State of Alaska

Department of Natural Resources
Division of Forestry & Fire Protection

Fairbanks Area Forestry
Draft Forest Land Use Plan
JENNY M – GRANGE HALL PROJECT AREA
NC-1850-F, NC-1955-F, NC-2051-F, NC-2058-F, NC-2064-F, NC-2322-F, NC-2370-F, NC-2548-F, NC-2570-F

10/8/2026

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
DMLW	Division of Mining, Land and Water
DFFP	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
TVSFMP	Tanana Valley State Forest Management Plan

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I. Introduction

Project File Number: NC-1850-F, NC-1955-F, NC-2051-F, NC-2058-F, NC-2064-F, NC-2322-F, NC-2370-F, NC-2548-F, NC-2570-F

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

This Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 310 acres of land in the Jenny M – Grange Hall Road area near Two Rivers. 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 Draft 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. 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 Draft 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; Jenny M – Grange Hall 2026 PBIF available at https://forestry.alaska.gov/timber/fairbanks.

☐ This Draft 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.

A draft of this plan was distributed to the Alaska Department of Fish & Game (ADF&G) and the Department of Environmental Conservation (DEC) for their review and comments relevant to the consistency of this proposed project with the statutes governing forest land use plans (AS 38.05.112) and the requirements of the Alaska Forest Resources & Practices Act (AS 41.17) and its Regulations (11 AAC 95).

The public and agencies are invited to comment on specific requirements for harvest, access, and reforestation operations in this draft FLUP. The decision on whether or not to offer timber for sale is made through the best interest finding process, and is not subject to review under the FLUP. Objections or comments pertaining to the draft FLUP must be received in writing by the DFFP Fairbanks – Delta Area Office **by 4:30 PM AKST Friday, November 6th, 2026** in order to ensure consideration for review. Comments should be mailed to the State of Alaska, Division of Forestry & Fire Protection, 3700 Airport Way Fairbanks AK 99709 or by email to andrew.allaby@alaska.gov. For more information you may contact Andrew Allaby, Fairbanks-Delta Area Resource Forester, at 907-451-2603 or andrew.allaby@alaska.gov.To be eligible to participate in any appeal or request for reconsideration to the final decision, a person must be affected by the decision, and must have submitted comment to the preliminary decision during the

comment period.

After public and agency review of the draft FLUP, the DFFP will review comments, make changes as appropriate, and adopt the FLUP. 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.

☐ 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 2025
Eastern Tanana Area Plan 2015
ADNR-DFFP Forest Road and Bridge Standard Design 2016
SOA Occupational Safety & Health, Additional Logging Standards

The administrative record for this sale is maintained at the Division of Forestry & Fire Protection Fairbanks – Delta Area Office filed as NC-1850-F, NC-1955-F, NC-2051-F, NC-2058-F, NC-2064-F, NC-2322-F, NC-2370-F, NC-2548-F, NC-2570-F.

A. Legal description

The proposed sales are located within the Fairbanks Meridian at:

- **NC-1850-F / Mullen Floodplain Birch:** a 1-unit, 15-acre birch sale located 4.4 miles down Pheasant Farm Road, south at the fork beyond Jenny M Creek Bridge. The proposed sale is within Township 1 South, Range 3 East, Section 12, and Township 1 South, Range 4 East, Section 7, F.M.

- **NC-1955-F / Chena Bluff Spruce:** a 2-unit, 82-acre winter sawlog sale located 3 miles down Pheasant Farm Road, then north at Jenny M Creek Bridge onto Jenny M Hill Road for 3.3 miles. From here, roughly 1 mile of new all-season road construction, followed by 1.8 miles of winter-only road to reach both units 1 and 2. The proposed sale is within Township 1 South, Range 3 East, Sections 11 & 14, F.M.

- **NC-2051-F / Mullen Floodplain Birch #2:** a 1-unit, 14-acre birch sale located 4.7 miles down Pheasant Farm Road, south at the fork beyond Jenny M Creek Bridge. The proposed sale is within Township 1 South, Range 3 East, Sections 12 & 13, F.M.

- **NC-2058-F / Mullen Floodplain Birch #3:** a 1-unit, 11-acre winter-only birch sale located 2.7 miles down Pheasant Farm Road, followed by 0.2 miles of new winter road construction including an ice crossing of Mullen Slough. The proposed sale is within Township 1 South, Range 4 East, Sections 7 & 8, F.M.

- **NC-2064-F / Grange Hall Winter Spruce:** a 1-unit, 20-acre winter-only spruce sawlog sale located 2.4 miles down Grange Hall Road. The proposed sale is within Township 1 South, Range 4 East, Section 9, F.M.

- **NC-2322-F / Potlatch Creek Mixed:** a 3-unit, 121-acre winter-only mixed sale located 3 miles down Pheasant Farm Road, then north at Jenny M Creek Bridge onto Jenny M Hill Road for 3.3 miles. From here, roughly 1 mile of new all-season road construction, followed by 3.4 miles of winter-only road to reach units 1, 2 and 3. The proposed sale is within Township 1 South, Range 3 East, Section 15, F.M.

- **NC-2370-F / Mullen Island Spruce:** a 1-unit, 24-acre winter-only sawlog sale located 3 miles down Pheasant Farm Road, then south along an existing spur for 1 mile, followed by 0.5 miles of new winter road construction including an ice crossing of the Chena River. The proposed sale is within Township 1 South, Range 4 East, Section 18, F.M.

- **NC-2548-F / Granger than Fiction Mixed:** a 2-unit, 21-acre winter-only mixed sale located 2.6 miles down Grange Hall Road, then 0.3 miles down an existing secondary road, followed by 0.2 miles of new winter road construction. The proposed sale is within Township 1 South, Range 4 East, Section 8, F.M.

- **NC-2570-F / Moose Creek Mixed:** a 1-unit, 80-acre winter-only mixed sale located 3 miles down Pheasant Farm Road, then north at Jenny M Creek Bridge onto Jenny M Hill Road for 3.3 miles. From here, roughly 1 mile of new all-season road construction, followed by 2.7 miles of winter-only road to reach the sale. The proposed sale is within Township 1 South, Range 3 East, Section 16, F.M.

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 Area Office generally have a 3-year operational period expiring on May 31 of the third year. NC-1955-F will be offered in year 1, and other sales will be offered in subsequent years based on market demand.

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

D. Objectives and Summary

• Provide raw material for the forest industry to produce timber products that provide benefits to the state and local economy through employment opportunities.

• Harvest the commercial fuelwood before a significant decrease in vigor occurs and return the site to a young, productive mixed forest.

• Provide firewood for the residential heating needs of interior Alaska communities.

• 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.

II. Affected Land Owners/Jurisdictions

A. State

Activity on ownership:	Access Easement	Harvest	Written Representative Approval
☒ Tanana State Forest	☒	☒	☐
☐ Other state land managed by DNR	☒	☒	☐
☐ University of Alaska	☐	☐	☐
☒ Mental Health Trust	☒	☐	☒
☐ School Trust	☐	☐	☐

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-1955-F**: This sale contains mature white spruce-dominant stands with an incidental birch component growing on upland sites. The history of firewood harvest in the area is evident, as decomposing, moss-covered stumps proliferate, and spruce stocking is approximately 100 trees per acre with a basal area of 110 square feet per acre. The surrounding understory is characterized by thin moss layers, horsetail, and wild roses, holding pockets of grass within the drainages of the hogback and swale topography.

