



## LOGGING CONTRACT

**BETWEEN:**

**LANDOWNER:**

City of Stevenson  
C/O Leana Johnson, City Administrator  
PO Box 371  
Stevenson, WA 98648

represented by HFI Consultants, PO Box 1929, Battle Ground, WA 98604 hereafter called HFI

**AND:**

**LOGGER:**

Levanen Inc.  
PO Box 1656  
Battle Ground, WA 98604

**DATE:** June 15, 2018

**GENERAL DESCRIPTION OF THE CONTRACT**

This contract is to provide for the clear cut harvest of merchantable conifer and hardwood timber on LANDOWNERs property within the timber harvest area as shown on the forest practices map and the aerial photo and designated on the ground by HFI. Harvest is defined as cut, yard, load and deliver merchantable timber to log buyers as determined by HFI and including piling the logging slash on the landings in burnable piles as directed by HFI. A trip ticket provided by HFI and will be attached to the load with 1 copy delivered to the log buyers.

**CONTRACT AREA:**

LANDOWNER's property located West of Stevenson Washington off Red Bluff Road. This property is also known as Skamania County parcel number 03070000480000 and shown on the map attached as Exhibit B.

## **PAYMENT**

Attached as Exhibit A. The prices stated on the attached exhibit A includes all costs of move in and out, cutting, yarding, processing, sorting to HFI specifications, loading and trucking to specified destinations, and piling or scattering the slash as directed by HFI.

For all logging and hauling work, all payments will be made to the LOGGER within 30 days of receipt of payment for the logs from the log buyer to the City of Stevenson. The LANDOWNER is not obligated to pay more to the LOGGER for the logging and hauling that is received from the log buyer payment for those logs.

HFI may request that the LOGGER deliver logs to log purchaser destinations that are different than those listed in Exhibit A. If HFI requests that the LOGGER delivers logs to a destination that is a farther distance than those listed in Exhibit A, then the LOGGER will be paid by the LANDOWNER for any extra hauling expenses that may be incurred by the LOGGER to deliver logs to the farther destination. The extra hauling expense shall be for just that distance to a destination that is beyond the nearest destination to it, as listed under Exhibit A. Such extra hauling expense will be based on a rate of \$90 per hour all types of log trucks traveling the fastest route at the posted speed limit for the entire distance to and from the different destinations beyond the nearest listed destination in Exhibit A. Such extra hauling expense rates will be calculated by HFI.

## **LOG PURCHASE AGREEMENTS AND PAYMENTS**

HFI will obtain all purchase orders from Log Buyers on behalf of the City of Stevenson. All logs removed from the site must be sent under HFI's purchase orders. One hundred percent of the log funds will be sent by the log purchasers directly to City of Stevenson. The City of Stevenson will distribute payment to the LOGGER per this agreement upon approval by HFI. The City of Stevenson will withhold 10% of each payment as a performance guarantee. Final payment of the performance guarantee will be made to the LOGGER following inspection by HFI and satisfactory completion of the contract.

## **HARVEST TAX**

The Washington State harvest tax will be paid by the Log Purchasers.

## **TIMBER HARVEST**

The timber harvest area is marked with pink flagging and existing survey markers and blazes. All merchantable trees within the harvest boundary will be cut except those trees marked with Orange Flagging. All trees so marked shall be preserved without damage to the extent possible. The harvested trees shall be cut to the specifications provided by HFI and delivered to the destinations specified by HFI.

## **ROAD CONSTRUCTION**

No additional road construction is planned. Any additional construction of short spurs may be permitted at the sole expense of the LOGGER and at the direction of HFI.

## **ROAD MAINTENANCE**

While hauling logs, the LOGGER will maintain the LANDOWNERS roads at his expense in a condition that will meet or exceed DNR Forest Practices Standards for road maintenance during log hauling. In any case, no delivery of mud or sediment to flowing surface waters may occur during the period the LOGGER

is working on the site. The LOGGER will be diligent and careful in avoiding damage to the roads by not hauling during periods of inclement weather conditions such as extremely wet weather or following a freeze/ thaw cycle. In the opinion of HFI, during the course of hauling, if additional road rock is needed to maintain or repair the road due to inadequate existing road base, then the LANDOWNER will supply the rock at his expense and the LOGGER will spread the rock at his expense. If in the opinion of HFI, additional road rock is needed to maintain or repair the road caused by the carelessness of the LOGGER in hauling during inclement weather conditions, then the LOGGER will supply and spread the rock at his expense and under the direction and supervision of HFI.

### **SITE PREPARATION**

All logging debris within the harvest unit will be piled, windrowed, or scattered to facilitate planting of 400 trees per acre, and all landing slash will be piled in burnable piles at the expense of the LOGGER and at the direction of HFI.

### **COMPLIANCE WITH ALL LAWS**

The LOGGER will comply with statutes, regulations and laws which apply to this contract, including, but not limited to, applicable Forest Practice, Fire Regulations, and export restricted wood sales.

### **FOREST PRACTICE APPLICATION**

The Forest Practice Application number is **2935035** and is attached as Exhibit C.

### **REPAIR DAMAGES**

The LOGGER agrees to repair any damage caused by his operation to ditches, culverts, fences, or any other improvements or structures that are damaged beyond ordinary wear and tear by the LOGGER. Underground improvements will be marked by the LANDOWNER to prevent accidental damage.

### **LIABILITY INSURANCE**

The LOGGER shall obtain and keep in force, while conducting operations under this contract, liability insurance of not less than \$2,000,000.00. A certificate of insurance naming the City of Stevenson as additionally insured shall be sent to the LANDOWNER at the request of HFI.

### **HOLD HARMLESS**

The LOGGER agrees to indemnify and hold harmless the LANDOWNER from any and all damages, claims or demands upon the part of third parties on account of any action by the LOGGER, his subcontractors, or employees, under this contract.

### **OWNERSHIP OF LAND AND TIMBER**

By signing this agreement, the LANDOWNER confirms that the LANDOWNER owns the timber described above and has the right to harvest the timber. The property line locations and markings are the responsibility of the LANDOWNER and will be marked by the LANDOWNER prior to harvesting.

