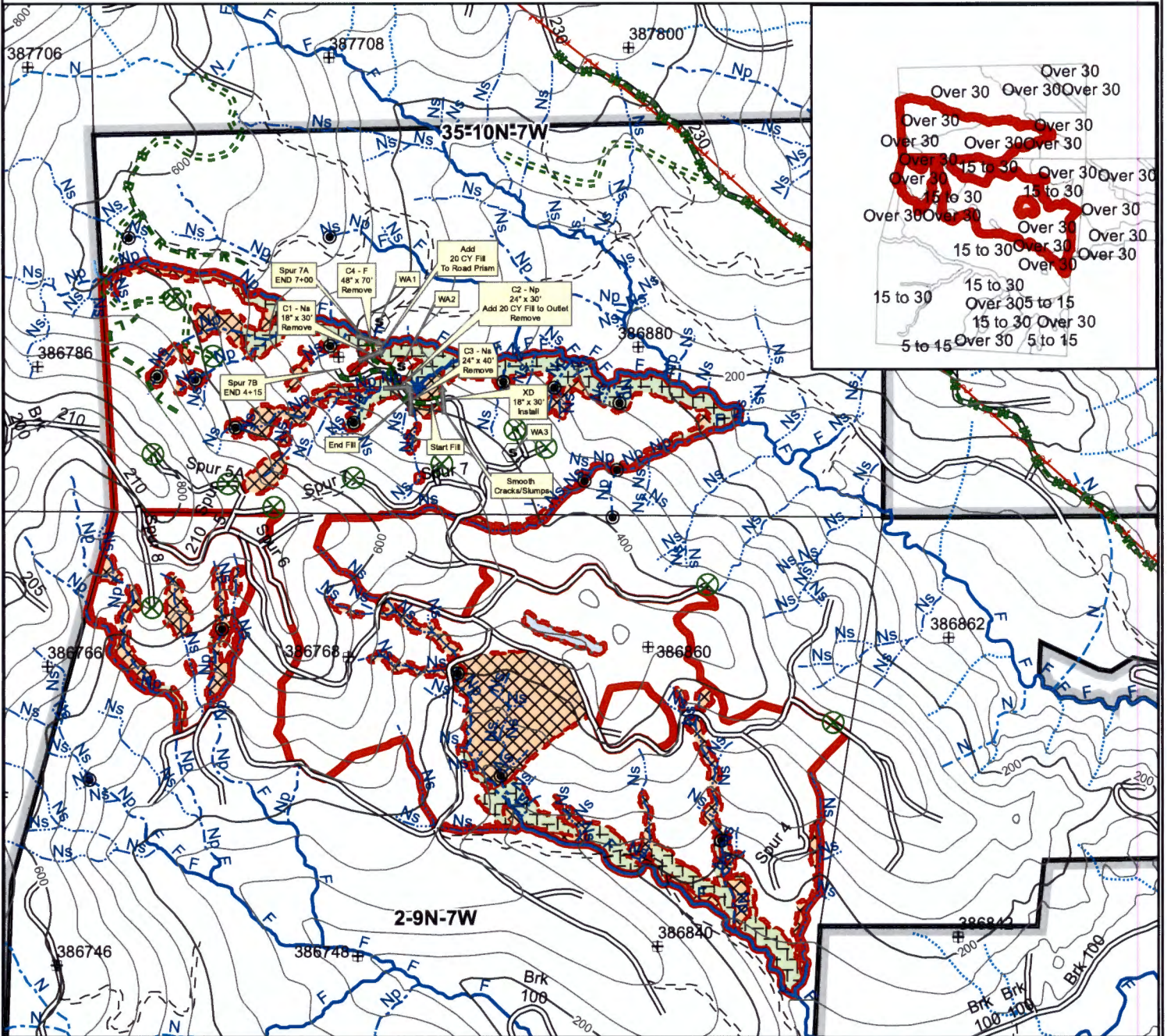
**Brookfield South
 Cathlamet
 Setting FPA Map
 2-9N-7W**



**HPU: 13913
 FPA:**

- 2 9 4 2 3 5 8 -

+ Decimal Degrees
 Lat 46.299527 N
 Long -123.510945 W



		Engineered Roads
	Harvest Method	
		Existing Roads

Acres	
Net Harvestable	_____
Road Acres	
Timbered R/W	_____
Existing R/W	_____
New R/W	_____

Notify Engineer if survey corner is disturbed

Comments:
 See Brookfield South FPA #2942126 for surrounding unit.
 See fish culvert removal plans for C4.
 See geo memo for information regarding road construction.