- **NC-2064-F, and NC-1370-F**: These sales are within floodplain spruce stands growing on the fertile margins of the Chena River. Stocking in these stands range from 100-150 trees per acre and a basal area of 90-160 square feet per acre. These sites contain a mix of moss, horsetail and rose.

- **NC-2322-F, NC-2548-F, NC-2570-F**: These sales are mixed stands with a primary spruce sawlog component, including merchantable component of birch fuelwood. These mixed stands occupy positions on the toe slopes of the upland as well as on the floodplain.

- **NC-1850-F, NC-2051-F, NC-2058-F**: These sales are mature closed-canopy birch stands with incidental components of white spruce positioned in the floodplain.

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-1850-F	15	Floodplain	Heavy partial cut	Whole tree harvest
NC-1955-F	82	10-20% slope	Heavy partial cut	Whole tree harvest
NC-2051-F	14	Floodplain	Heavy partial cut	Whole tree harvest
NC-2058-F	11	Floodplain	Heavy partial cut	Whole tree harvest
NC-2064-F	20	Floodplain	Heavy partial cut	Whole tree harvest

Unit ID	Acres	Topography	Silvicultural Action	Logging Method
NC-2322-F	121	5-15% slope	Heavy partial cut	Whole tree harvest
NC-2370-F	24	Floodplain	Heavy partial cut	Whole tree harvest
NC-2548-F	21	Floodplain	Heavy partial cut	Whole tree harvest
NC-2570-F	80	0-5% slope	Heavy partial cut	Whole tree harvest

C. Site Preparation

Natural regeneration will be utilized initially for reforestation. These sales will be 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 for NC-1955-F-1, NC-2058-F, NC-2064-F, NC-2322-F, NC-2370-F, NC-2570-F. 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-1850-F	15	Mechanical patch scarification	Completed annually following the previous season's harvest
NC-2051-F	14		
NC-1955-F-2	33		
NC-2064-F	20		
NC-2548-F	21		

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 DFFP and DEC to be acquired.

☒ The operator will contact the DFFP 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: 30%

☒ 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
NC-2051-F NC-2064-F NC-2370-F	Chena River	III-A	334-40-11000-2490-3301	100-ft timber retention buffer	•Winter roads and crossings to comply with FRPA Best Management Practices • Operator required to obtain ADF&G Stream Crossing permit
NC-1850-F NC-2058-F NC-2548-F	Mullen Slough	III-A	334-40-11000-2490-3301-4035	100-ft timber retention buffer	• Winter roads and crossings to comply with FRPA Best Management Practices • Operator required to obtain ADF&G Stream Crossing permit

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

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

Notes:

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:

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 from Chena River	DFFP	Irregular stand edges and retention of mature forest between the harvest boundaries and the Chena River and/or Chena Hot Springs Road will reduce the visual effects

☒ 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:

J. Reforestation

This project 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 areas will be laid out so that areas adjacent to the boundary include mature, robust trees to provide seed to these cutting units. Root-collar sprouting of birch is also anticipated. Harvest operations on steeper slopes are expected to provide suitable seedbeds for these sales. Reforestation will be assessed 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 in 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 **(All other sales proposed in this Draft FLUP are winter-only harvest)**
☐ Non-winter harvest only
☒ All-season harvest **(NC-1850-F, NC-2051-F, NC-1955-F-2)**

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 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
Grange Hall Rd	1	NC-2548-F, NC-2064-F	3.0	FNSB	8	DFFP	Purchaser
Pheasant Farm Rd	2	NC-1850-F, NC-1955-F, NC-2051-F, NC-2058-F, NC-2322-F, NC-2370-F	4.7	Secondary	8	DFFP	Purchaser
Jenny M Hill Rd	3	NC-1955-F, NC-2322-F, NC-2570-F	3.3	Secondary	8	DFFP	Purchaser
Mullen Slough Winter Rd	4	NC-2370-F	1.2	Winter	5	DFFP	Purchaser

Table 5B. New Road Construction and Use

Road ID	Segment	Harvest Unit	Miles	Road Class	Maximum Grade %	Constructed By	Maintained By
Grange Hall Ext.	5	NC-2548-F	0.2	Winter	5	Purchaser	Purchaser
Jenny M Hill Ext.	6	NC-1955-F	1.0	Secondary	8	Purchaser	Purchaser
NC-1955-F Spurs	7	NC-1955-F	1.8	Winter	8	Purchaser	Purchaser
NC-2322-F Spurs	8	NC-2322-F	3.4	Winter	8	Purchaser	Purchaser

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Road ID	Segment	Harvest Unit	Miles	Road Class	Maximum Grade %	Constructed By	Maintained By
NC-2570-F Spur	9	NC-2570-F	2.7	Winter	8	Purchaser	Purchaser
NC-2058-F Spur	10	NC-2058-F	0.2	Winter	5	Purchaser	Purchaser
Mullen Slough Ext.	11	NC-2370-F	0.5	Winter	5	Purchaser	Purchaser

Road Class is defined in the DFFP Road Standards.

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

Notes: Spur road construction and skid trails within timber sale boundaries are expected within each timber sale.

B. Soil Erosion / Mass Wasting

Maximum percent side slopes: 30%

☒ Maximum percent side slopes are ≤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	Miles	Identified Erosion Risk	Risk Level	Mitigation
Grange Hall Rd	1	3.0	Negligible	Low	Existing road
Pheasant Farm Rd	2	4.7	Negligible	Low	Existing road
Jenny M Hill Rd	3	3.3	Negligible	Low	Existing road
Mullen Slough Winter Rd	4	1.2	Negligible	Low	Existing road
Grange Hall Ext.	5	0.2	Negligible	Low	Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices
Jenny M Hill Ext.	6	1.0	Negligible	Low	Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices

Road ID	Segment	Miles	Identified Erosion Risk	Risk Level	Mitigation
NC-1955-F Spurs	7	1.8	Negligible	Low	Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices
NC-2322-F Spurs	8	3.4	Negligible	Low	Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices
NC-2570-F Spur	9	2.7	Negligible	Low	Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices
NC-2058-F Spur	10	0.2	Negligible	Low	If significant amounts of erodible soil are exposed through winter road operations, waterbars or other barriers will be required adjacent to stream crossings to intercept sedimentation.
Mullen Slough Ext.	11	0.5	Negligible	Low	If significant amounts of erodible soil are exposed through winter road operations, waterbars or other barriers will be required adjacent to stream crossings to intercept sedimentation.

General Timber Sale Erosion Control:

☐ Grass seeding ☐ Erosion control mats ☐ Wattle ☒ Waterbars
☒ Other: Logging slash ☐ 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
NC-2058-F Spur	10	0.1	200	Ice & snow bridge	III-A	334-40-11000-2490-3301	Winter seasonal operations
Mullen Slough Ext.	11	0.25	225	Ice & snow bridge	III-A	334-40-11000-2490-3301-4035	Winter seasonal operations

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.