**FIRE**

The LOGGER agrees to conduct all operation, including maintenance and operation of equipment, in a manner to minimize the risk of fire. The LOGGER shall abide by all fire regulations as established by the Washington State DNR.

**OTHER**

Care will be taken to avoid tracking mud out onto the county road with log trucks, equipment or pickups. If mud is tracked on the road, the LOGGER will clean up the mud as soon as possible at no expense to the LANDOWNER. LOGGER will be responsible for notifying the PUD regarding overhead powerlines and working with PUD to assure no unscheduled outages occur. The LOGGER will be diligent and careful in avoiding fuel or oil spills, will promptly clean up such spills per Dept. of Ecology specifications and report all such spills to the LANDOWNER

**TERM**

The termination date of this contract shall be to October 31, 2018 unless mutually agreed upon by all parties.

**SIGNATURES**

**LANDOWNER**

City of Stevenson \_\_\_\_\_ Date \_\_\_\_\_

**LOGGER**

Levanen Inc. \_\_\_\_\_ Date \_\_\_\_\_

EXHIBIT A



Rural Lands, Farms and Forests  
City of Stevenson

Approximately 620 MBF on 15 acres, to be logged summer of 2018 unless markets become unfavorable. All work to be completed prior to September 30<sup>th</sup>.

This is an export restricted sale. All logs will be branded and marked with red paint.

Bid price must include:

All costs of move-in and out, cutting, yarding, processing, sorting to HFI specs, loading and trucking, construction and abandonment of temporary roads. Logging debris will be piled or windrowed suitable for planting.

Bid price per MBF \$ 134.00 5"+ sawlogs delivered to WKO, Carson

Bid price per MBF \$ 195.00 5"+ sawlogs delivered to Longview WA destinations

Bid price per MBF \$ 202.00 5"+ sawlogs delivered to Molalla OR destinations

Bid price per MBF \$ 188.00 5"+ sawlog delivered to Kalama WA

Bid price per MBF \$ 157.82 12"+ sawlogs delivered to Columbia Vista

Bid price per MBF \$ 229.00 Hardwood Sawlogs delivered to Chehalis

Bid price per ton \$ 23.86 pulp logs delivered to High Cascade, Carson

Bid price per MBF \$150.00 5"+ sawlog delivered to SDS (Per Text from Dale Levanen)

If destinations vary from those listed above, rates will be renegotiated to account for a longer or shorter haul.

Any rock needed on the temporary roads is the sole responsibility of the logger. If rock is required for maintenance of the existing roads the landowner will provide the rock and the logger will spread.

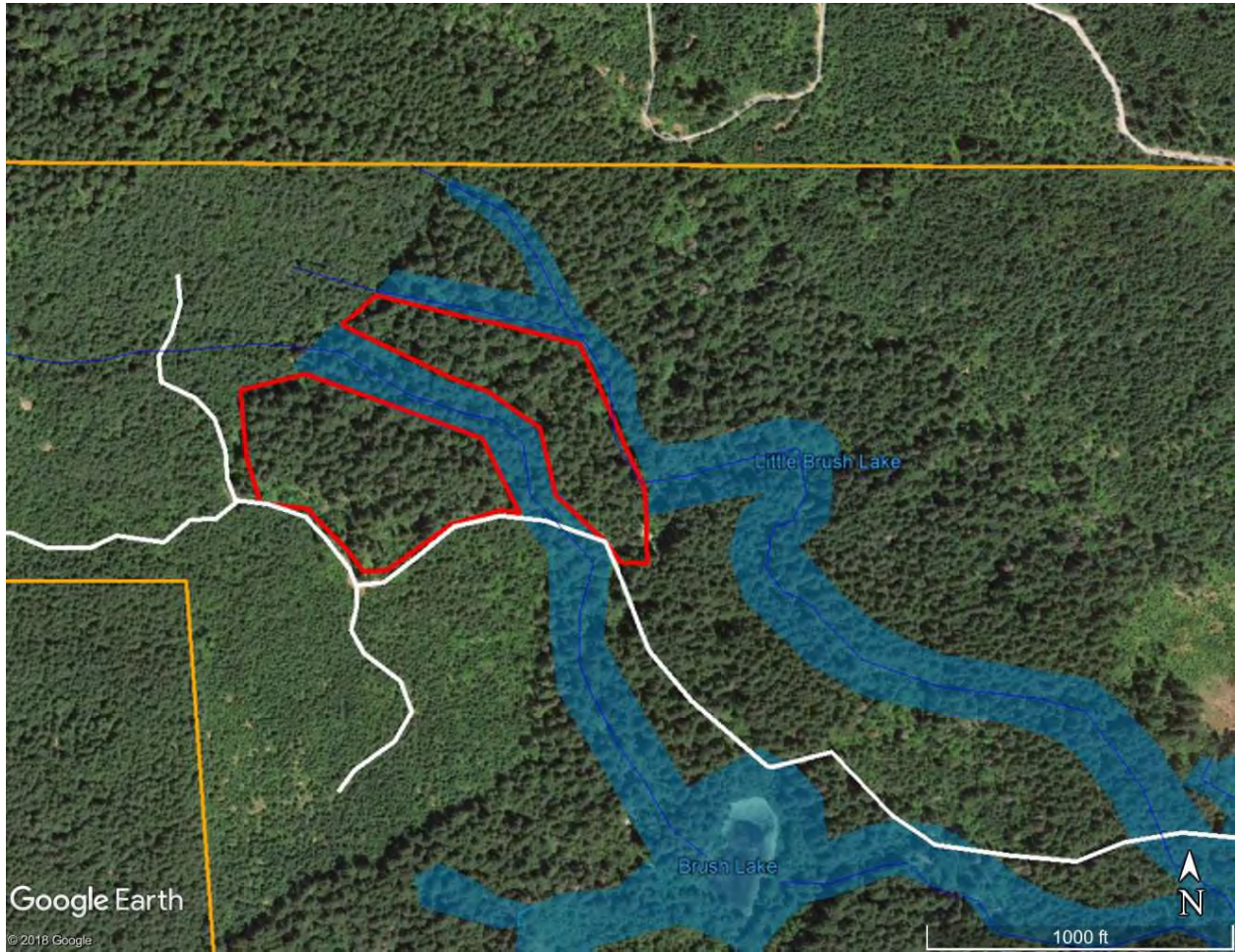
HFI will market the wood, collect the funds and distribute the proceeds per the contract prices within 1 week of the receipt of funds from the mill.

