



**RECEIVED**  
MAR 05 2018

For DNR Region Office Use Only	
FPA/N #:	2706429
Region:	Southeast
Received Date:	3-1-2018

**Kittitas County CDS  
Forest Practices Application/Notification  
Eastern Washington**

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

**1. Landowner, Timber Owner, and Operator**

Legal Name of LANDOWNER Meave Ellsworth	Legal Name of TIMBER OWNER (if different than Landowner)	Legal Name of OPERATOR (if different than Landowner) American Forest Management, Inc.
Mailing Address: 3963 Dayton Ave N.	Mailing Address:	Mailing Address: 11415 NE 128th St., Suite 110
City, State, Zip Seattle, WA 98103	City, State, Zip	City, State, Zip Kirkland, WA 98034
Phone (206 )930-4906 Email: meave.ellsworth@gmail.com	Phone ( ) Email:	Phone (360 )580-5128 Email: eric.koenig@afmforest.com

**2. Contact Person**

Contact Person: Eric Koenig	Phone (360 )580-5128 Email: eric.koenig@afmforest.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:**

800 082 371

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.



**Forest Practices Application/Notification  
Office Checklist Page 1  
Southeast Region**

*(Complete)*

FPAN #: 2706429  
 Received Date: \_\_\_\_\_  
 WDFW Concurrence Due Date: \_\_\_\_\_  
 WDFW Concurrence Review Completed: \_\_\_\_\_  
 Comments Due Date: \_\_\_\_\_  
 Decision Due Date: \_\_\_\_\_  
 FP Forester: 3162 - Manney  
 Shutdown Zone: 680  
 RMAP #: N/A

FPAN CLASSIFICATION: [ ] II [ ] III <input checked="" type="checkbox"/> IV G [ ] IV S		Biomass [ ] FFFPP [ ] 20-acre exempt [ ]	
Landowner Name: <u>Meave Ellsworth</u>	Project Name: <u>Kachess Lake CT</u>		
WRIA: <u>39 - upper Yakima</u>	WAU: <u>Kachess</u>		
WRIA: _____	WAU: _____		
WRIA: _____	WAU: _____		
Legal Description: <u>S. 37 - T21 - R13 E</u>	County: <u>Kittitas</u>		
Activity Type: Harvest <u>15.6</u> ac	Spray _____ ac	Stream Crossing(s) _____	
Road _____	Road _____	Rock Pit _____ ac	
Construction <u>255</u> ft	Abandonment _____ ft	Spoils _____ cy	

**ALTERNATIVE PRESCRIPTIONS**

- Alternate Plan
- Ten-Year Forest Management Plan
- Columbia River Gorge National Scenic Area
- Watershed Analysis: \_\_\_\_\_
- Habitat Conservation Plan
- Landowner Option Plan for Northern Spotted Owl
- Cooperative Habitat Enhancement Agreement

**RESOURCE REVIEW**

- Unstable Slopes (Risk: Highway, Water, \_\_\_\_\_)
  - Soils Map (Highly Erodible & Very Unstable)
  - SLPSTAB MEDIUM
  - Landslide Hazard Zonation - LOW -> MED.
  - Landslide Inventory Polygon
- Rain-on-Snow and Outside Approved WA
- Hydric Soils
  - Wetland [ ] Forested, [ ] A, [ ] B
- In WMZ of [ ] A, or [ ] B Wetland
- In RMZ/ELZ of Type [ ] S, [ ] F, [ ] N water
- Water Verification
- Bull Trout Overlay
- HCP Bull Trout Population
- Bald Eagle nest or roost within 660 feet
- Group A or B Water Supply
- Hatchery (Name: \_\_\_\_\_)
- Even-Aged Harvest greater than 120 Acres
- Ground-based Equipment on Slopes greater than 40%
- Road Construction on Slopes greater than 65%
- Saltwater Islands (Name: \_\_\_\_\_)
- In or Over Typed Water
- Volume greater than 5 mbf per acre (unit 1)

