

# **State of Alaska**

**Department of Natural Resources  
Division of Forestry & Fire Protection**



**Fairbanks-Delta Area  
FOREST LAND USE PLAN  
Nenana Ridge Mixed Timber Sales  
NC-1583-F, NC-1844-F, NC-1982-F**

**November 2024**

## **Abbreviations**

ADEC	Alaska Department of Environmental Conservation
ADF&G	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
BIF	Best interest finding
CCF	100 cubic feet
DMLW	Division of Mining, Land and Water
DOF	Division of Forestry & Fire Protection
FLUP	Forest Land Use Plan
FRPA	Alaska Forest Resources and Practices Act
FYSTS	Five-Year Schedule of Timber Sales
MBF	Thousand board feet
OHA	Office of History and Archeology
ROW	Right-of-way
TVSF	Tanana Valley State Forest

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## I. Introduction

Project File Numbers: NC-1583-F, NC-1844-F, NC-1982-F

Division of Forestry & Fire Protection Office: Fairbanks-Delta Area Office  
Area Forester: Kevin Breitenbach  
Forest Practices Geographic Region (AS 41.17.950): Region III

This Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 128 acres of land in the Nenana Ridge Forest Road area. It is intended to provide the best available information regarding the proposed harvest of timber, and management of other non-timber uses in compliance with AS 38.05.112 and AS 41.17.060, and must be adopted by the DNR before the proposed activity can occur.

This Forest Land Use Plan is for timber sale(s) which have been determined to be in the best interest of the state pursuant to AS 38.05.035 (e) and AS 38.05.945; Final Best Interest Finding, Nenana Ridge Mixed Timber Sales (September 2024) available on DOF's public webpage: <http://forestry.alaska.gov/timber/fairbanks>. This FLUP does not determine whether or not to access and sell timber within the timber sale area, nor the method of sale. Those decisions have been made previously in the Best Interest Finding and are not appealable under this FLUP.

This Forest Land Use Plan is for timber sale(s) for which a Preliminary Best Interest Finding is currently out for review. A final best interest finding must be completed prior to adoption of a FLUP pursuant to AS 38.05.035 (e) and AS 38.05.945.

This Forest Land Use Plan is for timber to be harvested that does not require a final finding pursuant to AS 38.05.035 (e) and notification under AS 38.05.945.

This Forest Land Use Plan was made available for public comments; the review period ended on **4:30pm AKST on Wednesday, November 20, 2024**. After public and agency review of the draft FLUP, the DOF reviewed comments, made changes as appropriate (see Appendix C) and has adopted this FLUP. This Forest Land Use Plan has been adopted by the Department of Natural Resources. Site specific compliance with the Alaska Forest Resources and Practices Act and the Regulations, as well as the Final Finding for this proposed project are reflected in this Forest Land Use Plan and will be implemented in the Timber Sale Contract.

An eligible person affected by this decision, and who provided timely written comment or public hearing testimony to the department, may appeal the decision to the DNR Commissioner per AS 44.37.011 and 11 AAC 02. Comments on the specific requirements for harvest, access, and reforestation operations in the FLUP should be submitted in writing to **Kevin Breitenbach, Fairbanks Area Forester** on or before **Thursday, December 13<sup>th</sup>, 2024**. Address(es) for submitting written comments: **3700 Airport Way, Fairbanks AK 99709**, or email **kevin.breitenbach@alaska.gov**.

Other Documents are referenced in this FLUP. This timber sale is designed to be consistent with the management intent of the following documents:

Tanana Valley State Forest Management Plan
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The administrative record for this sale is maintained at the Division of Forestry & Fire Protection Fairbanks Office filed as Loop Birch #2 / NC-1583-F, Get Bent #3 / NC-1844-F, and Nenana Ridge 11 Mile Birch / NC-1982-F.

**A. Legal description**

NC-1583-F is within Section 8, Township 3 South, Range 5 West, Fairbanks Meridian.

NC-1844-F is within Sections 7 and 18, Township 3 South, Range 5 West, Fairbanks Meridian.

NC-1982-F is within Section 15, Township 3 South, Range 6 West, Fairbanks Meridian.

See also map in Appendix A.

**B. Operational Period**

Approximately 3 years from the “Effective Date” on the signed contract. Timber contracts administered by the Fairbanks-Delta office generally have a 3-year operational period terminating on May 31 of the third year.

**C. Timber Disposal**

- Timber will be sold and will have a contract administrated by the State.
- Timber will be available to the public; permits obtained by the public will be issued by the State.
- Other

**Objectives and Summary**

- |  |
|--|
| <ul style="list-style-type: none"><li>• Provide raw material for the forest industry to produce timber products that provide benefits to the state and local economy through employment opportunities.</li><li>• Harvest the commercial fuelwood before a significant decrease in vigor occurs and return the site to a young, productive mixed forest.</li><li>• Provide firewood for the residential heating needs of interior Alaska communities.</li><li>• Promote multiple use management that provides for the production, utilization, and replenishment of timber resources while perpetuating personal, commercial, and other beneficial non-timber uses of forest resources.</li></ul> |
|--|

**II. Affected Land Owners/Jurisdictions**

**A. State**

Activity on ownership:	Access Easement	Harvest	Written Representative Approval
<input checked="" type="checkbox"/> Tanana Valley State Forest	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other state land managed by DNR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> University of Alaska	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Mental Health Trust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> School Trust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**B. Other Land Ownership**

Land Owner: n/a

Land Owner Representative: n/a

**III. Harvest Methods, Silvicultural Actions, and Management of Non-timber Resources**

Forest operations will be designed to:

- Protect fish habitat and water quality in compliance with the best management practices in 11 AAC 95.260-.370,
- Manage for the other land uses and activities identified in AS 41.17.060 and the Best Interest Finding for this timber sale, and
- Ensure prompt reforestation and maintenance of site productivity in compliance with AS 41.17.060(c) and 11 AAC 95 .375-.390.

Harvest and Silvicultural Methods:

- The silvicultural actions are described in this document, and no prescription was written or is necessary.
- A silvicultural prescription has been written and is attached to this document in Appendix B.

**A. Timber Stand Description and History**

NC-1583-F and NC-1982-F are mature birch stands that sit on gentle north-facing slopes. Understory in these stands is a mix of wild rose, equisetum and Calamagrostis, with little moss to be found due to the dense duff layer of broadleaves.

NC-1583-F: Roughly 40% coverage of Calamagrostis. Birch stand age at breast-height is roughly 100 years and average diameter at breast-height (DBH) is roughly 9-11 inches, with the largest observed tree being 15 inches DBH.