Signed Dale Levanen Company Levanen Inc Date 6/07/2018

All Bids are due at HFI's office by June 7, 2018 at 5pm. Bids may be faxed to 360-723-5522 or emailed to [travis@hficonsultants.com](mailto:travis@hficonsultants.com) or sent to HFI Consultants, PO Box 1929 Battle Ground, WA 98604. HFI reserves the right to reject any or all bids.

Please call Travis at 360-798-4633 with any questions.

EXHIBIT B







For DNR Region Office Use Only	
FPA/N #:	
Region:	
Received Date:	

## Forest Practices Application/Notification Western Washington

**PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS APPLICATION. TYPE OR PRINT IN INK.**

### 1. Landowner, Timber Owner and Operator

Legal Name of LANDOWNER City of Stevenson, Leana Johnson	Legal Name of TIMBER OWNER (if different than Landowner)	Legal Name of OPERATOR (if different than Landowner)
Mailing Address: PO Box 371	Mailing Address:	Mailing Address:
City, State, Zip Stevenson, WA 98648	City, State, Zip	City, State, Zip
Phone (509) 427-5970	Phone ( )	Phone ( )
Email:	Email:	Email:

### 2. Contact Person

Contact Person: Travis Anderberg (HFI Consultants)	Phone (360) 723-5523 Email: travis@hficonsultants.com
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### 3. Landownership information: See instructions

a.  No  Yes Are you a small forest landowner per RCW 76.09.450?

If yes, continue to b.

b.  No  Yes Is your entire proposed harvest area on a single contiguous ownership consisting of one or more parcel?

### 4. If you are harvesting timber, enter the Forest Tax Reporting Account Number of the Timber Owner:

88-888-8888

*For tax reporting information or to receive a tax number, call the Department of Revenue at 1-800-548-8829.*

### 5. Are you substituting prescriptions from an approved state or federal conservation agreement or watershed analysis?

No  Yes Write 'HCP' or 'Using Prescriptions' in tables that apply. Attach or reference prescriptions and/or crosswalks on file at the Region office.

**6. What is the legal description of your forest practices?**

Section	Township	Range	E/W	Tax Parcel Number	County
34	3	7	E	03070000480000	Skamania

7. When are you planning to begin work on the proposed activity? summer 2018

8. Is the taxpayer eligible for the EARR Tax Credit?

No  Yes

9. Have you reviewed this forest practices activity area to determine whether it may involve historic sites and/or Native American cultural resources? Read the instructions before answering this question.

No  Yes

10. Do you have a DNR approved Road Maintenance and Abandonment Plan (RMAP)?

a.  No  Yes List the RMAP number: R2900728

If no, continue to b.

b.  No  Yes Is a Checklist RMAP required (see instructions)?

11. Are there potentially unstable slopes or landforms in the area of your forest practices activity?

No  Yes – attach Slope Stability Informational Form. If applicable, attach geotechnical report, the SEPA Environmental Checklist, HCP, or Watershed Analysis prescriptions.

12. Are there potentially unstable slopes or landforms around the area of your forest practices activity?

No  Yes – attach Slope Stability Informational Form. If applicable, attach geotechnical report, HCP, or Watershed Analysis prescriptions.

13. Is this forest practice application/notification (answer every question):

a.  No  Yes Within city limits or inside an urban growth area? If yes, see instructions for additional required documents.

b.  No  Yes For road work that is included in an approved Road Maintenance and Abandonment Plan (RMAP)?

c.  No  Yes Within a public park? If yes, include SEPA Environmental Checklist or SEPA Determination - except for harvest/salvage of less than 5,000 board feet within a developed public park.

d.  No  Yes Within 500 feet of a public park? Park name: \_\_\_\_\_

e.  No  Yes In an approved Conversion Option Harvest Plan (COHP) from the local government? If yes, include a copy. This only applies to proposals within urban growth areas.

f.  No  Yes Within 200' of the Ordinary High Water Mark (OHWM) or floodway of Type S water? If yes, check with the county or city to determine whether a substantial development permit is required under the local shorelines master plan.

g.  No  Yes A request for a multi-year permit? If yes, length requested:  4 years or  5 years. Not everyone qualifies for a multi-year permit. See instructions for details.



- h.  No  Yes An Alternate Plan? If yes, include a copy.
- i.  No  Yes Within 50 miles of saltwater and do you own more than 500 acres of forest land in Washington State? If yes, include Marbled Murrelet Form or attach/reference HCP prescriptions.
- j.  No  Yes In or directly adjacent to a potential Channel Migration Zone (CMZ)? If yes, include CMZ Assessment Form. Attach/reference applicable HCP and/or Watershed Analysis prescriptions.

\* \* \* \* \* **If not working in or over typed waters, skip to Question 18** \* \* \* \* \*

You are required to verify Type Np and Ns water types within 200 feet of your proposed forest practices activities prior to submitting a Forest Practices Application / Notification. Use the Additional Information section, additional pages, the Water Type Classification Worksheet, and/or a Water Type Modification form to explain how you verified water types. See Water Typing Requirements in the instructions.

**Prior to answering Questions 14-17 in this section please refer to the Forest Practices Application Instructions and Forest Practices Board Manual Section 5.**

**14. Are you proposing any of the following projects NOT permitted by current HPAs from WDFW?**

- a.  No  Yes Installing, replacing, or repairing a culvert at or below the bankfull width of Type S or F water(s) that exceeds a five percent gradient?
- b.  No  Yes Constructing, replacing, or repairing a bridge at or below the bankfull width of unconfined streams in Type S or F water(s)?
- c.  No  Yes Placing fill material within the 100-year flood level of unconfined streams in Type S or F water(s)?

