

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



**Northern Region Fairbanks-Delta Area**  
**Draft Forest Land Use Plan**  
**Melody Spruce**  
**NC-1983-F**  
**October 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                      |

## Contents

|                                                                                      |    |
|--------------------------------------------------------------------------------------|----|
| Introduction.....                                                                    | 1  |
| A. Legal description .....                                                           | 2  |
| B. Operational Period.....                                                           | 2  |
| C. Timber Disposal .....                                                             | 2  |
| D. Objectives and Summary.....                                                       | 3  |
| Affected Land Owners/Jurisdictions .....                                             | 3  |
| A. State.....                                                                        | 3  |
| B. Other Land Ownership .....                                                        | 3  |
| Harvest Methods, Silvicultural Actions, and Management of Non-timber Resources ..... | 3  |
| A. Timber Stand Description and History .....                                        | 4  |
| B. Timber Harvest Activities .....                                                   | 4  |
| C. Site Preparation .....                                                            | 5  |
| D. Slash Abatement.....                                                              | 5  |
| E. Soil Stability / Erosion / Mass Wasting.....                                      | 5  |
| F. Timber Harvest—Surface Water Protection.....                                      | 6  |
| G. Wildlife Habitat.....                                                             | 6  |
| H. Cultural and Historical Resource Protection.....                                  | 7  |
| I. Other Resources Affected by Timber Harvest and Management .....                   | 7  |
| J. Reforestation.....                                                                | 7  |
| Roads and Crossing Structures.....                                                   | 8  |
| A. Road Design, Construction, and Maintenance.....                                   | 8  |
| B. Soil Erosion / Mass Wasting .....                                                 | 9  |
| C. Crossing Structures.....                                                          | 10 |
| D. Road Closure .....                                                                | 11 |
| E. Material Extraction .....                                                         | 11 |
| F. Other Resources Affected by Roads or Material Extraction.....                     | 11 |
| Approvals .....                                                                      | 12 |
| Appendix A: Timber Sale Maps.....                                                    | 13 |
| Appendix B: Supporting Information.....                                              | 15 |

## Introduction

Project File Number: NC-1983-F

Division of Forestry & Fire Protection Office: Fairbanks-Delta Area  
Area Forester: Kevin Breitenbach  
Forest Practices Geographic Region (AS 41.17.950): Region 3

This Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 15 acres of land in Standard Creek 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 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 [date] 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; Preliminary Best Interest Finding, Melody Spruce / NC-1983 available at <http://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.

### ***Draft FLUP Statement:***

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 Alaska, 99709 or by email to [Andrew.allaby@alaska.gov](mailto:Andrew.allaby@alaska.gov). For more information you may contact the Resource Forester Andrew Allaby in the Fairbanks-Delta area office at (907)-451-2603 or at [Andrew.allaby@alaska.gov](mailto: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-1983-F.

#### **A. Legal description**

The proposed sale is located approximately 20 miles southwest of the Fairbanks Forestry office in the Standard Creek Road Area off the Old Nenana Highway. The proposed sale is within the Fairbanks Northstar Borough. Located within Sections 32, Township 1 South, Range 4 West, Fairbanks Meridian. The sale may be accessed from the Old Nenana Highway, then 6 miles on Standard Creek Forest Road, then 1.2 miles on the 6 mile spur road, then 0.4 miles on an existing spur road. Operator must construct 1.1 miles of new spur roads to reach the sale.

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

## D. Objectives and Summary

- Provide the raw material for the industry to produce timber products providing benefits to the state and local economy through employment opportunities.
- Harvest the commercial sawtimber and/or fuelwood before a significant decrease in vigor occurs and return the site to a young productive mixed stand 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 the forest resources.

## Affected Land Owners/Jurisdictions

### A. State

| Activity on ownership:                                              | Access<br>Easement                  | Harvest                             | Written<br>Representative<br>Approval |
|---------------------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> Tanana Valley State Forest      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>              |
| <input checked="" type="checkbox"/> Other state land managed by DNR | <input checked="" type="checkbox"/> | <input checked="" 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:

Land Owner Representative:

## 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

The site is located towards the bottom of Goldstream valley with a slight southern aspect at about 550' elevation. It is an open canopy White Spruce stand with a mix of Black Spruce at the edge of productivity. The understory is dominated by moss and Labrador Tea with minimal grass or shrubs.

Cored trees revealed an even-aged stand between 150 to 190 years at breast height. The dominant size class was between 10-16" DBH and average sawtimber height about 80'. There are approximately 109 sawtimber trees per acre with a basal area of 88 ft<sup>2</sup>.