AUID: 100747125
 Org: 112
 Creator: CLARKD4
 Printed 3/25/2024

County: Wahkiakum, WA

Watershed: Skamokawa



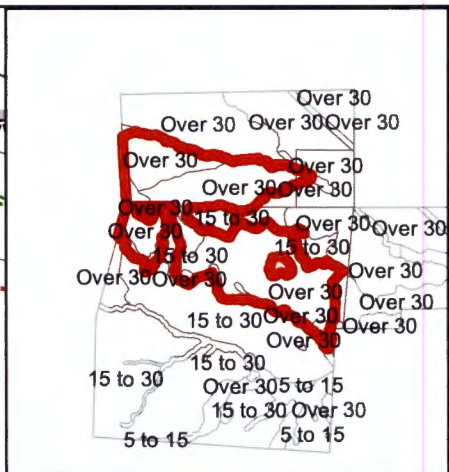
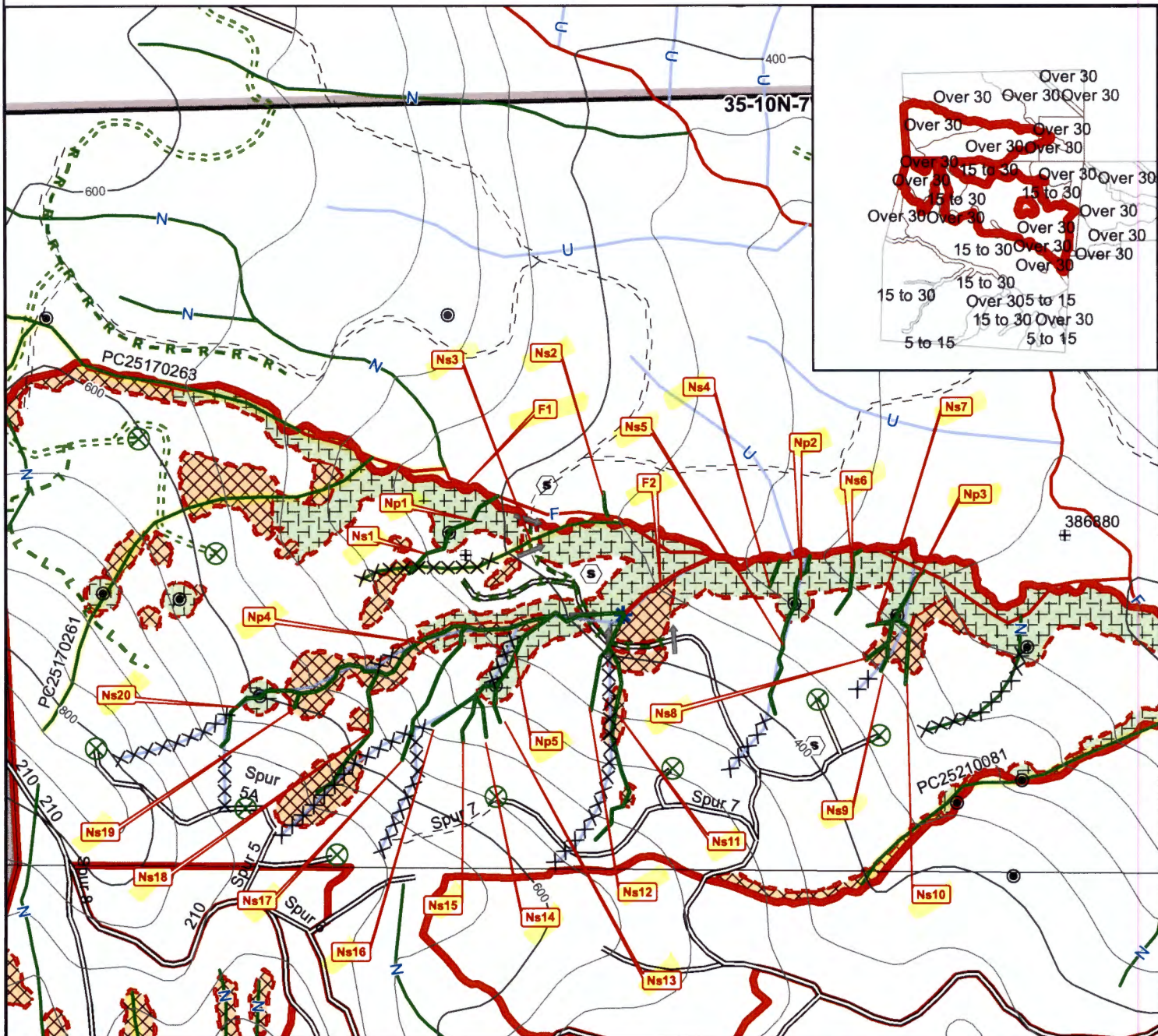
Brookfield South Cathlamet Activity Map 2-9N-7W