**15. Have you consulted with DNR and/or WDFW about the proposed hydraulic project(s) in or over Type S or F water?**  No  Yes

**16. If installing, replacing, removing, or maintaining structures in or over any typed water, complete the table below. Type S and F waters require detailed plan information.** Provide plan details in Question 31 or attach plan to the FPA/N. Provide crossing locations and identifiers on your Activity Map. A detailed plan with profiles may also be required for more complex hydraulic projects in Type N Waters per WAC 222-24-042(2).

Crossing Identifier (letter and/or number)	Water Type (S, F, Np, Ns)	*Existing HPA Number (if applicable)	HPA Expiration Date (if applicable)	Planned Activity (install, replace, remove, temporary, structure maintenance)	Structure (culvert, bridge, ford**, punchon, arch, other)	Proposed Size (dimensions of structure)	Culvert Design Method (No-slope, Stream-sim, Hydraulic, Other) (F and S only)	Channel Bed Width (ft) (F and S only)	Stream Gradient (%) (F and S only)	RMAP Project (Y or N)	FFFP Project (Y or N)

\*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

\*\* Fords and equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see 'Background for the State's Incidental Take Permits for certain endangered and threatened fish species' following Question 24 of the FPA/N Instructions.

17. If conducting any of the following activities in or over typed water, complete the table below. Some activities will require identifiers on the Activity map and/or more information in Question 31. See instructions.

*Activity	Type S Water	Type F Water	Type Np Water	Type Ns Water
Equipment Crossing**				
Suspending Cables				
Cable Yarding				
LWD Placement/Removal				
Beaver Dam Removal				
Felling and Bucking				
Other (describe in Question 31)				

\*Existing HPAs issued by WDFW will be complied and enforced by WDFW until expiration. Plan details are not required for hydraulic projects permitted with an existing HPA (see instructions).

\*\* Fords and equipment crossings on Type S and F Waters may result in an unauthorized incidental take of certain endangered or threatened fish species. For more information, see 'Background for the State's Incidental Take Permits for certain endangered and threatened fish species' following Question 24 of the FPA/N Instructions.

18. If constructing or abandoning forest roads, complete the table below. Show the road locations and identifiers on the Activity Map. Include abandonment plans for temporary roads and abandonment projects.

Road Identifier (name, number)	Road Construction		Road Abandonment	
	Length (feet)	Steepest Side-slope (%)	Length (feet)	Abandonment Date

19. If depositing spoils and/or expanding or developing a rock pit for forestry use, complete the table below. Show locations and identifiers on the Activity Map.

Spoil Area Identifier (letter, number)	Amount of Spoils Deposited (cubic yards)	Rock Pit Identifier (name, number or letter)	Acres of New Rock Pit Developed	Acres of Existing Rock Pit Expanded

20. If operating in or within 200 feet of a wetland, complete the table below. Show the boundaries of each wetland, along with its identifier, and WMZ on the Activity Map. See instructions for information.

Wetland Identifier (number, letter)	Wetland Type (A, B, or Forested)	Planned Activities in Wetland	Planned Activities in Maximum Width WMZ	Total Wetland Area (acres)	How many acres will be drained?	How many acres will be filled?

\*\*\*\*\* **If not harvesting or salvaging timber, skip to Question 29** \*\*\*\*\*

21. If harvesting or salvaging timber, complete the table below. Show all harvest areas and unit numbers on the Activity Map. For even-aged harvest units, also show surrounding stand information on the Activity Map.

Unit Number	Harvest Type (Even-aged, Uneven-aged, Salvage, Right-of-Way)	Biomass Harvest (Y/N)	Harvest Method (Rubber Tired Skidder, Tracked Skidder, Dozer, Shovel, Full Suspension Cable, Lead-end Suspension Cable, Helicopter, Animal, Chipper-forwarder, Slash Bundler)	Acres to be Harvested	Volume to be Harvested (mbf)	Volume to be Harvested (biomass tonnage)	Volume to be Harvested (%)	Steepest Slope in Harvest Unit (%)
2	Even-aged	N	Shovel	15	650		100	25

22. Reforestation. Check the appropriate box(es).

- Planting. Tree Species: DF
- Natural. Include a Natural Regeneration Plan
- Not required because of one or more of the following:
- I am converting some or all of this land to non-forest land in the next 3 years or lands are exempted under WAC 222-34-050.
  - Individual dead, dying, down, or wind-thrown trees will be salvaged.
  - Trees are removed under a thinning program reasonably expected to maximize the long-term productivity of commercial timber.
  - I am leaving at least 100 vigorous, undamaged, and well-distributed saplings or merchantable trees per acre.
  - An average of 190 tree seedlings per acre are established on the harvest area and my harvest will not damage it.
  - Road right-of-way or rock pit development harvest only.

\*\*\*\* **If you own MORE than 80 forested acres in Washington, skip to Question 27** \*\*\*\*

23. Are you using the exempt 20-acre parcel riparian management zone (RMZ) rule on type S, F, or Np waters?

- No If no, continue to Question 27.
- Yes If yes, continue to Question 24. See instructions for qualifications and information.

24. Choose the answer below that best fits your situation. Show all RMZs on the Activity Map.

- a. ALL of the following apply to me and my land: (If no, answer b.)
- Between June 5, 2006 and today's date I have always owned less than 80 acres of forestland in Washington.
  - Between June 5, 2006 and today's date this parcel has always been 20 acres or less of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.
  - Between June 5, 2006 and today's date this parcel has always been owned by me or someone else that has owned less than 80 acres of forestland in Washington.

b. ONE OR MORE of the following apply to me and/or my land (check all that apply):

- I currently own more than 80 acres of forestland in Washington.
- Between June 5, 2006 and today's date I have owned more than 80 acres of forestland in Washington.
- Between June 5, 2006 and today's date this parcel has been a part of more than 20 acres of contiguous ownership. See RCW 76.09.020 for definition of 'contiguous'.
- Between June 5, 2006 and today's date this parcel has been owned by someone that has owned more than 80 forested acres in Washington.