**ASSOCIATED NON-SCANNED DOCUMENTS - On file with the FPA/N at the Region office.**

- SEPA Checklist/Documents

**ASSOCIATED SCANNED DOCUMENTS**

- Conversion Option Harvest Plan
- FPHP Plans & Specifications
- Qualified Expert Report; Type: \_\_\_\_\_
- Natural Regeneration Plan
- Shoreline Permit
- Marbled Murrelet Form
- FPBM Appendix(s) \_\_\_\_\_
- Small Landowner RMAP Checklist
- CMZ Assessment Form
- Hardwood Conversion Form
- Wetland Mitigation Plan
- Water Protocol Surveys
- Modification Form# SE-39-11-0029
- Water Classification Worksheet
- Shade Documentation (Stream Shade Assessment Worksheet)
- Watershed Analysis Worksheet
- DFC Printout
- Slope Stability Informational Form

EARR Tax Credit  Yes [ ] No

ADDITIONAL COMMENTS: Site Class 1 & 2

Form completed by JB  
October, 2016 Version

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

Section	Township	Range	E/W	Tax Parcel Number	County
27	21N	13	E	306835	Kittitas

7. When are you planning to being work on the proposed activity? Spring 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: \_\_\_\_\_

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**, punchoon, 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)	FFPPP 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
R1	145	5		
R2	110	5		

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
N/A				

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?
N/A						

\*\*\*\*\* **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 your 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 (salvage only) (%)	Estimated Number of Trees Per Acre Remaining after Harvest		Steepest Slope in Harvest Unit (%)
								Less than 10" dbh	Greater than or equal to 10" dbh	
1	Even	N	Skidder, Shovel	.6	16	N/A		0	0	5
2	Uneven	N	Skidder, Shovel	15	45	N/A		70	40	50

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

Planting. Tree Species: \_\_\_\_\_

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 150 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. Refer to 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 Question 24).

**25. If harvesting within 345 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 in Question 31 how stream shade was determined to be met or use the 'Stream Shade Assessment Worksheet' if necessary.

Stream Segment Identifier (letter)	Segment Length (feet)	Adjacent Harvest Type (partial cut or other)	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 130 feet of any of Type S or F water, complete the table below. Include stand information for all inner zone harvests unless you have an HCP prescription. Show RMZs, CMZs, and stream segment identifiers on your 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 in Question 31 how stream shade was determined to be met or use 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)
Kachess Lake	S	II	>15	N	B M		110
A	F	II	8	N	B M		110

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)	Selected Strategy (partial cut or clearcut)	Stream Segment Identifier (letter)	Selected Strategy (partial cut or clearcut)
N/A			

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

Harvest Boundaries: Pink "Timber Harvest Boundary" Flagging

Clumped Wildlife Reserve Trees/Green Recruitment Trees: N/A

Right-of-way limits/road centerlines: Orange/Black Striped Flagging

Stream Crossing Work: N/A

Riparian Management Zone Boundaries and Leave/Take Trees: Pink "Timber Harvest Boundary" Flagging

Channel Migration Zone: N/A

Wetland Management Zone Boundaries and Leave/Take Trees: N/A

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 S or F water(s) see instructions for required plan information.

The name for this harvest is "Kachess Lake CT".



See attached FPA Addendum for more information.



**32. We acknowledge the following:**

- The information on this application/notification is true.
- We understand this proposed forest practice is subject to:
  - o The Forest Practices Act and Rules AND
  - o 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:
  - o Conversion of land to non-forestry use.
  - o Harvesting within the maximum RMZ on a 20-acre exempt parcel that was acquired after June 5, 2006.
  - o Equipment Crossings/Fords in or over Type S and F Waters.
- Inadvertent Discovery – Chapters 27.44, 27.53, 68.50 and 68.60 RCW
  - o 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.
  - o 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: Meave Ellsworth Date: 12/18/2017	Signature of TIMBER OWNER* (If different than landowner) Print Name: Date:	Signature of OPERATOR (If different than landowner)  Print Name: Date: 12/18/17
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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.**

## FPA Addendum – Kachess Lake CT

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### #12. Adjacent unstable slopes

Potentially unstable slopes around the unit were field reviewed and bounded out using methods described in the attached Slope Stability Information Form.