NC-1982-F: Roughly 25% coverage of Calamagrostis. Birch stand age at breast-height is roughly 100 years and average DBH is roughly 9-11 inches, with the largest observed tree being 16 inches DBH.

NC-1844-F is a mature mixed stand of white spruce and birch characterized by hogback and swale topography. The well-drained hogbacks hold the majority of the spruce component, while the lower swales hold the birch component. Hogbacks hold equisetum and thin, scattered pockets of moss underneath the closed spruce canopy, while alder and Calamagrostis dominate the understory of the swales.

NC-1844-F: Roughly 30% coverage of Calamagrostis. Stand age at breast-height is roughly 90 years. Average DBH of spruce is roughly 14-16 inches, with the largest observed tree being 28 inches DBH. Average DBH of birch is roughly 9-11 inches, with the largest observed tree being 16 inches DBH.

NC-1583-F, NC-1844-F and NC-1982-F are enveloped by adjacent mature forest which will provide a viable seed source for the exterior portions of the harvest areas.

NC-1583-F and NC-1844-F contain reserve islands that will provide a viable seed source for the interior portions of the harvest areas.

**B. Timber Harvest Activities**

Timber Harvest Activities are displayed in Table 1.

**Table 1. Timber Harvest Activities**

Unit ID	Acres	Topography	Silvicultural Action	Logging Method
NC-1583-F	53	Up to 20% slope	Clearcut with reserves	Ground-based, whole tree harvest
NC-1844-F	53	Up to 20% slope	Clearcut with reserves	Ground-based, whole tree harvest
NC-1982-F	21	Up to 20% slope	Clearcut with reserves	Ground-based, whole tree harvest



**C. Site Preparation**

Natural regeneration will be utilized initially for reforestation. These sales have been laid out so that areas adjacent to and/or within the boundaries include mature, robust spruce and birch trees to provide seed to harvest units. Mechanical ground scarification will be used on portions of the harvest area where feasible and necessary (generally <20% slope).

- Site preparation will not be necessary. There is either sufficient residual stocking, or because there has been sufficient soil disturbance by logging to forego scarification.
- Site preparation will be implemented and described in Table 2:

**Table 2. Site Preparation**

Unit ID	Acres	Site Preparation Method	Date of Completion
NC-1583-F	50	Mechanical patch scarification	Completed annually following the previous season's harvest
NC-1844-F	44	Mechanical patch scarification	Completed annually following the previous season's harvest
NC-1982-F	19	Mechanical patch scarification	Completed annually following the previous season's harvest

Mechanical site preparation should avoid driving heavy equipment over known den sites greater than 12" in diameter (e.g., dens for fox, wolves, and bears).

**D. Slash Abatement**

- Potential for insect infestations caused by slash accumulations exists. Slash abatement for controlling infestations will be implemented as required by 11 AAC 95.370.
- Lop and scatter slash; accumulations will be kept to less than 2 feet in height.
- Slash will be disposed of by the operator  Slash will be disposed of by the State
- Other - method of slash disposal:  removal off site  crushing or grinding  burning
- Burn permits necessary from DOF and DEC to be acquired.
- The operator will contact the DOF local area office prior to ignition of debris.

**E. Soil Stability / Erosion / Mass Wasting**

- Maximum percent side slopes are ≤50%
- Maximum percent side slopes are >50%

Percentage of sale area with slopes >50%: 0%

Maximum percent slopes: 25%

- There are no indicators of unstable areas.

- Indicators of unstable areas were identified and will be mitigated by actions indicated below.

**F. Timber Harvest—Surface Water Protection**

- There are no streams or lakes abutting or within a harvest unit.
- Known surface waters and protection measures are described in Table 3 below. *Locations are included in the operational map in the Appendices.*

**Table 3. Protection for Known Surface Waters**

Unit	Waterbody Name	AS 41.17.950 Classification	ADF&G AWC #	Required Riparian Protection	Site-specific actions to minimize impacts on riparian area
	NONE				

Surface waters listed above were reviewed by the Department of Fish and Game:

- During the timber sale planning process
- During the agency review conducted for the Best Interest Finding for this sale
- During the drafting of this Forest Land Use Plan
- Stream Crossings (Title 16) Permits are needed per ADF&G Division of Habitat

Surface waters listed above were reviewed by the Department of Environmental Conservation:

- During the timber sale planning process
- During the agency review conducted for the Best Interest Finding for this sale
- During the drafting of this Forest Land Use Plan

Non-classified surface waters are subject to applicable BMPs in 11 AAC 95.

Notes:
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**G. Wildlife Habitat**

- Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the Best Interest Finding review.
- Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the drafting of this Forest Land Use Plan.

Silvicultural practices to be applied to minimize impacts to wildlife habitat or wildlife management:

- Timber retention - concentrations of timber surrounding harvest units, or interspersed within harvest units to provide cover.
- Snag Retention- snags or isolated trees left for cavity nesting species.
- Large Woody Debris – concentrations of downed timber or logging debris interspersed within

harvest units to provide cover left on site.

Other actions

Notes:
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**H. Cultural and Historical Resource Protection**

- This project was reviewed by the State Historic and Preservation Office (SHPO).
- No artifacts have been reported within the project area(s).
- Known or likely sites have been identified and a mitigation plan is in place. (Describe the mitigation actions.)

**I. Other Resources Affected by Timber Harvest and Management**

- There are other resources and areas of concern besides surface water, fish habitat, and wildlife habitat that may be affected. Mitigations actions were addressed in the Best Interest Finding.

**Table 4. Other Affected Resources / Areas of Concern**

Impacted Resource	Reviewing Agency	Impact/ Mitigation Actions
Scenic Viewshed	DNR/DOF	Reserve islands and irregularly shaped boundaries will somewhat obscure the harvest areas within the existing landscape.

- There are no affected resources or areas of concern other than surface water, fish habitat, and wildlife habitat, which are addressed in this Forest Land Use Plan.

Notes:
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**J. Reforestation**

The sale area will be reforested in compliance with the Forest Resources and Practices regulations (11 AAC 95.375-.390) Natural regeneration will be utilized initially for reforestation. The sale has been laid out so that areas adjacent to the boundary include mature, robust birch trees to provide seed to this unit, and root-collar sprouting is also anticipated. Mechanical ground scarification on flatter portions of the sale (<20% slopes) will be required to create suitable microsites for seedling establishment and slow the growth of grass competition. Harvest operations on steeper portions are expected to provide suitable seedbeds. Reforestation will be assessed within five years post-harvest, and a regeneration survey will be conducted if regeneration appears marginal or patchy. If the survey indicates inadequately stocked areas, then scarification may be performed on non-stocked areas. The goal for regeneration is to achieve a minimum of 450 evenly distributed trees per acre at the end of the regeneration survey period (any commercial tree species).