If any of the statements in (b) above apply AND you use the 20-acre exempt RMZ rule, you are NOT authorized under the State's Incidental Take Permits (see explanation in FPA instructions under Questions 24).

**25. If harvesting within 115 feet of a Type S or F water on an exempt 20-acre parcel, complete the table below. Show RMZs and stream segment identifiers on the Activity Map.** If you are harvesting within 75 feet or within the maximum RMZ (whichever is less), stream shade must be assessed and met following harvest. Describe how stream shade was determined to be met, using the 'Stream Shade Assessment Worksheet' if necessary.

Stream Segment Identifier (letter)	Water Type (S, F)	Segment Length (feet)	Bankfull Width (feet)	Maximum RMZ Width (feet)	Are you harvesting within the maximum RMZ? (Y or N)

**26. Are you harvesting within 29 feet of a Type Np water on a 20-acre exempt parcel?**

- No Continue to Question 29.
- Yes See instructions and describe leave tree strategy in Question 31. Then continue to Question 29.

**27. If harvesting within 200 feet of any of Type S or F water, complete the table below. Include DFC for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on the Activity Map.** If you are harvesting within 75 feet or within the maximum RMZ (whichever is less), stream shade must be assessed and met following harvest. Describe how stream shade was determined to be met, using the 'Stream Shade Assessment Worksheet' if necessary.

Stream Segment Identifier (letter)	Water Type (S or F)	Site Class (I - V)	Stream Width (feet)	Is there a CMZ? (Y/N)	RMZ Harvest Code(s) (see instructions)	DFC Run Number	Total width of RMZ (feet)
A	F	III	12	N	A		101
B	F	III	14	N	A		101

**28. If harvesting within 50 feet of Type Np water, complete the table(s) below. Show RMZs and stream segment identifiers on the Activity Map.**

Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)

Stream Segment Identifier (letter)	Total Stream Length in Harvest Unit (feet)	Length of No-Harvest, 50-foot Buffers in Harvest Unit (feet)

**29. How are the following marked on the ground?** *(Flagging, paint, road, fence, etc.)*

Harvest Boundaries: Pink Flagging

Clumped Wildlife Reserve Trees/Green Recruitment Trees: In RMZ

Right-of-way limits/road centerlines: Blue flagging

Stream Crossing Work: Blue flagging

Riparian Management Zone Boundaries and Leave/Take Trees: Pink and Blue flagging

Channel Migration Zone: NA

Wetland Management Zone Boundaries and Leave/Take Trees: pink and blue flagging

**30. Are you converting the land to non-forestry use within 3 years of harvest?**

No  Yes If yes, include your SEPA Determination and/or SEPA checklist.

**31. Additional Information (attach additional pages if necessary):** For hydraulic projects in or over Type S, F, or complex N water(s) see instructions for required plan information.

**32. We acknowledge the following:**

- The information on this application/notification is true.
- We understand this proposed forest practice is subject to:
  - The Forest Practices Act and Rules AND
  - All other federal, state or local regulations.
- Compliance with the Forest Practices Act and Rules does not ensure compliance with the Endangered Species Act or other federal, state or local laws.
- If we said that we would not convert the land to non-forestry use, the county or city may deny development permits on this parcel for the next 6 years.
- The following may result in an unauthorized incidental take of certain endangered or threatened fish species:
  - Conversion of land to non-forestry use.
  - Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  - Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
  - If you find or suspect you have found an archaeological object or Native American cairn, grave, or glyptic record, immediately cease disturbance activity, protect the area and promptly contact the Department of Archaeology and Historic Preservation at 360 586-3077.
  - If you find or suspect you have found human skeletal remains, immediately cease disturbance activity, protect the area, and contact the County Coroner or Medical Examiner and local law enforcement as soon as possible. Failure to report human remains is a misdemeanor.

The landowner understands that by signing and submitting this FPA, he/she is authorizing the Department of Natural Resources to enter the property in order to review the proposal, inspect harvest operations, and monitor compliance for up to three years after its expiration date. RCW 76.09.150