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E. 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:

F. 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 recreational trails	DFFP	• Impact: Snow removal along winter access routes may result in berms that present travel barriers where trails cross winter roads • Mitigation: Ensure existing trail locations are made known to Operators and berms are removed to maintain trail access

V. Approvals

This Draft Forest Land Use Plan has been reviewed by the Division of Forestry & Fire Protection and provides the information necessary for public and agency review of the project described in this document.

_____ _____
Kevin Breitenbach **Date**
Area Forester

_____ _____
Kevin Meany **Date**
Regional Forester

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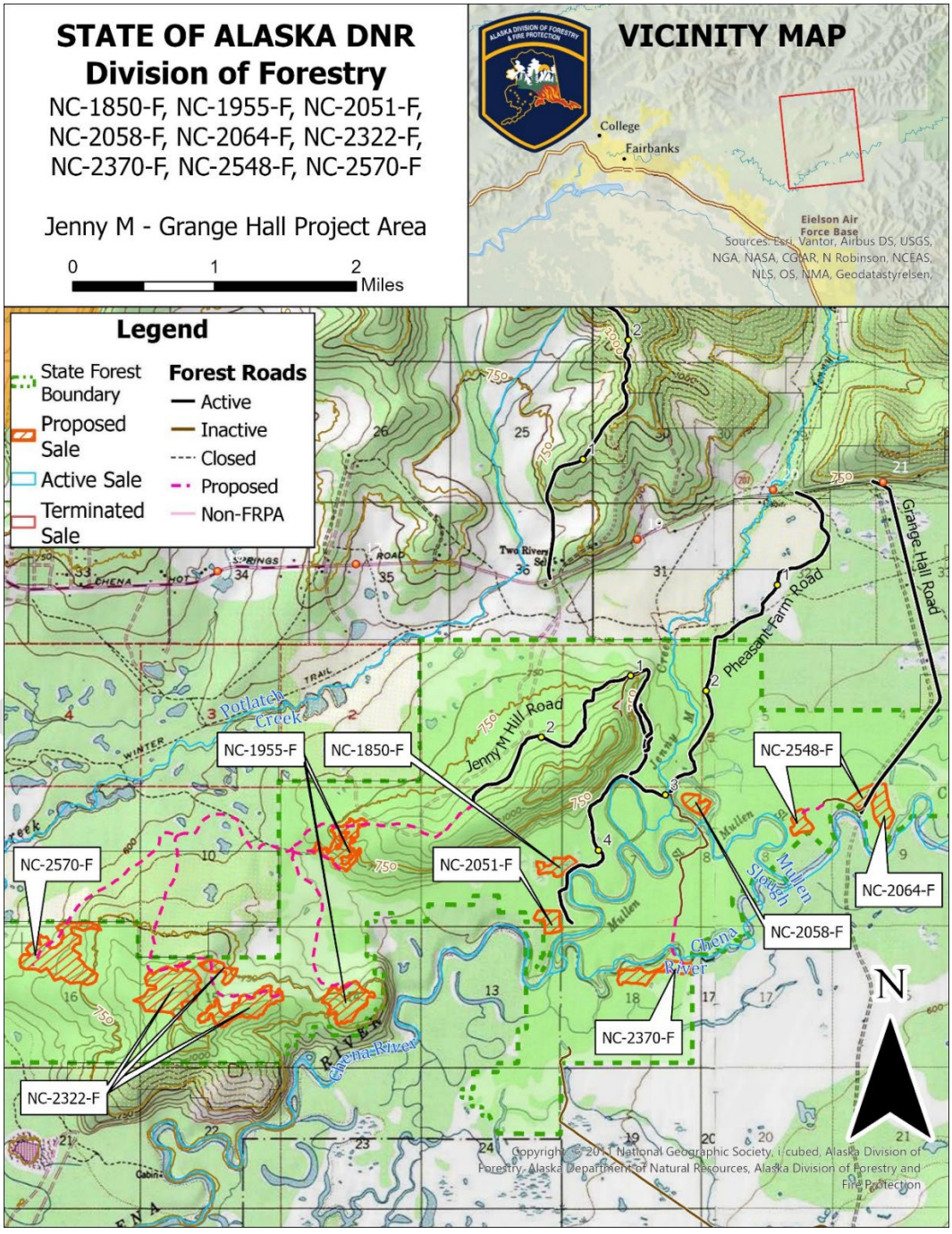
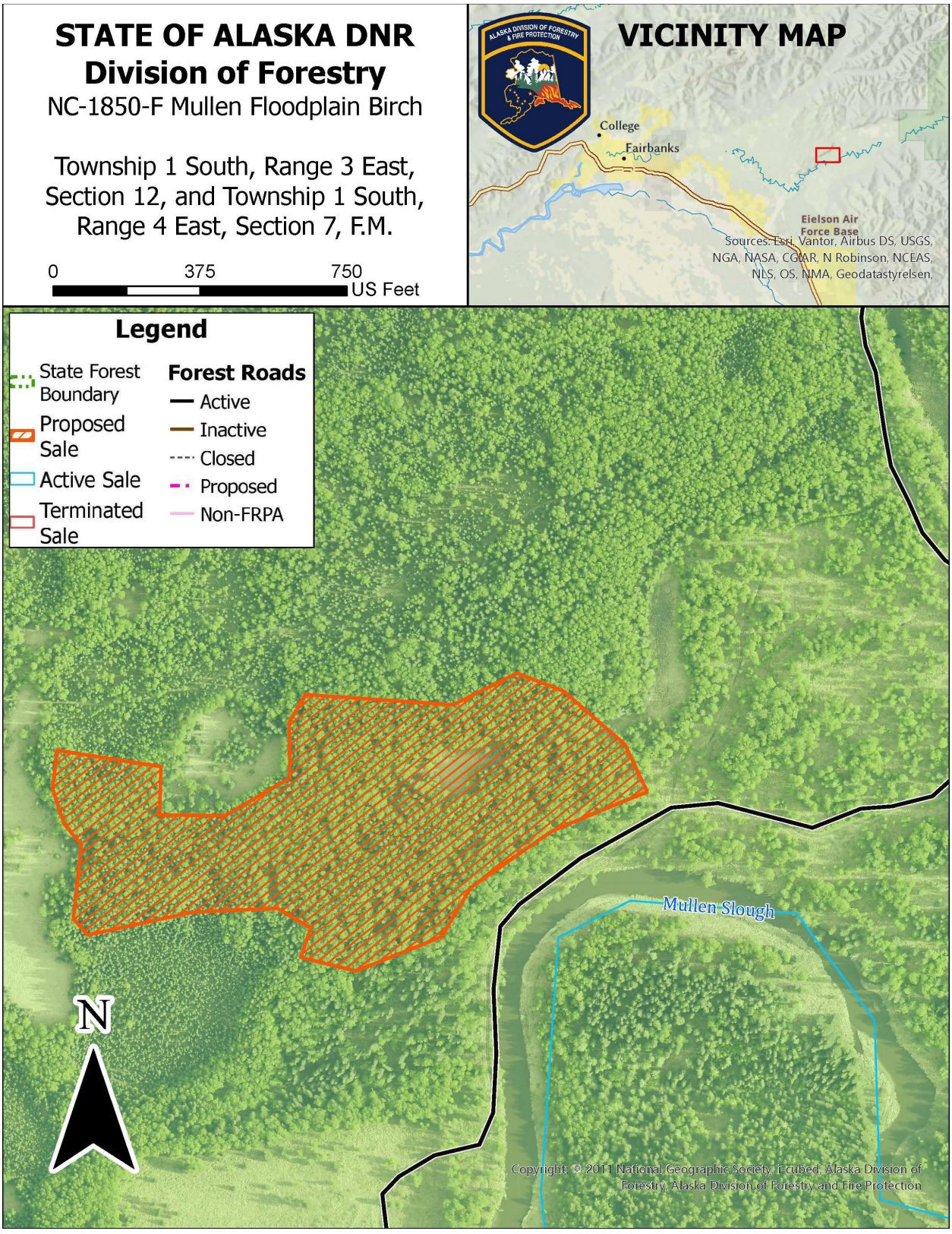
VI. Appendices