Harvest type as it relates to reforestation requirement:

- Clearcut
- Region I: Partial Harvest leaving more than 50% live basal area (11 AAC 95.375(b)(3))
- Region II or III: Partial Harvest relying on residual trees to result in a stocking level that meets standards of 11 AAC 95.375(b)(4).

Season of harvest:

- Winter harvest only
- Non-winter harvest only
- All-season harvest

Regeneration type:

- Natural regeneration

List species: Alaska birch, white spruce, quaking aspen

- Coppice

List species: Alaska birch

- Artificial regeneration
- Seeding: Species and source of seed (general vicinity location of seed source)

- \_\_\_\_\_
- Planting: Species: \_\_\_\_\_ Date of proposed planting: \_\_\_\_\_  
Source of seedlings (location of seed source): \_\_\_\_\_

See Appendix B for further reforestation details.

## IV. Roads and Crossing Structures

### A. Road Design, Construction, and Maintenance

Roads will be designed, constructed, and maintained to prevent significant adverse impacts on water quality and fish habitat (AS 41.17.060(b)(5)), and site productivity (AS 41.17.060(c)(5)). Roads will comply with the best management practices in the Forest Resources and Practices Regulations (11 AAC 95.285 – 95.335). Roads used for access will also be maintained for multiple users following all applicable guidelines in the Tanana Valley State Forest Management

Plan.

Roads or other means required for the access and removal of this timber from the harvest area(s) or unit(s) are listed in Table 5A and 5B.

**Table 5A. Road Reconstruction and Use**

Road ID	Segment	Harvest Unit	Miles	Road Class	Maximum Grade %*	Constructed By	Maintained By
Nenana Ridge Forest Road	1	NC-1583-F	3.5	Primary	8	DOF	Purchaser
Nen. Ridge 3-Mile Spur	2	NC-1583-F	2	Spur	10	DOF	Purchaser
Nenana Ridge Forest Road	1	NC-1844-F	6.5	Primary	8	DOF	Purchaser
Nen. Ridge 6.5-Mile Spur	2	NC-1844-F	0.25	Spur	10	DOF	Purchaser
Nenana Ridge Forest Road	1	NC-1982-F	8.7	Primary	8	DOF	Purchaser
Upper Grouse Road	2	NC-1982-F	1.5	Secondary	8	DOF	Purchaser
Upper Grouse 1.5-Mile Spur	3	NC-1982-F	0.6	Spur	15	DOF	Purchaser

**Table 5B. New Road Construction and Use**

Road ID	Segment	Harvest Unit	Miles	Road Class	Maximum Grade %	Constructed By	Maintained By
Loop Birch Access Spur	3	NC-1583-F	0.5	Spur	10	Purchaser	Purchaser
Get Bent #3 Access Spur	3	NC-1844-F	0.5	Spur	10	Purchaser	Purchaser
Nen. Ridge 11 Mi. Birch Spur	4	NC-1982-F	0.5	Spur	10	Purchaser	Purchaser

*Road Class is as defined in the DOF Road Standards.*

*\*Note: Roads must be less than 20% grade per 8 AAC 61.1060 Additional Logging Standards.*

Notes:

**B. Soil Erosion / Mass Wasting**

Maximum percent side slopes: 40%

- Maximum percent side slopes are  $\leq 50\%$
- Maximum percent side slopes are  $> 50\%$ 
  - There are no indicators of unstable areas where roads will be constructed
  - Indicators of unstable areas were identified and will be mitigated by actions indicated below:

**Table 6. Road Erosion Control Risk and Mitigation**

Road ID	Segment	Mile	Identified Erosion Risk	Risk Level	Mitigation
Upper Grouse 1.5-Mile Spur	3; NC-1982-F	0.6	Steep adverse grade (15%)	Low	Purchaser may re-construct this spur to reduce the adverse grade
Nenana Ridge Forest Road	1; All Sales	8.7	Negligible	Low	Existing road; maintain to DOF Road Standards
Upper Grouse Forest Road	2; NC-1982-F	1.5	Negligible	Low	Existing road; maintain to DOF Road Standards
Nen. Ridge 3-Mile Spur	2; NC-1583-F	2	Negligible	Low	Existing road; maintain to DOF Road Standards
Nen. Ridge 6.5-Mile Spur	2; NC-1844-F	0.25	Negligible	Low	Existing road; maintain to DOF Road Standards
Loop Birch Access Spur	3; NC-1583-F	0.5	Negligible	Low	New Road; construct and maintain to DOF Road Standards
Get Bent #3 Access Spur	3; NC-1844-F	0.5	Negligible	Low	New Road; construct and maintain to DOF Road Standards
Nen. Ridge 11 Mi. Birch Spur	4; NC-1982-F	0.5	Negligible	Low	New Road; construct and maintain to DOF Road Standards

General Timber Sale Erosion Control:

- Grass seeding
- Erosion control mats
- Wattle
- Waterbars
- Other: \_\_\_\_\_
- Not applicable

**C. Crossing Structures**

- Are you removing or replacing drainage structures?  YES  NO
- No crossing structures are needed within the project area.
  - Crossing structures will be placed in access roads as described in the table below:

**Table 7. Required Drainage and Crossing Structures on Known Surface Waters**

Road ID	Segment	Mile	Bridge Length (ft.)	Structure Type	AS 41.17.950 Stream Classification	ADF&G AWC Number	Duration of crossing structure in place
NONE							

**D. Road Closure**

Roads constructed for the timber sale that are left open will be subject to maintenance standards under 11 AAC 95. 315. Otherwise, roads constructed for the timber sale will be closed, subject to standards under 11 AAC 95.320.

**Table 8. Road Closures**

Road ID	Segment	Unit	Closure Type All Season/Winter	Estimated Closure Date	Projected Road Use after Timber Harvest
NONE					

**D. Material Extraction**

- There will be no material extraction sites in the project area.
- Material extraction and associated overburden disposal will be located outside of riparian areas and muskegs. Material extraction and disposal will be located as shown on the operation map, in a manner that prevents runoff from entering surface waters.
- Other:

**E. Other Resources Affected by Roads or Material Extraction**

List resources other than water, habitat or cultural resources potentially impacted by road construction, and indicate how impacts will be mitigated. Other affected resources could be, but are not limited to mining claims, scenic areas, recreational trails, etc.