HPU: 13913
FPA:

- 2942358 -

Decimal Degrees
Lat 46.302795 N
Long -123.515820 W



		Engineered Roads
		New Construction
		Maintenance
		Reconstruction
	Harvest Method	Loggers Choice
		Temporary
		Abandon
		Existing Roads
		Street/Highway
		Paved
		Gravel
		Dirt
		Undrivable

Acres	
Net Harvestable	_____
Road Acres	
Timbered R/W	_____
Existing R/W	_____
New R/W	_____

Notify Engineer if survey corner is disturbed

Comments:
 40ft NED Contours
 DNR_Hydro
 DNR_Hydro_WTMF
 Reviewed for unstable slopes
 Potentially Unstable Slopes

0 200 400 Feet
1 inch = 500 feet

AUD: 100747125
 Org: 112
 Creator: CLARKD4
 Printed 3/26/2024

County: Wahkiakum, WA
 Watershed: Skamokawa

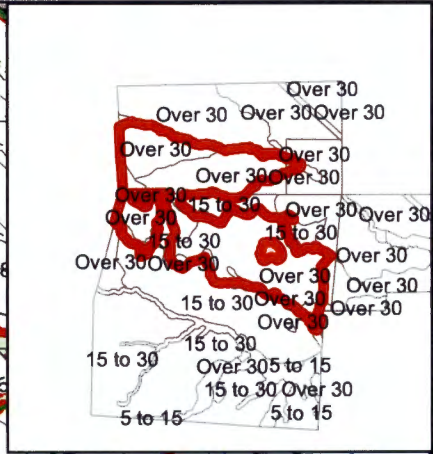
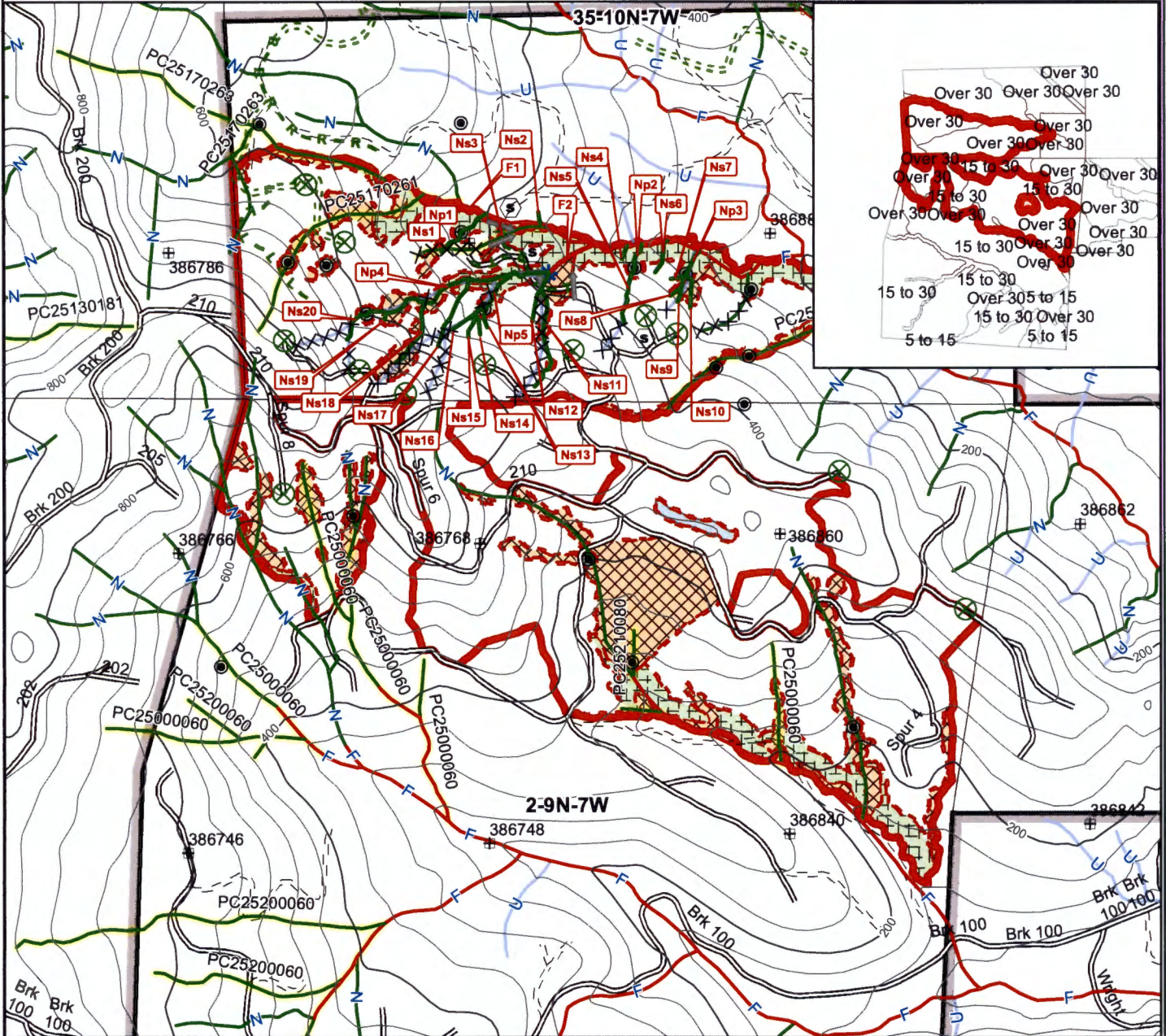