Appendix A: Timber Sale Maps




STATE OF ALASKA DNR
Division of Forestry
NC-1850-F Mullen Floodplain Birch
Township 1 South, Range 3 East, Section 12, and Township 1 South, Range 4 East, Section 7, F.M.
0
375
750
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
Mullen Slough
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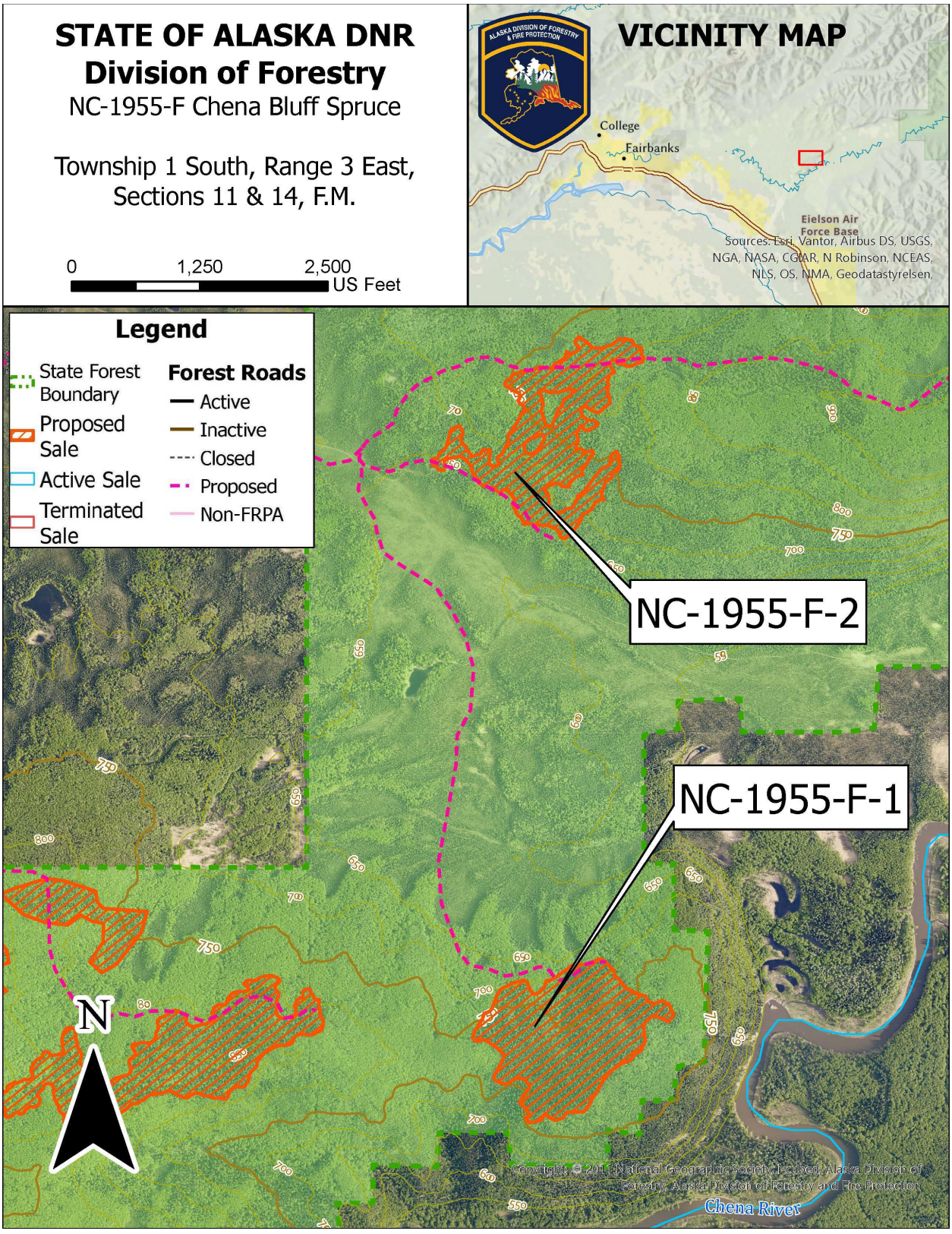
STATE OF ALASKA DNR
Division of Forestry
NC-1955-F Chena Bluff Spruce
Township 1 South, Range 3 East,
Sections 11 & 14, F.M.
0
1,250
2,500
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