### #13 (f). Ordinary High Water Mark

Commercial thinning will occur in the outer zone of the RMZ protecting Kachess Lake. This will fall within the 200' mark of the OHWM of Kachess Lake. Kittitas County has been notified of the intent to harvest within 200' of Kachess Lake, and paperwork has been filed to obtain a shoreline exemption permit. This allows harvesting of 30% of stems within a 10 year time frame, pursuant to RCW 90.58.150.

### #18. Constructing Forest Roads

R1 will be constructed to allow hauling of logs and processing of logs. It will be converted to a driveway to the home site after harvest. R2 will be constructed to remove harvest presence from the immediate vicinity of the Forest Service Road. It will be abandoned after harvest to reduce the potential for trespass on the property.

### #21. Harvesting timber

Unit 1 will be converted to non-forestry use within 3 years and be developed into a home site. The required SEPA checklist is attached in this FPA. Unit 1 will be clear-cut to facilitate building of a home site.

Unit 2 will be commercially thinned to ensure long-term forest health and to accelerate the timber towards usable Spotted Owl Habitat, described in the Landowner Option Plan (LOP), developed by the previous land owner. Retention goals will to create Young Forest Marginal-Closed Habitat, pursuant to objectives described in the (LOP).

### #22. Reforestation

The vast majority of this harvesting operation is aimed at increasing long-term productivity of commercial timber on the property and improving Northern Spotted Owl (NSO) habitat. These areas will not need to be reforested.

Unit 1 will be clear-cut, and will not be reforested after harvest. It will be converted to non-forest land within 3 years. This triggers a Class-4 General Permit Review, and the required SEPA checklist to allow this operation to be performed is attached.

### #27. Harvesting within 130' Type S/F water.

Pursuant to the LOP, no harvesting will occur within 110' of BFW of Stream "A" for the entire length of the stream within the harvest unit.

## FPA Addendum – Kachess Lake CT

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South of Stream A, no harvest will occur within 110' of the OHWM of Kachess Lake. North of Stream A in Unit 2, no harvest will occur in the core/inner zone of the RMZ, and thinning will happen within the 10' outer zone. While clearcutting of this area is permitted in the LOP, voluntary retention of mature timber within this NSO habitat will be implemented.

### #29. Markings on the ground

There is a plethora of flagging throughout the property, as it has been considered for many purposes in the past. Ignore all blue, orange, white and old Timber Harvest Flagging.

A portion of the unit north of the Forest Service mainline is marked with blue paint to indicate the prescription used for commercial thinning.

“Take” trees in Unit 1 within the OHWM will have an orange diagonal stripe on them.

### #30. Converting land to non-forestry use

SEPA checklist is attached.

### #31. Additional Information

The reference name for this activity is Kachess Lake CT.

An ICN with DNR and WDFW was conducted to discuss potential NSO issues, which is attached to this permit.

No harvest will be allowed until Timber, Fish and Wildlife (TFW) group is able to access the property and review the thinning prescription.