**Table 9. Other Affected Resources**

Impacted Resource	Reviewing Agency	Impact / Mitigation Actions
Winter trails	DNR/DOF	Require in contract that existing trails be kept open and unimpeded

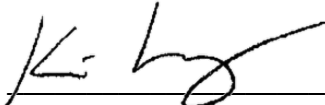
## V. Approvals and Appeals

This Forest Land Use Plan has been reviewed by the Division of Forestry & Fire Protection and provides the information necessary to be adopted by the Department of Natural Resources as required by AS 38.05.112.

 \_\_\_\_\_ 11/22/24 \_\_\_\_\_

Area Forester

Date

 \_\_\_\_\_ 11/22/24 \_\_\_\_\_

Regional Forester

Date

An eligible person affected by this decision, and who provided timely written comment or public hearing testimony to the department, may appeal the decision to the DNR Commissioner per AS 44.37.011 and 11 AAC 02. Any appeal must be received within twenty (20) calendar days after issuance of this decision under 11 AAC 02.040. An eligible person must first appeal a decision to the Commissioner before seeking relief in superior court. The Alaska State Courts establish its own rules for timely appealing final administrative orders and decisions of the department.

Appeals may be mailed or hand-delivered to the DNR Commissioner's Office, 550 W. 7th Avenue, Suite 1400, Anchorage, Alaska, 99501; or faxed to (907)-269-8918; or sent by electronic mail to [dnr.appeals@alaska.gov](mailto:dnr.appeals@alaska.gov). Appeals must be accompanied by the fee established in 11 AAC 05.160(d)(6), which has been set at \$200 under the provisions of 11 AAC 05.160 (a)-(b).

If no appeal is filed by that date, this decision goes into effect as a final order and decision on **Thursday, December 13<sup>th</sup>, 2024.**

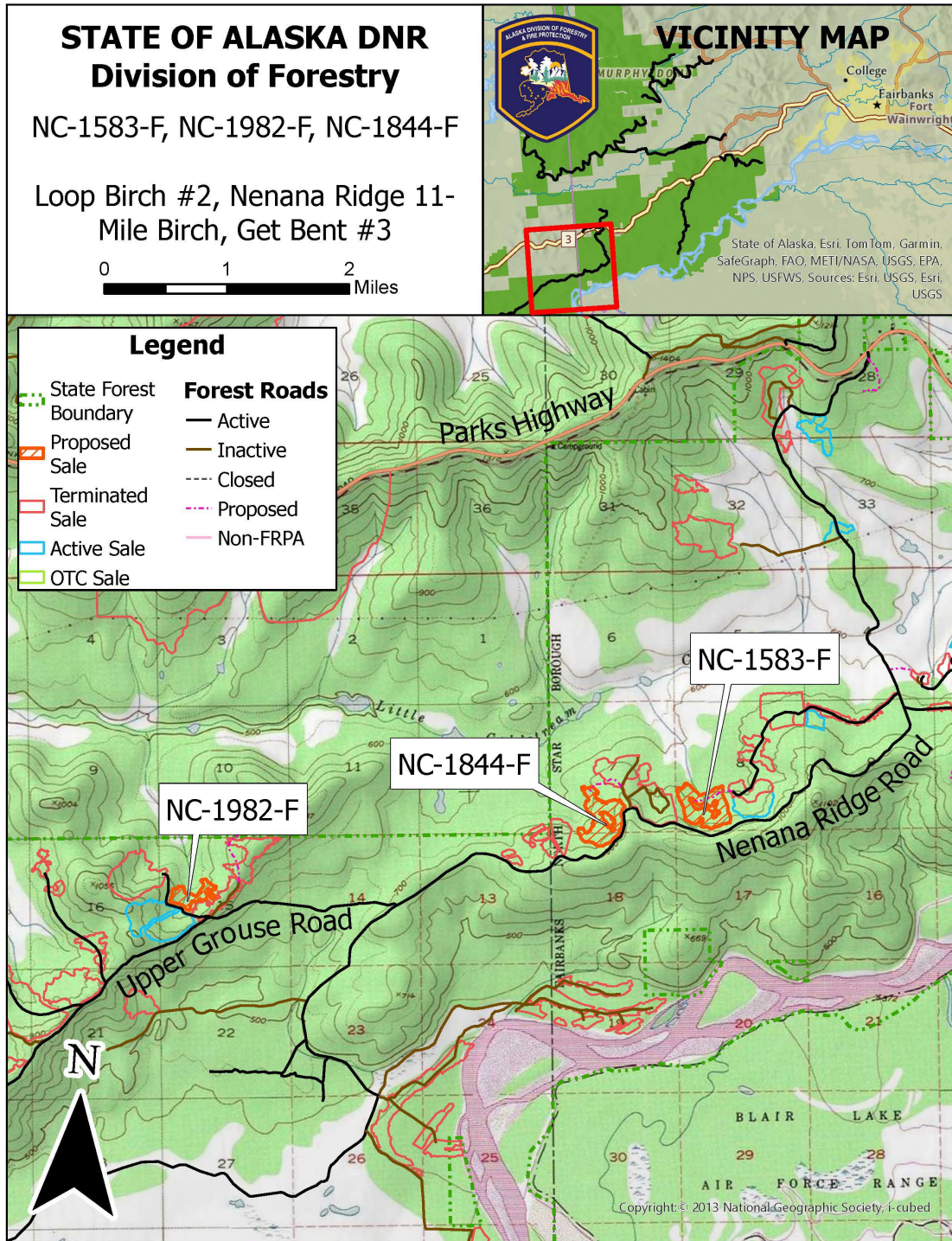
A copy of 11 AAC 02 is enclosed and is also available on the department's website at <https://dnr.alaska.gov/mlw/pdf/DNR-11-AAC-02.pdf>.