NC-1955-F-2
NC-1955-F-1
N
Chena River
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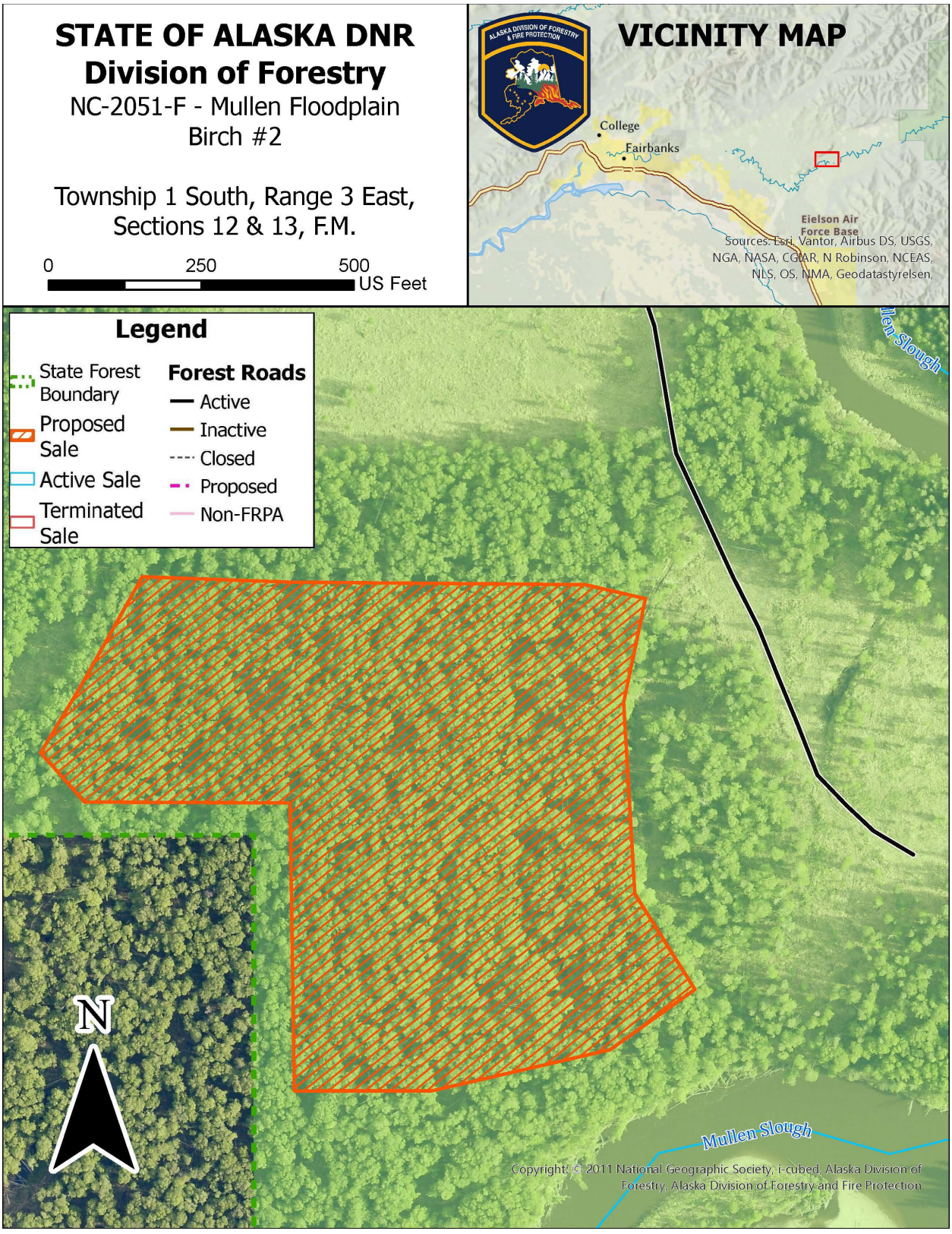
STATE OF ALASKA DNR
Division of Forestry
NC-2051-F - Mullen Floodplain
Birch #2
Township 1 South, Range 3 East,
Sections 12 & 13, F.M.
0
250
500
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
N
Mullen Slough
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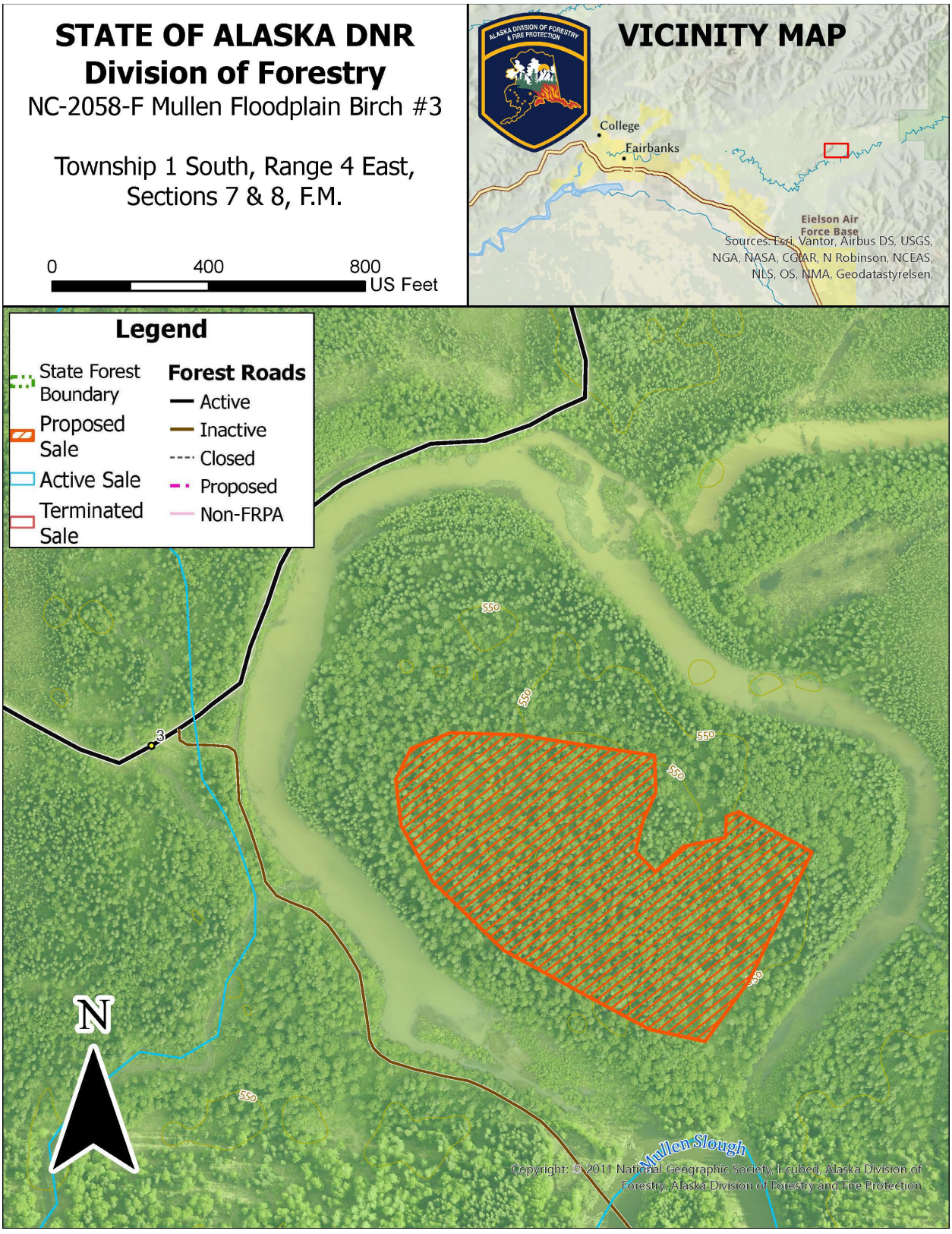
STATE OF ALASKA DNR
Division of Forestry
NC-2058-F Mullen Floodplain Birch #3
Township 1 South, Range 4 East,