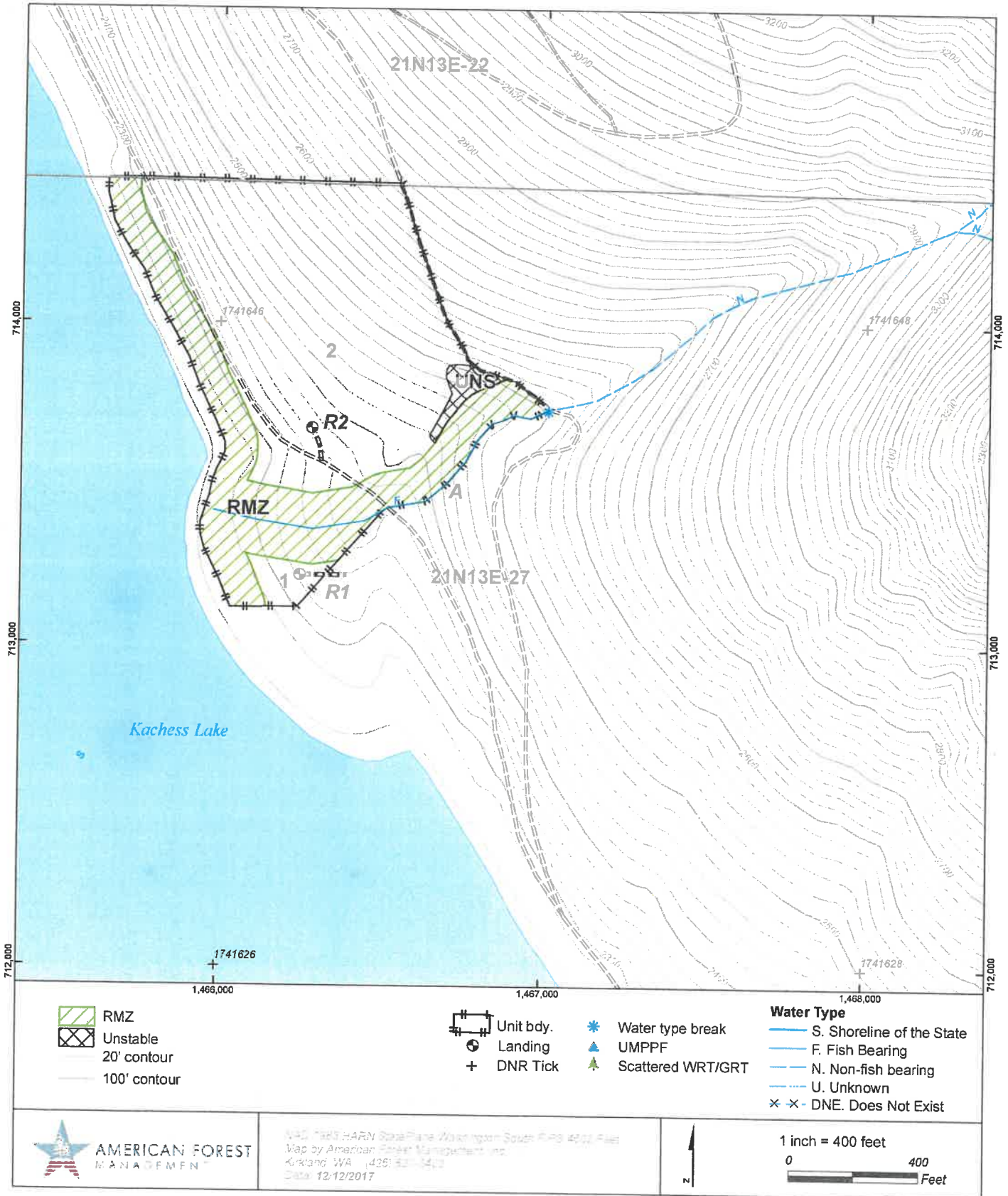
Pursuant to RCW 90.58.150, harvest is allowed within 200' of a Type S water body if a shoreline exemption permit is obtained through Kittitas County. No laws dictate in what manner trees ought to be retained. In order to maximize building area for the landowner after the harvest and to ensure compliance with state law, a 100% tree count will occur between WA Forest Practice Rules RMZ Buffer (100' in the this case) and the 200' OHWM. The number of trees allowed to harvest then will be calculated from this figure, and will be marked starting along the surveyed OHWM and working towards the lake in a typewriter-fashion until all trees legally available for harvest are accounted for. This will provide maximum resource protection to the shoreline of Kachess Lake and create maximum building area for the landowner once the harvest is completed while still staying in compliance with all applicable laws.

