

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



Northern Region – Fairbanks-Delta Area
FOREST LAND USE PLAN
Anderson Spruce Timber Sale 2025
NC-2077-F

November 2025

Abbreviations

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
ADF&G	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
AS	Alaska Statute
BIF	Best interest finding
CCF	Hundred cubic feet
DBH	Diameter at breast height (4.5 feet above root collar)
DMLW	Division of Mining, Land and Water
DFFP	Division of Forestry & Fire Protection
ETAP	Eastern Tanana Area Plan
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
TVSF MP	Tanana Valley State Forest Management Plan, 2025 Update

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I. Introduction

Project File Number: **NC-2077-F**.

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

This Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 247 acres of land west of Anderson along the Nenana River. 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; 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 adoptions of a final FLUP pursuant to AS 38.05.035 (e) and AS 38.05.945; Anderson Spruce Timber Sale PBIF includes proposed timber sale NC-2077-F; and is available on DFFP's public webpage: <http://forestry.alaska.gov/timber/fairbanks>

☐ 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 **11/21/2025**. After public and agency review of the draft FLUP, DFFP 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-Delta Area Forester on or before **Monday, December 15th, 2025**. Address 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:

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2025 Tanana Valley State Forest Management Plan Update
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The administrative record for this sale is maintained at the Division of Forestry & Fire Protection Fairbanks Area Office filed as **NC-2077-F**. NC-2077-F is a compilation of several offerings previously mentioned in the 2024 Fairbanks Area FYSTS and Anderson West BIF as NC-1403-F and NC-1448-F.

A. Legal description

The proposed sales are located within Sections 14, 23, 26 & 35, T7S, R9W and Sections 10 T8S, R9W, F.M. See also maps in Appendix A.

B. Operational Period

NC-2077 Approximately 10 years from the “Effective Date” on the signed contract, with the option to cancel the contract after 3 years from the effective date.

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

- | |
|---|
| <ul style="list-style-type: none">• 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 |
|---|

II. Affected Land Owners/Jurisdictions

A. State

Activity on ownership:	Access Easement	Harvest	Written Representative Approval
<input type="checkbox"/> Tanana Valley State Forest	<input type="checkbox"/>	<input 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

☐ ☐ ☐

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

The sale area is composed of uneven-aged floodplain spruce stands, along the west bank of the Nenana River. Units are naturally delineated by seasonal drainage channels with a very minor component of Alaska Birch and Balsam Poplar along water features. Where natural openings in the canopy occur an alder understory is present with a regenerating cohort of white spruce.

Cruise data shows roughly 106 trees per acre, a basal area of 100 sq ft. per acre and roughly 23 CCF net per acre of spruce sawtimber. The dominant size class is between 10-16 inches DBH. Southern portions of the stand have signs of higher mortality and lower volume due to various abiotic stressors such as seasonal flooding, wind, and aufeis, especially closer to the main river channel. These abiotic stressors have resulted in pockets of dead and wind-damaged leaning spruce that have hosted minor secondary insect activity. A forest health assessment in spring of 2025 revealed that scattered spruce beetle activity is taking advantage of these stressed or dead trees, however, there were no indications of elevated spruce beetle population levels.

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-2077-F unit 1	72.2	<5% slope	Clear Cut	Ground-Based Whole tree harvest
NC-2077-F Unit 2	50.9	<5% slope	Clear Cut	Ground-Based Whole tree harvest
NC-2077-F Unit 3	124.1	<5% slope	Clear Cut	Ground-Based Whole tree harvest

C. Site Preparation

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

☒ 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-2077-F1	72.2	Natural regeneration	12 years post-harvest
NC-2077-F-2	50.9	Natural regeneration	12 years post-harvest
NC-2077-F-3	124.1	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 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 $\leq 50\%$
- ☐ Maximum percent side slopes are $> 50\%$

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

Maximum percent slopes: 5%

- ☒ 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-2077-F	Nenana River	III-A	334-40-11000-2490-3200	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

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

Notes: Large portions of the sale areas have been subject to intermittent flooding and aufeis. Seasonal surface flow has been observed within channels near the sales at times of high water or during winter aufeis events.

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.)