**Brookfield South
 Cathlamet
 Activity Map
 2-9N-7W**



**HPU: 13913
 FPA:**

+ Decimal Degrees
 Lat 46.297453 N
 Long -123.514339 W



		Engineered Roads
	Harvest Method	
		Existing Roads

Acres	
Net Harvestable	_____
Road Acres	
Timbered R/W	_____
Existing R/W	_____
New R/W	_____

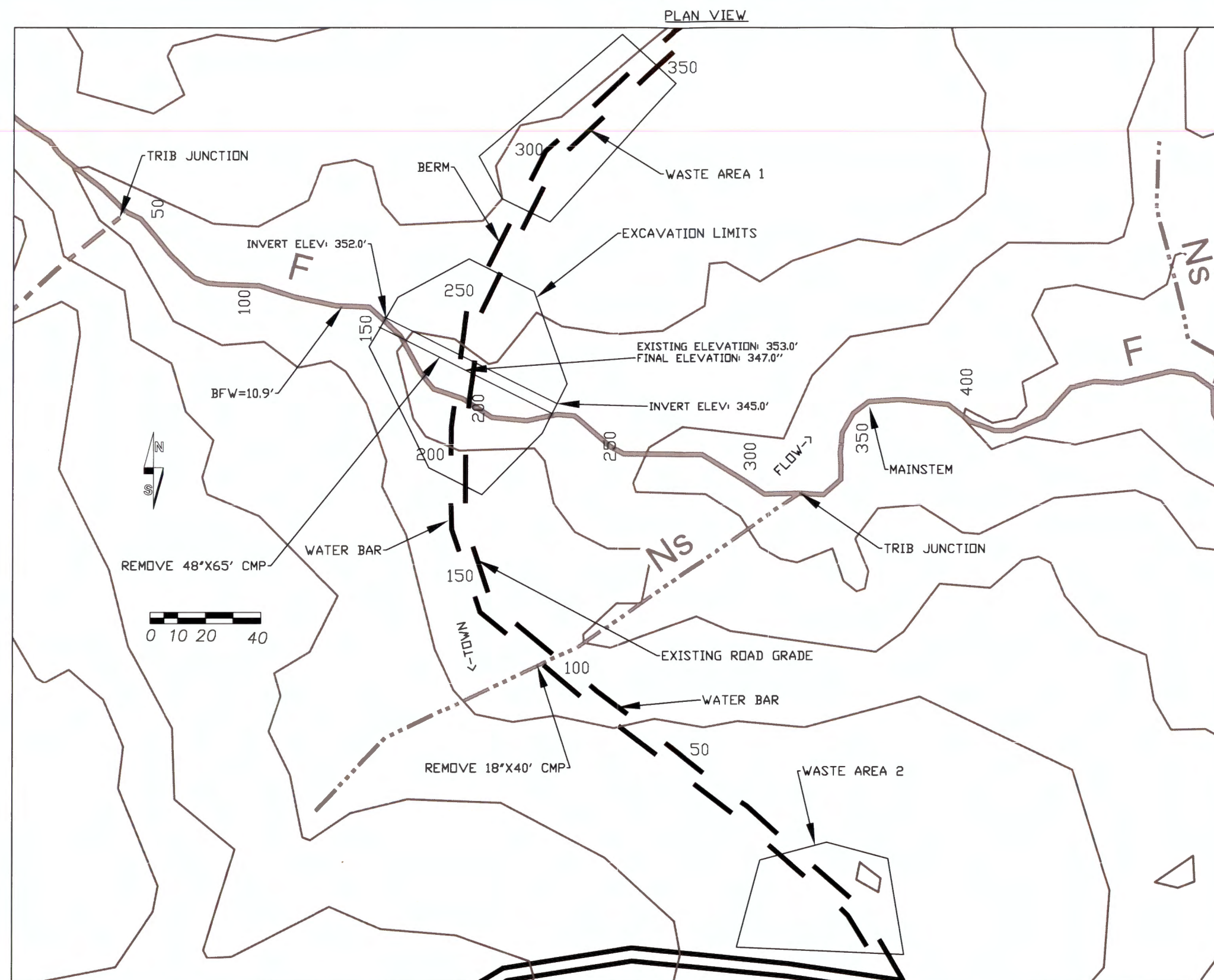
Notify Engineer if survey corner is disturbed