Notice: Any agency, person or persons desiring to conduct a field review of this FPA must contact American Forest Management, Inc. (AFM) for access and traffic information. Such access will be granted to those having a legitimate, specific interest in reviewing the FPA during a specific time frame. These precautions are necessary for the safety and protection of our tree farm visitors as well as the people who work on the tree farm. Thank you for your cooperation. AFM contact is Eric Koenig at 360-580-5128.

# ELLSWORTH FOREST PRACTICE ACTIVITY MAP

## TOWNSHIP 21 NORTH., RANGE 13 EAST, SECTION 27

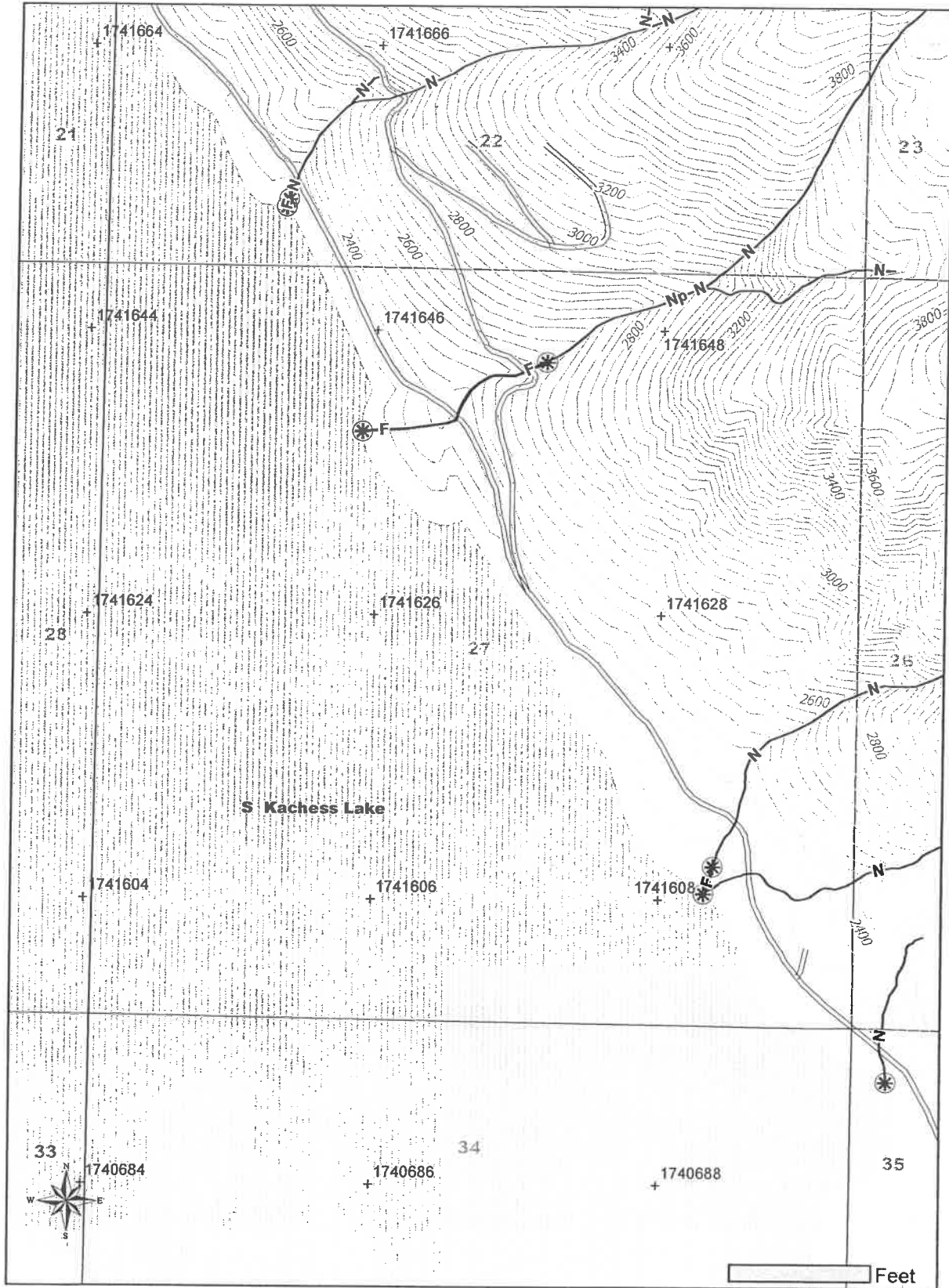
Application # \_\_\_\_\_



# FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 21 NORTH HALF 0, RANGE 13 EAST (W.M.) HALF 0, SECTION 27

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



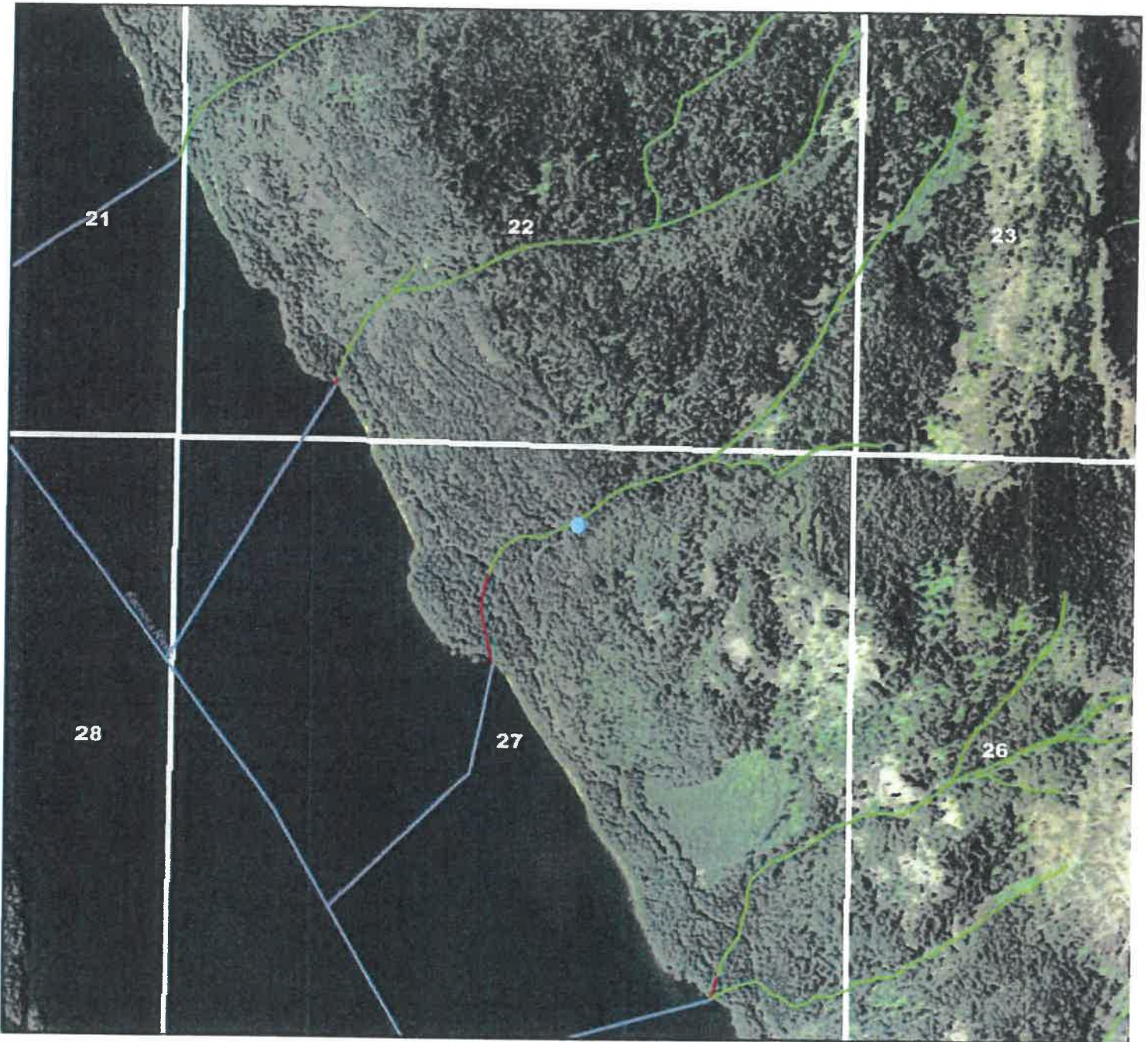
Please use the legend from the FPA instruction or provide a list of symbols used.