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
Kobe Ag Road	DNR	<ul style="list-style-type: none"> Impact: Access route for logging traffic uses 0.25 mi of public road Mitigation: Ensure public roads at the end of the contract will be left in a condition equal to or better than they were before the sale. Require project work to effect this within the contract
Rochester Way	DNR	<ul style="list-style-type: none"> Impact: Access route for logging traffic uses 3.25 mi of public road with numerous private parcels. Mitigation: Ensure public roads at the end of the contract will be left in a condition equal to, or better than they were before the sale. Require project work to effect this within the contract.
Private residences	DNR	<ul style="list-style-type: none"> Impact: Additional logging traffic on public road Mitigation: Contract terms to ensure roads are left in equal to or better conditions than before sale Mitigation: Ensure basic noise mitigation terms are included in the contract

- ☐ 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:

I. 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 seed to this unit. 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 or seedling planting may be performed on nonstocked 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: White Spruce, Alaska birch, Balsam Poplar

- ☒ Coppice

List species: Alaska Birch, Quaking Aspen

- ☐ 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 5.

Table 5. Road Construction and Use

Road ID	Segment	Harvest Unit	Mile/ Station **	Road Class	Maximum Grade %*	Constructed By	Maintained By
Kobe Ag Road	1	All	0.25 mi	Non-FRPA	<5%	DOT	Residents
Rochester Way	2	all	3.25 mi	Non-FRPA	<5%	DOT	Residents
NC-2077 Winter Road	3	all	4.0 mi	Winter	5%	Operator	Operator

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: <5%

☒ 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/ Station or Point Label	Identified Erosion Risk	Risk Level	Mitigation
Kobe Ag	1	0.25 mi	Negligible	Low	Existing road
Rochester Way	2	3.25 mi	Negligible	Low	Existing road
NC-2077 Winter Road	3	4.0 mi	Seasonal river channels	Low	If significant amounts of erodible mineral soil are exposed by 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: _____

☒ 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
Various spur roads within sale area	n/a	n/a	n/a	Ice & snow bridges	n/a	Not Catalogued	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.

Table 8. Road Closures

Road ID	Segment	Unit	Closure Type All Season/Winter	Estimated Closure Date	Projected Road Use after 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		

V. Approvals

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.

Area Forester

Date

Regional Forester

Date

APPEALS:

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. 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).

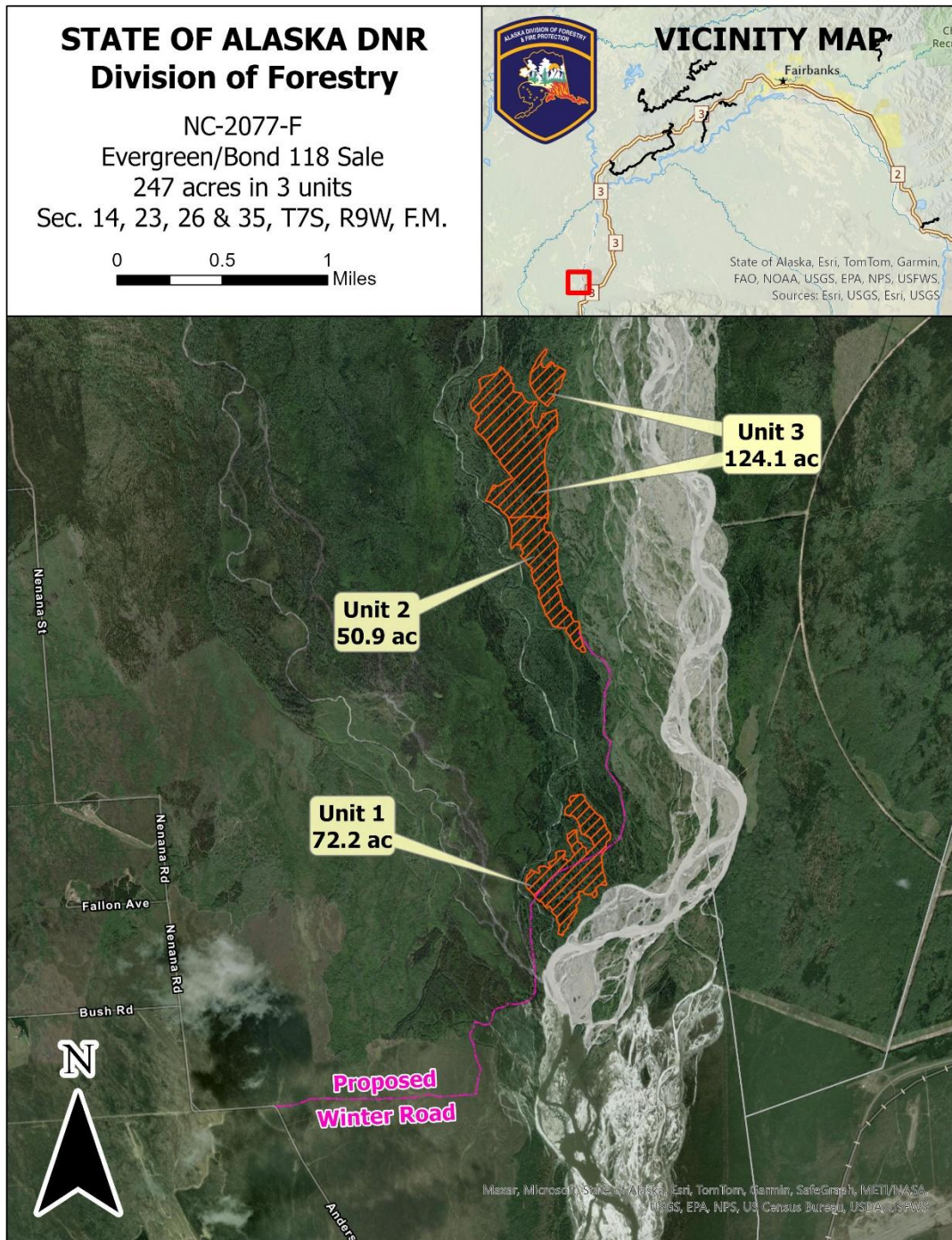
If no appeal is filed by that date, this decision goes into effect as a final order and decision on **12/15/2025**.