The age of the stand is evident, showing signs of decadence throughout. Larger canopy- trees had scattered incidence of broom rust, with some of the largest/oldest trees within the stand showing evidence of butt rot with weeping scars on the lower bole. Some of this decadence could also be attributed to marginal site conditions. There is evidence of thermokarst features primarily on the lower portions of the northern unit.

## 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                  |
|---------|-------|-------------|----------------------|---------------------------------|
| 1       | 7.5   | 5-15% slope | Clear cut            | Ground based whole tree harvest |
| 2       | 6.8   | 5-10% slope | Clear cut            | Ground based whole tree harvest |

### C. Site Preparation

Natural regeneration will be utilized initially for reforestation. The sale has been laid out so that areas adjacent to the boundary include mature, robust spruce trees to provide seed to this unit.

- ☒ 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    |
|---------|-------|-------------------------|-----------------------|
| All     | 15    | Natural regeneration    | 12 years post-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 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  $\leq 50\%$
- ☐ Maximum percent side slopes are  $> 50\%$

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

Maximum percent slopes: 20%

- ☐ There are no indicators of unstable areas.
- ☒ Indicators of unstable areas were identified and will be mitigated by actions indicated below.

*There is evidence of thermokarsting in the area due to melting ice lenses. These areas have been excluded and the harvest will be limited to winter conditions to mitigate thermal erosion.*

#### 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:

#### 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 |
|-------------------|------------------|----------------------------|
| none              |                  |                            |

- ☒ 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.

## 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 spruce trees to provide

Notes:

seed to this unit, and the size and shape of the unit ensure no area is more than 200 feet from the unharvested edge. 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

Draft Forest Land Use Plan  
Melody Spruce / NC-1983-F

- ☐ Non-winter harvest only  
☐ All-season harvest

Regeneration type:

- ☒ Natural regeneration

List species: White Spruce, Balsam Poplar, Birch, Aspen.

- ☐ Coppice

List species:

- ☐ 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.

## 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). The 2016 DNR-DFFP Road and Bridge Standards and 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 5.

**Table 5. Road Construction and Use**

| Road ID             | Segment | Harvest Unit | Mile | Road Class      | Maximum Grade %* | Constructed By | Maintained By |
|---------------------|---------|--------------|------|-----------------|------------------|----------------|---------------|
| Standard Creek Road | 1       | all          | 6.0  | Active Primary  | 8%               | DFFP           | Purchaser     |
| 6 Mile Spur         | 2       | All          | 1.2  | Active Spur     | 5%               | DFFP           | Purchaser     |
| NC-1446 spur        | 3       | All          | 0.25 | Inactive spur   | 5%               | DFFP           | Purchaser     |
| Unit 1 Spur         | 4       | Unit 1       | 0.2  | Proposed Winter | 5%               | Purchaser      | Purchaser     |
| Unit 2 Spur         | 5       | Unit 2       | 0.4  | Existing Winter | 5%               | DFFP           | Purchaser     |

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

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

Notes: The operator will be responsible for the construction of new winter road into unit 1. There is an existing winter road into unit 2 off of NC-1446 spur that will need to be improved.

## **B. Soil Erosion / Mass Wasting**

Maximum percent side slopes: 20%

☒ 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                                                                               |
|---------------------|---------|------|-------------------------|------------|------------------------------------------------------------------------------------------|
| Standard Creek Road | 1       | 6.0  | Negligible              | Low        | Existing road                                                                            |
| 6 mile spur         | 2       | 1.2  | Negligible              | Low        | Existing road                                                                            |
| NC-1446 spur        | 3       | 0.25 | Negligible              | Low        | Existing road                                                                            |
| Unit 1 winter road  | 4       | 0.25 | Negligible              | Low        | Construction to conform with DNR-DFFP Road Standards and AFRPA Best Management Practices |
| Unit 2 winter road  | 5       | 0.4  | Negligible              | Low        | Existing road                                                                            |

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/ Station or Point Label | Bridge Length (ft.) or Culvert Diameter (in.) | 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<br>All Season/Winter | Estimated<br>Closure Date | Projected Road Use after<br>Timber Harvest |
|---------|---------|------|-----------------------------------|---------------------------|--------------------------------------------|
| none    |         |      |                                   |                           |                                            |

#### 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 |
|-------------------|------------------|-----------------------------|
| none              |                  |                             |