Comments:
 40ft NED Contours
 DNR_Hydro
 DNR_Hydro_WTMF
 Reviewed for unstable slopes
 Potentially Unstable Slopes

0 200 400 600 800 Feet
 1 inch = 1,000 feet

AUID: 100747125
 Org: 112
 Creator: CLARKD4
 Printed 3/26/2024

SAFE FROM THE START



CONTOUR INTERVAL = 10'

- NOTE:
- 1) THE PURPOSE OF THIS PROJECT IS TO PROVIDE FISH PASSAGE AND TO WITHSTAND 100-YR FLOOD EVENTS.
 - 2) EACH SITE HAS ITS OWN ASSUMED BENCHMARK ELEVATION FROM A SITE SPECIFIC SURVEY.
 - 3) THE CONTRACTOR SHALL INSTALL A THALWEG WITHIN THE NEW CHANNEL
 - 4) IF UNFORESEEN SITE CONDITIONS REQUIRE ADJUSTMENT OF LOCATIONS OR ELEVATIONS THE CONTRACTOR WILL STOP WORK AND CONTACT THE WEYERHAEUSER ENGINEER.

REV.	REVISION	DATE	BY	APP.	WEYERHAEUSER
1	SUBMITTED FOR REVIEW	3/4/24	DJC		PREV. DWG. NO.
2					
3					DRAWN DJC DESIGN DJC
4					DATE 3/4/24 DATE 3/4/24
5					CHECK APPR.
6					DATE DATE
7					SHT. SIZE SCALE
8					11X17 1" = 40'