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 Andrew Allaby of the Fairbanks-Delta Area Office at (907)-451-2603 or e-mail andrew.allaby@alaska.gov.

VI. Appendices

Appendix A: Sale map & 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 = $100\% / 100 \times 450 = 450$

☐ 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."

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Yes No N/A Unknown

Seedbed and soil conditions suitable for natural regeneration

- | | | | | |
|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Moss layers are shallow ($\leq 4''$) or absent
<i>Majority of field observations collected during winter, but open canopy conditions and discernible understory vegetation support a conclusion that thick moss layers are not characteristic of the seedbed.</i> |
| <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 type="checkbox"/> | <input checked="" 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>*79% of the stand is within 3 tree heights of mature spruce timber
The multi-aged nature of the stand and non-continuous distribution of sawlog stems ensures there will be adequate growing stock available to provide seed and/or serve as advanced regeneration</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>*large seed crops 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. |

Yes No N/A Unknown

Competition and infestation risk

- | | | | | |
|-------------------------------------|--------------------------|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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.
<i>*The majority of field measurements occurred in the winter. The extent of Calamagrostis could not be observed.</i> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 |

(Dendroctonus or Ips) A Forest health assessment in spring of 2025 indicates minor beetle activity in wind stressed spruce and pockets of mortality, however there is no evidence of widespread beetle activity.

☒☐☐☐

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

Appendix B: Public and Agency Comments and Responses

Commenter	Comment	Response
Alaska Dept. of Fish & Game (ADFG)	No issue of concern.	Noted.
Division of Mining, Land, & Water (DMLW) Alaska Dept. of Natural Resources (DNR)	Ensure no access along existing trails is blocked by equipment or brush piles.	DFFP will ensure trail access is kept open and unblocked for the public.
	An existing water reservation issued to ADF&G (LAS 20285) protects a certain flow rate through Lost Slough and Lignite Creek to varying degrees throughout the year, specifically within Sections 11-14, 23-26, 35, & 36 of F007S009W. Ensure improvements such as ice roads don't impact this reservation.	The confluence of Lignite Creek and the Nenana River is 26 miles upstream from the proposed sale. The branching of Lost Slough from Nenana River is just downstream from the sale. DFFP will notify ADF&G of any access route construction with the potential to affect hydrology within the specified Sections.
	Support winter-only harvest to minimize impacts to local roads.	Noted.
Office of History and Archeology (OHA)	Recommend an archeological survey where all-season road construction or ground scarification is planned. Request notification where mechanical scarification is proposed.	DFFP 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.
Alaska Dept. of Environmental Conservation (DEC)	None.	Noted.