## 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.**

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**Kevin Breitenbach**  
**Fairbanks-Delta Area Forester**

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**Date**

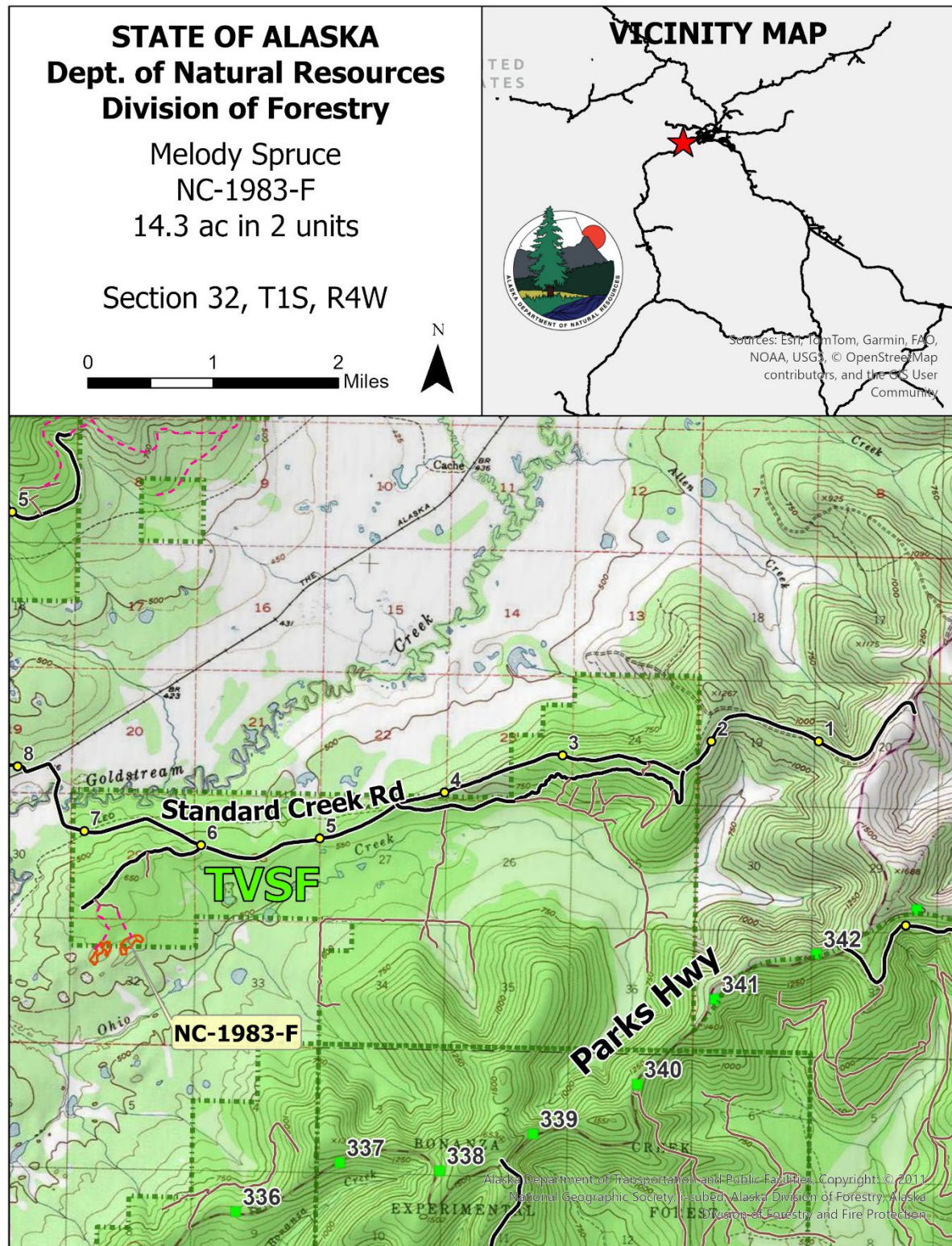
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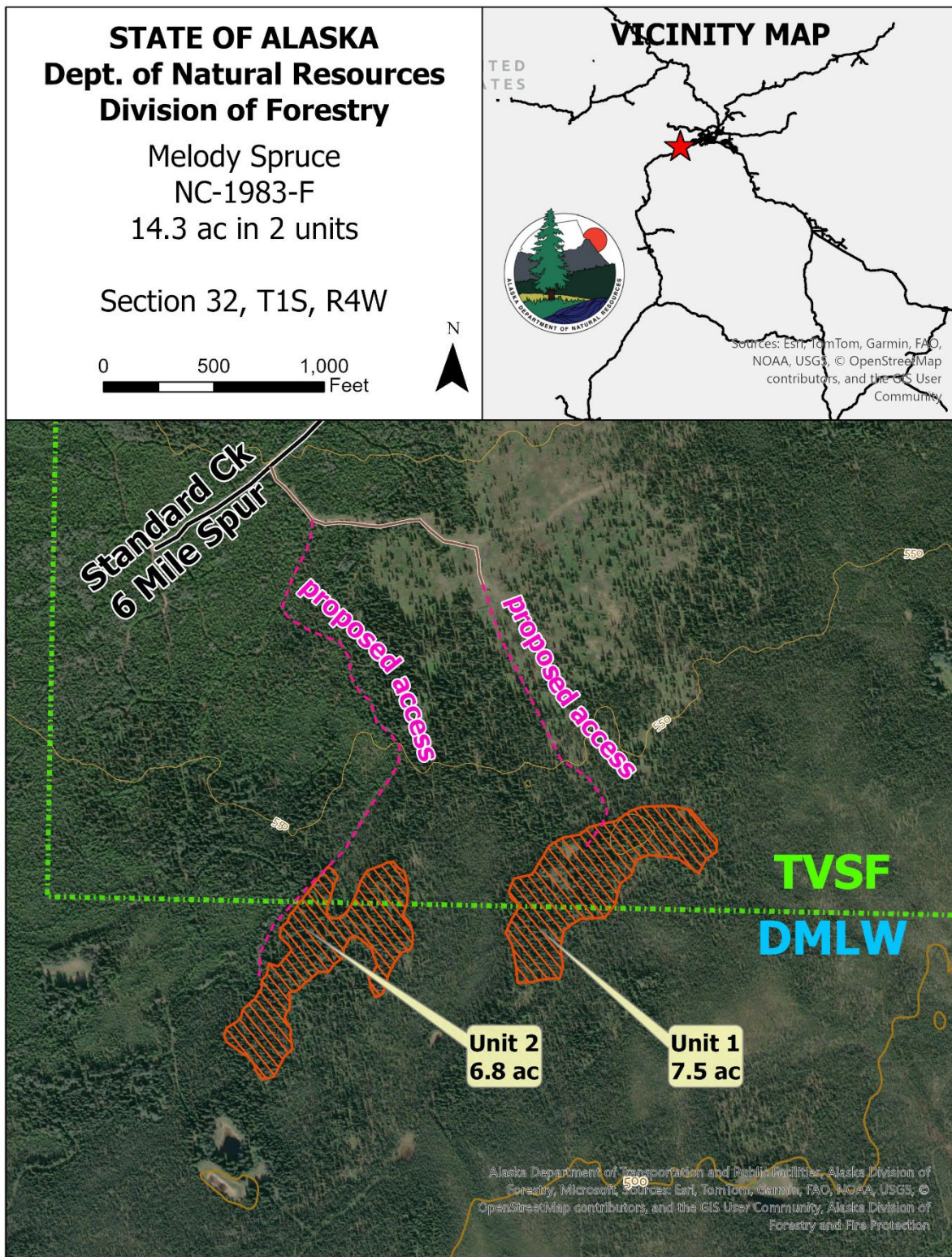
**Kevin Meany**  
**Regional Forester**

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**Date**

## 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 =  $100 - \text{Total Residual Stocking } \%$

Percentage Under stocked =  $100 - 100\% = 0\%$

Seedlings/ Acre Required =  $\text{Percentage Understocked} / 100 \times 450$

Seedlings/ Acre Required =  $0\% / 100 \times 450 = 0$

☐ 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 ( $\leq 4"$ ) 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.

Yes   No   N/A   Unknown

Seed/vegetative reproduction sources available

- |                                     |                          |                          |                          |                                                                                                                                                                                                                                                        |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Where spruce regeneration is targeted, large seed crop in year prior to harvest or current year                                                                                                                                                        |
| <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 |

Yes   No   N/A   Unknown

Competition and infestation risk

- |                                     |                          |                                     |                          |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | <input 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. <u>Note:</u> <i>Calamagrostis</i> coverage of more than 1-2% distributed across the site indicates that grass coverage may expand rapidly after harvest without treatment.                                                                     |
| <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 type="checkbox"/>            | <input type="checkbox"/> | <input checked="" 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. Design reforestation to minimize continuation or spread of the disease |