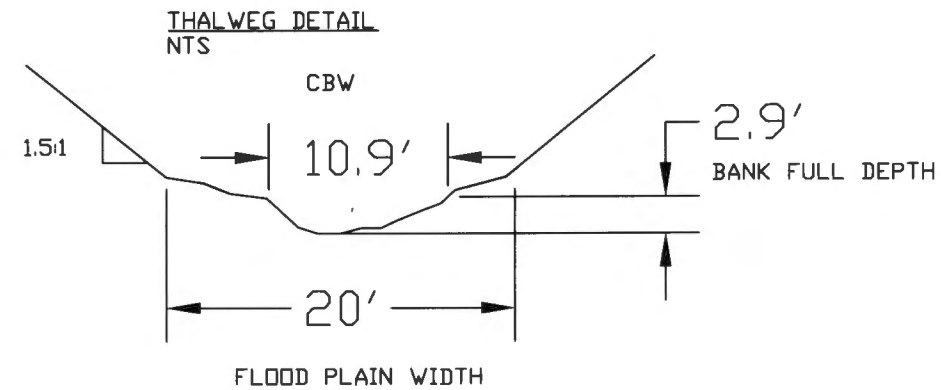
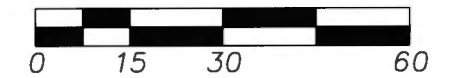
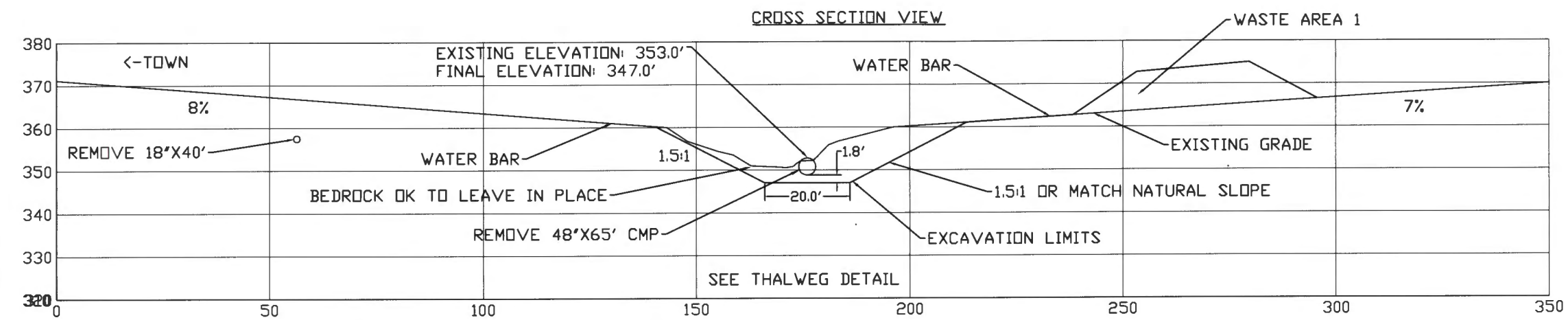
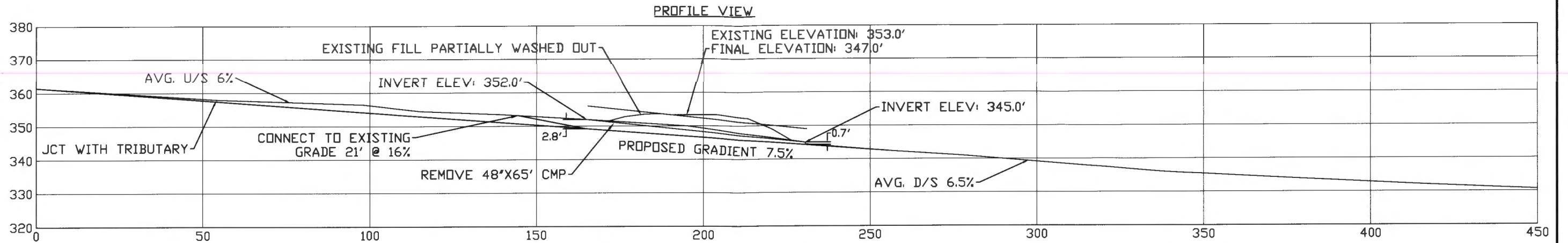
Weyerhaeuser

FISH BARRIER REMOVAL PROJECT
PLAN

SEC 35, T10N, R7W
BROOKFIELD RD
SITE NEW

LATITUDE: 46°18'9.91"N
LONGITUDE: 123°30'59.83"N

1/2



- NOTE:
- 1) THE PURPOSE OF THIS PROJECT IS TO PROVIDE FISH PASSAGE AND TO WITHSTAND 100-YR FLOOD EVENTS.
 - 2) EACH SITE HAS ITS OWN ASSUMED BENCHMARK ELEVATION FROM A SITE SPECIFIC SURVEY.
 - 3) THE CONTRACTOR SHALL INSTALL A THALWEG WITHIN THE NEW CHANNEL
 - 4) IF UNFORESEEN SITE CONDITIONS REQUIRE ADJUSTMENT OF LOCATIONS OR ELEVATIONS THE CONTRACTOR WILL STOP WORK AND CONTACT THE WEYERHAEUSER ENGINEER.

NOTE:
MATERIALS WILL BE SOURCED FROM ONSITE

REV.	REVISION	DATE	BY	APP.	WEYERHAEUSER
1	SUBMITTED FOR REVIEW	3/4/24	DJC		PREV. DWG. NO.
2					DRAWN DJC DESIGN DJC
3					DATE 3/4/24 DATE 3/4/24
4					CHECK APPR.
5					DATE DATE
6					SHT. SIZE SCALE
7					11X17 1" = 30'
8					

Weyerhaeuser
 FISH BARRIER REMOVAL PROJECT
 CROSS SECTION
 SEC 35, T10N, R7W
 BROOKFIELD RD
 SITE NEW
 LATITUDE: 46°18'9.91"N
 LONGITUDE: 123°30'59.83"N