Date: 11/1/2017 Time: 10:30:12 AM  
NAD 83  
Contour Interval: 40 Feet

# 2009 Orthophoto

Section 27, Township 21 North, Range 13 East, W.M.

August 2011



## Appendix A, Eastern Washington Water Type Classification Worksheet

Stream/Segment ID: A      Stream/Segment ID: \_\_\_\_\_      Stream/Segment ID: \_\_\_\_\_  
 Date Observed: 10/31/2017      Date Observed: \_\_\_\_\_      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 type="checkbox"/> Yes. Attach documentation or approved WTMF number: <u>SE-39-11-0029</u> <input type="checkbox"/> Fish found. Stop. <input type="checkbox"/> No fish found. Go to 6.	<input type="checkbox"/> No. Continue. <input type="checkbox"/> Yes. Attach documentation or approved WTMF number: _____ <input type="checkbox"/> Fish found. Stop. <input type="checkbox"/> No fish found. Go to 6.	<input type="checkbox"/> No. Continue. <input type="checkbox"/> Yes. Attach documentation or approved WTMF number: _____ <input type="checkbox"/> Fish found. Stop. <input type="checkbox"/> No fish found. Go to 6.
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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"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.
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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"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.
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4. **Are there segments within or above the assessed portion of the stream where the average BFW is three feet or greater? AND the average stream gradient is less than or equal to 16%?**

<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.
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5. **Are there segments within or above the assessed portion of the stream where the average BFW is three feet or greater? AND the average stream gradient is between 16% and 20%? AND, the contributing basin to the stream is greater than 175 acres?**

<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type F water. Stop. <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"/> No. Continue.	<input type="checkbox"/> Yes. Type Np water. Go to 9. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type Np water. Go to 9. <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"/> No. Continue.	<input type="checkbox"/> Yes. Type Np water. Go to 9. <input type="checkbox"/> No. Continue.	<input type="checkbox"/> Yes. Type Np water. Go to 9. <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 type="checkbox"/> No, non-typed water.	<input type="checkbox"/> Yes, Type Ns water. Stop. <input type="checkbox"/> No, non-typed water.	<input type="checkbox"/> Yes, Type Ns water. Stop. <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 \_\_\_\_\_ Description: \_\_\_\_\_

## 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):

Field review

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

Inner gorge along stream "A"

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:

N/A

- 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:

Inner gorge flows into stream "A" after culvert upstream of harvest blew out. Slopes >70%

- 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:

Unstable features were either bounded out by required RMZs or additional flagging was hung one tree past the slope break of 70% in order to not perform any harvest within any potentially unstable features.

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.

Forest Service Rd# 4818 goes along the bottom of the potentially unstable feature.