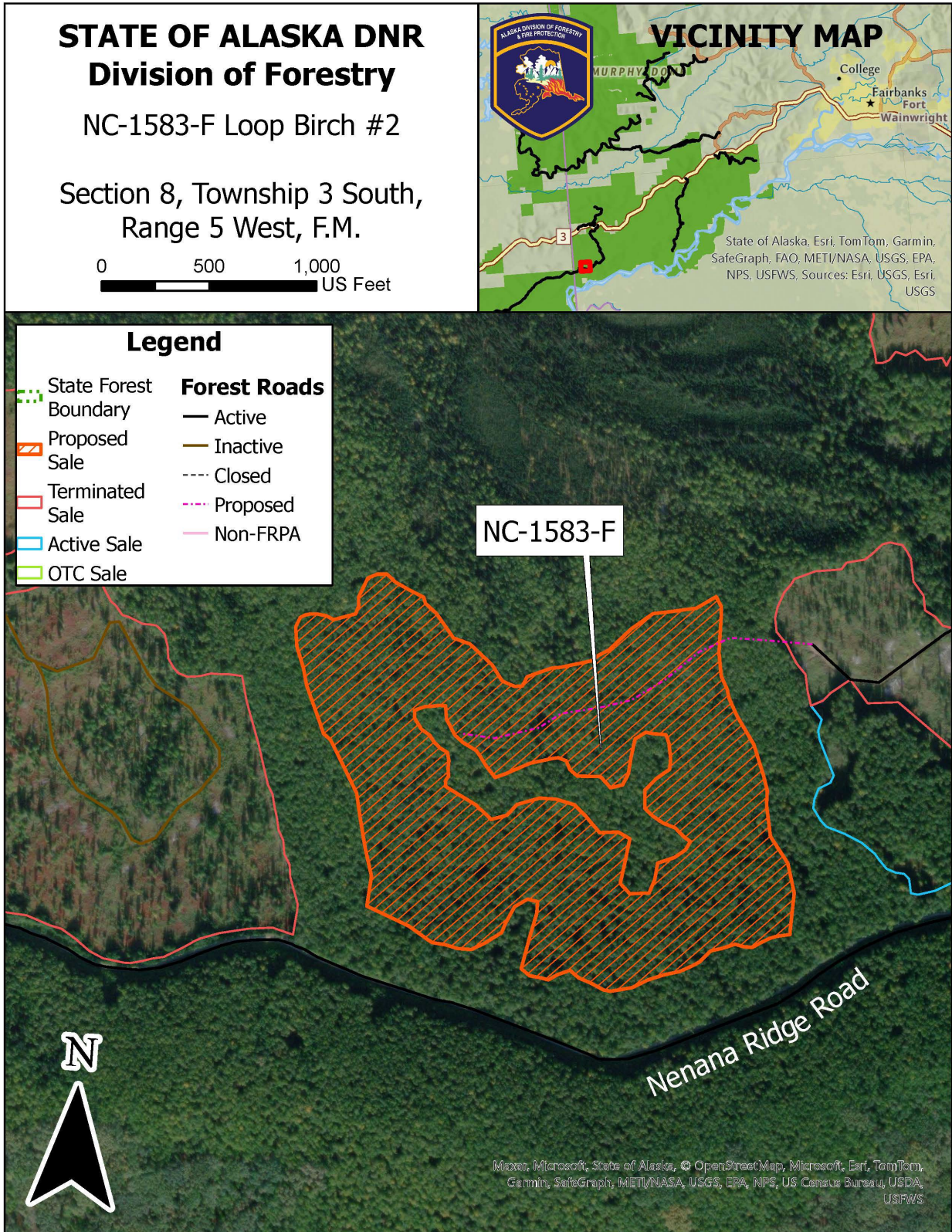
If you have any questions, please contact Kevin Breitenbach of the Fairbanks-Delta Area Office at (907) 451-2614 or by e-mail to [kevin.breitenbach@alaska.gov](mailto:kevin.breitenbach@alaska.gov).