Signature of LANDOWNER  Print Name:  Date:	Signature of TIMBER OWNER* (If different than landowner)  Print Name:  Date:	Signature of OPERATOR (If different than landowner)  Print Name:  Date:
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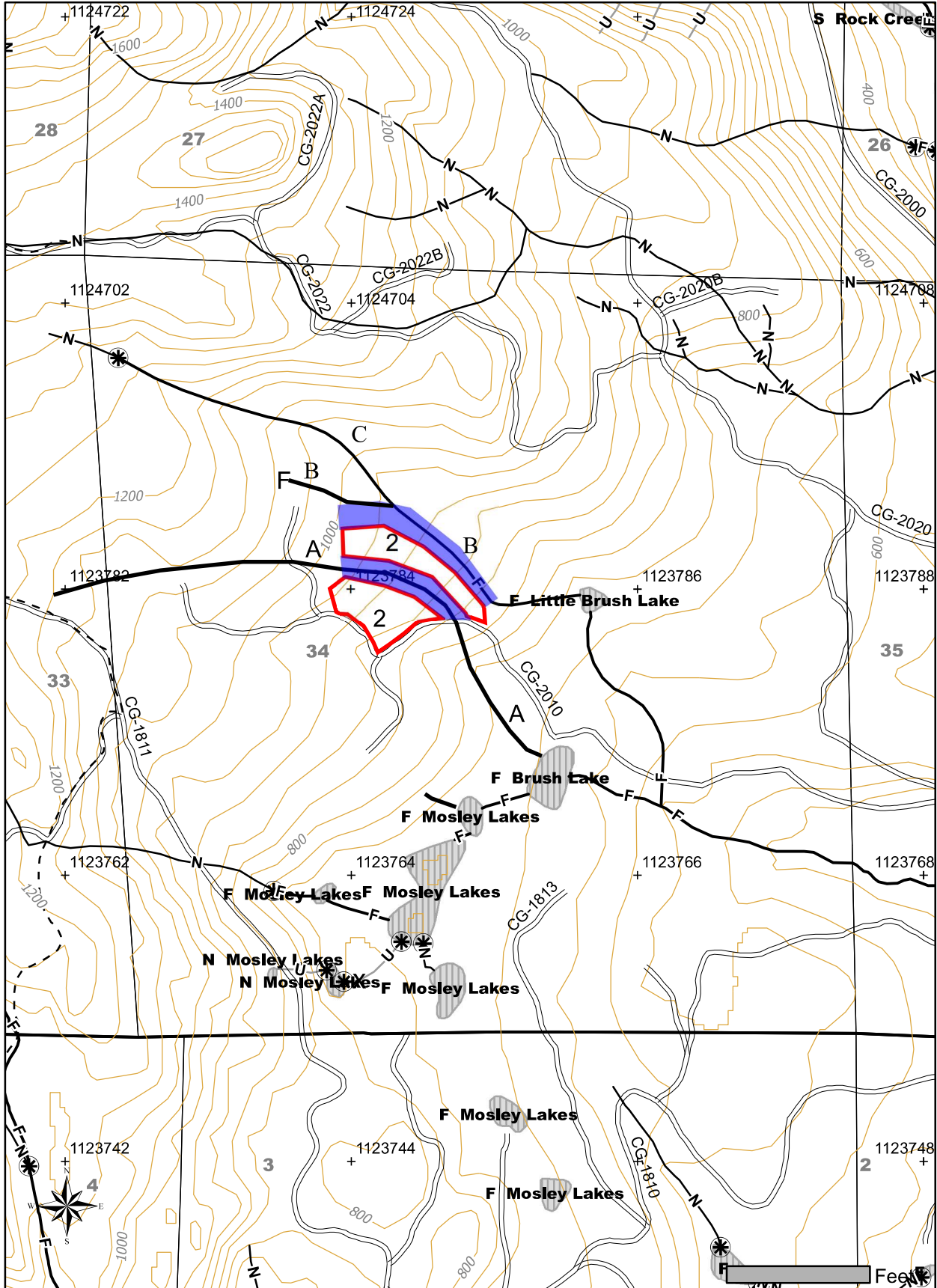
*\* NOTE: If you are a "Perpetual Timber Rights Owner," and are submitting this without the Landowner's Signature, provide written evidence the landowner has been notified.*

**Please make a copy of this FPA/N for your records. If this FPA/N contains a hydraulic project requiring WDFW concurrence review, it will not be available online for public review until after the WDFW concurrence review period.**

# FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 03 NORTH HALF 0, RANGE 07 EAST (W.M.) HALF 0, SECTION 34

Application #: \_\_\_\_\_



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

 Harvest units

 Stream

 RMZ

Date: 12/17/2015 Time: 2:30:56 PM  
NAD 83  
Contour Interval: 40 Feet



# Appendix A. Western Washington Water Type Classification Worksheet

Stream/Segment ID: A,B Stream/Segment ID: C Stream/Segment ID: \_\_\_\_\_

Date Observed: 5/2018 Date Observed: 5/2018 Date Observed: \_\_\_\_\_

**1. Do you have a protocol survey? (See the Board Manual Section 13) Or, does the stream have waiver characteristics? (See WAC 222-16-031(3) (b) (ii))**

- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> No. Continue.                                    | <input checked="" type="checkbox"/> No. Continue.                                    | <input type="checkbox"/> No. Continue.   |
| <input type="checkbox"/> Yes. Attach documentation or approved WTMF number:<br>_____ | <input type="checkbox"/> Yes. Attach documentation or approved WTMF number:<br>_____ | <input type="checkbox"/> Yes. Attach documentation or approved WTMF number:<br>_____ |
| <input type="checkbox"/> Fish found. Stop.   | <input type="checkbox"/> Fish found. Stop.   | <input type="checkbox"/> Fish found. Stop.   |
| <input type="checkbox"/> No fish found. Go to 6.                                     | <input type="checkbox"/> No fish found. Go to 6.                                     | <input type="checkbox"/> No fish found. Go to 6.                                     |

**2. Were fish observed or are fish known to use the stream any time of the year?**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. |
| <input checked="" type="checkbox"/> No. Continue. | <input checked="" type="checkbox"/> No. Continue. | <input type="checkbox"/> No. Continue.            |

**3. Is there an impoundment (ponded water) upstream of the assessed segment, that is greater than .5 acres?**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. |
| <input checked="" type="checkbox"/> No. Continue. | <input checked="" type="checkbox"/> No. Continue. | <input type="checkbox"/> No. Continue.            |

**4. Are there segments within or above the assessed portion of the stream where the average BFW is two feet or greater? AND the average stream gradient is less than or equal to 16%?**

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. |
| <input type="checkbox"/> No. Continue.                       | <input checked="" type="checkbox"/> No. Continue. | <input type="checkbox"/> No. Continue.            |

**5. Are there segments within or above the assessed portion of the stream where the average BFW is two feet or greater? AND the average stream gradient is between 16% and 20%? AND, the contributing basin to the stream is greater than 50 acres?**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. | <input type="checkbox"/> Yes. Type F water. Stop. |
| <input type="checkbox"/> No. Continue.            | <input checked="" type="checkbox"/> No. Continue. | <input type="checkbox"/> No. Continue.            |

**6. Does the stream segment contain water at all times during a normal rainfall year?**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Yes. Type Np water. Go to 9. | <input type="checkbox"/> Yes. Type Np water. Go to 9. | <input type="checkbox"/> Yes. Type Np water. Go to 9. |
| <input type="checkbox"/> No. Continue.                | <input checked="" type="checkbox"/> No. Continue.     | <input type="checkbox"/> No. Continue.                |