Sections 7 & 8, F.M.
0
400
800
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
550
N
Mullen Slough
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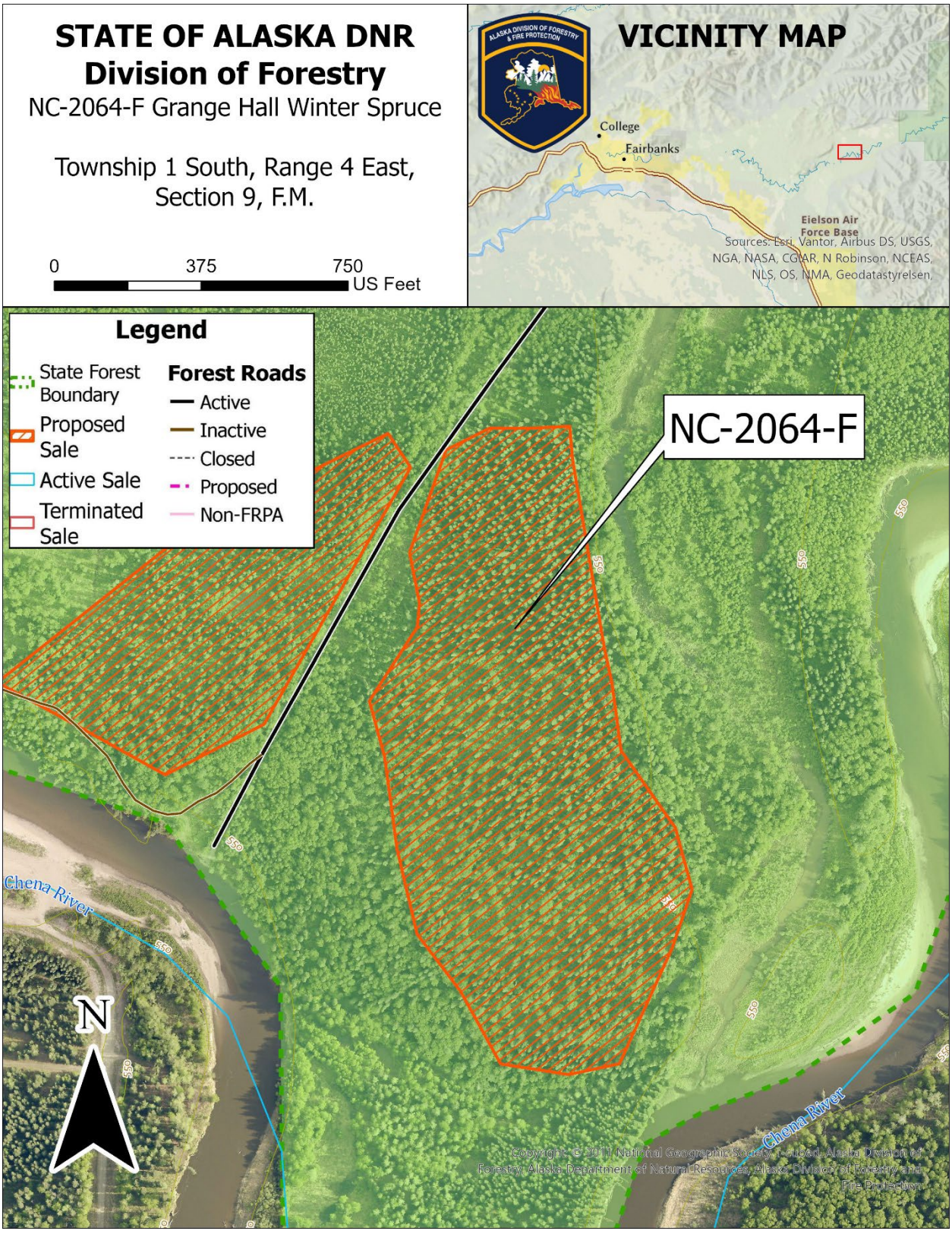
STATE OF ALASKA DNR
Division of Forestry
NC-2064-F Grange Hall Winter Spruce
Township 1 South, Range 4 East,
Section 9, F.M.
0
375
750
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
NC-2064-F
Chena River
Chena River
N
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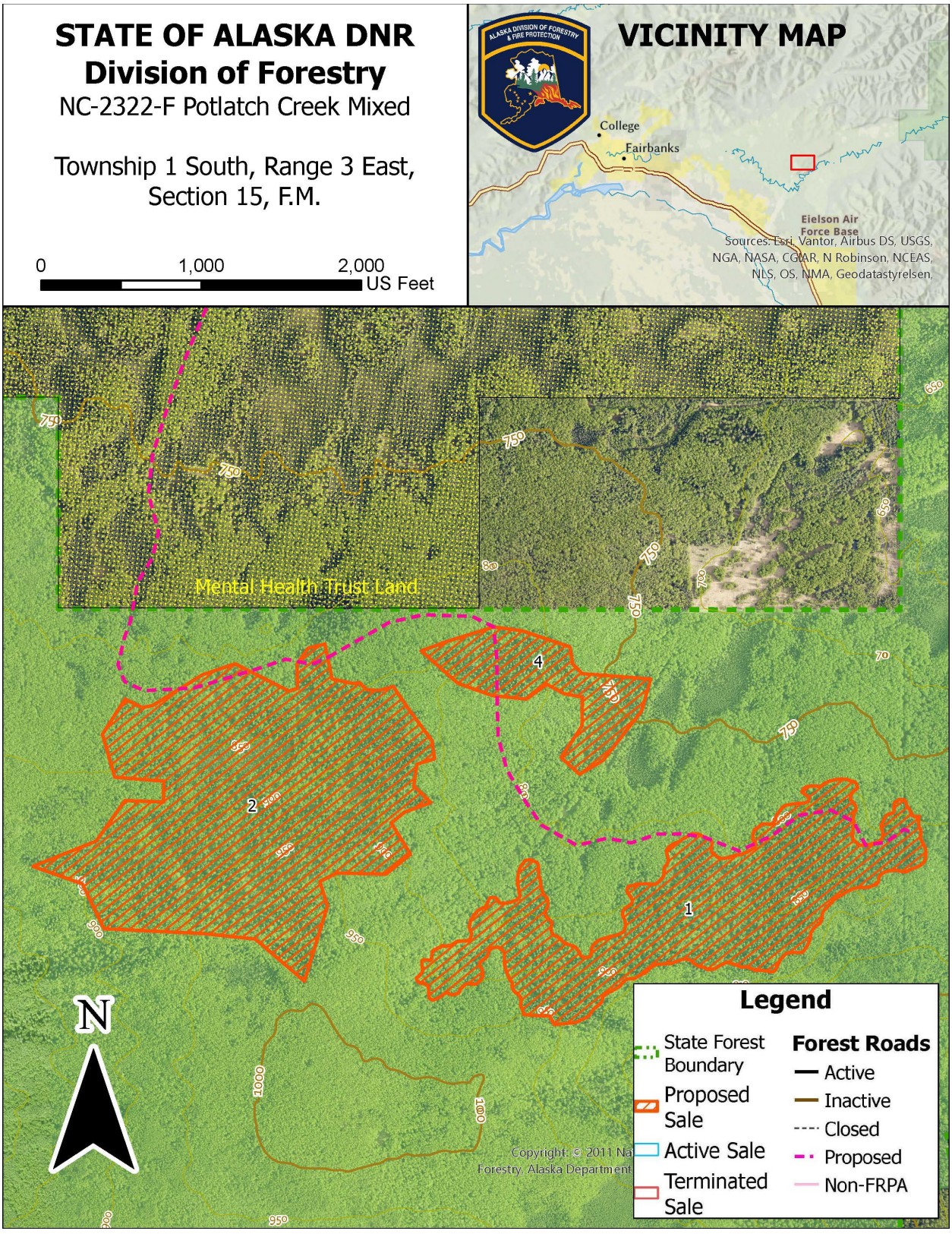
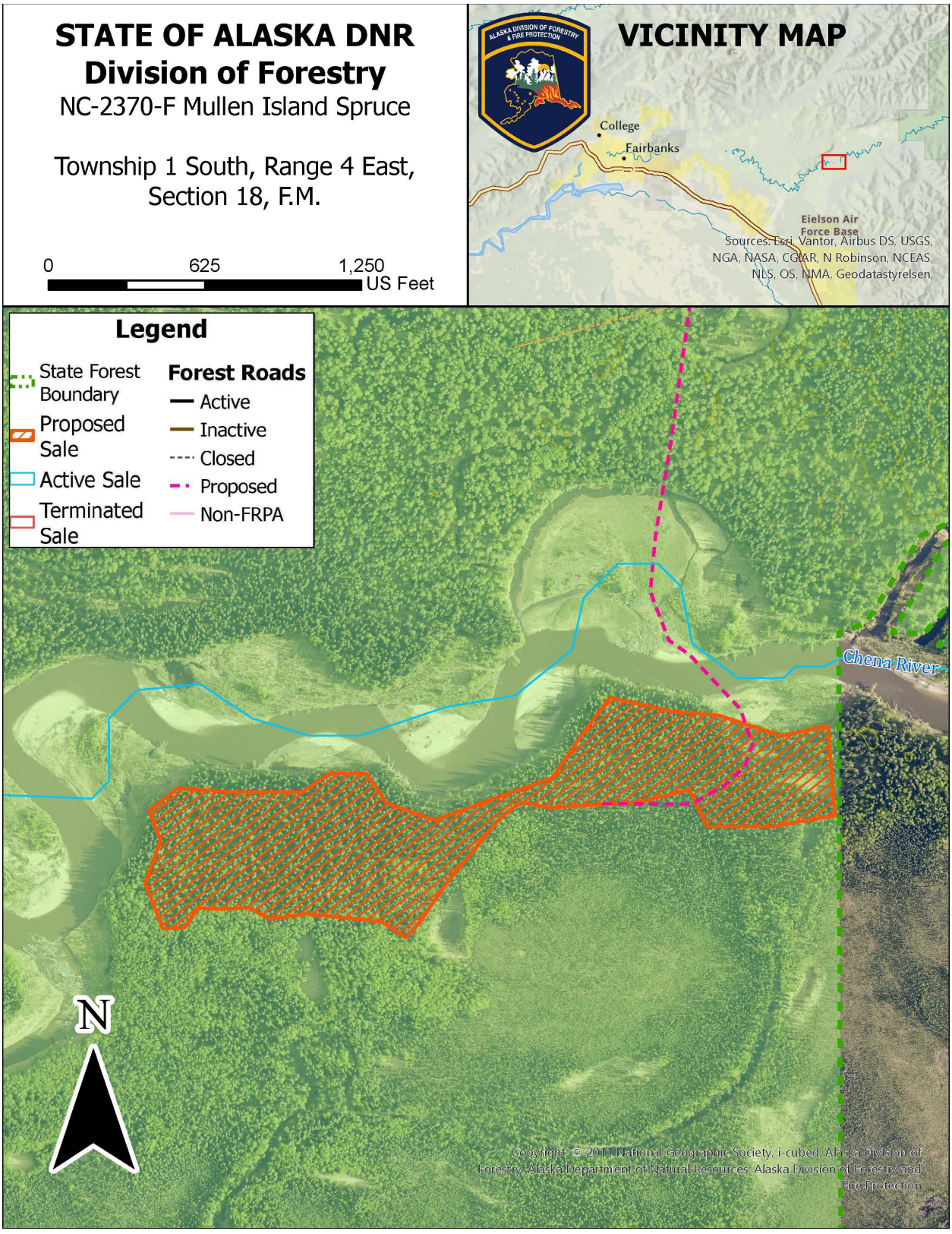