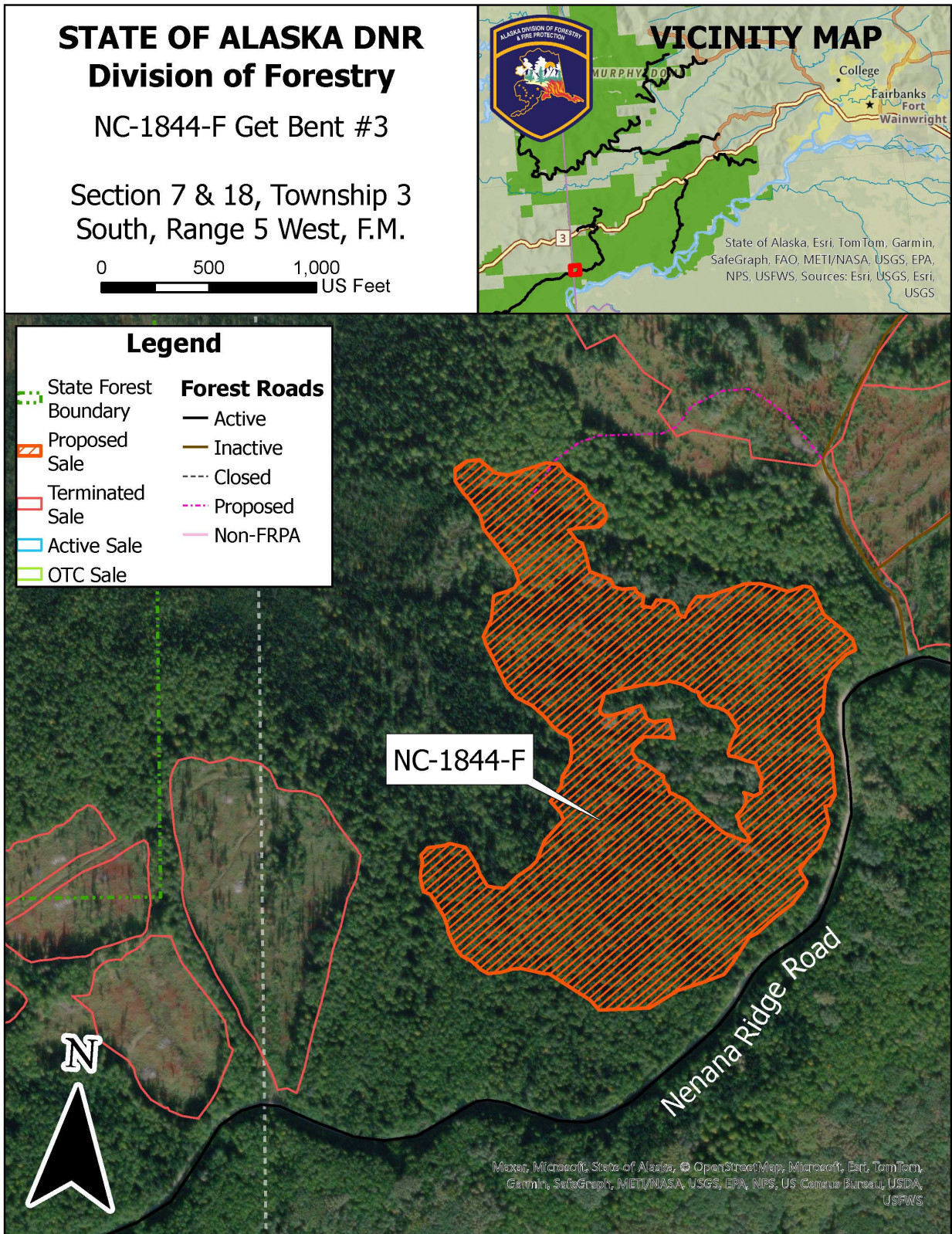


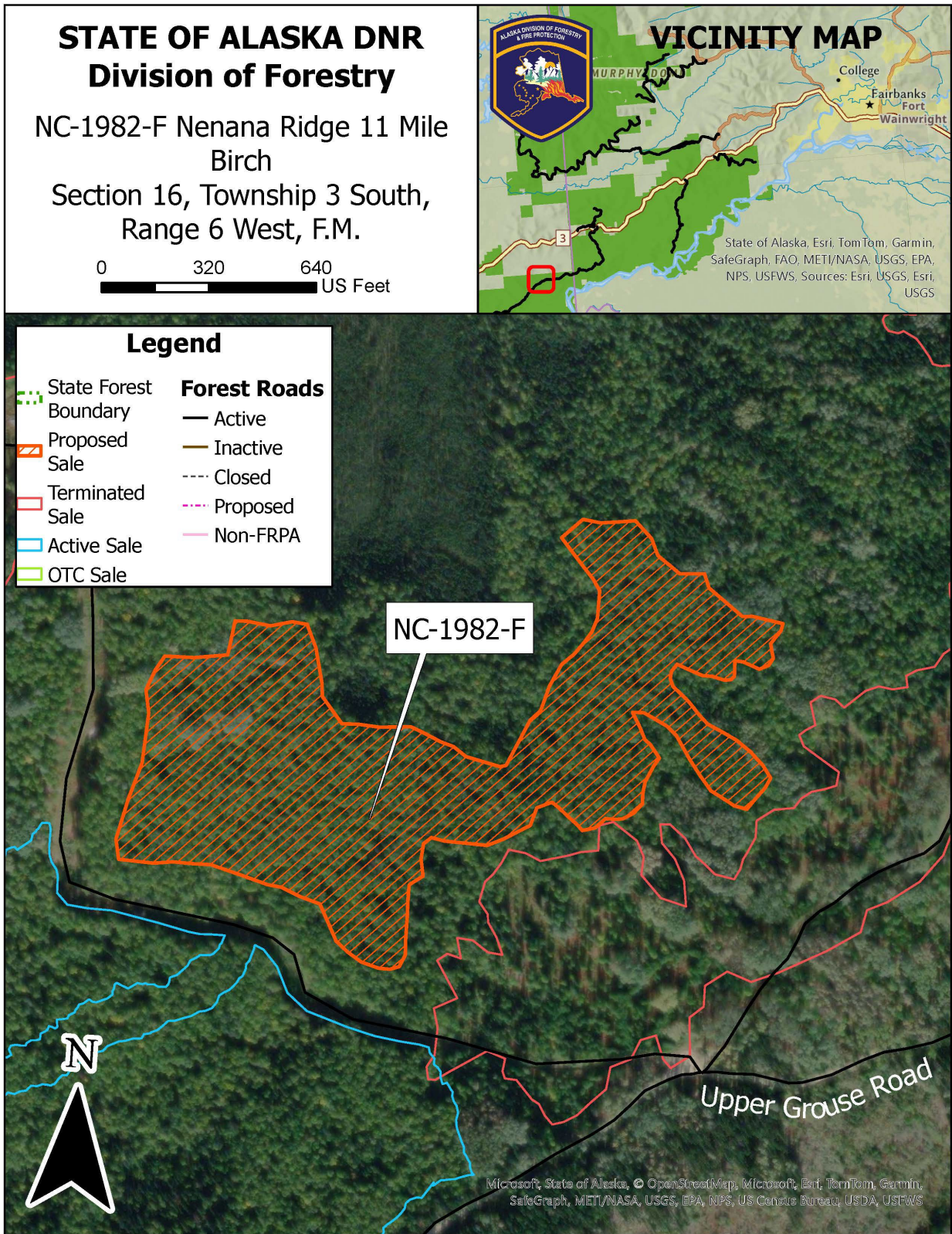
## VI. Appendices

### Appendix A: Timber Sale Maps









## Appendix B: Supporting Information

### Reforestation Supporting Information

For Region II or Region III partial harvest relying on residual trees to result in a stocking level that meets standards of 11 AAC 95.375(b)(4). Stocking levels will be calculated as follows:

**Table 1. Stocking Level Requirements**

Average DBH (Diameter at breast height)	Residual Trees (Trees/acre)	Minimum Stocking Standard (Trees/acre)	Percent Stocking
≥ 9"	0	120	0%
6" to 8"	0	170	0%
1" to 5"	0	200	0%
Total Residual Stocking			0%

#### Seedlings Required:

Percentage Under stocked = 100 – Total Residual Stocking %

Percentage Under stocked = 100 – 0% = 100%

Seedlings/ Acre Required = Percentage Understocked/100 x 450

Seedlings/ Acre Required = 100% /100 x 450 = 450

Artificial regeneration

Seeding: Species and source of seed (general vicinity location of seed source)

Planting: Species: \_\_\_\_\_ Date of proposed planting: \_\_\_\_\_

Source of seedlings (location of seed source): \_\_\_\_\_

Natural regeneration: provide known information on the following indicators of suitability for natural regeneration. If a box is checked “no,” please explain/describe the condition. N/A means “not applicable.”

Yes   No   N/A   Unknown

Seedbed and soil conditions suitable for natural regeneration

- |                                     |                          |                                     |                          |   |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Moss layers are shallow (≤4") or absent   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Where birch or spruce regeneration is targeted, exposed mineral soil will exist on at least 25% of the harvest area and is well-distributed across the unit |
| <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Where aspen regeneration from suckering is targeted, root   |

damage will be minimal and soil exposure will encourage warming.