7. Date of field review: 10/31/2017

Person(s) that conducted field review: Eric Koenig Forester  
Name Title/position

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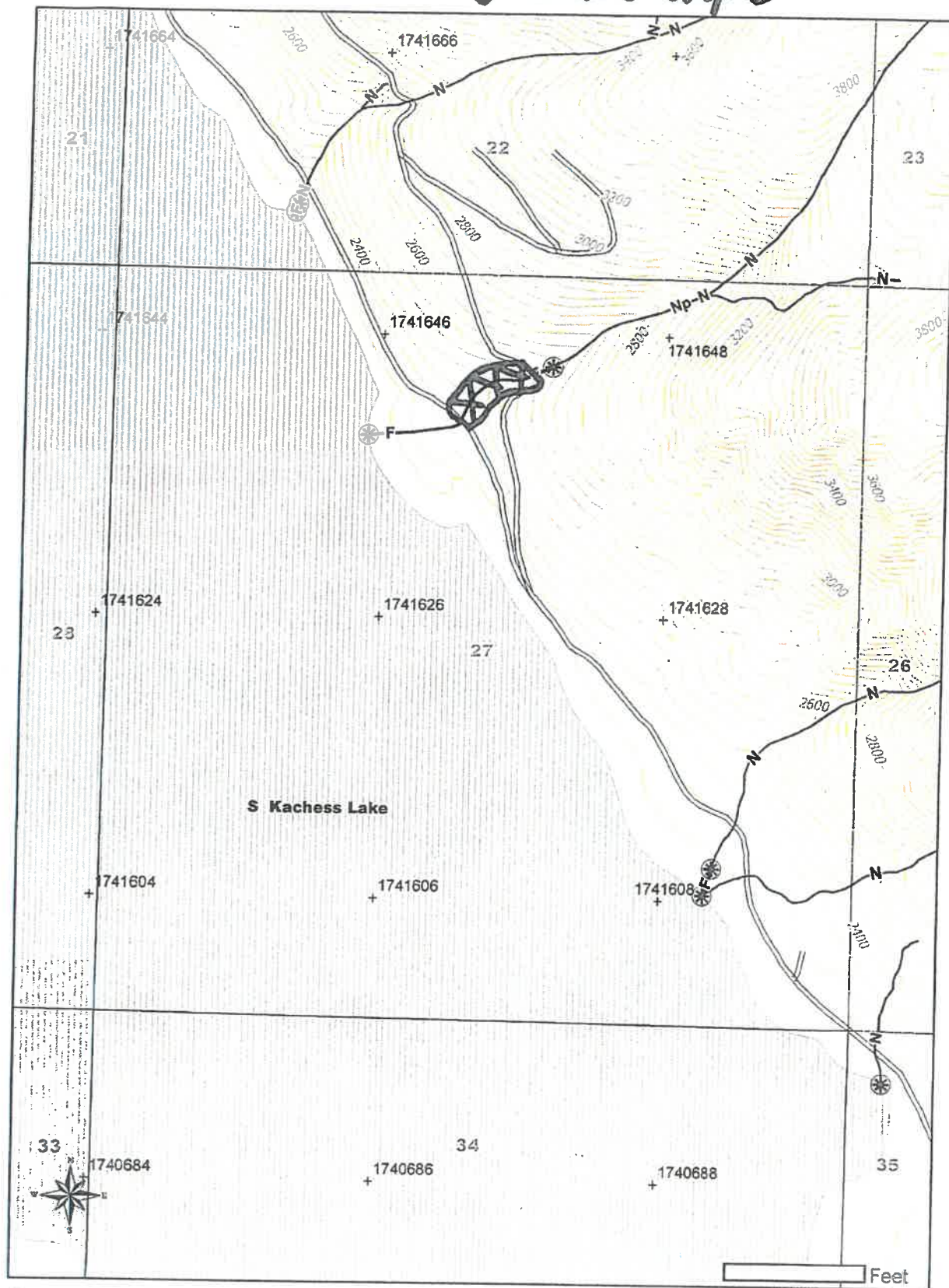
Name Title/position

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 21 NORTH HALF 0, RANGE 13 EAST (W.M.) HALF 0, SECTION 27

Application #: *Unstable Slopes*



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

 *Area reviewed for unstable slopes*

Date: 11/1/2017 Time: 10:30:12 AM  
NAD 83  
Contour Interval: 40 Feet