STATE OF ALASKA DNR
Division of Forestry
NC-2322-F Potlatch Creek Mixed
Township 1 South, Range 3 East,
Section 15, F.M.
0
1,000
2,000
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Mental Health Trust Land
1
2
4
N
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA


STATE OF ALASKA DNR
Division of Forestry
NC-2370-F Mullen Island Spruce
Township 1 South, Range 4 East,
Section 18, F.M.
0
625
1,250
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
Chena River
N
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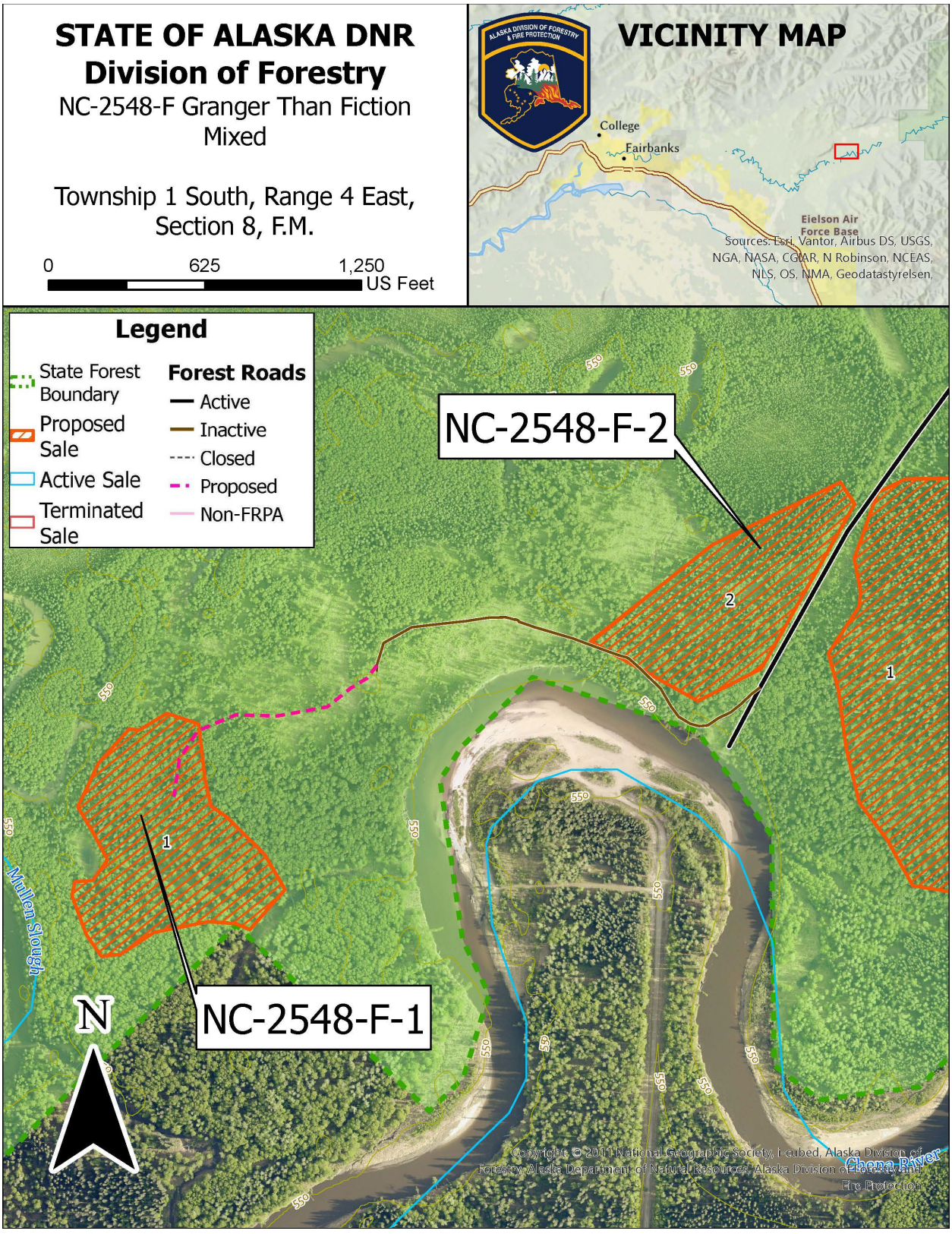
STATE OF ALASKA DNR
Division of Forestry
NC-2548-F Granger Than Fiction
Mixed
Township 1 South, Range 4 East,
Section 8, F.M.
0
625
1,250
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
NC-2548-F-2
NC-2548-F-1
N
Mullen Slough
Chena River
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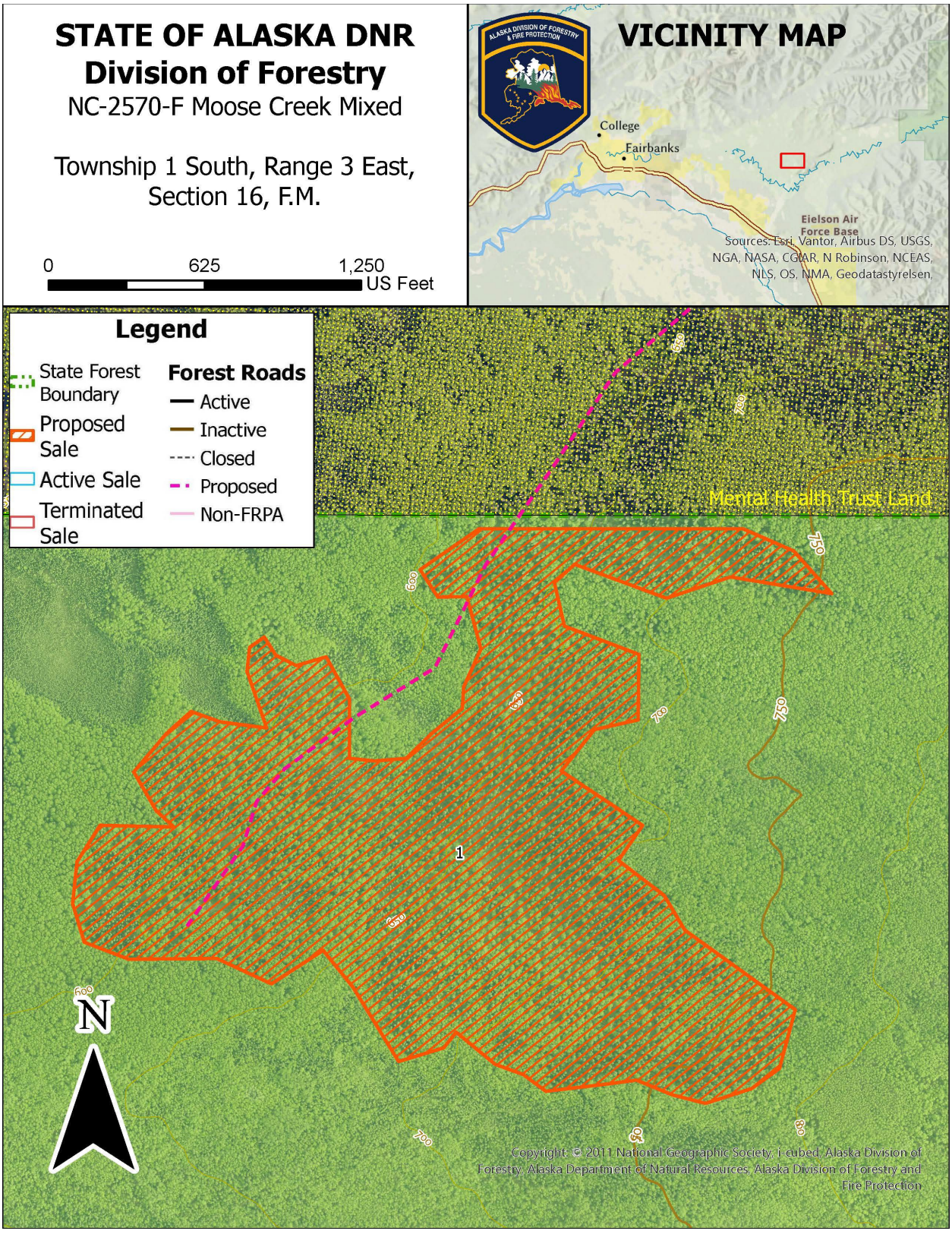
STATE OF ALASKA DNR
Division of Forestry
NC-2570-F Moose Creek Mixed
Township 1 South, Range 3 East,
Section 16, F.M.
0
625
1,250
US Feet
VICINITY MAP
College
Fairbanks
Eielson Air Force Base
Sources: Esri, Vantor, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,
Legend
State Forest Boundary
Proposed Sale
Active Sale
Terminated Sale
Forest Roads
Active
Inactive
Closed
Proposed
Non-FRPA
Mental Health Trust Land
N
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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				
☒	☐	☐	☐	Moss layers are shallow (≤4”) or absent
☒	☐	☐	☐	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
☐	☐	☒	☐	Where aspen regeneration from suckering is targeted, root