<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>Unknown</u>	
<u>Seed/vegetative reproduction sources available</u>				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposure to prevailing winds, if known
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate seed trees exist within 3 tree heights of the reforestation site for spruce or within 2 tree heights for birch <i>Explanation: the sites are well-aligned with prevailing winds and have nearby robust birch seed sources on all sides. Perala and Alm (1990) suggest that 100m is a reasonable expectation for birch seedfall in flat terrain, and seed may persist in viability for up to 3 years. Root collar sprouting will also supplement seed-based reforestation.</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Where spruce regeneration is targeted, large seed crop in year prior to harvest or current year <i>Explanation: white spruce seed crops typically occur every 3-5 years, and are expected during or shortly after the harvest cycle.</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Where vegetative reproduction is targeted the harvest area contains sufficient, well-distributed paper birch, aspen, balsam poplar, western black cottonwood, red alder, or other species known to regenerate vegetatively as approved by the Division.

<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>Unknown</u>	
<u>Competition and infestation risk</u>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Calamagrostis</i> (bluejoint grass) is not visually evident. If <i>Calamagrostis</i> is visually evident, describe abundance and distribution. <i>Explanation: grass competition will be mitigated through mechanical patch scarification on slopes &lt; 20%, and harvest activities on slopes &gt; 20%.</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Equisetum</i> (horsetail) is present prior to harvest
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The site is not currently subject to intense herbivory due to peaks in the hare cycle, dense moose populations, or scarcity of browse in the surrounding landscape.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing stands are not infested with bark beetles ( <i>Dendroctonus</i> or <i>Ips</i> )
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Where spruce regeneration is targeted, harvest areas are free of known incidence of <i>Onnia tomentosus</i> root rot. <u>Note:</u> <i>tomentosus</i> can kill regeneration of spruce and, to a lesser degree, pine and larch. If <i>tomentosus</i> is present, describe the extent of the problem in the notes box below.

**Appendix C: Public and Agency Comments and Responses**

Commenter	Comment	Response
Alaska Dept. of Fish & Game	No issue of concern.	Noted.
Division of Mining, Land, & Water, Alaska Dept. of Natural Resources	There is a permit under LAS 19739 issued to the University of Alaska for long-term forest monitoring plots located within F003S005W Sections 8 and 18. The harvester should be aware of these plots and avoid disturbing them.	DOF will consult with UA to establish what installations are present and adopt prudent and reasonable mitigations to protect them. Information regarding LAS 19739 will be shared with timber sale purchasers.
Office of History and Archeology	Recommend an archeological survey where all-season road construction or ground scarification is planned.	DOF contracts will comply with the Alaska Historic Preservation Act, including prohibitions on the removal or destruction of cultural resources.  If, during the course of operations, any physical remains of historic, archaeological, or paleontological nature are discovered, work in that immediate vicinity must cease and the State must be notified.

## **Appendix D: Appeal and Request for Reconsideration Regulations**

Note: "Appeal" means a request to the commissioner to review a decision that the commissioner did not sign or cosign. "Request for reconsideration" means a petition or request to the commissioner to review an original decision that the commissioner signed or cosigned.

### **11 AAC 02 Regulations**

#### **11 AAC 02.010. Applicability and eligibility.**

- (a) This chapter sets out the administrative review procedure available to a person affected by a decision of the department. If a statute or a provision of this title prescribes a different procedure with respect to a particular decision, that procedure must be followed when it conflicts with this chapter.
- (b) Unless a statute does not permit an appeal, an applicant is eligible to appeal or request reconsideration of the department's decision on the application. An applicant is eligible to participate in any appeal or request for reconsideration filed by any other eligible party.
- (c) If a statute restricts eligibility to appeal or request reconsideration of a decision to those who have provided timely written comment or public hearing testimony on the decision, the department will give notice of that eligibility restriction as part of its public notice announcing the opportunity to comment.
- (d) If the department gives public notice and allows a public comment period of at least 30 days on a proposed action, and if no statute requires opportunity for public comment, the department may restrict eligibility to appeal or request reconsideration to those who have provided timely written comment or public hearing testimony on the proposed action by including notice of the restriction as part of its public notice announcing the opportunity to comment.
- (e) An eligible person affected by a decision of the department that the commissioner did not sign or cosign may appeal the decision to the commissioner within the period set by 11 AAC 02.040.
- (f) An eligible person affected by a decision of the department that the commissioner signed or cosigned may request the commissioner's reconsideration within the period set by 11 AAC 02.040.
- (g) A person may not both appeal and request reconsideration of a decision.

#### **11 AAC 02.015. Combined decisions.**

- (a) When the department issues a combined decision that is both a final disposal decision under AS 38.05.035(e) and any other decision, including a disposal decision combined with a land use plan decision, or a disposal decision to grant certain applications combined with a decision to deny others, the appeal process set out for a disposal decision in AS 38.05.035(i) - (m) and this chapter applies to the combined decision.
- (b) Repealed 12/27/2012.

#### **11 AAC 02.020. Finality of a decision for purposes of appeal to court.**

- (a) Unless otherwise provided in a statute or a provision of this title, an eligible person must



first either appeal or request reconsideration of a decision in accordance with this chapter before appealing a decision to superior court.

(b) The commissioner's decision on appeal is the final administrative order and decision of the department for purposes of appeal to the superior court.

(c) The commissioner may order or deny a request for reconsideration within 30 calendar days after issuance of the decision, as determined under 11 AAC 02.040(c) - (e). If the commissioner takes no action during the 30-day period, the request for reconsideration is considered denied. Denial of a request for reconsideration is the final administrative order and decision of the department for purposes of appeal to the superior court.

(d) If the commissioner timely orders reconsideration of the decision, the commissioner may affirm the decision, issue a new or modified decision, or remand the matter to the director for further proceedings. The commissioner's decision, other than a remand decision, is the final administrative order and decision of the department for purposes of appeal to the superior court.

**11 AAC 02.030. Filing an appeal or request for reconsideration.**

- (a) An appeal or request for reconsideration under this chapter must
- (1) be in writing;
  - (2) be filed by personal service, mail, facsimile transmission, or electronic mail;
  - (3) be signed by the appellant or the appellant's attorney, unless filed by electronic mail; an appeal or request for reconsideration filed by electronic mail must state the name of the person appealing or requesting reconsideration and a single point of contact to which any notice or decision concerning the appeal or request for reconsideration is to be sent;
  - (4) be correctly addressed;
  - (5) be timely filed in accordance with 11 AAC 02.040;
  - (6) specify the case reference number used by the department, if any;
  - (7) specify the decision being appealed or for which reconsideration is being requested;
  - (8) specify the basis upon which the decision is challenged;
  - (9) specify any material facts disputed by the appellant;
  - (10) specify the remedy requested by the appellant;
  - (11) state the address to which any notice or decision concerning the appeal or request for reconsideration is to be mailed; an appellant may also provide a telephone number where the appellant can be reached during the day or an electronic mail address; an appeal or request for reconsideration filed electronically must state a single address to which any notice or decision concerning the appeal or request for reconsideration is to be mailed;
  - (12) identify any other affected agreement, contract, lease, permit, or application by case reference number, if any;
  - (13) include a request for an oral hearing, if desired; in the appeal or request for reconsideration, the appellant may include a request for any special procedures to be used at the hearing; the appeal or request for reconsideration must describe the factual issues to be considered at the hearing; and
  - (14) be accompanied by the applicable fee set out in 11 AAC 05.160.