**7. Is the stream segment downstream of a perennial source of water?**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Yes. Type Np water. Go to 9. | <input type="checkbox"/> Yes. Type Np water. Go to 9. | <input type="checkbox"/> Yes. Type Np water. Go to 9. |
| <input type="checkbox"/> No. Continue.                | <input checked="" type="checkbox"/> No. Continue.     | <input type="checkbox"/> No. Continue.                |

**8. Is the stream physically connected by an above-ground channel to Type S, F, or Np water?**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Yes, Type Ns water. Stop. | <input checked="" type="checkbox"/> Yes, Type Ns water. Stop. | <input type="checkbox"/> Yes, Type Ns water. Stop. |
| <input type="checkbox"/> No, non-typed water.      | <input type="checkbox"/> No, non-typed water.                 | <input type="checkbox"/> No, non-typed water.      |

**9. Describe how you determined the uppermost point of perennial flow. Include a description of its location and show the point on a map (Use a separate piece of paper if necessary).**

Stream/Segment ID C Description:

Stream C is known to dry during summer months and is above natural fish blockages.

## Appendix D. Slope Stability Informational Form

Complete and attach this form to your FPA if you answered 'Yes' to FPA Question 11 or 12. Refer to WAC 222-16-050(1)(d) and Forest Practices Board Manual Section 16—*Guidelines for Evaluating Potentially Unstable Slopes* for definitions and descriptions of potentially unstable slopes or landforms.

1. What screening tools were used?  Aerial Photo,  LiDAR,  Landslide Inventory,  Landslide Hazard Zone Polygon,  GIS/Other (describe):

2. Were there any features identified using the screening tools in #1 that did not exist in the field? If yes, describe:

No

3. a. What potentially unstable slopes or landforms were identified in the area of your forest practices activity?

Check all that apply:

- Inner Gorge                       Groundwater recharge areas for glacial deep-seated landslides  
 Bedrock Hollow                       Convergent Headwall                       Toe of deep-seated landslide  
 Outer edges of meander bends  
 Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

b. What activities may occur in potentially unstable slopes or landforms? Check all that apply:

- Timber harvest                       Road construction                       Suspending cables                       Yarding                       Tailholds

4. a. What potentially unstable slopes or landforms were identified around the area of your forest practices activity?

Check all that apply:

- Inner Gorge                       Groundwater recharge areas for glacial deep-seated landslides  
 Bedrock Hollow                       Convergent Headwall                       Toe of deep-seated landslide  
 Outer edges of meander bends  
 Other (Deep-seated landslides or other features of potentially unstable slopes). Describe:

b. What activities may occur around potentially unstable slopes or landforms? Check all that apply:

- Timber harvest                       Road construction                       Suspending cables                       Yarding                       Tailholds

5. If any features identified in #3.a. and /or #4.a. were bounded out, describe the manner in which the boundary was determined:

All unstable slopes are located within the RMZ

6. Were areas of public use (which may include, but are not limited to: public roads, utilities, designated recreation areas, occupied structures, etc.) identified in or around the area of your proposed forest practices activity? Show these locations on the map in #8.

None

7. Date of field review: 4/2018

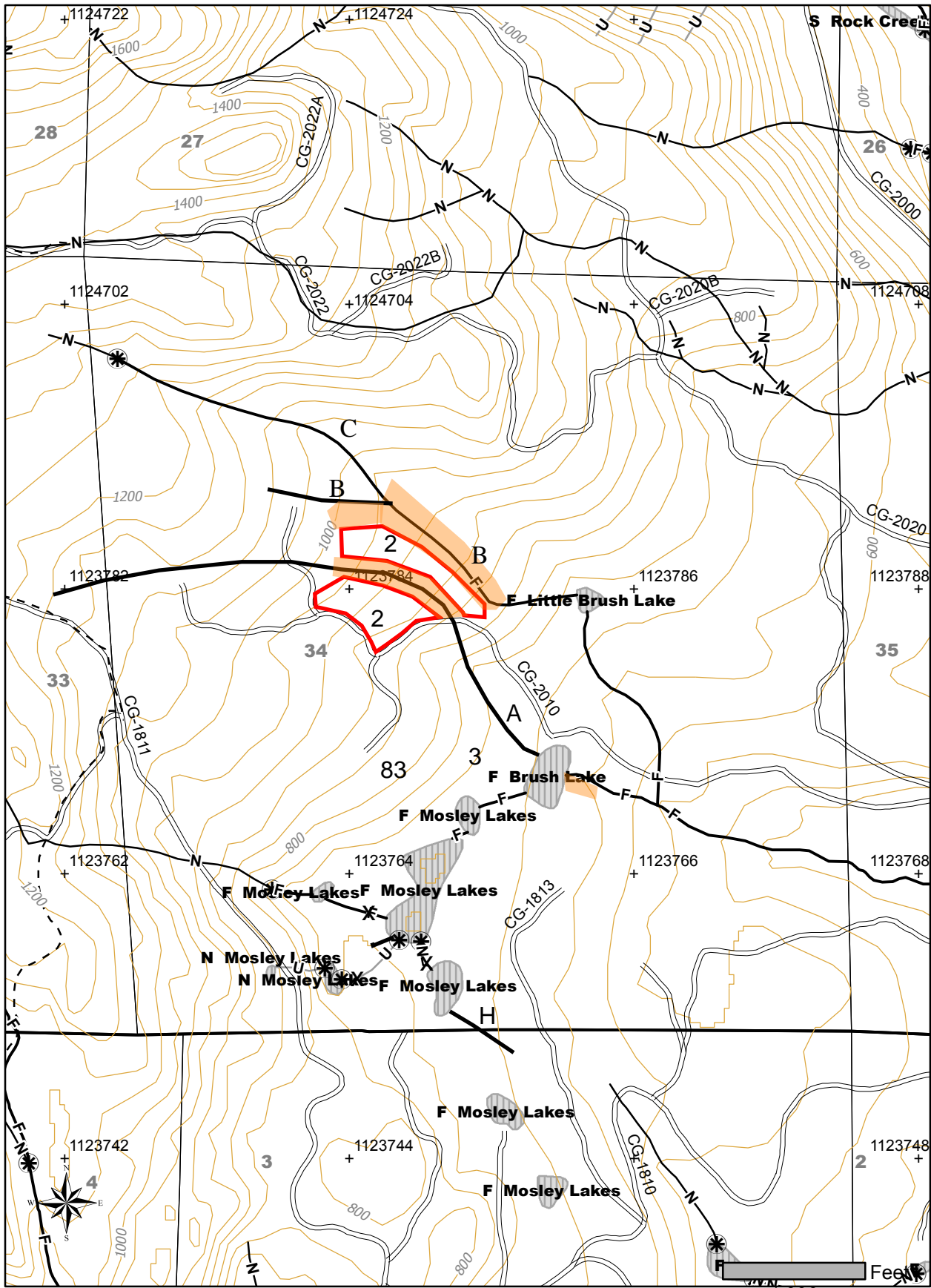
Person(s) that conducted field review:	<u>Travis Anderberg</u>	<u>Forester HFI Consultants</u>
	Name	Title/position
	<hr/>	
	Name	Title/position