damage will be minimal and soil exposure will encourage warming.

Yes	No	N/A	Unknown	Seed/vegetative reproduction sources available
☒	☐	☐	☐	Exposure to prevailing winds, if known
☒	☐	☐	☐	Adequate seed trees exist within 3 tree heights of the reforestation site for spruce or within 2 tree heights for birch
☒	☐	☐	☐	Where spruce regeneration is targeted, large seed crop in year prior to harvest or current year
☒	☐	☐	☐	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

Yes	No	N/A	Unknown	Competition and infestation risk
☐	☒	☐	☐	*Calamagrostis* (bluejoint grass) is not visually evident. If *Calamagrostis* is visually evident, describe abundance and distribution. Note: *Calamagrostis* coverage of more than 1-2% distributed across the site indicates that grass coverage may expand rapidly after harvest without treatment. *Explanation: grass competition will be mitigated through mechanical patch scarification on slopes < 20%, and harvest activities on slopes > 20%.*
☒	☐	☐	☐	*Equisetum* (horsetail) is present prior to harvest
☒	☐	☐	☐	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.
☒	☐	☐	☐	Existing stands are not infested with bark beetles *(Dendroctonus* or *Ips)*
☒	☐	☐	☐	Where spruce regeneration is targeted, harvest areas are free of known incidence of *Onnia tomentosus* root rot. Note: *tomentosus* can kill regeneration of spruce and, to a lesser degree, pine and larch. If *tomentosus* is present, describe the extent of the problem in the notes box below. Design reforestation to minimize continuation or spread of the disease

DRAFT