(b) At the time an appeal is filed, and up until the deadline set out in 11 AAC 02.040(a) to file the appeal, an appellant may submit additional written material in support of the appeal, including evidence or legal argument.

(c) If public notice announcing a comment period of at least 30 days was given before the decision, an appellant may not submit additional written material after the deadline for filing the appeal, unless the appeal meets the requirements of (a) of this section and includes a request for an extension of time, and the department determines that the appellant has shown good cause for an extension. In considering whether the appellant has shown good cause, the department will consider factors including one or more of the following:

- (1) comments already received from the appellant and others;
- (2) whether the additional material is likely to affect the outcome of the appeal;
- (3) whether the additional material could reasonably have been submitted without an extension;
- (4) the length of the extension requested;
- (5) the potential effect of delay if an extension is granted.

(d) If public notice announcing a comment period of at least 30 days was not given before the decision, an appellant may submit additional written material after the deadline for filing the appeal, if the appeal meets the requirements of (a) of this section and includes a notice of intent to file the additional written material. The department must receive the additional written material within 20 days after the deadline for filing the appeal, unless the appeal also includes a request for an extension of time, and the department determines that the appellant has shown good cause for an extension. In considering whether the appellant has shown good cause, the department will consider factors including one or more of the following:

- (1) comments already received from the appellant and others;
- (2) whether the additional material is likely to affect the outcome of the appeal;
- (3) whether the additional material could reasonably have been submitted without an extension;
- (4) the length of the extension requested;
- (5) the potential effect of delay if an extension is granted.

(e) At the time a request for reconsideration is filed, and up until the deadline to file a request for reconsideration, an appellant may submit additional written material in support of the request for reconsideration, including evidence or legal argument. No additional written material may be submitted after the deadline for filing the request for reconsideration.

(f) If the decision is one described in 11 AAC 02.060(c), an appellant may ask for a stay as part of the appeal or request for reconsideration. The appellant must include an argument as to why the public interest requires a stay.

**11 AAC 02.040. Timely filing; issuance of decision.**

(a) To be timely filed, an appeal or request for reconsideration must be received by the commissioner's office within 20 calendar days after issuance of the decision, as determined under (c) or (d) of this section, unless another period is set by statute, regulation, or existing contract. If the 20th day falls on a day when the department is officially closed, the appeal or request for reconsideration must be filed by the next working day.

(b) An appeal or request for reconsideration will not be accepted if it is not timely filed.

(c) If the appellant is a person to whom the department delivers a decision by personal service or by certified mail, return receipt requested, issuance occurs when the addressee or the addressee's agent signs for the decision. If the addressee or the addressee's agent neglects or refuses to sign for the certified mail, or if the address that the addressee provided to the department is not correct, issuance by certified mail occurs when the decision is deposited in a United States general or branch post office, enclosed in a postage-paid wrapper or envelope, addressed to the person's current address of record with the department, or to the address specified by the appellant under 11 AAC 02.030(a)(11).

(d) If the appellant is a person to whom the department did not deliver a decision by personal service or certified mail, issuance occurs

(1) when the department gives public notice of the decision; or

(2) if no public notice is given, when the decision is signed; however, the department may state in the decision a later date of issuance and the corresponding due date for any appeal or request for reconsideration.

(e) The date of issuance constitutes delivery or mailing for purposes of a reconsideration request under AS 44.37.011(d) or AS 44.62.540(a).

#### **11 AAC 02.050. Hearings.**

(a) The department will, in its discretion, hold a hearing when questions of fact must be resolved.

(b) The hearing procedure will be determined by the department on a case-by-case basis. As provided in 11 AAC 02.030(a)(13), any request for special procedures must be included with the request for a hearing.

(c) In a hearing held under this section

(1) formal rules of evidence need not apply; and

(2) the hearing will be recorded, and may be transcribed at the request and expense of the party requesting the transcript.

#### **11 AAC 02.060. Stays; exceptions.**

(a) Except as provided in (c) and (d) of this section, timely appealing or requesting reconsideration of a decision in accordance with this chapter stays the decision during the commissioner's consideration of the appeal or request for reconsideration. If the commissioner determines that the public interest requires removal of the stay, the commissioner will remove the stay and allow all or part of the decision to take effect on the date set in the decision or a date set by the commissioner.

(b) Repealed 9/19/2001.

(c) Unless otherwise provided in a statute or a provision of this title, a decision takes effect immediately if it is a decision to

(1) issue a permit that is revocable at will;

(2) approve surface operations for a disposal that has already occurred or a property right that has already vested; or

(3) administer an issued oil and gas lease or license, or an oil and gas unit agreement.

(d) Timely appealing or requesting reconsideration of a decision described in (c) of this section does not automatically stay the decision. However, the commissioner will impose a stay,

on the commissioner's own motion or at the request of an appellant, if the commissioner determines that the public interest requires it.

(e) A decision takes effect immediately if no party is eligible to appeal or request reconsideration and the commissioner waives the commissioner's right to review or reconsider the decision.

**11 AAC 02.070. Waiver of procedural violations.**

The commissioner may, to the extent allowed by applicable law, waive a requirement of this chapter if the public interest or the interests of justice so require.

**11 AAC 02.900. Definitions.**

In this chapter,

- (1) "appeal" means a request to the commissioner to review a decision that the commissioner did not sign or cosign;
- (2) "appellant" means a person who files an appeal or a request for reconsideration;
- (3) "commissioner" means the commissioner of natural resources;
- (4) "decision" means a written discretionary or factual determination by the department specifying the details of the action to be allowed or taken;
- (5) "department" means, depending of the particular context in which the term is used, the Department of Natural Resources, the commissioner, the director of a division within the Department of Natural Resources, or an authorized employee of the Department of Natural Resources;
- (6) "request for reconsideration" means a petition or request to the commissioner to review an original decision that the commissioner signed or cosigned.