8. Show all field reviewed areas for potentially unstable slopes or landforms on a map (may use a forest practices activity map, harvest map or GIS map – See example below). Show locations where areas of public use exist. **This map is intended to be developed by the field practitioner.**

# FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 03 NORTH HALF 0, RANGE 07 EAST (W.M.) HALF 0, SECTION 34

Application #: \_\_\_\_\_



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

- Reviewed areas
- Inner Gorge

Date: 12/17/2015 Time: 2:30:56 PM  
NAD 83  
Contour Interval: 40 Feet



## Alternate Plan for Western Washington Fixed Width Riparian Management Zones Template for Types S and F Waters, for Small Forest Landowners

*This fixed width Riparian Management Zone (RMZ) alternate plan template replaces the following Forest Practices Rules: Western Washington Riparian Management Zones for Type S and F waters: WAC 222-30-021(1)(b) and (c)*

### **This form must be submitted with a Forest Practices Application.**

For more detail about which forests are eligible for this alternative, and the information necessary for this form, please refer to Forest Practices Board Manual **Section 21**, or call your nearest DNR region office.

### 1. Eligibility

In order for a stand to be eligible for the Fixed Width RMZ Template, it must meet the following criteria:

- a) Landowner must be a Small Forest Landowner as defined in WAC 222-21-010 (13),
- b) Timber harvest is proposed in a riparian management zone adjacent to Type S or F water.

### 2. Implementation Schedule

List the seasons and the years during which harvest activities will take place as part of this alternate plan.

Schedule	Example	
Spring	2010, 2011	Spring
Summer	2010, 2011	Summer
Fall	2011	Fall
Winter	2010, 2011	Winter

### 3. Prescriptions

When harvesting trees adjacent to Type S or F water, a 'No Harvest Riparian Management Zone' must be left. The width begins at bank full width or outer edge of a channel migration zone and extends to the width determined by the site class. The following widths must be used when using this Fixed Width RMZ template:

Fixed Width, No Harvest Buffer Widths by Site Class	
Site Class	No Harvest Zone width (measured from outer edge of BFW or outer edge of CMZ)
I	145 feet
II	118 feet
III	101 feet
IV	82 feet
V	75 feet

Using the table above and a Site Class Map; please fill out the following table for your alternate plan. If the Site Class changes on a stream segment select one of the following:

- Use the widest width for the entire segment, OR
- Identify separate segments for each site class

Segment	Stream Type	Site Class	Fixed Width	Length

If the stand is located within 200 feet of Type S water, a landowner must contact the county, which will determine if a substantial development permit is required.

**Attach a map showing the location of each stream segment listed above.**

Map scale should be 1 inch = 400 feet.

**4. Riparian Functions associated with Type S and F waters**

The fixed width riparian buffer establishes a riparian area equal, on average, to the riparian buffer widths occurring when the Desired Future Condition Model is applied on S and F waters in Western Washington. Once adjacent timber is harvested, the growth of the trees will remain on the same trajectory to achieve the desired future condition targets for future riparian function required by the state Forest Practices Rules. The objective is to improve riparian function over the long-term while reducing the complexity of the Forest Practices Rules.

Riparian function includes the following:

**Bank Stability:** Retaining trees within a Fixed Width Riparian Management Zone provides the root mass necessary to stabilize a stream bank. Although roots can extend beyond the drip-line of a tree’s crown, the bulk of the root mass is contained within this area. Where a channel migration zone (CMZ) exists, the Fixed Width Riparian Management Zone begins at the edge of the CMZ.

**Woody Debris:** Periodic large woody debris input is vital to properly functioning riparian and aquatic systems. Harvest near a stream in the short term may reduce the potential source of woody debris. If no harvest occurs, the woody debris that falls into the stream is that immediately adjacent to the bank. A fixed width buffer leaves all trees available until random, natural recruitment begins.

**Leaf Litter / Nutrients:** Needles and leaf litter are an essential component of the nutrient cycle of a stream by serving as food sources for insects and fish. An edge effect will result from a fixed width buffer that may result in increased growth and diversity of understory vegetation, further improving nutrient cycling in the riparian area and duff development on the forest floor.

**Sediment Filtering:** Depending on the slope of the site, there may be a risk of overland runoff due to decreased interception of rainfall through a canopy. Management practices such as leaving ground vegetation undisturbed and distributing of slash will minimize the risk of sediment delivery until groundcover is reestablished.

**Shade:** The canopy will remain in the same condition as exist. Trees retained within the fixed width RMZ will continue to provide shade within a minimum of 75 feet from the stream.

**Other Riparian Features:** Microclimate features such as ambient air temperature may be affected, depending on the extent of upland management activities. Temporary soil temperature increases in the forest stands may result, which can affect groundwater and instream water temperatures. However, as understory vegetation fills in and as the adjacent canopy of the new stand recovers, temperature fluctuations will be reduced, resulting in a low likelihood of impact to groundwater or instream temperatures.